



**DRAFT BASIC ASSESSMENT & ENVIRONMENTAL MANAGEMENT
PROGRAMME REPORT**

CLIENT : AFLI EXPLORATION 1 (PTY) LTD

PREPARED BY: JOAN CONSULTING (PTY) LTD

DMR REF NO: KZN30/5/1/1/2/11361PR

DATE: MAY 2023

Cell: 073 912 0800

Tel: 011 791 5032

Fax: 086 235 5142

Email: Lufuno@joanprojects.co.za

Address: No 9 Lourie Road, Randparkriff, Randburg, Gauteng

Postal Address: P O Box 4147, Honeydew, 2040

Company registration No: 2011/142803/07





mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Client	Afli Exploration 1 (Pty) Ltd
Project name	Basic Assessment and Environmental Management Programme Report (BAR/EMPr) for a Prospecting Right application by Afli Exploration 1 (Pty) Ltd on various farms under Port Shepstone Magisterial District in KwaZulu Natal Province.
Contact person (s) details	Ian Timothy Harebottle
Contact numbers	063 586 9109
Physical Address	1st Floor, Paramount Place, 105 Main Road, Green Point, Cape Town
Postal Address	1st Floor, Paramount Place, 105 Main Road, Green Point, Cape Town

Consultant	
Contact person (s)	<p>Lufuno Mutshathama-Principal EAP (EAPASA, Pr. Nat. Sci) Lufuno@joanproject.co.za 073 912 0800</p> <p>Phindulo Mugovhani-Junior EAP (Cand. Nat. Sci) Phindulo@joanprojects.co.za 076 105 1124</p>
Tell	011 791 5032

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

IMPORTANT NOTICE

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

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

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

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

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

OBJECTIVE OF THE BASIC ASSESSMENT PROCESS

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

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

ACRONYMS

BAR	Basic Assessment Report
CBA	Critical Biodiversity Area
DEA	Department of Environmental Affairs
DMR	Department of Mineral Resources
DWS	Department of Water and Sanitation
EMP	Environmental Management Plan
EIR	Environmental Impact Report
EAP	Environmental Assessment Practitioner
EAP	Environmental Assessment Practitioner
IAPs	Interested and Affected Parties
KZNPHERA	KwaZulu Natal Provincial Heritage Resources Agency
MPRDA	Mineral and Petroleum Resources Development Act
NEMA	National Environmental Management Act
NEMBA	National Environmental Management Biodiversity Act, 10 of 2004
NWA	National Water Act, Act 36 of 1998
SAHRA	South African Heritage Resource Agency
SANBI	South African National Biodiversity Institute

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PART A: SCOPE OF ASSESSMENT AND BASIC ASSESSMENT REPORT

1. Details of the EAP

- i) Details of the person who compiled the report and the EAP who reviewed and approved the report

Table 1: EAP Details

Consultant	Joan Consulting (Pty) Ltd
Report compiled by:	Mugovhani Phindulo 076 105 1124 Phindulo@joanprojects.co.za
Report approved by:	Lufuno Mutshathama 073 912 0800 lufuno@Joanprojects.co.za
Postal address:	P O Box 4147, Honeydew,2040
Physical address:	9 Loerie Road, Randpark ridge, Randburg, 2156
Telephone:	011 791 5032
Fax:	086 235 5142

- ii) Details of Applicant

Table 2: Details of the Applicant









Item	Details
Applicant Name	Afli Exploration 1 (Pty) Ltd
Contact Person	Ian Timothy Harebottle
Cellphone	063 586 9109
Email Address	ian@sa-lithium.com
Physical Address	1st Floor, Paramount Place, 105 Main Road, Green Point, Cape Town

- iii) Qualifications and professional registrations of the EAP's

Table 3: Qualifications and professional registrations of the EAP's

Phindulo Mugovhani- BSc Mining and Environmental Geology (hons)- University of Venda, (Cand.Nat.Sci)
Lufuno Mutshathama - Bachelor of Environmental Science- University of Venda, (Reg EAP: EAPASA, Pr. Nat. Sci)

Table 4: Summary of the EAP's experience

Auditors	Expertise
<p>Phindulo Mugovhani (Junior Auditor)</p>	<p>Mugovhani Phindulo holds an Honors Degree in Mining and Environmental Geology from the University of Venda. Phindulo is an Environmental Officer at Joan Consulting (Pty) Ltd specializing in Geology, Mining and Environmental Management. Phindulo is also registered with the South African Council of Natural Scientific Professionals as a Candidate Scientist (SACNASP Reg No: 144701). He possesses over Three (3) years' experience in undertaking Environmental Audits including GNR 704 audits, Environmental Management Program (EMP) audits, Waste Management License (WML) audits and Water Use License (WUL) audits.</p>
<p>Lufuno Mutshathama- (Principal EAP)</p>	<p>Lufuno Mutshathama is a Principal Consultant at Joan Consulting (Pty) Ltd and a registered EAP with EAPASA and also a Certificated Natural Scientist registered with SACNASP- Reg: 114437. With over 13 years of experience in the field of environmental management in the mining industry and the government, her expertise includes:</p> <ul style="list-style-type: none">  Water & Waste management;  Environmental audits;  Financial provision estimations and revision;  Mine rehabilitation and Closure;  Environmental Due Diligence;  Environmental Management Programme (EMP);  Mineral licensing (Prospecting & Mining Right and Mining Permit  Stakeholder engagement.

2. Location of the overall activity

The proposed area is located approximately 107km South of Durban, 12 km North of Port Shepstone and 20km East of Hibberdene town. The site is situated within the Ray Nkonyeni local municipality under the uGu (Port Shepstone) Magisterial District in the KwaZulu-Natal province.

Table 5: Property details

Farm Names:	Remaining extent of farm Esher 9618 ET, Remaining extent of farm Sub A of Bownmouth 10851 ET, Remaining extent of farm Umbogolwane 9685 ET, Remaining Extent of farm Trankland no 2 9598 ET, Remaining extent of farm Quabi 9233 ET, Remaining extent of Qwabe 17553 ET, Remaining extent of farm Sub A of Italia 9534 ET, portion 10, 20, 30, 40, 80, 90, 120, 50, 70, 100, 60 of farm Hudson 17322 ET, Portion 20, 10, 90, 100, 50, 40, 30 and Remaining extent of farm Lot X 5715 ET, Portion 50, 10, 20, 30, 40 and Remaining extent of farm Golden gate 9231 ET, Portion 140, 100, 110, 51, 80, 90, 10 and Remaining extent of farm Endymion 16558 ET, Portion 70, 60, 90, 80, 50, 40, 30 and Remaining extent of farm Poplar vale 9102 ET, Portion 10, 80, 70, 20, 30, 60, 50, 90, 40 of farm Italia C 12423 ET, Remaining extent of Swat 16091 ET, Portion 20, 10, and Remaining extent of farm Bavaria 9546 ET, Portion 20, 70 of farm the valleys 6558 ET, Portion 10 of farm Minorca 8584 ET, Portion 30,20 and Remaining extent of Umzumbe mission station 4685 ET, Portion 20 and Remaining extent of farm Westlands 5829 ET, Portion 50 of farm Cherry Willingham Park 9323 ET, Portion 1 of farm Vineyard 7259 ET, Portion 10 and Remaining extent of farm the Wolds 7746 ET, Portion 10 of farm Lot fa 1 6752 ET, portion 70, 20, 120, 30,1 of farm West slopes 5828 ET, portion 50 of farm Cherry Willingham Park 9323 ET, Remaining extent of farm Ndelu C 17563 ET, Remaining extent of farm Watershed b 10106 ET.
Application area (Ha)	13 998 hectares
Magisterial district:	Port Shepstone

Distance and direction from nearest town	The site is located approximately 107km South of Durban and approximately 12km North of Port Shepstone.
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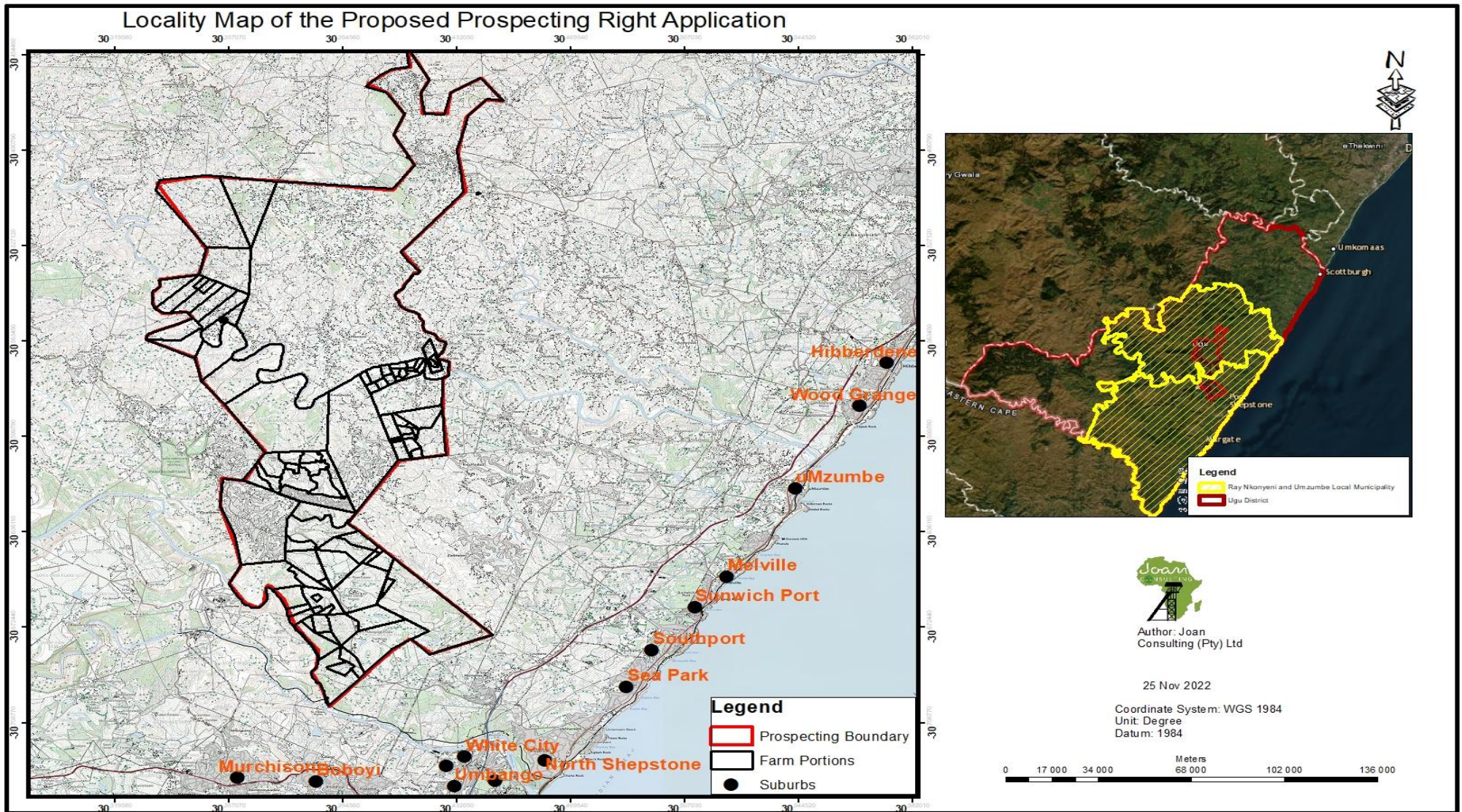


Figure 1: A map showing the proposed prospecting area.

4. Description of the scope of the proposed overall activity. (Site Plan)

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

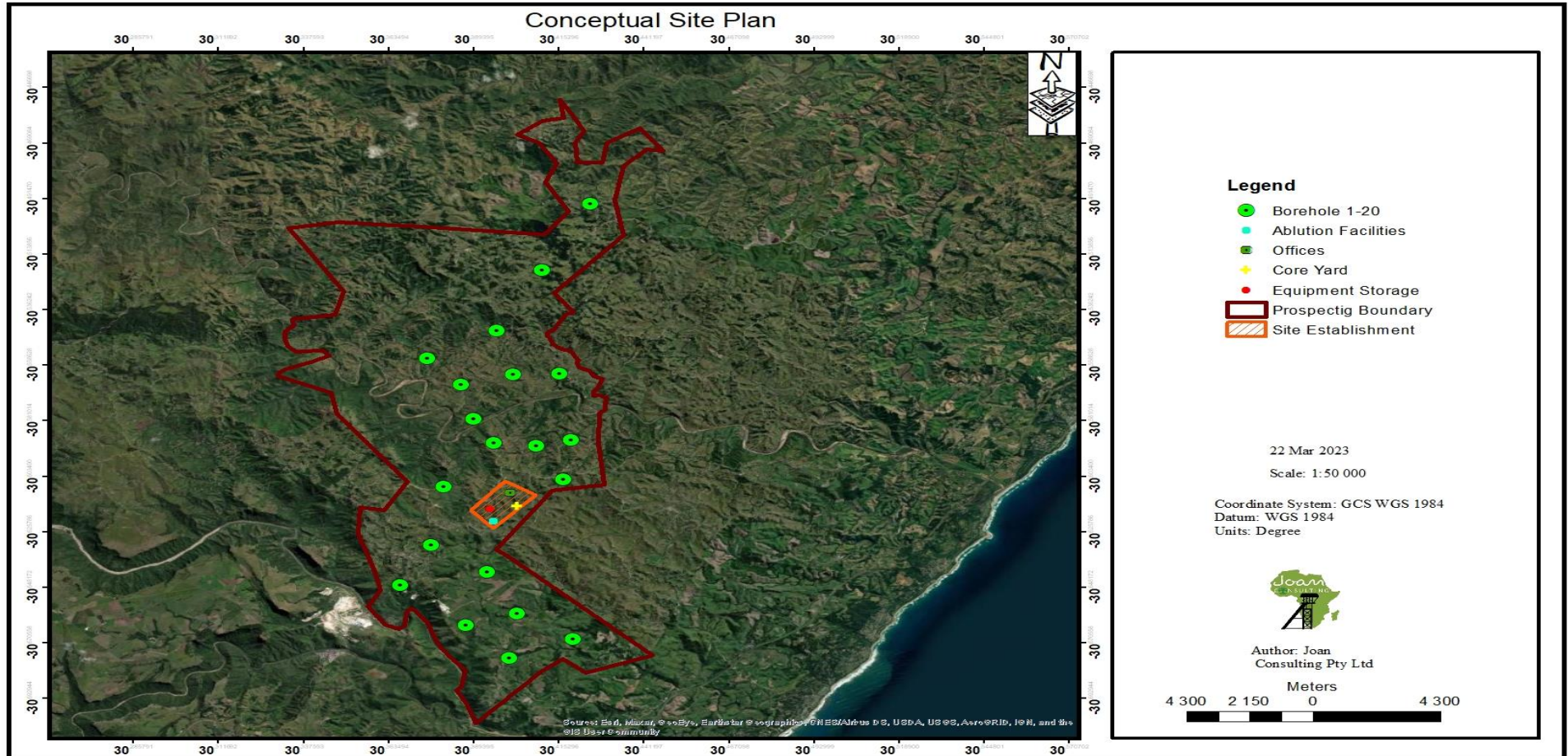


Figure 2: Conceptual Site Plan of the proposed prospecting right area.

(NB: This is not a FINAL site plan. This site plan is subject to change depending on the findings of the desktop study, geophysical study and geochemical study)

i. Listed and specified activities.

Table 6: NEMA triggered activities

NAME OF ACTIVITY E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route 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.)	Aerial extent of the Activity Ha or m ²		LISLISTED ACTIVITY Mark with an X where applicable or affected.	APPLICABLE LISTING NOTICE (GNR 544, GNR 545 or GNR 546)
Establishment of Drill Site (Drilling)	2000 m ²	0.2ha	X	Activity 20- GNR 327 of 2017
Site Establishment <ul style="list-style-type: none"> • Workshop • Storage Yard 	2000 m ²	0.2ha	X	Activity 20- GNR 327 of 2017
Access road (Existing)	-	-	-	N/A
Water Sump	16m ² x 20 boreholes	0.032ha	X	Activity 20- GNR 327 of 2017
Total Vegetation removed	4320 m ²	0.432ha	X	Activity 20- GNR 327 of 2017

ii. Description of the activities to be undertaken

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

Afli Exploration 1 (Pty) Ltd is applying for a prospecting right, triggering the basic assessment process of the EIA regulations. The mineral of interests includes:

- 1) Lithium,
- 2) Dimension stones (General),
- 3) Feldspars,
- 4) Tantalum/Niobium,
- 5) Zinc (Zn)

This prospecting process will not involve or include bulk sampling. The only process that will be employed for this prospecting application will be drilling. Twenty (20) boreholes of about 30m to 150m will be drilled to recover core log from the ground. Every drill site will comprise a borehole, drill rig, core storage and a sump.

In preparation of drilling process, a small portion of land will be cleared of vegetation for the purpose of creating a water sump which collects water from a drill rig. The collection of water in a sump is conducted to avoid any run off into the environment. A drill rig will recover a core at a depth between 30m to 150m below the earth surface, which is sampled, logged and measured for lab preparation. And all recovered cores will be taken from each 20 boreholes to the lab for further mineral assaying.

This process will continue to all 20-drill sites. Each drill site will be rehabilitated concurrently with the drilling process. All drilled holes will be closed using a cap or rocks and soil and all water sumps will be drained of water and closed off. Any compacted area will be ripped off to allow revegetation to take place.

This prospecting works is divided into 3 phases which are explained in details below;

PHASE 1

This phase will comprise of four activities. However, some of these activities may or may not be conducted depending on the outcomes/ progression of prospecting process.

Literature review:

Literature survey is a comprehensive review of published and unpublished work from secondary data sources. Re-evaluation of previously explored areas of similar nature is very important at this stage to build conceptual geological model. This review will be conducted as an expectation guide of the field.

Geological Mapping:

The area will be geologically mapped to update already existing information. All gathered information will be integrated with the existing information acquired during literature review assist with informed site planning.

Geochemical Sampling & Anomaly Screening:

The target mineralization identified during the desktop study and mapping exercise would be further defined using surveyed line/grid based traversing geochemical soil / stream sediment and grab / float sampling activities.

Geophysical Surveys:

Various methods of geophysical applications will be applied on the target areas if need be and this may include: ground magnetics, gravity and radiometric traversing on irregular grids.

PHASE 2- CONSTRUCTION AND OPERATIONAL

This phase entails the construction, operation and rehabilitation activities of the project, and they are explained in detail below;

Reconnaissance/Stratigraphical Drilling:

Phase 2 will commence with reconnaissance / stratigraphical drilling. The construction part entails the site preparation and bringing the equipment such as the drill rig and chemical toilets on site. Ten (10) reconnaissance diamond drill holes are planned at this stage. These holes will serve to establish the stratigraphy of the project area and to establish mineralized portions within the stratigraphy. The boreholes will be drilled to a depth between 30m to 150m.

The boreholes will be correlated to establish the preliminary stratigraphical column. Secondly, the boreholes will be sampled and analyzed for mineral contents and the results of the sampling will be used as a basis for the next phase of exploration drilling.

Resource Diamond Drilling:

Drilling targets for the drilling phase will be based on the results of the boreholes drilled during the reconnaissance phase coupled with the conceptual geological / structural model to be established from the geophysical studies and associated interpretation.

If economically viable reef is intersected in all the 10 boreholes drilled during reconnaissance, then a drill grid will be established as Phase 3 drilling. This follow-up exploration drilling program will be conducted as the source for gaining ground truth information of the potential ore body and to prove continuity in the third dimension in detail, addressing reef facies, structure and metallurgical parameters.

This drilling phase will define the orientation and shape of the ore body and also define the grade and tonnage and improve the geological confidence. Drill core will be logged (structure, lithology and facies), sampled and analyzed for Lithium, Feldspars, Dimension stone, Zinc, and Tantalum/Niobium.

Decommissioning and Rehabilitation

Upon completion of the drilling and logging process, the drilling equipment and all machineries will be removed from site. The drilled boreholes will be closed with a steel cap or by rocks and soil to suitable depth and a concrete cap will be placed on top with the exception of locations where boreholes will be drilled on cultivated land.

Topsoil that will be removed from drill sites will also be replaced, and all disturbed areas (including roads) will be ripped and allowed to return to the natural state. The denuded area will be re-vegetated by spreading a seed mixture that represent the local vegetation.







PHASE 3

Pre-Feasibility Study:

A multi-disciplinary pre-feasibility study will be done based on the geological model and Indicated Resource outlined in the previous phases.

The outcome of the pre-feasibility study will be a complete mine and plant design, together with a preliminary EMP for the operations. The associated infrastructure, human resourcing, and social and labor plan will have been completed to a lesser accuracy. Should this prove positive, feasibility study work will commence.

Other Activities listed on table 6 are outline below:

-  Diesel powered vehicles and machineries will be used for the proposed activities.
-  There are currently existing roads that give access to the proposed site. In areas where it's problematic or with no access at all, temporary roads will be established (through trucks moving through the bush, not bush clearing).
-  It is mandatory under the health and safety act that ablution facilities are made available where people will be undertaking any activities. Chemical toilets will be erected on site for sanitation purposes.
-  Temporary contractor's yard will be erected on site and will entail core storage, ablution facilities as well as parking areas. No workers will stay site.
-  Storage and handling of hydrocarbons which is limited to fuel (diesel) and a minimum of less than 30m³ will be stored on site for re-fuelling the machineries.
-  Water for prospecting purposes will be brought to site purchased from a registered water supplier. Portable water for contractors will be provided and will be stored on site.

2. Policy and Legislative Context

Table 7: Applicable legislation to this Application

APPLICABLE LEGISLATION AND GUIDELINES USED TO COMPILE THE REPORT (A description of the policy and legislative context within which the development is proposed including an identification of all legislation, policies, plans, guidelines, spatial tools, municipal development planning frameworks and instruments that are applicable to this activity and are to be considered in the assessment process)	REFERENCE WHERE APPLIED (i.e., Where in this document has it been explained how the development complies with and responds to the legislation and policy context)	HOW DOES THIS DEVELOPMENT COMPLY WITH AND RESPOND TO THE POLICY AND LEGISLATIVE CONTEXT? (E.g., In terms of the National Water Act: -Water Use Licence has/has not been applied for)
Minerals and Petroleum Resources Development Act (No 28 of 2002).	Prospecting Right Application	Regulations in terms of Section 107 (1) of the Act were published in Government Notice No, R 526 on the 23rd of April 2004. The regulations provide details of the procedures to be followed in applying for or renewing mining and prospecting rights and permits and for the closure of mining operations as provided and described in the Mineral and Petroleum Resources Development Act (M&PRDA). The applicant lodged a Prospecting right as per the legislation.
National Environmental Management Act, 1998 [Act 107 Of 1998], as Amended	Environmental Authorisation Application and BAR	The prospecting right application requires a Basic Assessment to be Conducted in terms of the NEMA Regulations of 2014 as amended in April 2017. The NEMA regulations identify DMR as the Competent Authority and details out the Basic Assessment process to be followed. The Environmental Authorisation

		application has been lodged and the Basic Assessment report requirement is fulfilled by this report.
Environmental Impact Assessment (EIA) Regulations, 2014	Environmental Authorisation Application and BAR	This regulation gives guidelines in terms of methodology to be followed in terms of the requirement by NEMA and the content of the report thereof. This report forms part of the Basic Assessment of the EIA being undertaken and the EA application is lodged.
National Environmental Management: Biodiversity Act 2004 (Act No. 10 of 2004)	Vegetation clearance	BGIS has been consulted when determining the baseline environmental conditions for the areas impacted by proposed surface activities.
National Environmental Management: Waste Act, 2008 (Act No.59 of 2008)	Prospecting Activities	The principles of the NEM: WA will be applied to all aspects of the activities covered by this application. This will take in account all measures for the prevention of pollution and ecological degradation and for securing ecologically sustainable development.
National Water Act, 1998 (ACT NO. 36 OF 1998)	Drilling Phase	The principles of the NWA will be applied to all physical activities implemented as part of ongoing drilling. The purpose of the National Water Act of 1998 (Act no.36 of 1998) is to ensure that the nation's water resources are protected, used, developed, conserved, managed and controlled in a manner that promotes equitability, efficiency and sustainability for present and future

		generations. To do so, the National Water Act regulates the following water uses: Water Use Authorisation and The Water Use License
National Heritage Resources Act, 1999 (Act No. 25 OF 1999)	Prospecting Activities	All activities covered by this application will avoid any identified heritage resource to prevent the destruction or unsympathetic alteration of heritage resources that have either Formal or General Protection.
The Mine Health and Safety Act, 1996 (No 26 of 1996)	Prospecting Activities	<p>The Mine Health and Safety Act, 1996 (No 26 of 1996) provides for the protection of health and safety of employees and other persons at mines and serves-</p> <ul style="list-style-type: none"> • To promote a culture of health and safety; • To provide for the enforcement of health and safety measurements; • To provide for appropriate systems for employee, employer and state participating to provide effective monitoring systems and inspections, investigations and inquiries to improve health and safety; • To promote training and human resource of development; • To regulate employers' and employees' duties to identify hazards and eliminate, control and minimise the risk to health and safety;

		<ul style="list-style-type: none"> To entrench the right to refuse to work in dangerous conditions.
South African National Biodiversity Institute (SANBI) Biodiversity GIS (bgis.sanbi.org)	Baseline environmental description	Used during desktop research to identify sensitive environments within the right area.
Conservation of Agricultural Resources Act 1983(Act No. 43 of 1983)	Prospecting Activities	<p>The Act provides for control over the utilisation of the natural agricultural resources of the Republic in order to promote the conservation of the soil, the water sources and the vegetation and the combating of weeds and invade plants; and for matters connected therewith.</p> <p>All invader species classified in terms of the Conservation of Agricultural Resources Act 1983 (Act 43 of 1983) within the road reserve should be identified and eradicated in an ecologically sensitive manner during the construction phase</p>

3. Need and desirability of the proposed activities.

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

In order to determine the presence, nature, location and extent of the proposed minerals within the prospecting area, it is necessary that prospecting be undertaken. Prospecting will also determine if whether any geological features exist on site which have any detrimental impact on the economic extraction of interested minerals. As such, a prospecting right is required to allow Afli Exploration 1 (Pty) Ltd to survey or investigate the area for the purpose of identifying an actual or probable mineral deposit.

Obtained data from the prospecting activities will be necessary to determine how and where the minerals will be extracted and how much economically viable mineral reserves are available within the proposed prospecting area. Should the proposed minerals be found in the project area, available reserves will be used to extend to the life of mine, which will in turn contributes to the socio-economic development through job creation and local business expansion.

Given the nature of the proposed drilling project, all impacts identified and discussed below, will be limited to the footprint of the drill sites, in this regard, boreholes will be planned away from homesteads/ villages so that people's health and well-being will not be impacted and all mitigation measures proposed in the EMPr will be adhered to.

4. Motivation for the overall preferred site, activities and technology alternative.

The site has been selected based on its underlying geology and the presence of certain geological evidence which suggest that the area might be rich in minerals of interest. Therefore, no alternative site or locations were assessed as the preliminary drill hole areas are based on the expected mineral resources located within that area, however, alternative sites may be determined once the desktop studies and geophysical surveys have been completed and the exact position and number of target drill sites are confirmed.

5. Full description of the process followed to reach the proposed preferred alternatives within the site.

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

6.1.1 Details of the development footprint alternatives considered.

The location of the activity, the type of the activity, the design or layout plan and operational aspects of the activity were all determined by the type of the mineral, availability and positioning.

(i) The property on which or location where it is proposed to undertake the activity;

The application area is being guided by the presence of higher potential underlying ore body as well as the geology of the area, thus not any location or property is suitable for the proposed activity. The proposed property is situated approximately 15 km away from Port Shepstone.

(ii) The type of activity to be undertaken;

A phased approach of prospecting has been chosen as the preferred method in order to avoid unnecessary environmental impacts as well as unnecessary costs. This prospecting process will not involve or include bulk sampling. The only method that will be employed for this prospecting application will be drilling. Initially 10 boreholes will be drilled to recover core log from the ground followed by infill drilling of 10 more boreholes.

(iii) The design or layout of the activity;

Since exploration is temporary in nature, no permanent structures will be constructed and or erected on site. Negotiations and agreements will be made with the farm owners to use any existing infrastructures; therefore, design layout alternative was not assessed and not deemed necessary.

(iv) The technology to be used in the activity;

The preferred technology used for prospecting activities is drilling method. This prospecting method is also considered to have a low environmental impact if managed correctly, therefore, no technology alternatives were considered.

(v) **The operational aspects of the activity:**

The operational aspect of the activity alternative was assessed, but no alternatives for the roads, mineral and design were considered.

(vi) **The option of not implementing the activity.**

The option of not undertaking prospecting activities on the project site assumes the site remains in its current state, therefore the option of not implementing would result in no impacts on the social and biophysical environment. However, the option of not implementing the activity will result in a loss of valuable information regarding the minerals status present on the affected properties. In addition to this, should economical reserves be present and the applicant does not have the opportunity to prospect, the opportunity to utilise the reserves will be lost.

6.1.2 Details of the Public Participation Process Followed

(Describe the process undertaken to consult interested and affected parties including public meetings and one on one consultation. NB the affected parties must be specifically consulted regardless of whether they attended public meetings. (Information to be provided to affected parties must include sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land).

- **Objectives of public participation Process**

- Provide I&APs with sufficient and accessible information to assist them to raise comments and make recommendations which are included in the EIA process.
- Provides I&APs with the opportunity of suggesting ways of reducing or mitigating negative impacts of an activity and for enhancing positive impacts;
- Provides I&APs with the opportunity of suggesting ways of reducing or mitigating negative impacts of an activity and for enhancing positive impacts;
- Provides I&APs with the opportunity of suggesting ways of reducing or mitigating negative impacts of an activity and for enhancing positive impacts.

The following steps has been undertaken to satisfy the public consultation process:

- **Identification of Interested and affected parties**

A stakeholders database which includes, amongst others; landowner's details, community members, state departments and other stakeholders has already been compiled.

- **Notification and register of Interested and affected parties**

As part of notification process, all farm owners have been contacted about the project and registered interested and affected parties (I&Aps) were notified via site notices, newspaper advert, emails and a BID. A draft BAR is sent to all registered and interested parties.

- **Availability of BID and Draft Basic Assessment Report**

Basic Assessment Report is sent to all registered interested and affected parties for a period of 30 days. This is accompanied by a background information document which summarize the application process as well the impacts associated with the proposed project.

- **Public Meeting**

A public participation meeting will be held with the all the community members, interested and affected parties and stakeholders.

6.1.3 Summary of issues raised by I&APs

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

Table 8: Summary of issues raised by I&Aps.

Interested and Affected Parties List the names of persons consulted in this column, and Mark with an X where those who must be consulted were in fact consulted.	Date comments received	Issues raised	EAPs response to issues as mandated by the applicant	Section and paragraph reference in this report where the issues and or response were incorporated.
NPC-Intercement (Pty) Ltd	27 March 2023	Intercement requested the following documents from the EAP; <ul style="list-style-type: none"> • Details of the shareholding in each application 	A CK document was sent to them together with the response letter.	See Appendix B7 and B8
		<ul style="list-style-type: none"> • An outline of the applications long-term objectives in relation to the prospecting and or potential future mining in the area 	The EAP responded by saying that the main objective is to prospect for Lithium, Dimension stone, Feldspars, Tantalum/Niobium and Zinc (Zn). If the results of	

			prospecting process are positive then the client intend to apply for a Mining Right for the above-mentioned minerals.	
		<ul style="list-style-type: none"> • Prospecting Works Programme (PWP) 	A PWP was sent to them in response to this.	
		<ul style="list-style-type: none"> • A copy of the Regulation 2(2) diagrams depicting the proposed prospecting areas 	A Regulation 2 (2) plan was sent to them	
		<ul style="list-style-type: none"> • Copies of the Basic Assessment reports or environmental Impact assessment reports prepared for the applications as well as copies of: 	The Draft Basic Assessment has been sent to Intercement (Pty) Ltd	
		<ul style="list-style-type: none"> • A copy of the written confirmation from the Regional Manager 	The application acceptance letter from the DMRE was sent to them	

		<p>accepting each application</p> <ul style="list-style-type: none"> • A copy of the applications for environmental authorisations in respect of each application together with proof of submission to the competent authority; 	<p>An Environmental Authorisation form was sent to them in response to this</p>	
<p>Laurence Stevens (Rossmine Mine)</p>	<p>26 May 2023</p>	<ul style="list-style-type: none"> • Mr Stevens from Rossmine Mine is objecting to the project since the application area covers some of the farms under their Mining right for the exact same minerals. 	<p>Consultation will be made with the DMRE to remove dimension stone from the minerals to be applied for at the farms under Rossmine mining right area.</p>	<p>See Appendix B10</p>

6.1.4 The Environmental attributes associated with the alternatives.

(The environmental attributed described must include socio-economic, social, heritage, cultural, geographical, physical and biological aspects)

(1) Baseline Environment

(a) Type of environment affected by the proposed activity.

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

This section is intended to provide environmental information which is interlinked with the proposed site. It will identify all environmental aspects within the site that will need special consideration during all the phases of the projects with the intent to minimize impacts.

Climate

➤ Temperature

The warm season lasts for 2.6 months, from January 9 to March 28, with an average daily high temperature above 78°F (26°). The hottest month of the year in Port Shepstone is February, with an average high of 80°F (27°) and low of 71°F (22°). The cool season lasts for 4.5 months, from June 5 to October 19, with an average daily high temperature below 73°F (23°). The coldest month of the year in Port Shepstone is July, with an average low of 60°F (16) and high of 71°F (22°).

➤ Rainfall

A wet day is one with at least 0.04 inches (1016mm) of liquid or liquid-equivalent precipitation. The chance of wet days in Port Shepstone varies significantly throughout the year. The wetter season lasts 6.0 months, from September 30 to March 31, with a greater than 32% chance of a given day being a wet day. The month with the most wet days in Port Shepstone is December, with an average of 17.1 days with at least 0.04 inches (1016MM) of precipitation. The drier season lasts 6.0 months, from March 31 to September 30.

The month with the fewest wet days in Port Shepstone is June, with an average of 2.6 days with at least 0.04 (1016MM) inches of precipitation. Among wet days, we distinguish between those that experience rain alone, snow alone, or a mixture of the two. The month with the most days of rain alone in Port Shepstone is December, with an average of 17.1 days. Based on this categorization, the most common form of precipitation throughout the year is rain alone, with a peak probability of 57% on December 11.

Air quality

The main sources of air pollution in the site area are dust emanating from gravel roads within the communities, as well as burning of litter within the households and fumes from motor vehicles moving around.

Topography

The KwaZulu-Natal province is well-known and characterized by its undulating topography. The municipality being a coastal strip, the topography generally falls towards the coast and is segmented by many water courses (streams/rivers) resulting in numerous hills and valleys as well as very flat areas along the coast.

The agricultural pattern within the area is primarily due to the undulating topography, which prescribes the available land parcels out of the valley lines and along other major structuring elements.

Land Capability

According to IDP, the municipality is generally characterized by good potential agricultural land that needs to be preserved for food production. There is mixed agricultural practice with more commercial farming along the coastal belt.

Commercial farming is dominated by sugar cane farms and banana plantations along the coastal strip. Sugarcane and bananas are grown at a large scale while cattle rearing, macadamia nuts and vegetable are grown in gardens and small holdings. Subsistence farming (maize growing, amadumbe, beans and sweet potatoes) is practiced mainly in the hinterland where families grow for consumption.

There is a notable growth in small-scale sugarcane farming in the interior, practiced mainly by emerging Black farmers. Seasonal rains, steep topography, poor infrastructure and lack of new scientific methods of ploughing are some of the challenges these farmers experience.

Biodiversity (Fauna and Flora)

KwaZulu-Natal Coastal Belt Grassland (KZN Veg. Type 29, SANBI - CB3) consists of a long and broad coastal strip along the KwaZulu-Natal coast from Mthunzini in the North to just short of Port Edward in the south. The altitude ranges from about 20 to 450 m. It consists of

highly dissected undulating planes which are thought to have been covered to a great extent with subtropical coastal forest. The KwaZulu-Natal coastal belt is heavily transformed by sugar cane, timber plantations and coastal resorts with interspersed secondary *Aristida* grasslands, thickets and patches of coastal Thornveld.

KwaZulu-Natal Coastal Belt Thornveld (KZN Veg Type 41, SANBI - CB6) is found on the coastal strip along the KwaZulu-Natal coast from near Mandini in the north to Oribi Gorge in the south. The altitude ranges from 30-500 m. It is found on steep valley sides and a hilly landscape, mainly associated with drier larger river valleys in the rain shadow of the rain bearing frontal weather systems from the east coast. It consists of bushed grassland, bushland and bushland thicket and open woodland.

Surface water

This component of the municipality's natural environment is addressed in accordance with the catchments of the many rivers and streams that drain the area. There are either seven big surface water systems that occur in part or within the area, with the former being the more common case. There are also a handful of smaller systems that are completely confined within the municipality.

The study area is characterized by wetlands that we observed when doing the site visit and the Umzumbe River, Umdoni river and Kwa-Malukaka River which flows past the site of interest.

The hydrology map is attached on the figure overleaf.

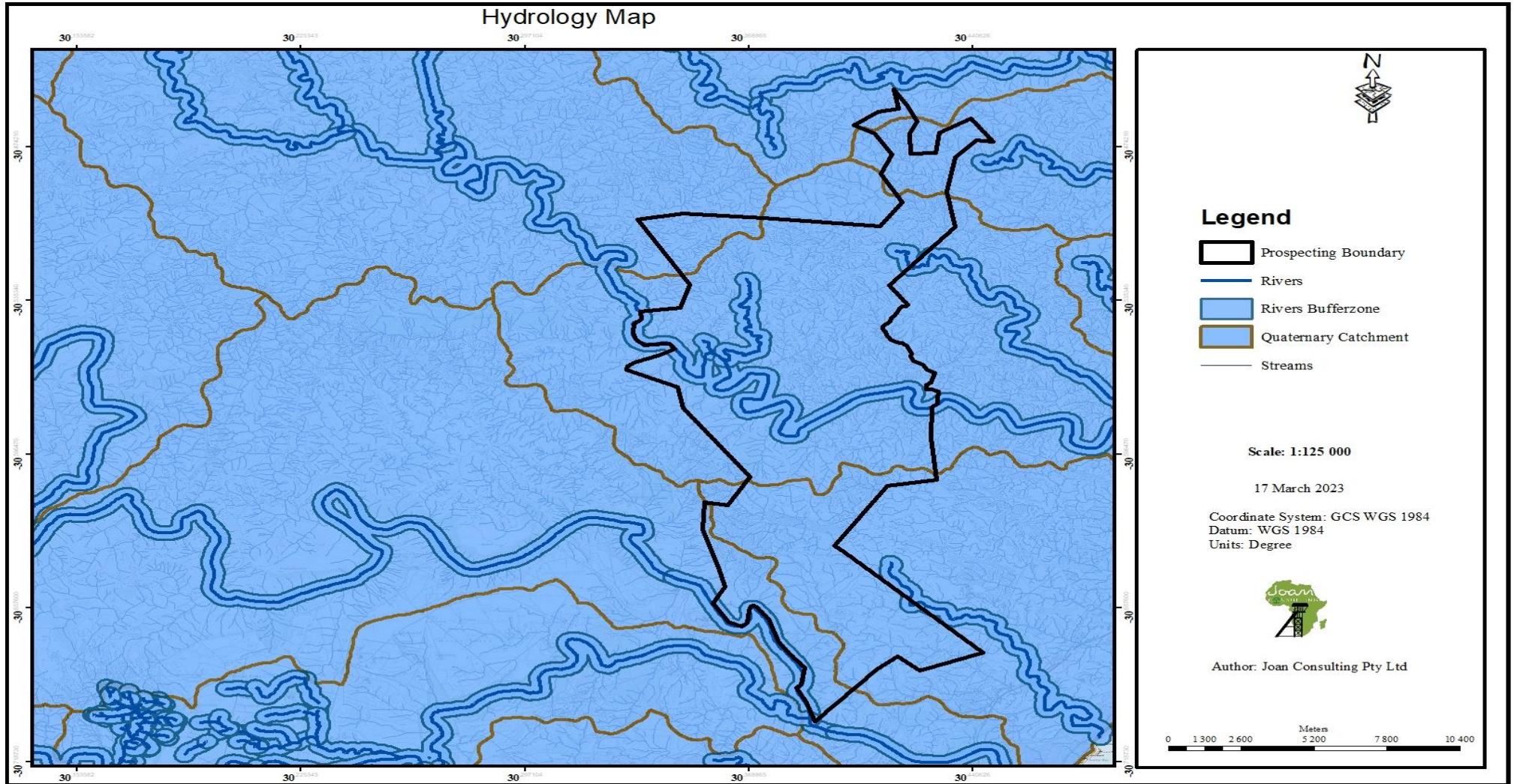


Figure 3: Hydrology Map of the proposed prospecting area.

Heritage Resources

Desktop studies revealed that the general project area is rich in Late Iron Age (LIA) and historical sites. It should be noted that while heritage resources may have been located in the entire study area, subsequent developments such as sugar cane production, residential developments, powerlines, road and boundary fence lines have either obliterated these materials or reduced them to isolated finds that can only be identifiable as chance finds at the site.

Flora

The study area consists of cultivated area, natural area as well as settlements and vegetation associated with watercourses. Dominant transformation agents primarily include cultivation and infrastructure development (agricultural holdings). The cultivated or disturbed section of the site is dominated by *Saccharum officinarum* (Sugarcane), with species such as *Lantana camara*, *Datura stramonium*, *Xanthium strumarium*, *Senna didymobotrya*, *Tagetes minuta*, *Amaranthus hybridus* recorded on the verges of the cultivated area.

Natural vegetation still exists more on the top of mountains where cultivation did not take place. Species recorded include *Eucalyptus globulus*, *Acacia mearnsii*, *Agave sisalana*, *Strelitzia Nicolai*, *Gymnosporia senegalensis*, *Psidium guava*, *Rubus cuneifolius*, *Tecoma capensis*, *Listea glutinosa*, *Lantana camara*, *Solanum linnaeanum*, *Solanum seaforthianum*, *Caesalpinia decapetala*, *Berkheya bipinnatifida*, *Bridelia micrantha*, *Helichrysum panduratum*, *Celtis africana*, *Hypoestes aristata*, *Indigofera micrantha*, *Protea dracomontana*, *Erythrina lysistemon*, *Acacia mearnsii* with grasses such as *Alloteropsis semialata*, *Aristida junciformis*, *Cymbopogon caesius*, *Cymbopogon nardus*, *Digitaria eriantha*, *Eragrostis curvula*, *Eulalia villosa*, *Hyparrhenia filipendula*, *Melinis repens*, *Panicum maximum* and *Themeda triandra*.

The vegetation along the watercourses had some scattered indigenous species comprising the riparian vegetation, including: *Syzigium cordatum*, *Cussonia spicata*, *Ficus sur*, *Setaria sphacelata*, *Ipomea purpurea*, *Phragmites australis*, *Aristida junciformis* and *Miscanthus junceus*. Marginal vegetation within the active channel was limited to a few indigenous grass, sedge and reed species, the dominant ones being *Aristida junciformis*, *Phragmites australis*, *Cyperus latifolius*, *Lantana camara*, *Ricinus communis*, *Melia azedarachm*, *Rubus cuneifolius* and *Miscanthus junceus*.

Fauna

A number of mammal species is known to occur within the larger area which includes the project area. These species are recorded in the table below including their probability of occurrence in the natural wild. Lists of potential mammal species in the area was compiled from a desktop survey from Virtual Museum of African Mammals (http://vmus.adu.org.za/vm_view_db.php). Some of the mammal species includes; Epauletted Fruit Bats, Vervet Monkey, Banded Mongoose, Bushbuck and Bush Duiker.

The site is also known to be the habitat of some of the reptiles that are common in the KZN area. Some of the reptiles that the site harbours include; Large-scaled Grass Lizard, Common Variable Skink, Red-lipped Snake, Common Flap-neck Chameleon, Black-headed Centipede-eater, Pondo Flat Gecko and Southern Tree Agama.

Geology

The licence area is covers rocks belonging to the Mzumbe Terrane and rocks from the Natal and Karoo Supergroups.

Margate Terrain

Margate Terrane is a granulite facies terrane that extends south from the Melville Thrust and disappears under the younger Phanerozoic cover rocks in southern KwaZulu-Natal. The terrane comprises subordinate slivers of granulite facies supracrustal known as the uMzimkhulu Group which includes:

- Marbles, quartzites and thin amphibolite's of the Marble Delta Formation;
- Semipelite paragneiss's, metapelite gneiss and calc-silicate rocks of the Leisure Bay Formation; and
- Two-pyroxene mafic granulite and calc-silicate rocks of the Mucklebraes Formation. A small klippe of this formation which occurs to the north of the Melville thrust, within the Mzumbe Terrane, is host to the Highbury Pegmatite.

Mzumbe Terrane

A complex association of pre-tectonic layered, medium to coarse grained grey gneissic tonalites, quartz diorites, trondhjemite and granodiorites that have undergone polyphase deformation, metamorphism and anatexis. The suite also includes several syntectonic intrusive suites listed below:

- Mahlongwa Suite-Porphyrific granite sheets
- Humberdale Granite- Biotite granite
- Mzimlilo Suite - Biotite granite
- Mkomazi Suite Garnet-biotite augen gneiss

Natal Group

The Natal Group consists of two formations, each representing a tectonic cycle - a lower Durban Formation and an upper Mariannhill Formation. The former is subdivided into the Ulundi, Eshowe, Kranskloof, Situndu, Melmoth, and Dassenhoek Members, and the latter into the Tulini, Newspaper, and Westville Members. The sedimentary rocks comprising these units are greyish red, and consist of conglomerates, sandstones, siltstones, and shale.

Karoo Supergroup

The Karoo Supergroup is stratigraphically divided into five main groups, namely, Dwyka, Ecca, Beaufort, Stormberg, and Drakensberg groups, respectively. The stratigraphy of the main Karoo Basin is complex and this complexity is related to its mode of origin and varied depositional environments such as deep-marine mudstone, shallow marine turbidite, and submarine fan deposit.

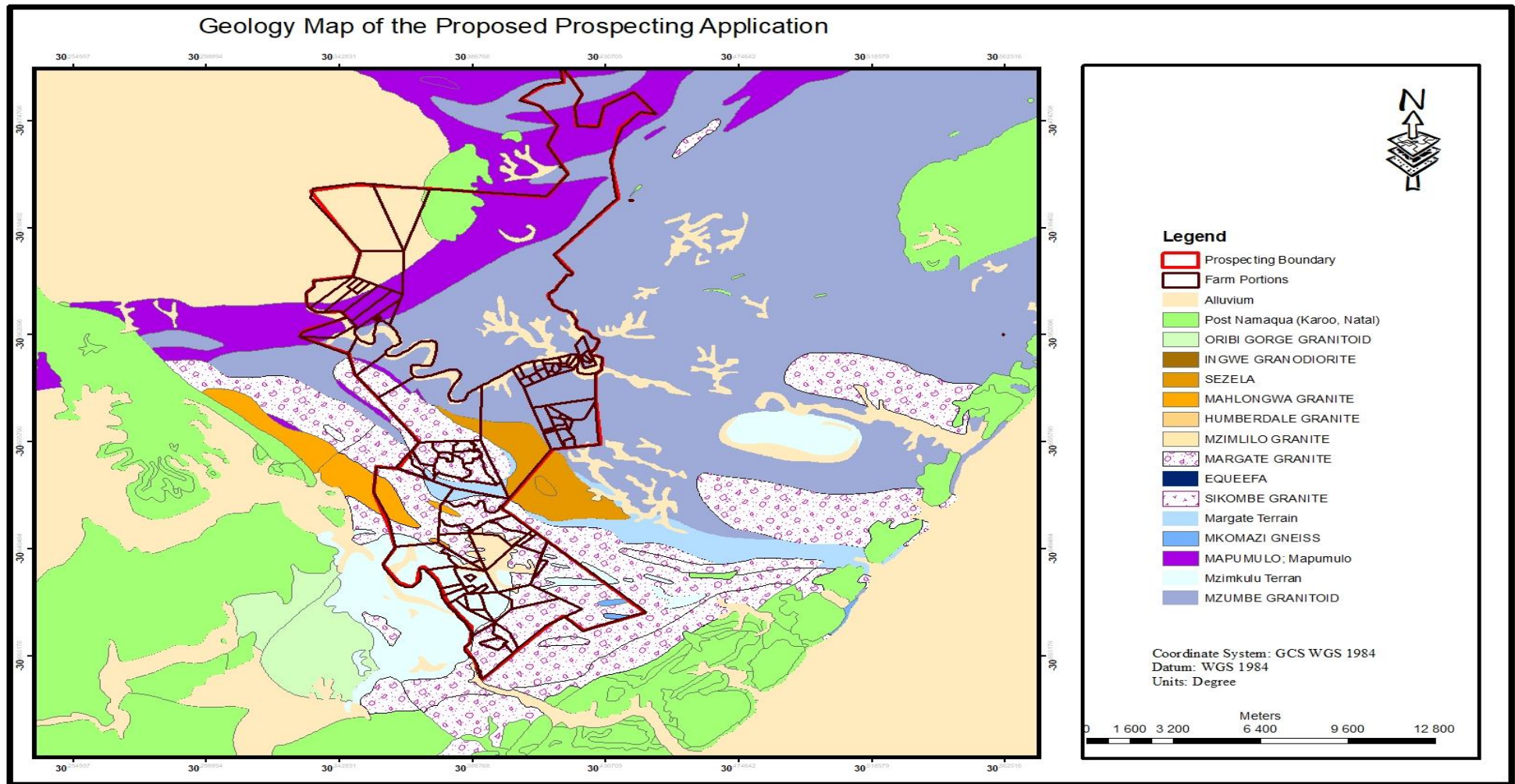


Figure 4: Geology Map of the proposed prospecting area.

Population

Ray Nkonyeni Municipality covers an area of 1 488.5 square kilometres with diverse population of approximately population of 348 534 people with 86% of such people being black followed by Whites (11%), followed by the Coloured population and lastly the Indian population, see graph below as indicated in the figure below. Female gender is dominant in the municipality consisting of 52%.

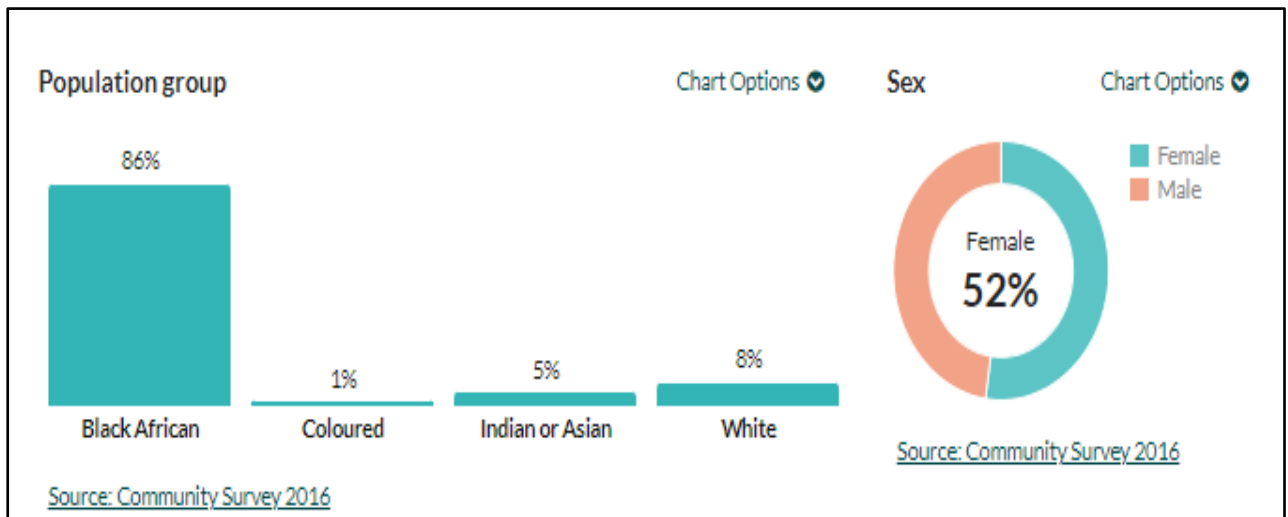


Figure 5: Population diversity under Ray Nkonyeni Local Municipality.

(b) Description of the current land uses

Information acquired from Google Earth satellite image as well as during a site-visit undertaken, the land use associated with the prospecting area is agriculture (sugar cane farming, Macadamia, eggs farming), Residential areas, Recreational areas (game reserves, shooting range), Schools, colleges, and livestock farming.

Table 9: Land use in the area

Land Use	Percentage
Agriculture	50%
Livestock Farming	15%
Residential areas	25%
Education facilities	5%
other	5%

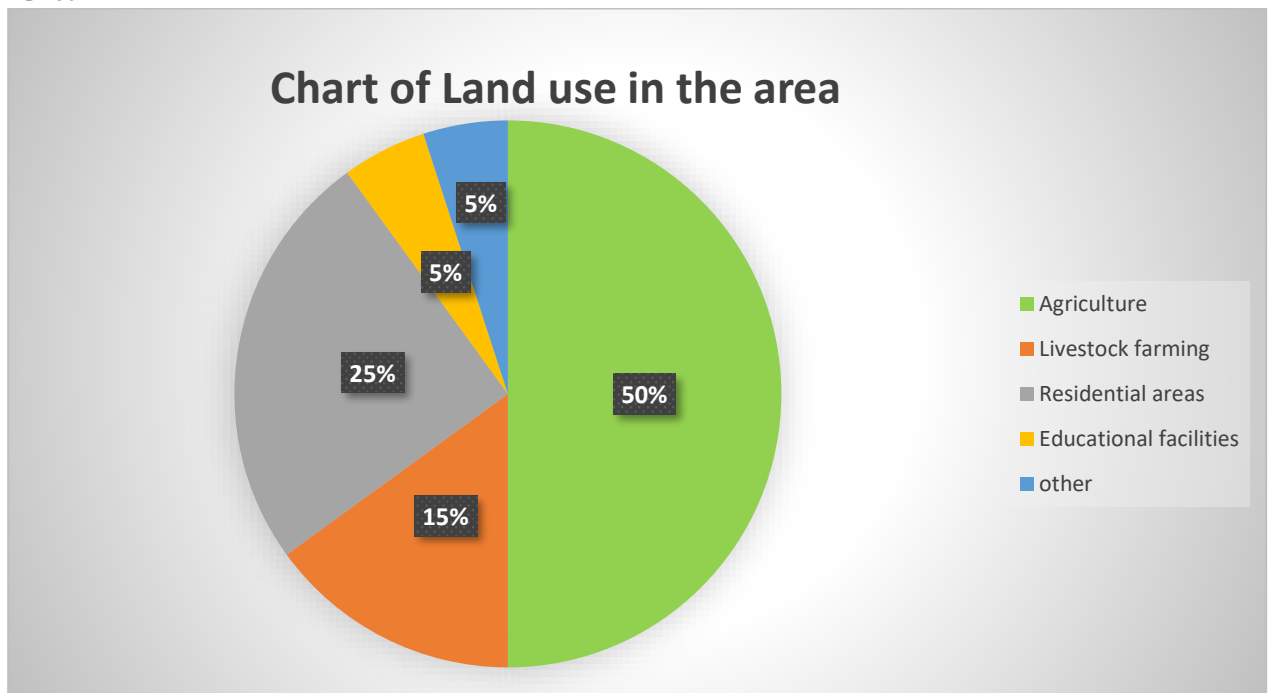


Figure 6: Percentage of each activity in the area

(c) Description of specific environmental features and infrastructure on the site

Specific environmental features and / or infrastructure occur on site or within close proximity include:

- Quarry mines
- Electricity powerlines
- Telephone tower
- Agricultural activities and associated infrastructures
- Education facilities
- Natural forest
- Recreational facilities (Game reserve, shooting range)



Figure 7: Rossmine mine within the study area



Figure 8: Livestock farming business within the site.



Figure 9: Residential areas within the study area



Figure 11: Macadamia farming within the study area



Figure 10: Commercial eggs farming within the study area



Figure 12: sugar farming within the study area.

(d) land use map.

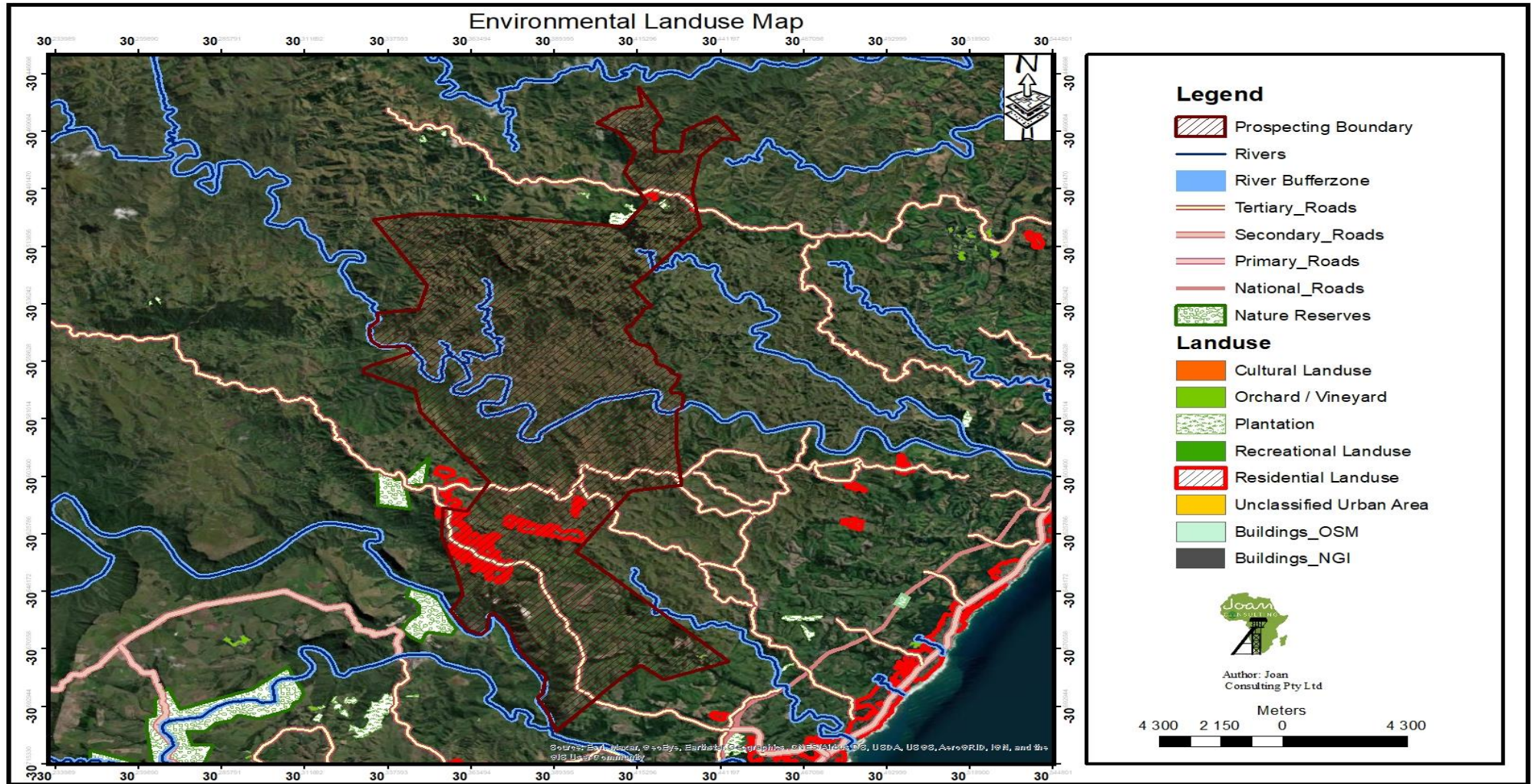


Figure 13: Land use Map of the proposed prospecting right.

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

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

This section provides the detailed methodology used for the assessment of the significance of potential environmental impacts in the study. This methodology allows for the identified potential impacts to be analysed in a systematic manner, with significance rating (from insignificant to very high) assigned to each potential impact. The significance of an impact is defined as a combination of the consequence of the impact occurring and the probability that the impact will occur. The criteria used to determine impact consequence include extent, intensity and duration of the impact and are presented below.

Table 10: Methodology used in Determining and Ranking the Nature, Significance, Consequences, Extent, Duration and Probability of Potential Environmental Impacts and Risks.

Nature of the Impact (N)		
Positive	+ (ve)	Impact will be beneficial to the environment (a benefit).
Negative	- (ve)	Impact will not be beneficial to the environment (a cost).
Neutral	0	Where a negative impact is offset by a positive impact, or mitigation measures, to have no overall effect.
Magnitude (M)		
Minor	2	Negligible effects on biophysical or social functions/processes. Includes areas/environmental aspects which have already been altered significantly, and have little to no conservation importance (negligible sensitivity*).
Low	4	Minimal effects on biophysical or social functions/processes. Includes areas/environmental aspects which have been largely modified, and/or have a low conservation importance (low sensitivity*).
Moderate	6	Notable effects on biophysical or social functions/processes. Includes areas/environmental aspects which have already been moderately modified, and have a medium conservation importance (medium sensitivity*).
High	8	Considerable effects on biophysical or social functions/processes. Includes areas/environmental aspects which have been slightly modified and have a high conservation importance (high sensitivity*).

Very high	10	Severe effects on biophysical or social functions/processes. Includes areas/environmental aspects which have not previously been impacted upon and are pristine, thus of very high conservation importance (very high sensitivity).
Extent (E)		
Site only	1	Effect limited to the site and its immediate surroundings.
Local	2	Effect limited to within 3 - 5 km of the site.
Regional	3	Activity will have an impact on a regional scale.
National	4	Activity will have an impact on a national scale.
International	5	Activity will have an impact on an international scale.
Duration (D)		
Immediate	1	Effect occurs periodically throughout the life of the activity.
Short term	2	Effect lasts for a period 0 to 5 years.
Medium term	3	Effect continues for a period between 5 and 15 years.
Long term	4	Effect will cease after the operational life of the activity either because of natural process or by human intervention.
Permanent	5	Where mitigation either by natural process or by human intervention will not occur in such a way or in such a time span that the impact can be considered transient.
Probability of Occurrence (P)		
Improbable	1	Less than 30% chance of occurrence.
Low	2	Between 30 and 50% chance of occurrence.
Medium	3	Between 50 and 70% chance of occurrence.
High	4	Greater than 70% chance of occurrence.
Definite	5	Will occur, or where applicable has occurred, regardless or in spite of any mitigation measures.

Once the impact criteria have been ranked for each impact, the significance of the impacts will be calculated using the following formula:

$$\text{Significance Points (SP)} = (\text{Magnitude} + \text{Extent} + \text{Duration}) \times \text{Probability}$$

The significance of the ecological impact is therefore calculated by multiplying the severity rating with the probability rating. The maximum value that can be reached through this impact

evaluation process is 100 SP (Points). The significance for each impact is rated as High (SP ≥ 60), Medium (SP = 31 - 60) and Low (SP < 30) significance as shown in the below.

Table 11: Significance rating of positive and negative impacts.

Significance of Predicted NEGATIVE Impacts		
Low	0 - 30	Where the impact will have a relatively small effect on the environment and will require minimum or no mitigation and as such have a limited influence on the decision.
Medium	31 - 60	Where the impact can have an influence on the environment and should be mitigated and as such could have an influence on the decision unless it is mitigated.
High	61 - 100	Where the impact will definitely have an influence on the environment and must be mitigated, where possible. This impact will influence the decision regardless of any possible mitigation.
Significance of Predicted POSITIVE Impacts		
Low	0 - 30	Where the impact will have a relatively small positive effect on the environment.
Medium	31 - 60	Where the positive impact will counteract an existing negative impact and result in an overall neutral effect on the environment.
High	61 - 100	Where the positive impact will improve the environment relative to baseline conditions.

6.1.6 Impacts and risks identified including the nature, significance consequence, extent, duration and probability of the impacts, including the degree of these impacts.

Table 12: Summary of potential impacts and mitigation measures

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Construction Phase														
Prospecting Works	Disputes and disagreements between land owners and the applicant	Social Aspect	(-ve)	6	1	1	3	24	<ul style="list-style-type: none"> The applicant's legal team must draft a land user agreement which must be agreed upon by the landowners and the applicant, and it must include all site-specific condition such as: <ul style="list-style-type: none"> Operational hours, Access to the farms 	2	1	1	4	16

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> And others issues added by the landowner 					
Clearing of vegetation and movement of vehicles for site establishment	Generation of Dust	Air quality	- (ve)	6	2	4	5	60	<ul style="list-style-type: none"> The vehicles speed limit must be kept at 30km/h or less Footprint earmarked for vegetation removal must be clearly marked 	2	1	2	5	25
Clearing of vegetation for prospecting purposes and movement of vehicles for site	<ul style="list-style-type: none"> Removal of the natural vegetation Destruction of protected plant species 	flora	(-ve)	4	4	1	5	45	<ul style="list-style-type: none"> Due to the sensitivity of the areas, it is advised that areas designated for vegetation clearing should be identified and visibly marked off and 	2	1	2	5	25

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
establishment	<ul style="list-style-type: none"> Establishment and spread of declared weeds 								<p>also approved as part of final drilling map</p> <ul style="list-style-type: none"> Supervision by an ecologist to ensure success of the rescue operation Use already available farm roads to avoid trampling red listed plant species An alien invasive management programme should be developed and implemented in order to control alien invasive species 					

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> The best mitigation measure for alien and invasive species is the early detection and eradication of these species which will be ensured with the use of a monitoring programme 					
Clearing of vegetation and movement of vehicles for site establishment	Increased noise levels from movement of vehicles	Noise	- (ve)	2	2	1	5	25	<ul style="list-style-type: none"> Trucks, machinery, and equipment must be regularly serviced to reduce noise levels Work must be conducted between 8am to 4pm in winter and 8am to 5pm in summer to minimise 	4	1	1	2	16

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									disruption of neighbours and animal life by noise.					
Clearing of vegetation and movement of vehicles for site establishment.	Destruction of archaeological remains	Cultural Heritage	- (ve)	6	1	4	5	55	<ul style="list-style-type: none"> Public monuments and any archaeological importance site must be mapped and documented Section where scatters of potsherds were recorded must be avoided where possible An archaeologist must be appointed to monitor during prospecting 	6	2	4	3	36
Clearing of vegetation and movement of vehicles	Disturbance of graves	Cultural heritage	(-ve)	6	5	4	4	60	<ul style="list-style-type: none"> Burial sites must be plotted, clearly marked and must be protected/barricaded to avoid accidental damage 	6	2	4	3	36

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
for site establishment.									<p>during prospecting activities</p> <ul style="list-style-type: none"> • Custodians must be involved in any mitigation work to their family burial sites. • Should and graves or archaeological artifacts are discovery on site, work should cease immediately until a heritage specialist gives a go ahead. 					
Clearing of vegetation and movement of vehicles for site	<ul style="list-style-type: none"> • Disruption and destruction of animal life 	Fauna	-(ve)	6	1	2	2	18	<ul style="list-style-type: none"> • Do not disturb nests, breeding sites or young ones. • Do not attempt to kill or capture snakes unless 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
establishment	<ul style="list-style-type: none"> Disturbance to animals on site 								<p>directly threatening the safety of employees.</p> <ul style="list-style-type: none"> Severe contractual fines must be imposed and immediate dismissal on any contract employee who is found attempting to snare or otherwise harms remaining faunal species A low-speed limit of 30km/h must be enforced on site to reduce wild animal-vehicle collisions. No wild animal may under any circumstance be hunted, snared, captured, injured or killed. 					

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> Remove and dispose of any snares or traps found on or adjacent to the site. 					
Clearing of vegetation and movement of vehicles for site establishment	Loss of fertile topsoil	Soil, Land Use and Land Capability	-(ve)	8	2	3	3	39	<ul style="list-style-type: none"> The construction footprint should be kept as small as possible Keep as much original land cover as possible Stripped soils should be stockpiled surrounding the disturbed area 	4	1	1	2	12
Clearing of vegetation and movement of vehicles for site establishment	Soil Compaction	Soil, Land Use and Land Capability	-(ve)	8	2	3	3	39	<ul style="list-style-type: none"> Avoid creating many access routes and truck tracks The vehicles speed must be kept at 30km/h or less to reduce tires contractions on the soil. 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Clearing of vegetation and movement of vehicles for site establishment	Soil contamination from hydrocarbon spills	Soil, Land Use and Land Capability	- (ve)	6	3	3	3	36	<ul style="list-style-type: none"> • Clean all hydrocarbon spills from machinery immediately, and • Dispose contaminated soils at a permitted site or any other registered hazardous waste disposal site; • Drip trays are to be watertight, and must be emptied regularly and before rain events • The contents of drip trays are to be treated as hazardous waste • Only emergency and essential repairs of vehicles and equipment 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<p>may take place on site at the discretion of the terms and conditions of the land use agreement in place, agreed upon the landowner and the applicant.</p> <ul style="list-style-type: none"> No vehicles may be serviced of site. 					
Clearing of vegetation and movement of vehicles for site establishment	Uncontrolled soil erosion and change in the area topography	Topography	-(ve)	6	1	1	3	24	<ul style="list-style-type: none"> Demarcate construction footprint and limit activities to within this footprint as far as possible Keep the clearance area as small as possible 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> Keep as much original land cover as possible 					
Clearing of vegetation and movement of vehicles for site establishment	Increased sedimentation, surface runoff and Soil Erosion	Surface Water Resources	-(ve)	6	1	1	3	24	<ul style="list-style-type: none"> Limit the development footprint to reduce high-sediment runoff Avoid clearing the site during the rainy seasons Rehabilitate the area by re-using stockpiled soil within as short a period of time. 	4	1	1	2	12
Clearing of vegetation and movement of vehicles for site	Surface water contamination from hydrocarbon spills	Surface Water Resources	-(ve)	6	3	3	3	36	<ul style="list-style-type: none"> Clean all hydrocarbon spills from machinery immediately Dispose contaminated soils at a permitted site Drip trays are to be watertight, and must be 	2	1	1	2	08

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
establishment									emptied regularly and before rain events <ul style="list-style-type: none"> The contents of drip trays are to be treated as hazardous waste. 					
Clearing of vegetation and movement of vehicles for site establishment	Increased visual levels such as dust and infrastructures	Visual Aspect	-(ve)	6	1	2	3	27	<ul style="list-style-type: none"> The development footprints and disturbed areas should be kept as small as possible Construction activities should be restricted to daylight hours to limit the need to bright floodlighting and the potential for skyglow Dust suppression should be carried throughout, whenever dust emanates 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Clearing of vegetation and movement of vehicles for site establishment	On schools: <ul style="list-style-type: none"> Dust Generation Noise Generation 	Air Quality Noise	(-ve)	8	3	2	4	52	<ul style="list-style-type: none"> The vehicles speed must be kept at 30 km/h Footprint earmarked for vegetation removal must be clearly marked Trucks, machinery, and equipment must be regularly serviced to reduce noise levels Work must be conducted between 8am to 4pm in winter and 8am to 5pm in summer to control/limit noise disturbance. 	6	2	1	2	18
Clearing of vegetation and movement	Impacts on livelihoods and loss of income	Social	(-ve)	8	2	2	5	60	<ul style="list-style-type: none"> The applicant must consult with the affected parties on which times are favourable for them 	4	1	1	3	18

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
of vehicles for site establishment									<p>before undertaking the activities which could negatively impact their livelihood.</p> <ul style="list-style-type: none"> The applicant must ensure that there is an insurance policy in place readily available to compensate for any loss on the farm caused by the proposed activities; 					
Prospecting works	Generation of waste	Impact on environmental Aspects	-(ve)	6	1	1	4	32	<ul style="list-style-type: none"> Dedicate a storage area on site for the collection of wastes Litter bins must be equipped with a closing mechanism to prevent their contents from over 	4	1	1	2	18

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> following blowing out by wind • Empty litter bins regularly to avoid overflow • Proper ablution facilities on site must be provided. 					
Prospecting works	Work injury - impacting on the wellbeing of employees	Social, Health & Safety Aspect	-(ve)	6	2	2	4	40	<ul style="list-style-type: none"> • Proper protective equipment must be allocated to all personnel working with high-risk equipment (drill rig) • Tool box talk must be conducted to address the risk associated with the proposed project. 	2	1	1	2	08

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Operational Phase														
Boreholes drilling, construction of water sump and movement of vehicles	Generation of Dust	Air quality	- (ve)	6	1	1	3	24	<ul style="list-style-type: none"> Vehicles speed limit must be kept at 30km/h or less 	4	1	1	2	12
Borehole drilling, construction of water sump and movement of vehicles	Increased noise levels from movement of vehicles	Noise	- (ve)	6	1	1	3	24	<ul style="list-style-type: none"> Trucks, machinery, and equipment must be regularly serviced to reduce noise levels Work must be done between 8am to 4pm in winter and 8am to 5pm in summer to avoid making noise in the evening. 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Borehole drilling, construction of water sump and movement of vehicles	Disturbance of buildings and structures older than 60 years old	Cultural Heritage	(-ve)	4	1	2	2	14	<ul style="list-style-type: none"> Drilling activities should be located 150m away from any building structure. 	4	1	2	2	14
Borehole drilling, construction of water sump and movement of vehicles	Borehole water level reduction	Groundwater	(-ve)	6	1	1	3	24	<ul style="list-style-type: none"> The applicant must monitor and keep records of water levels prior drilling activities commences, and water levels must be monitored monthly 	4	1	1	2	12
Borehole drilling, construction of water	<ul style="list-style-type: none"> Disruption and destruction of animal life 	Fauna	(-ve)	6	1	2	2	18	<ul style="list-style-type: none"> No wild animal may under any circumstance be handled, removed or be interfered with 	4	1	2	2	14

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
sump and movement of vehicles	<ul style="list-style-type: none"> Disturbance to animals on site 								<ul style="list-style-type: none"> No wild animal may be fed on site No wild animal may under any circumstance be hunted, snared, captured, injured or killed No wild animal may under any circumstance be hunted, snared, captured, injured or killed Remove and dispose of any snares or traps found on or adjacent to the site 					
Borehole drilling, construction of water sump and	<ul style="list-style-type: none"> Disruption and destruction of vegetation 	Flora	-(ve)	6	1	2	4	36	<ul style="list-style-type: none"> The best mitigation measure for alien and invasive species is the early detection and eradication of these 	4	1	2	2	14

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
movement of vehicles	<ul style="list-style-type: none"> Establishment and spread of declared weeds 								<p>species which will be ensured with the use of a monitoring programme.</p> <ul style="list-style-type: none"> An alien invasive management programme should be developed and implemented in order to control alien invasive species No open fires are permitted under trees and no vegetative matter may be removed for firewood Locate construction camps on the outside fringe of the riparian vegetation zone Where damage to protected plants and 					

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									natural features is a problem, then these should be fenced for protection					
Borehole drilling, construction of water sump and movement of vehicles	Loss of fertile topsoil	Soil, Land Use and Land Capability	-(ve)	6	1	2	2	18	<ul style="list-style-type: none"> The construction footprint should be kept as small as possible Keep as much original land cover as possible Stripped soils should be stockpiled surrounding the disturbed area 	4	1	2	2	14
Borehole drilling, construction of water sump and	Soil Compaction	Soil, Land Use and Land Capability	-(ve)	6	1	2	3	27	<ul style="list-style-type: none"> Avoid creating many access routes Keep the speed limit to minimum to reduce the tire contractions on the soil. 	4	1	2	2	14

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
movement of vehicles														
Borehole drilling, construction of water sump and movement of vehicles	Soil contamination from hydrocarbon spills	Soil, Land Use and Land Capability	(-ve)	4	1	1	3	18	<ul style="list-style-type: none"> • Clean all hydrocarbon spills from machinery immediately • Dispose contaminated soils at a permitted site • Drip trays are to be watertight, and must be emptied regularly and before rain events. • The contents of drip trays are to be treated as hazardous waste. • Only emergency and essential repairs of vehicles and equipment may take place on site 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Borehole drilling, construction of water sump and movement of vehicles	Uncontrolled soil erosion and change in the area topography	Topography	- (ve)	6	1	1	2	16	<ul style="list-style-type: none"> Demarcate construction footprint and limit activities to within this footprint as far as possible. Keep the clearance area as small as possible Keep as much original land cover as possible. 	4	1	1	2	12
Borehole drilling, construction of water sump and movement of vehicles	Increased sedimentation, surface runoff and Soil Erosion	Surface Water Resources	- (ve)	4	1	2	2	14	<ul style="list-style-type: none"> Limit the development footprint to reduce high-sediment runoff; Avoid clearing the site during the rainy seasons Rehabilitate the area by re-using stockpiled soil within as short a period of time 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Borehole drilling, construction of water sump and movement of vehicles	Surface water contamination from hydrocarbon spills	Surface Water Resources	- (ve)	4	1	1	3	18	<ul style="list-style-type: none"> • Clean all hydrocarbon spills from machinery immediately • Dispose contaminated soils at a permitted site • Drip trays are to be watertight, and must be emptied regularly and before rain events; • The contents of drip trays are to be treated as hazardous waste. 	4	1	1	2	16
Borehole drilling, construction of water sump and	Increased visual levels such as dust and infrastructures (drill rig)	Visual Aspect	- (ve)	6	1	1	3	24	<ul style="list-style-type: none"> • The development footprints and disturbed areas should be kept as small as possible • Construction activities should be restricted to 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
movement of vehicles									daylight hours to limit the need to bright floodlighting and the potential for skyglow • Dust suppression should be carried throughout, whenever dust emanates					
Storage of Hydrocarbons	Soil and Land Capability and Surface Water	Land and Water Contamination	-(ve)	8	1	1	4	40	• Clean all hydrocarbon spills from machinery immediately • Dispose contaminated soils at a permitted waste disposal site or any registered hazardous waste disposal site. • Drip trays are to be watertight, and must be	6	1	1	2	16

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<p>emptied regularly and before rain events</p> <ul style="list-style-type: none"> • The contents of drip trays are to be treated as hazardous waste • Only emergency and essential repairs of vehicles and equipment may take place on site at the discretion of the terms and conditions of the land use agreement in place, agreed upon the landowner and the applicant. • No Vehicles may be serviced on site. 					

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> Do not locate any hydrocarbons within the 1:100-year flood line, or 100m of a watercourse, drainage line or identified wetland 					
Borehole drilling, construction of water sump and movement of vehicles	Generation of waste	Impacts all environmental aspects	-(ve)	6	1	1	4	32	<ul style="list-style-type: none"> Dedicate a storage area on site for the collection of wastes. Litter bins must be equipped with a closing mechanism to prevent their contents from overflowing blowing out by wind Empty litter bins regularly to avoid overflow 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> Proper ablution facilities on site must be provided 					
Borehole drilling, construction of water sump and movement of vehicles	Work injury- impacting on the wellbeing of the employees	Social, Health & Safety Aspect	- (ve)	6	1	1	4	32	<ul style="list-style-type: none"> Proper protective equipment must be allocated to all personnel working with high-risk equipment (drill rig). Tool box talk must be conducted to address the risk associated with the proposed project. 	4	1	1	2	12
Borehole drilling, construction of water sump and movement of vehicles	On Settlement and Residential ❖ Negatively impacting on residents' livelihoods	Social	- (ve)	8	2	2	5	60	<ul style="list-style-type: none"> The applicant must consult with the affected parties on which times are favourable for them before undertaking the activities which could 	4	1	1	3	18

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									negatively impact their livelihood					
Borehole drilling, construction of water sump and movement of vehicles	Fear of farm attacks on farmers due to strangers in the area	Safety and Security	- (ve)	6	3	2	4	44	<ul style="list-style-type: none"> Notify the local farmer's forum about the commencement of the prospecting process Comply with all the local safety requirements All contractors appointed by the applicant must ensure that farm gates remain locked at times when entering and exiting the farms. 	2	1	1	1	04
Decommissioning Phase														
Decommissioning	Dust generated from removal of	Air Quality	- (ve)	6	1	1	4	32	<ul style="list-style-type: none"> Topsoil must be spread during less windy days 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
	site infrastructures and from spreading of topsoil								<ul style="list-style-type: none"> Vegetation cover must be introduced as soon as possible to avoid soil erosion Implement dust suppression measures to minimize dust Revegetation must be done during rainy season 					
Decommissioning	Hydrocarbons spillages and wildlife deaths from Vehicles	Fauna and Flora	- (ve)	6	1	2	3	27	<ul style="list-style-type: none"> Protect vegetation and soil by avoiding hydrocarbon spillages Vehicles must make use of existing roads to avoid destruction of vegetation 	4	1	2	2	14
Decommissioning	Rehabilitation activities (spreading of	Visual	+ (ve)	8	1	5	4	56	<ul style="list-style-type: none"> All unnecessary infrastructure must be removed from the site 	8	1	5	4	56

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
	topsoil, removal of infrastructures and rehabilitation of access roads) will assist to reduce the negative visual impact of mining on the receiving environment.								<ul style="list-style-type: none"> • Spread topsoil over the rehabilitated area • Surface water and drainage lines must be rehabilitated to create a free-draining topography • Re-vegetate the rehabilitated areas; Ensure that the all boreholes are closed with a steel cap unless there is an agreement between the applicant and landowner to leave the boreholes open for the purpose of farm activities such as irrigation 					

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									<ul style="list-style-type: none"> For an effective restoration of the site, the applicant must agree with the landowner to harvest local vegetation for the purpose of replanting to ensure that the site blend to the natural state of the site. 					
Decommissioning	Increase of ambient noise levels from vehicles movements	Noise	- (ve)	6	1	1	3	24	<ul style="list-style-type: none"> Trucks, machinery, and equipment must be regularly serviced to ensure noise levels are not exceeded Reduce the vehicles speed limits to 30km/h or less Switch off equipment when not in use 	4	1	1	2	12

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
Decommissioning	Restoration of the surrounding land and its land use	Soil, Land Use and Land Capabilities	+ (ve)	8	1	5	5	70	<ul style="list-style-type: none"> No mitigation measure is required for this impact as is positive and land is reinstated back to the state prior prospecting activities 	8	1	5	5	70
Decommissioning	Soil and Land contamination from Hydrocarbon's spillages	Soil, Land Use and Land Capabilities	(+ve)	8	1	4	4	52	<ul style="list-style-type: none"> Protect vegetation and soil by avoiding hydrocarbon spillages Vehicles must make use of existing roads to avoid destruction of vegetation Car tracks created by movement of vehicles must be rehabilitated. Alien invasive control program must be 	8	1	5	5	70

Activity	Impact	Aspect	Nature	Magnitude	Extent	Duration	Probability	Significance Before Mitigation	Mitigation measures	Magnitude	Extent	Duration	Probability	Significance After Mitigation
									implemented and adhered to.					
Decommissioning	Monitoring of rehabilitation activities	Documents Control	+ (ve)	8	1	4	4	52	<ul style="list-style-type: none"> After every two years the applicant must send a rehabilitation progress report which is inclusive of the financial provisions and the total spending's towards rehabilitation to the environmental officer appointed by the farmers union. 	8	1	4	4	52

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

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

Table 13: Positive and Negative Impacts of the Project

Positive Impacts from the proposed activity	Negative Impacts from the proposed activity
Discovery of new resources: This project will assist in expanding information of available resources within the area.	Noise: through the movement of vehicles and operation of machineries.
Local Market Boost: Contractors on site will rely on local market for materials, beverages and food	Removal of vegetation: for the purpose of site establishment and during drilling
Good environmental management: All potential impacts that will be generated from the development of the project will be managed through the implementation of the EMP.	Habitat destruction: by removing the vegetation
	Change in land capability: Prospecting activities will not have so much impact on the land capability, however, this impact cannot be ruled out completely.
	Generation of Dust: due to the nature of the road that will be used (gravel), there will be minimal dust that will be generated.
	Groundwater Contamination; drill rig will be used to intersect different rock layers underneath the earth surface, should it get into contact with the acquirer layers it may have an impact of the underground water resources.

6.1.8 The possible mitigation measures that could be applied and the level of risk.

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

Please refer **Table 12** above for a full description of the Impact Assessment including mitigation measures.

6.1.9 Motivation where no alternative sites were considered.

The selected/preferred site, activities and technology to be used is chosen based on the attributes of the underlying geology of the area.

6.1.10 Statement motivating the alternative development location within the overall site

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

The preferred site is based on the desktop analysis of the geology of the area. The site is potentially underlain by reserves of the minerals to be prospected for, it is for this reason why prospecting activities are to be carried out to verify the availability of minerals and the feasibility of mining them in future.

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

(Including (i) a description of all environmental issues and risks that identified during the environmental impact assessment process and (ii) an assessment of the significance of each issue and risk and an indication of the extent to which the issue and risk could be avoided or addressed by the adoption of mitigation measures.)

The potential impacts were identified during the site visit and through literature review of the same activities. The receiving environment and its surrounds were assessed and studied to understand all natural (and social) features that would be affected by the proposed development. The generic criteria and systematic approach used to identify, describe and assess impacts as outlined in this report is stated in the above section in section 5, this was done in order to determine the significance of each activity rated.

Interested and affected parties as well as landowners will be consulted and notified of the proposed project to ensure that they exchange any information pertaining to the environment that may be of great importance to the attention of the EAP compiling the report.





7. Assessment of each identified potentially significant impact and risk

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

Refers to **table 12** above for the Identified Potential Significant Impacts and Risks.

8. Summary of specialist reports.

Table 14: Summary of Specialist studies

LIST OF STUDIES UNDERTAKEN	RECOMMENDATIONS OF SPECIALIST REPORTS	SPECIALIST RECOMMENDATIONS THAT HAVE BEEN INCLUDED IN THE EIA REPORT (Mark with an X where applicable)	REFERENCE TO APPLICABLE SECTION OF REPORT WHERE SPECIALIST RECOMMENDATIONS HAVE BEEN INCLUDED.
Archaeological or Heritage Impact Assessment	<p> It is recommended that SAHRA make a decision in terms of Section 38 (4) of the NHRA and Section 41(2) of Amafa aKwaZulu Natal and Research Institute Act of 2018 to approve the Prospecting Right Application on condition that all graves are identified, documented and mapped.</p> <p> The planners for the mine must provide 100m buffer zone from each burial and historical building recorded in this report.</p> <p> Documentation of graves located within homesteads must only be done if full permission is granted by the custodian families.</p> <p> Landowners and homeowners must be requested to declare graves located in their properties to ensure that all graves that occur in the project area are documented and mapped before prospecting commences.</p>	X	Section 6.1.4 and section 6.1.18 (b)

	<p>A walk down survey to record graves is required once permission is obtained from the residents and property owners.</p> <p>From a heritage perspective supported by the findings of this study, the Proposed Prospecting Right Application is supported. However, the Prospecting Right Application should be approved under observation that the proposed prospecting does not extend beyond the area considered in this report/affect the identified heritage sites.</p> <p>Should any of the identified historical buildings be on the direct footprint of the proposed mine footprint, a heritage practitioner must be appointed to assess the buildings in detail and apply for demolition permits from Amafa aKwaZulu Natal and Research Institute.</p> <p>Should chance archaeological materials or human remains be exposed during work to be conducted on any section of the site, work should cease on the affected area and the discovery must be reported to the heritage authorities immediately so that an investigation and evaluation of the finds can be made. The overriding objective, where remedial action is warranted, is to minimize disruption in the prospecting scheduling while</p>		
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	<p>recovering archaeological and any affected cultural heritage data as stipulated by the NHRA regulations.</p> <p>Subject to the recommendations herein made and the implementation of the mitigation measures and adoption of the project EMP, there are no significant cultural heritage resources barriers to the Prospecting Right Application. The Heritage authority may approve the Prospecting Right Application as planned with special commendations to implement the recommendations made herein.</p> <p>Mitigation on graves must not be done without the involvement and consent from the custodian families.</p>		
<p>Ecological and Wetland baseline impact assessment report</p>	<p>Careful consideration must be afforded each of the mitigation measures provided in this report. In the event that environmental authorisation is issued for this project, proven ecological (or environmental) controls and mitigation measures must be entrenched in the management framework. It is clear from the regional ecological overview, as well as the baseline data collected to date that parts of project area are in a fairly pristine condition and has only been minimally altered both historically and presently.</p>		

	<p>Considering the nature of the project, it is the opinion of the specialists it is unlikely that prospecting project may cause great impact on the environment.</p> <p>To ensure that the project has minimal impacts on the sensitive environment, it is proposed that drilling sites be placed outside the high sensitive areas.</p>		
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9. Environmental Impact statement

6.1.11 Summary of the key findings of the environmental impact assessment;

The environmental Impacts associated with the prospecting process are significantly low, the footprint of the project activities is site specific only. Mitigation measures have been recommended to eliminate and/or reduce environmental impacts. These mitigation measures and monitoring programmes have been included as a commitment in the Environmental Management Programme. The Environmental Management Programme aims to present management measures that will eliminate, offset, or reduce adverse environmental impacts, as well as to provide the framework for environmental monitoring. The purpose of the Environmental Management Programme is to ensure that negative environmental impacts of the proposed project are effectively managed within acceptable limits and that the positive impacts are enhanced.

6.1.12 Site Map

The site map is attached as **Figure 2**.

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

All the positive and negative impacts pertaining to the proposed project has been outlined in detail in table 13.

10. Proposed impact management objectives and the impact management outcomes for inclusion in the EMPr;

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

The objectives of the identified mitigation measures are to ensure that the impacts are minimised or avoided, where impacts cannot be avoided, rehabilitation measures are to be implemented upon closure, and as part of the closure objectives of the project. All the potential (negative) impacts identified have been assessed and found to be very high and after applying the mitigation measures, the impacts get even lower.

The EMPr addresses the environmental impacts associated with the project during Construction, Operation, and Decommissioning the proposed project. The objectives of the EMPr will be to provide detailed information that will advise the planning design of Lithium Ore, Dimension stone (general), Feldspars, Tantalum/ Niobium ore as well as Zinc Ore

prospecting activities in order to avoid and/or reduce impacts that may be detrimental to the environment.




11. Aspects for inclusion as conditions of Authorisation.

(Any aspects which must be made conditions of the Environmental Authorisation).

- Existing access routes must be used to access the point of interest. The access routes should be maintained to ensure that other users are not affected by the use of routes for the development.
- Ensure that the access roads are well maintained and sprayed with water when necessary to suppress dust emissions.
- Disturbed areas must be rehabilitated to a quality that matches or replicates the surrounding area,
- All wastes generated must be disposed of at an appropriate registered landfill and disposal certificate be kept on site;

12. Description of any assumptions, uncertainties and gaps in knowledge.

(Which relate to the assessment and mitigation measures proposed)









-  It is assumed that the conclusions made from the observation made during the site assessment and the desktop-sourced information is correct.
-  It is assumed that the information obtained from the existing literature regarding environmental sensitivity, biodiversity, climatic conditions, heritage, and any related information is a true reflection of the conditions existing of the site.
-  This report has been compiled according to the requirements stipulated or outlined in the NEMA regulations.

13. Reasoned opinion as to whether the proposed activity should or should not be authorised

6.1.14 Reasons why the activity should be authorized or not.

The applicant is applying for a prospecting right which will be undertaken through drilling of only 20 boreholes which has low impact on the environment. Should the mitigation measures and monitoring programmes proposed in this document be implemented on site, no fatal flaws could be identified that were deemed as severe as to prevent the activity from continuing.

6.1.15 Conditions that must be included in the authorisation.

-  SANBI National Freshwater Ecosystem Priority Areas (NFEPA) regulation should be complied with. The 100m buffer zone / 1:100-year flood line should not be encroached; authorization will be needed to conduct activities should such sensitive areas be prone to impacts.
-  SAHRA permits should be obtained were heritage sites and the 50m buffer zones are potentially impacted.
-  Undertake Environmental Performance Assessments against the EMP to ensure the correct implementation of all EMP measures.
-  Record must be kept of the implementation of the EMP measures and monitoring of the efficiency of the implemented measures.
-  Provide financial provision for the rehabilitation of the disturbed areas.
-  The right holder should be held liable for reimbursing any losses incurred by landowners as a result of the proposed exploration activities.
-  The rehabilitation plan should be considered as the first draft and a living document. All measures on the report should be implemented through the life of the operation; and
-  All recommendations made in the report should be implemented and considered in the finalisation of the site layout plan and operational design of the proposed exploration activity.

14. Period for which the Environmental Authorisation is required.

The authorisation is required for the duration of Five (5) years from the date of granting of the Environmental Authorization and the prospecting right. The validity of the prospecting right may be extended annually for a period of not exceeding 3 years.

15. Undertaking

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

An undertaking is provided at the end of this report.

16. Financial Provision

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

The financial provision estimated is **R 92 016,02**, (Ninety-Two Thousand and Sixteen Rand and two cents) and will be provided upon request by the DMRE.

6.1.16 Explain how the aforesaid amount was derived.

The amount was derived from using the 2023 Master Rates with the determination of the quantum for closure, it must be assumed that the infrastructure had no salvage value (clean closure).

6.1.17 Confirm that this amount can be provided for from operating expenditure.

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

It is confirmed that this amount can be provided for, from the operating expenditure.

17. Specific Information required by the competent Authority

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

(a) Impact on the socio-economic conditions of any directly affected person.

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

Desktop studies are non-invasive and will not affect landowner or lawful occupier. The invasive drilling of the 20 boreholes is short term and restricted to the site, it was noted the proposed area is disturbed due to agriculture. Relevant legislature will be consulted on navigating buffer zones and sensitive areas, and groundwater resources pollution potential is low. The socio-economic aspects are positive, jobs will potentially be created.

(b) Impact on any national estate referred to in section 3(2) of the National Heritage Resources Act

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

The study did not identify any significant archaeological remains during the survey. Road cut sections and eroded sections were assessed for potential archaeological remains accidentally exposed by erosion. Based on the field study results and field observations, the receiving environment for the Prospecting Right Application site is low to medium potential to yield previously unidentified archaeological sites.

Literature review also revealed that no Stone Age and LIA sites are shown on a map contained in a historical atlas of this area. This, however, should rather be seen as a lack of research in the area and not as an indication that such features do not occur. However, if any remains are accidentally exposed during the drilling process, the KwaZulu-Natal Provincial Heritage Resources Agency (KZNPHRA) or heritage specialist will be contacted to assist in situations like that.

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

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

No other matters required in terms of sections 24(4) (a) and (b) of the Act. This report consists of assessments of each identified activity with their associated potential impacts, risks, and alternatives. The significance of potential impacts was assessed, including the option of not implementing the activities.

PART B: ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT

1.1 Details of the EAP,

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

It is confirmed that the requirements for the provision of the details and expertise of the EAP are already included in PART A, section 1.

1.2 Description of the Aspects of the Activity

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

It is confirmed that the requirement to describe the aspects of the activity that are covered by the draft environmental management programme is already included in PART A, section 4.

1.3 Composite Map

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

The composite map is attached as Figure 14 overleaf.

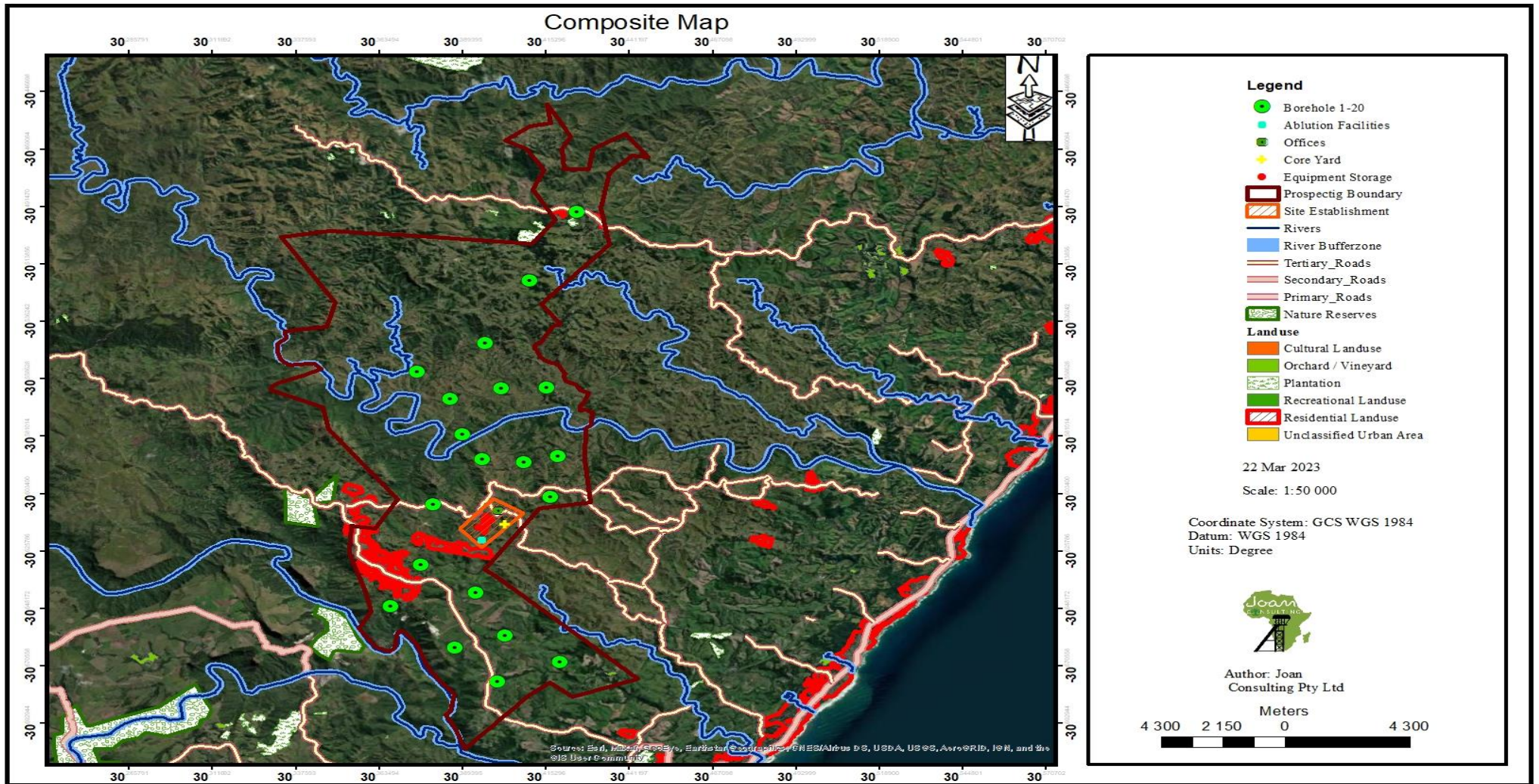


Figure 14: Composite map of the proposed prospecting right area

1.4 Description of Impact management objectives including management statements.

1.4.1 Determination of closure objectives.

The main objective will be to rehabilitate and return the borehole drill areas, access tracks and any areas affected as a result of prospecting activities (including temporary infrastructures) to resemble the surrounding landscape (natural/ open) with no remaining infrastructure or potential hazards to people or the environment.

Further environmental objectives include:

- Ensure that no temporary infrastructures are left on-site and ensure environmental and safety risks are minimised;
- Rehabilitate areas disturbed by prospecting activities;
- Rehabilitated areas must not pose a safety hazard to humans and animals;
- Establish a self-sustaining and stable vegetation cover over the area disturbed by the prospecting activities;
- Minimise the establishment of alien vegetation;
- Ensure the rehabilitated landform is free draining;
- Protect drainage lines and watercourses; and
- Ensure adherence to local, provincial and national regulatory requirements.

The overall goal for closure of the prospecting site is to, ensure that the land is stable and safe in the long-term. For post closure, the disturbed area will be rehabilitated. All waste types will be removed and disposed properly. No rubble or domestic waste will be left lying in and around the site.

1.4.2 Volumes and rate of water use required for the operation.

The Applicant will get water from a registered water supplier and the water will be transported by a tanker. Water will be used for for dust suppression, Cooling the rig and other uses onsite.

1.4.3 Has a water use license has been applied for?

A water use licence is not required for the project because of the following reasons:

- The Applicant will make use of water obtained from a legal source and not commission a new abstraction point;
- No waste or water containing waste will be disposed in a manner which may result in pollution;
- No waste or water containing waste will be discharged into the environment.
- No activities which may result in pollution will take place within a regulated area of a watercourse.

1.4.4 Impacts to be mitigated in their respective phases

Table 15: Measures to rehabilitate the environment affected by the undertaking of any listed activity

Activity	Impact	Aspect	Phase	Size and scale	Mitigation measures	Compliance with standards	Time period for implementation	Standard to be Achieved
Clearing of vegetation and movement of vehicles for site establishment	Dispersing and disruption of animals	Fauna	Construction	0.032	<ul style="list-style-type: none"> No wild animal may under any circumstance be handled, removed or be interfered with No wild animal may be fed on site No wild animal may under any circumstance be hunted, snared, captured, injured or killed No wild animal may under any circumstance be hunted, snared, captured, injured or killed Remove and dispose of any snares or traps 	Compliance with conservation of wild life Standards	Throughout the life cycle of the prospecting work	Prevent and protect and conserve the lives of fauna

Activity	Impact	Aspect	Phase	Size and scale	Mitigation measures	Compliance with standards	Time period for implementation	Standard to be Achieved
					found on or adjacent to the site.			
Clearing of vegetation and movement of vehicles for site establishment	Impact on Settlement and Residential Negatively impacting on residents' livelihoods	Social	Construction	0.032	<ul style="list-style-type: none"> The applicant must consult with the affected parties on which times are favourable for them before undertaking the activities which could negatively impact their livelihood 	Compliance with standards within the IDP	Throughout the life cycle of the prospecting work	Prevent and protect the livelihoods of farmers owners and local residents
Clearing of vegetation and movement of vehicles for site	Fear of farm attacks by farmers due to strangers in the area	Safety and Security	Construction	0.032	<ul style="list-style-type: none"> Notify the local farmer's forum and affected forums Comply with all the local safety requirements All contractors appointed by the 	Compliance with health and safety standards	Throughout the life cycle of the prospecting work	Safety of all I&AP's



Activity	Impact	Aspect	Phase	Size and scale	Mitigation measures	Compliance with standards	Time period for implementation	Standard to be Achieved
establishment					applicant must ensure that farm gates remain locked at times when entering and exiting the farms.			

1.5 Impact Management Outcomes

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

All the above requirements are addressed in Table 15 above

1.6 Impact Management Actions

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

All the above requirements are addressed in Table 15 above.

1.7 Financial Provision

1.7.1 Determination of the amount of Financial Provision.

- (i) **Describe the closure objectives and the extent to which they have been aligned to the baseline environment described under the Regulation.**

Closure and rehabilitation will be done with reference to the closure objectives. The closure objectives include:

- Rehabilitate the disturbed area back to its natural state as close as possible.
- Leave no remnant impacts on the neighbouring farmers and rehabilitate to allow re-vegetation.
- Leave no open borehole on site. Close the drill holes with caps or by soil or rocks.
- Removing all the mobile infrastructures and all other items used during operation
- Ensure that the site remain free from any waste.
- To safeguard the safety and health of humans and animals on the site.
- To limit and manage the visual impact of the Prospecting activities.
- To manage and limit the impact to the surface and groundwater aquifers in such a way that an acceptable water quality and yield can still be obtained, when a closure certificate is issued.

- (ii) **Confirm specifically that the environmental objectives in relation to closure have been consulted with landowner and interested and affected parties.**

The Environmental Impact Assessment (EIA) process outlines the participation of I&APs. The EIA process states that the draft BAR and EMPr are subject to a 30-day review period by I&APs. Comments and responses from I&APs will be included in the final BAR and will be distributed to the municipality, district, and Landowners.

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

During rehabilitation, all 20 drilled boreholes will be closed with caps or with soil and rocks to prevent surface water to flow inside and contaminate ground water. All infrastructure will be removed, and surface cleaned up.

Table 16: Rehabilitation measures

Activity	Extent Before Closure
Drill site (Boreholes, core trays & mobile toilets)	0.2 ha
Removal of vegetation <ul style="list-style-type: none">• Parking Bay• Site office• Mobile ablution• Equipment storage	0.2ha
Water sump	0.032ha
Total disturbed area	0.432ha

The following rehabilitation plan will be implemented for the above -mentioned activities:

- All mobile ablution/toilets will be taken away from site and the area disturbed will be revegetated.
- Drill holes shall be capped by placing a steel casing to a suitable depth and concrete cap on top of the borehole.
- The equipment storage area will be decommissioned and removed from site. The disturbed area will be cleaned and ripped to aid revegetation.
- All infrastructure and machinery on the site camp shall be removed and area shall be ripped to promote revegetation.
- The temporary access road, single track or formal shall be ripped or ploughed, and where necessary fertilizer (based on soil analysis) applied to ensure the regrowth of vegetation;
- The areas shall be cleared of any contaminated soil.
- The site will be mulched using locally obtained grass; this is to stimulate the long-term establishment of indigenous vegetation and to reduce erosion during early plant growth
- Rehabilitation of the new topographical landscape will be conducted in such a way that it would blend in with the surrounding landscape and allow normal (controlled) surface drainage to continue.

All illegal invader plants and weeds shall be eradicated as required in terms of Regulation 15 & 16 of the Act on Conservation of Agricultural Resources, 1983 (Act no. 43 of 1983) which list the plants.

(iv) Explain why it can be confirmed that the rehabilitation plan is compatible with the closure objectives.

It can be confirmed that the rehabilitation plan is compatible with the closure objectives. The rehabilitation plan ensures the site will be returned to its pre-activity state.

(v) Calculate and state the quantum of the financial provision required to manage and rehabilitate the environment in accordance with the applicable guideline.

Financial Provision for Rehabilitation for year 1 is calculated on table 14 below

Table 17: Financial Provision for Rehabilitation for 5 years prospecting period

Applicant:	Afli Exploration 1 (Pty) Ltd					Ref: KZN30/5/1/1/2/11361PR		
Evaluator	Lufuno Mutshathama					Date: May 2023		
No.	Description	Unit	A	B	C	D	E=A*B*C* D	
			Quantity	Master	Multiplication	Weighting	Amount	
				Rate 2023	factor	factor 1	(Rands)	
1	Dismantling of processing plant and related structures (including overland conveyors and power lines)	M ³	0	19.27	1	1	0.00	
2 (A)	Demolition of steel buildings and structures	M ²	0	268.39	1	1	0.00	
2(B)	Demolition of reinforced concrete buildings and structures	M ²	0	395.52	1	1	0.00	
3	Rehabilitation of access roads	M ²	0	48.03	1	1	0.00	
4 (A)	Demolition and rehabilitation of electrified railway lines	m	0	466.15	1	1	0.00	
4 (B)	Demolition and rehabilitation of non-electrified railway lines	m	0	254.26	1	1	0.00	
5	Demolition of housing and/or administration facilities	M ²	0	536.78	1	1	0.00	
6	Opencast rehabilitation including final voids and ramps	ha	0	281,385.87	1	1	0.00	
7	Sealing of shafts adits and inclines	M ³	0	144, 08	1	1	0.00	



8 (A)	Rehabilitation of overburden and spoils	ha	0	187,590.58	1	1	0.00
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (basic salt producing waste)	ha	0	233,640.68	1	1	0.00
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (acidic metal-rich waste)	ha	0	678,603.27	1	1	0.00
9	Rehabilitation of subsided areas	ha	0	157,078.86	1	1	0.00
10	General surface rehabilitation	ha	0.432	148,603.38	1	1	64 196,66
11	River diversions	ha	0	148,603.38	1	1	0.00
12	Fencing	m	0	169,51	1	1	0.00
13	Water management	ha	0	105,220.16	1	1	0,00
14	2 to 3 years of maintenance and aftercare	ha	0.432	19,776.12	1	1	8 543,28
15 (A)	Specialist study	Sum	1	0.00	1	1	0.00
15 (B)	Specialist study	Sum	1	0.00	1	1	0.00
					sum		72 739,94
			subtotal 1	weighting factor 2	1		72 739,94
1	Preliminary & General		10%				7 273,99
1	Contingencies		10%				7 273,99
			Subtotal 2				80 013,93
			VAT (15%)		15%		12 002,09
					Grand Total		92 016,02

(vi) Confirm that the financial provision will be provided as determined.

The financial provision will be provided as determined by the competent authority.

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

1.8 Monitoring of Impact Management Actions.

Monitoring of the impact management actions will be done by the Environmental Control Officer and the project manager. The ECO will be based on site to ensure that all management actions are implemented where required. Should, under any circumstance, the contractor's activities pose any damage on the environment and not comply with measures and impact management actions as stipulated in the EMP, the contractor will be held responsible for any such non-compliance. It is therefore the responsibility of the contractor to ensure that all relevant measures are taken to rectify such damage, at the contractor's expense. It is the duty of the ECO to monitor compliance with the EMP, and report and notify the contractor of any non-compliance, highlighting the following:

- Details of the nature of the non-conformance;
- The actions to be taken to correct the situation; and
- The date by which each corrective action should be executed.

The contractor will also be liable to produce a Corrective Action Plan, within which he/she will detail how the required corrective actions will be implemented. This plan will be submitted to the ECO and Project Manager for approval prior to implementation and the corrective measures have been carried out, the ECO will then be required to sanction the success or failure of the corrective action.

1.9 Monitoring and reporting frequency

Monitoring will be done monthly and the reporting to the competent authority will be done annually. Any non-compliances will be recorded and plans of actions documented.

1.10 Responsible persons

For this EMP to be implemented effectively, all role players involved in this project need to comply with the directives set out. A concise description of impacts and their mitigation/management measures will be provided and understood by all role players responsible for the implementation and monitoring of the mitigation measures

This project will comprise of the following responsible role players:

- Lead Authority (DMR- North West Regional)
- The Environmental Control Officer;

- The Contractor;
- The project manager and
- The Developer (Permit holder).

These parties will ensure that all conditions stated on the right are adhered to and that all environmental management requirements are met. Each person’s responsibility is detailed in the Table below.

Table 18: Responsible Persons for the Project

Functions	Responsibility
Permit Holder	Ensuring compliance to the EMP and conditions contained in the Environmental Authorisation (EA). Contracting the Environmental Control Officer as an independent appointment to objectively monitor and implement the applicable environmental legislation.
Project Manager	<p>Complete responsibility of the whole project and any contracted parties and ensuring that all environmental management facets are adhered to. The Project Manager will be supported by the ECO, with the following roles and responsibilities during the operations;</p> <ul style="list-style-type: none"> • Review the annual reports compiled by the Environmental Control Officer (ECO); • Identify the need for remedial measures with regard to proposed works; • Communicate directly with the Contractors; and • Issue non-conformance notifications to Contractors that do not comply with the requirements as set out in the EMP.
Environmental Control Officer	<ul style="list-style-type: none"> • Objectively monitor, implement applicable environmental legislation, conditions of Environmental Authorisations (EA’s) and the EMP. • Conduct audits on compliance to applicable environmental legislation, conditions of EA’s and the EMP. Including size and sensitivity of the development (on grounds of the EIA). • Liaison between the relevant authorities and project team. Any changes in environmental conditions, registration and

	<p>updating of all EMP documentation should be communicated and carried out by the ECO</p> <ul style="list-style-type: none"> • Develop environmental awareness training for all new site personnel (e.g., posters, tool box talks, signage); • Undertake visual inspections of the activities of employees with regard to implementation of the requirements outlined in the EMP; • Immediately notify the Project Manager of any non-compliance with the EMP, or any other complaints or issues of environmental concern; • Ensure that all environmental monitoring programmes (sampling, measuring, recording etc.) are carried out according to protocols and schedules
<p>Lead Authority (DMR)</p>	<p>The department responsible for approving the Environmental Authorisation application. Ensuring that the monitoring and adherence to EMPs is carried out, by going through/reviewing audit reports submitted by the ECO and conducting regular site visits.</p>
<p>Contractor</p>	<p>A Contractor will be employed by the developer for different components of the project. The Contractor's primary responsibilities are to construct the works and ensure compliance with the EMP whilst carrying out the work.</p>

1.11 Time period for implementing impact management actions

The impact management actions must be implemented immediately or within a day of being approved.

1.12 Mechanism for monitoring compliance

Table 19: Mechanisms for monitoring compliance.

Associated Potential Impacts	Functional Requirements for Monitoring	Roles and Responsibilities	Monitoring and Reporting Frequency and Time Periods for Implementing Impact Management Actions
CONSTRUCTION & OPERATIONAL PHASE			
Noise Generation	Maintain a complaint register that is made accessible to the locals	ECO and Project Manager	Monitor Monthly
	Safety inspection to ensure all workers are wearing protective ear plugs during drilling	ECO and Project Manager	Reporting Daily
Soil contamination by oil spills from vehicles and machinery.	<ul style="list-style-type: none"> Daily inspection of operational equipment Service vehicles timeously 	ECO and Project Manager	<ul style="list-style-type: none"> Daily Inspection Weekly Reporting
Dust	<ul style="list-style-type: none"> Safety inspections to ensure all workers are wearing protective gears (dust mask) during operation Dust suppression inspection on the access roads 	<ul style="list-style-type: none"> ECO and Occupational Hygienist Project Manager 	<ul style="list-style-type: none"> Monthly Monitoring Monthly Reporting Monthly reporting/ Daily Monitoring



	<ul style="list-style-type: none"> Maintain a complaint register that is made accessible to the locals 		
Safety and hazards	Maintain an incident register for any accidents or safety incidences.	ECO & Project Manager	Monthly Reporting
Soil erosion	Ensure concurrent rehabilitation (backfilling, fertilization, and or re-vegetation) is implemented throughout the life of the project	ECO and Project Manager	Monthly Reporting
Safety and hazards	Maintain an incident register for any accidents or safety incidences	ECO and Project Manager	Monthly Reporting
Solid waste such as debris and litter may be generated and deposited in and around the site. This may attract nuisance and affect the natural scenery/aesthetic quality of the site.	Inspection of waste storage and ablution facilities and the general site inspection for any oil spillages and debris from drilling	ECO and Project Manager	<ul style="list-style-type: none"> Weekly Monitoring Monthly Reporting
Contamination of soil and underground water		ECO and Project Manager	<ul style="list-style-type: none"> Weekly Monitoring Monthly Reporting



by spills from mobile ablution facilities.			
REHABILITATION PHASE			
Recovery and restoration of the Natural Habitat Dust dispersal Rehabilitation of the disturbed and contaminated areas Re-vegetation Removal of all mobile infrastructure on site	<ul style="list-style-type: none"> • Inspection of rehabilitation on site and comparison of rehabilitation progress against the rehabilitation plan • Continuous monitoring of rehabilitation process and objectives. 	<ul style="list-style-type: none"> • ECO & Competent Authority • Safety Officer/Occupational Hygienist 	Monthly, quarterly & annual inspection and reporting

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

The performance assessment/ audit report will be submitted annually.

1.14 Environmental Awareness Plan

An environmental control officer will undertake awareness of different environmental aspect and will train the employees on how to deal with emergency situations and how to remediate such emergencies.

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

The environmental control officer will have monthly meetings to conduct environmental awareness with all the employees. There will also be a monthly environmental topic of which the notices will be pasted at the site office for the employees to see every morning as they clock-in.

(II) Manner in which risks will be dealt with in order to avoid pollution or the degradation of the environment.

The EMP details commitments in order to avoid pollution or the degradation of the environment. Compliance with the EMP commitments will form part of the contractors' contract. Employees will also be briefed regarding the EMP commitments prior to the commencement of operations. The ECO will monitor that the commitments are being adhered to by the contractors and employees.


1.15 Specific information required by the Competent Authority


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


The financial provision will be reviewed annually as per the requirements of Section 24(P)(3) of NEMA. The Applicant commits to conduct EMP performance assessments as required in terms of Regulation 55 of the MPRDA on a biennial basis and external environmental audits of the EMP and Environmental Authorisation as per the NEMA EIA Regulations.


19. UNDERTAKING

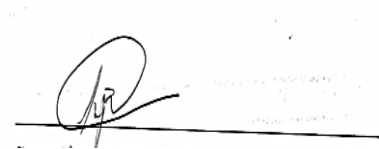
The EAP herewith confirms:

-  The correctness of the information provided in the reports

-  The inclusion of comments and inputs from stakeholders and I&APs:

-  The inclusion of inputs and recommendations from the specialist reports where relevant; and

-  That the information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested and affected Parties are correctly reflected herein.



Signature of the environmental assessment practitioner.

Joan Consulting (Pty) Ltd

Name of company:


May 2023

Date

-END-



APPENDICES



APPENDIX A
EAP CV, QUALIFICATION &
PROFESSIONAL REGISTRATION

LUFUNO PRECILLA MUTSHATHAMA

45 Mayers Estate, Bassoon Avenue, Strubensvalley, Johannesburg, Gauteng 2194 ♦ 073 912 0800 ♦
Lufuno@Joanprojects.co.za

----- PROFESSIONAL SUMMARY -----

Lufuno Precilla Mutshathama is an Environmental Scientist by profession, and has just over 14 years' experience working in the mining industry specializing in mine environmental management and mineral licensing. Of the 14 years, 3 years were spent as a regulator at the Department of Mineral Resources), 1.5 years were spent working at a JSE listed mining company as the Group Environmental Officer and the 13 years to date were spent as a founder and Principal Consultant at Joan Consulting (Pty) Ltd, an environmental management and mineral licensing firm. Lufuno has extensive experience in mining environmental management areas such as water management, Environmental Management Programme implementation, waste management, environmental audits, financial provision estimations and revision, mine rehabilitation and assessments such as Environmental Impact Assessment, Basic Assessment, scoping, closure plans and environmental risk assessment. Mineral licensing which entails obtaining prospecting and mining rights, their variations and cessions is also a specialty service offering.

SKILLS

- Auditing
- Risk assessment
- Management skills
- Community/public liaison skill

WORK HISTORY

Founder Director, 07/2013 to Current

Joan Consulting – Randburg, Gauteng

Mineral Licensing

- Apply and obtain mineral rights (prospecting rights, Mining Rights and Mining permits)
- Apply and obtain for variation of mineral rights
- Apply for ceding of mineral rights

Environmental management

- Conduct scoping & Environmental Impact Assessments and compile environmental Management programmes (EMP)
- Assist mines with environmental compliance with regard to the EMP implementation, water management, waste management, etc

- Conduct internal and external independent environmental audits
- Undertake financial provision estimations and revisions for the mines
- Compile mine rehabilitation and closure plans

Group Environmental Officer, 01/2012 to 06/2013

Village Main Reef – Johannesburg, Gauteng

Environmental Management:

- Enforce Compliance of MPRDA 2002(Act no 28 of 2002), NWA 1998 (Act no 36 of 1998) and NEMA 1998 (Act no 107 of 1998) through conducting environmental monitoring & auditing in four (4) mines and one exploration site.
- Compilation of EMPs
- Assessment of EM Programmes before they are submitted to the DMR
- Compilation of rehabilitation plans
- Liaison with the regulators
- Compilation of performance assessments for all operations
- Calculation and updating rehabilitation financial liability
- Compilation of closure applications for Prospecting Rights
- Conduct public participation

Mineral licensing

- Apply and obtain for mining rights cession
- Apply and obtain mining rights variation

Environmental Officer, 09/2008 to 12/2011

Dept. Mineral Resources – Polokwane, Limpopo

Environmental Management:

- Evaluation & assessment of EMPs, EIAs Scoping Reports, Performance Assessment Report, Closure Plans, rehabilitation plans Environmental Liability and other Environmental Technical Reports.
- Management of mining related impacts on the components of the natural environment.
- Compliance and enforcement of MPRDA 2002(Act no 28 of 2002), NWA1998 (Act no 36 of 1998) and NEMA 1998 (Act no 107 of 1998) through conducting Inspections, environmental monitoring & auditing
- Identifying area that are sensitive and protected before mining can resume

Mineral and Prospecting Right Legal Tenure

- Assist clients with lodging applications on SAMRAD system.

- Capture mining spatial areas (polygons/ farms) applied for on the work -based GIS(ArcIMS) software for mining right, prospecting right and mining permit
- Digitising/geo-coding mining polygons

EDUCATION

Bachelor of Science Degree: Environmental Sciences, 2008

University of Venda - Thohoyandou, Limpopo

PROFFESIONAL AFFILIATIONS

Registered EAP (EAPASA)-Registration number: 2019/1789

SACNASP certificated natural scientist (Registration number: 114437)

University of Venda



This is to Certify that the Degree of
**Bachelor of
Environmental Sciences**

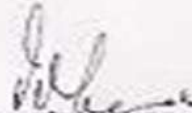
was Awarded to

MUGOVHANI LUFUNO FRSOELLA

at a Ceremony held on the


08-MAY-2008

in Accordance with the Provisions of the
Act and Statute


Vice Chancellor




University Registrar


Executive Dean

**Environmental Assessment
Practitioners Association
of South Africa**



Registration No. 2019/1789

Herewith certifies that

**Lufuno Precilla
Mutshathama**

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 B

PUBLIC PARTICIPATION PROCESS (PPP)

APPENDIX B1

**PROOF OF NEWSPAPER ADVERT
(ISIZULU & ENGLISH)**

Bekungedluli lutho befuna amanzi eHarding

Ginisile Ndovela
 UBUUDINWE ugane unwabu umphakathi waseHarding kamuva nje ufuna amanzi kubaholi nakubaphathi bakamasipala wesiFunda Ugu. Umbabe umbhikisho othathe izinsuku eziningi ngesonto eledule umise nse yonke into endaweni yaKwaMachi. Imigwaqo engenayo nephumayo eHarding beyivalwe thaka abahlali bephume ngobuningi babo. Umthombo we-Eyethu Ugu osebenzela KwaMachi eHarding nowuthisha khona uthe lo mbhikisho wabahlali umise yonke into ezikoleni zendawo. "Besingakwazi ukuya ezikoleni siyofundisa izingane ngoba umgwaqo oyityela oya esikoleni engifundisa kuso ubuvulwe ngemikhulu imigqomo namathes. Bekuvutha umfilo emgwaqweni kuthule du kungekho moto ekwazi ukwedlula. Izingane bezingayanga esikoleni ngoba bezibhikisha kanye nabazali bazo." kusho lo thisha. Engungquthelani yamanzi noma indaba ebeyihlelwe umasipala wesifunda Ugu ngoLwesibili lwesonto eledule e-Ugu Sports and Leisure Centre ngenhloso

yokubhangisa zonke izinhloko ngamakhanda ukuze zithole isixazululo ngenkinga yokungatholakali kwamanzi ezindaweni eziningi zomasipala abangaphansi koGu, uSotshwebu wamaKhanzela eMkhandlweni woGu, uKhanzela Matho Shoji obewuMqondisi wohlelo kulengqungquthela yamanzi uthe seyizululekile eyesiteleka somphakathi obukhala ngamanzi e-Harding. "Sibonga iMeya kaMasipala waseMuziwabantu nokuwumuntu omusha kunazo zonke izimeya ze-ANC eKZN, uKhanzela LS Zungu obeyingxenyi yabaholi abaxoxe nabahlali baseHarding ebebhekisha. Sesixazululekile isiteleka ngoba bonke bethu baphuthume khona eHarding ngoba kunesikhhalazo samanzi," kusho uShoji. Okhuluma umasipala wesifunda Ugu, uMnuz France Zama utshintsiwe ngesimo samanzi saKwaMachi njengoba kade kunombhikisho wabahlali befuna ukuphakelwa amanzi Ugu. UMnuz Nzama ubengakaphawuli ngesikhathi sokushicilela lo daba noma ebuzwe ngalo ngoLwesithathu olwedule.



umphakathi waseHarding, KwaMachi uvale umgwaqo ngemigqomo wase ushisha umfilo wavutha phakathi emgwaqweni kwama nse yonke into ufuna umasipala wesiFunda Ugu uwuphakele amanzi.



Abahlali baKwaMachi bebegcwele umgwaqo kamuva nje bephoqa umasipala wesifunda Ugu ubaphakele amanzi emakhaya.

PUBLIC NOTICE

ISAZISO SOKUBONISANA WESICELO ESIFANELE SE-PROSPECTING YI-AFLI EXPLORATION 1 (PTY) LTD (NOMBOLO YEREFERENSI: KZN30/5/1/12/11361PR)

Isaziso sinikezwa ngokwesigaba 16 (4) (b) soMthetho we-Mineral and Petroleum Resources Development Act, 2002 (umthetho we-MPRDA 28 ka-2002) njengoba ushintshwa ufundwa nemigomo 40 kuya ku-44 yemithetho yokuhlola umthetho we-2014 njengoba ishintshwa ("NEMA").

I-AFLI EXPLORATION 1 (PTY) LTD ifake isicelo se-Prospecting Right emapulazini alandelayo: Remaining extent of farm Esher 9618 ET, Remaining extent of farm Sub A of Bownmouth 10851 ET, Remaining extent of farm Umbogotwane 9698 ET, Remaining extent of farm Frankland no 2 9598 ET, Remaining extent of farm Quabi 9233 ET, Remaining extent of farm 17553 ET, Remaining extent of farm Sub A of Italia 9534 ET, portion 10, 20, 30, 40, 80, 90, 120, 50, 70, 100, 60 of farm Hudson 17322 ET, Portion 20, 10, 90, 100, 50, 40, 30 and Remaining extent of farm Lot X 5715 ET, Portion 50, 10, 20, 30, 40 and Remaining extent of farm Golden gate 9321 ET, Portion 1440, 100, 110, 51, 80, 90, 10 and Remaining extent of farm Endymion 16558 ET, Portion 70, 80, 90, 60, 50, 40, 30 and Remaining extent of farm Poplar vale 9102 ET, Portion 10, 80, 70, 20, 30, 60, 50, 90, 40 of farm Italia C 12423 ET, Remaining extent of Swat 18091 ET, Portion 20, 10, and Remaining extent of farm Bavaria 9546 ET, Portion 20, 70 of farm the valleys 6558 ET, Portion 10 of farm Minorca 8584 ET, Portion 30, 20 and Remaining extent of Umzumbe mission station 4685 ET, Portion 20 and Remaining extent of farm Westlands 5829 ET, Portion 50 of farm Cherry Willingham park 9323 ET, Portion 1 of farm Vineyard 7259 ET, Portion 10 and Remaining extent of farm the Wolds 7746 ET, Portion 10 of farm Lot fa 1 6752 ET, portion 70, 120, 30, 1 of farm West Slopes 5828 ET, portion 50 of farm Cherry Willingham park 9323 ET, Remaining extent of farm Ndolu C 17563 ET, Remaining extent of farm Watershed B 10106 ET esifundazweni saKwaZulu-Natal esingaphakathi kweMagisterial District ye-Ugu (Port Shepstone).

Ukubhalisa njengegumbu elinentshisekelo futhi elintinkayo (i&As) noma ukucela eminye imininqwane mayelana nalo mbebenzi sicela ushukumane noLufuno Mutshathama ku-011 791 5032 noma nge-email ku-lufuno@joanprojects.co.za noma uPhindulo Ngovhani ku-011 791 5032 noma nge-email ku-phindulo@joanprojects.co.za.

ISAZISO ISAZISO SOKUBONISANA NGESICELO ESIFANELE SOKUHLOLA I-AFLI EXPLORATION 1 (PTY) LTD, ISICELO REF. CHA: KZN30/5/1/12/11349 PR.

Lesi saziso sinikezwa ngokwesigaba 16 (4)(b) soMthetho Wokuhluthukiswa Kwezimbini Ne-Petroleum, 2002 (umthetho No. 28 ka-2002) njengoba ushintshwa kanye neSigaba 24 soMthetho Kaswelonke Wokuphawisa Kwemvelo, 1998 (umthetho No. 107 ka-1998) olufundwe noMthethokambiso 40 kuya ku-44 weMigomo Yokuhlola Umthetho Wezemvelo, Isaziso Sohlu GNR 326 ka-2017, njengoba kulungiswa.

ISIZINDA SEPHEKTHI
 I-Afli Exploration 1 (Pty) Ltd ifake isicelo sokugunyazwa kwemvelo kwe-Prospecting Right ayamukelwe nge-Ref. Cha: KZN30/5/1/12/11349 PR nguMnyango wezimbini naMandla (DMRE), I-Afli Exploration 1 Ifuna iBhema le-Dimension Stone (General), i-Feldspar, i-Lithium Ore, i-Tantalum / i-Niobium Ore ne-Zinc Ore ngamapulazi amaningi atholakala cishe ngamakhilomitha angu-6.5 eNyakatho yePort Shepstone kanye ne-14.2 km eNthonalanga yedolobha laseHibberdene, ngaphakathi kwePort Shepstone Magisterial District kuMasipala WesiFunda sase-Ugu ngaphansi kukaMasipala WesiFunda waseRay Nkonyeni esiFundazweni saKwa-Zulu Natal, eNingizimu Afrika.

Indlela yokucabangela ezosentshenziswa ukubhobza, ukusebenzisa i-drill rig futhi akukho ukusampula ngobuningi okuzokwenziwa. Ukuthuthukiswa kuzobandakanya ngokuyinhloko ukubhobza ingqikithi yama-boreholes angamasturi amabili (2). I-borehole nginye izombiwa okufutshane cishe kwa-200m ngobubanzi obungamisa kuya ku-0.8 m kuya ku-1.5 m. Isayithi ngalinye izohlenganisa i-borehole ne-drill rig. Ama-cores abuyiswe azothathwa emgodini ngamunye we-borehole ukholola amaminerali alohliwe elaboretari.

Isicelo singaphansi kwentsuzo ye-Basic Assessment and Environmental Management Plan/Programme (BAR & EMP) kanti i-Draft BAR & EMP izohlakala ukuze ibuyekwe uma isilungise futhi icelwa. Ibhophi ye-Draft BAR & EMP nayo izobekwa ezindaweni ezivulekile ezinyeleteleka emphakathini ezizungeze indawo (lapho kungenzeka khona).

Wonke Amaqembu Anentshisekelo Futhi Athintekayo (i&As) ngalokhu ayamanywa ukuba abhalise njengoba enjalo, acele i-Draft BAR & EMP ukuze ibuyekwe futhi idluliselwe noma yimaphi amazwana mayelana nesicelo, Ukubhalisa noma ukucela eminye imininqwane sicela uxhumane noqokwa (EAP), Joan Consulting by Call ku-011 791 5032 NOMA Ilekhi ku: 086 235 5142 noma uthumele i-imeyili ku: lufuno@joanprojects.co.za noma ngeposi ku: PO Box 4147, Honeydew, 2040.

Amaqamba Epulazi: Redhili 8021 ET 2, 1, 5, 4, 6, Ballarat 8003 ET 1, 16, 15, RE, Armadale 7911 ET 1, 3, RE, Alexandria Native Location No 5 16041 ET 1, 2, 3, 4, 5, 6, 7, RE, Abengdigo 10003 ET 12, 3, 4, 5, 6, 7, 8, RE, Bude 9619 ET 2, 3, 4, RE, Denver 10406 ET 1, 2, 3, 4, 5, 6, Lot B French 10356 ET RE, Lucia 2628 ET 9, 24, Manor Grange 16593 ET, OG 8980 ET, Melbourne No 2 8159 ET 251, 295, 272, 5, 266, 1, 302, 309, 271, 273, 119, 118, Fairview 15590 ET 1, 46, 11, 18, 14, 41, 13, 32, 12, RE, Louisiana 3239 ET 130, 129, 131, 127, 46, 8, 9, 3, RE, Kloofend 9571 ET 2, RE, Remaining extent of the farm Sanderstead 15566 ET 49, 52, 53, 54, 55, 31, 48, 49, 43, 34, 33, 29, 28, 27, 26, 36, 56, 24, 38, 39, 57, 23, 61, RE, RE, 87, 60, 114, 110, Esher 9618 ET 3, RE, Mishack 9176 ET 1, 2, 3, 4, 5, RE, Joan 9220 ET 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 17, 18, 19, 21, 22, RE.

Kubungazwe olwamanesi

NGOLWESIHLANU zingu 12 kuMeyi 2023 kubungazwe usuku lwamanesi noma abahlengikazi emhlabeni wonke, i-International Nurses' Day ngaphansi kwesiqubulo esithi "Abahlengikazi bethu. Ikusasa lethu". Ngalesiqubulo aboMkhandlu wabahlengikazi emhlabeni, i-International Council of Nurses, bathi bahlose ukuqhuba imikhankaso emhlabeni wonke lapho becacisa khona ukuthi abahlengikazi abethu futhi bayikusasa lethu noma ngaphandle kwabo asikwazi ukuqhubeka siphile noma sibe nekusasa. Amanesi emhlabeni wonke kubikwa ukuthi una kuyiwa phambili kuyomele afunde amanye amasu namqhanga okulwa nezifo ezahlukene emhlabeni wonke ukuze agcine imiphakathi iphephile kuwo wonke amazwe. Lo suku lwamanesi lubungazwa ngezindlela

eziningi eNingizimu Afrika nasezibhedlela zendawo. Abanye balukhumbule ngokuthi bahlele imicimbi lapho abahlengikazi bebongwa khona ngokunakekela izimpilo zabantu. Kulemicimbi baphinde bakhuthazwe ngemiklomelo ukuthi baqhubeke nokulengisa izimpilo zabantu. Ezinye izikhungo zempi zilubungazwa yonke iminyaka lo suku lwabahlengikazi bezempilo kanti ngonyaka ofile nesibhedlela iMurchison District saba nomcimbi wokubungaza lolu suku. UMphathi wesibhedlela, uMnuz Edwin Manyokole wahlonipha abahlengikazi abenza kahle nabahlonipha umsebenzi wabo. Laba bahlengikazi wabakomelisa ngezetifiki. Onesi baphinde bazibophezela ezifungweni zabo zokulengisa iziguli nokubeka impilo yabantu phambili kuko konke abakwenzayo.



Emcimbini wokubungaza usuku lwamanesi esibhedlela iMurchison District ngonyaka ofile, ophakathi esithombeni uMphathi wesibhedlela uMnuz Edwin Manyokole ekomelisa omunye unompilo owenze kahle.



Baningi onesi abakloniyeliswa ngemisebenzi yabo emihle eminyangweni yabo esibhedlela iMurchison District ngonyaka ofile kubungazwa usuku lwamanesi.



At a lunch hosted by the South Coast Chamber of Commerce and Industry Sharks are (from left) Muller du Plessis, Jaden Hendrikse, Dr Lulamile Bodla, Curwin Bosch, Pastor Reggie John, Shamin Maharaj, Geoff Howard-Tripp and Noel Coetzee.

'Big business' at Sharks sports lunch

Precious Gumede
preciousg@tdn.co.za

The South Coast Chamber of Commerce and Industry (SCCCI) in partnership with the Rotary Club of Port Shepstone hosted a Business in Sports lunch at the Ugu Sports and Leisure Centre last Friday.

The aim was to highlight business opportunities in sports, particularly as the Cell C Sharks visited the South Coast after an invite and partnership with the KwaZulu-Natal Rugby Union (KZNRU).

The Sharks were invited to launch a transformation programme, aimed at developing rugby in the area.

SCCCI vice-chairperson, Reshma Maharaj said sports in business is 'big' business. She said the focus is networking with the right partners or investors.

"We hope that this initiative will create many opportunities locally. We applauded the transformation committee for a successful launch and we look forward to working with them."

Ugu's acting mayor, Cllr Mandla Chiya said he is grateful that the Sharks have shown

interest in working with youth and clubs from the Ugu District.

"This partnership will help us grow and maintain our sports centre which over the years started to become a 'white elephant'. Recently we had some maintenance done on the sports field which was built for the 2010 Soccer World Cup."

Dr Lulamile Bodla, coordinator of the transformation programme, as part of the KZNRU said more will be done at the centre.

"We are in discussions with the municipality and the local sporting committee to have a fully functional gym. Once it has been finalised, gym equipment will be delivered," he said



Curwin Bosch, Reshma Maharaj (SCCI) Muller du Plessis and Jaden Hendrikse.

PUBLIC NOTICES

PAGES

19 - 23

BALENO

FROM **R4409** PM*

039 682 2510

*Terms & Conditions apply
For more info visit www.suzuki.co.za

CONSULTATION NOTICE FOR A PROSPECTING RIGHT APPLICATION BY AFLI EXPLORATION1 (PTY) LTD

(REFERENCE NO: KZNSO/5/1/12/11361PR)

Notice is given in terms of section 16 (4) (b) and 102 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA) as amended read with regulations 40 to 44 of the environmental impact assessment regulations of 2014 as amended ("NEMA").

AFLI EXPLORATION 1 (PTY) LTD has lodged an application for a Prospecting Right on the following farms: Remaining extent of farm Esher 9818 ET, Remaining extent of farm Sub A of Bownmouth 10851 ET, Remaining extent of farm Umbogolwane 9685 ET, Remaining extent of farm Trankland no 2 9598 ET, Remaining extent of farm Quabi 9233 ET, Remaining extent of Qwabe 17563 ET, Remaining extent of farm Sub A of Italia 9534 ET, portion 10, 20, 30, 40, 80, 90, 120, 50, 70, 100, 80 of farm Hudson 17322 ET, Portion 20, 10, 90, 100, 50, 40, 30 and Remaining extent of farm Lot X 5715 ET, Portion 50, 10, 20, 30, 40 and Remaining extent of farm Golden gate 9231 ET, Portion 140, 100, 110, 51, 80, 90, 10 and Remaining extent of farm Endymion 16558 ET, Portion 70, 80, 90, 80, 50, 40, 30 and Remaining extent of farm Poplar vale 9102 ET, Portion 10, 80, 70, 20, 30, 60, 50, 90, 40 of farm Italia C 12423 ET, Remaining extent of Swat 16091 ET, Portion 20, 10, and Remaining extent of farm Bavaria 9546 ET, Portion 20, 70 of farm the valleys 6559 ET, Portion 10 of farm Minorca 8584 ET, Portion 30,20 and Remaining extent of Umzambe mission station 4685 ET, Portion 20 and Remaining extent of farm Westlands 5829 ET, Portion 50 of farm Cherry Willingham park 9323 ET, Portion 1 of farm Vineyard 7259 ET, Portion 10 and Remaining extent of farm the Wolds 7748 ET, Portion 10 of farm Lot fa 1 6762 ET, portion 70, 20, 120, 30, 1 of farm West Slopes 5828 ET, portion 50 of farm Cherry Willingham park 9323 ET, Remaining extent of farm Ndoku C 17563 ET, Remaining extent of farm Watershed B 10106 ET in KwaZulu-Natal province situated within the Magisterial District of uGu (Port Shepstone).

The minerals which are being applied for include: Dimension stone (general), Feldspars, Lithium ore, Tantalum/ niobium ore and Zinc.

To register as an interested and affected party (I&As) or to request more information regarding the project please contact Lufuno Mutshathama on 011 791 5032 or by email on lufuno@joanprojects.co.za or Phindulo Mugovhani on 011 791 5032 or by email on phindulo@joanprojects.co.za.

MUNICIPAL NOTICE 086 OF 2023
BID NO: 8/2/RNM0432

SUPPLY AND DELIVERY OF HEAVY-DUTY FOLDING TABLES AND HEAVY-DUTY PLASTIC CHAIRS.

RAY NKONYENI
"The Game changer of South Coast Development"

Ray Nkonyeni Municipality hereby invites bids for the Supply and delivery of heavy-duty folding tables and heavy-duty plastic chairs. Bid documents can be downloaded on www.etenders.gov.za or www.mmm.gov.za from Friday 19 May 2023.

Bidders to submit two (02) copies of the bid document together with the original bid document, bidders that fail to submit copies will be disqualified. Fully completed Bid documents must be submitted in a sealed envelope, clearly marked "Supply and delivery of heavy-duty folding tables and heavy-duty plastic chairs" and must be deposited in the Bid box at the Municipal offices at 10 Connor Street, Port Shepstone, no later than **12:00 on Monday, 19 June 2023**, after which all Bids will be opened in public. The B020 preference point system shall be applicable during the evaluation and adjudication of this Bid proposal.

B-BBEE Status Level of Contributor	Verification	Number of Points for Preference
	SANAS-approved BBBEE certificate or sworn affidavit.	
1		10
2		9
3		8
4		6
5		4
6		3
7		2
8		1
Non-compliant contributor		0

Promotion of local businesses	Verification	Points allocation
<ul style="list-style-type: none"> • Enterprise located within Ray Nkonyeni Municipality = 100 % = 10 points • Enterprise located within Ugu District Municipality = 50 % = 5 points • Enterprise located within KZN Province = 25 % = 3 points 	Letter from Councillor confirming locality of Company or Existing RNM-based Lease Agreement confirming locality of company	10

Method 2: Financial Offer and Preference points
Breakdown: Preference points

Scoring for preference points is to be calculated using the following guide:
Where:

In line with the objectives of the Ray Nkonyeni Municipality Preferential Procurement Policy (2022/2023), it is the intention of Council to promote local economic development and increase participation by Small, Medium and Micro Enterprises (SMMEs) in the municipality's procurement processes. Further, in alignment with that, bids in this instance are to be considered using **Preference Goal 4**, which is the combination of Broad-Based Black Economic Empowerment Scorecard (B-BBEE) and Reconstruction & Development Programme (RDP), which will be assessed as follows.

B-BBEE Status Level of Contributor	Verification	Number of Points for Preference
	SANAS-approved BBBEE certificate or sworn affidavit.	
1		10
2		9
3		8
4		5
5		4
6		3
7		2
8		1
Non-compliant contributor		0

Promotion of local businesses	Verification	Points allocation
<ul style="list-style-type: none"> • Enterprise located within Ray Nkonyeni Municipality = 100 % = 10 points • Enterprise located within Ugu District Municipality = 50 % = 5 points • Enterprise located within KZN Province = 25 % = 3 points 	Letter from Councillor confirming locality of Company or Existing RNM-based Lease Agreement confirming locality of company	10

NOTE TO BIDDERS ON PRE-CONDITIONS OF THE BID:

- The Supply Chain Management Policy of Ray Nkonyeni Municipality will apply. The Council reserves the right not to accept the lowest bid or any bid and reserves the right to accept the whole or part of the bid, or to reject all bids and cancel the notice to bid;
- Only service providers registered in the Central Supplier Database (CSD) will be considered, attach proof of registration failure to attach will result in your bid not evaluated further;
- Members or Directors of Companies or Service Providers who are state employees are not allowed to bid or quote;
- Unsuccessful bidders will be informed of the Bid outcome through the Municipal website.
- Aggrieved unsuccessful bidders will be allowed to lodge, within fourteen (14) days of the decision or action, a written objection or complaint to the Office of the Municipal Manager through email, mm@mmm.gov.za or fax number 0865297195. Complaints or objections received after fourteen (14) days of the date of the notice will not be entertained; and
- The original bid document plus TWO extra (02) copies must be submitted, failure to submit two copies will result in disqualification.
- Bids submitted are to be valid for a period of **120 days**.

KJ ZULU
MUNICIPAL MANAGER
P O Box 5
PORT SHEPSTONE, 4240



APPENDIX B2
SITE NOTICES

CONSULTATION NOTICE FOR A PROSPECTING RIGHT APPLICATION BY AFLI EXPLORATION 1 (PTY) LTD
(REFERENCE NO: ZZN30/5/1/2/11361PR)

Notice is given in terms of section 16 (4) (b) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) as amended and section 24 of the National Environmental Management Act, read with Regulations 40 to 44 of the Environmental Impact Assessment Regulations of 2014 as amended (NEMA).

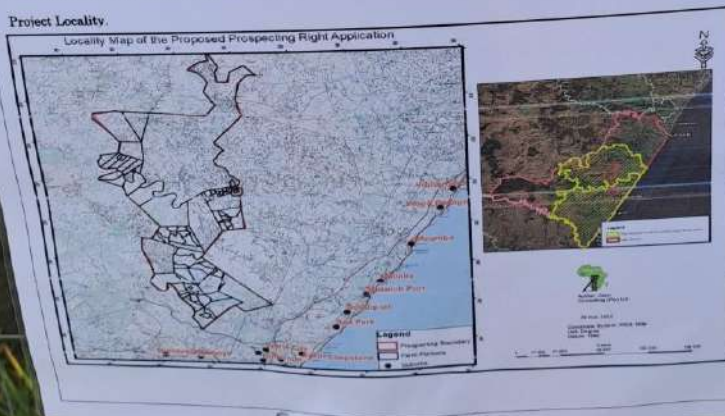
Project Background

AFLI EXPLORATION 1 (PTY) LTD has lodged an application for a Prospecting Right on the following farms: Remaining extent of farm Esheer 9618 ET, Remaining extent of farm Sub A of Bowmanmouth 10851 ET, Remaining extent of farm Umbogelwane 9685 ET, Remaining extent of farm Trankland no 2 9598 ET, Remaining extent of farm Quabi 9233 ET, Remaining extent of Qwabe 17553 ET, Remaining extent of farm Sub A of Italia 9534 ET, portion 10, 20, 30, 40, 80, 90, 120, 50, 70, 100, 60 of farm Hudson 17322 ET, Portion 20, 10, 90, 100, 50, 40, 30 and Remaining extent of farm Lot X 5715 ET, Portion 50, 10, 20, 30, 40 and Remaining extent of farm Golden gate 9231 ET, Portion 140, 100, 110, 51, 80, 90, 10 and Remaining extent of farm Endymion 16558 ET, Portion 70, 60, 90, 80, 50, 40, 30 and Remaining extent of farm Esplar vale 9102 ET, Portion 10, 80, 70, 20, 30, 60, 50, 90, 40 of farm Italia C 12423 ET, Remaining extent of Swai 16501 ET, Portion 20, 10, and Remaining extent of farm Bavaria 9546 ET, Portion 20, 70 of farm the valleys 6558 ET, Portion 10 of farm Minorca 8584 ET, Portion 30,20 and Remaining extent of Umzumbe mission station 4685 ET, Portion 20 and Remaining extent of farm Westlands 5829 ET, Portion 50 of farm Cherry Willingham park 9323 ET, Portion 1 of farm Vineyard 7259 ET, Portion 10 and Remaining extent of farm the Wolds 7746 ET, Portion 10 of farm Lot fa 1 6752 ET, portion 70, 20, 120, 30,1 of farm West Slopes 5828 ET, portion 60 of farm Cherry Willingham park 9323 ET, Remaining extent of farm Ndela C 17563 ET, Remaining extent of farm Watershed B 10106 ET.

The minerals which are being applied for include: Dimension stone (general), Feldspar, Lithium ore, Tantalum/niobium ore and Zinc. The proposed site is located approximately 107km South of Durban and approximately 12km North of Port Shepstone within the Magisterial District of uGu (Port Shepstone).

For more information regarding the project and to register as an interested and affected party, kindly contact Lufuno Mutshathama at 073 912 0800/076 195 1124/011 791 5032 or Phindulo Mugovhani on 011 791 5032 or you can alternatively email us at Lufuno@joanprojects.co.za /phindulo@joanprojects.co.za.

Project Locality



GPS Map Camera

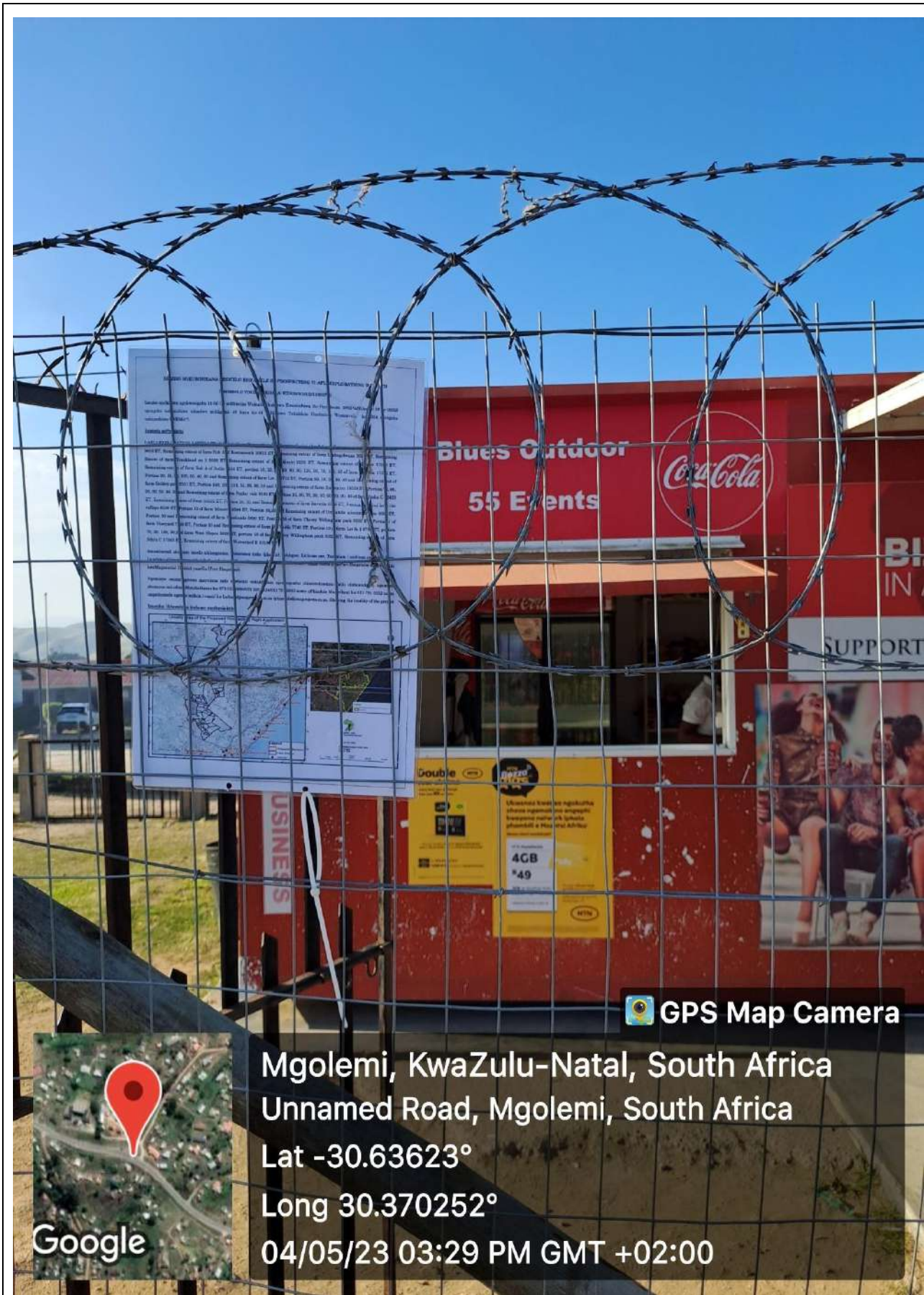


Mgolemi, KwaZulu-Natal, South Africa
Unnamed Road, Mgolemi, South Africa

Lat -30.625178°


Long 30.362718°

04/05/23 03:55 PM GMT +02:00



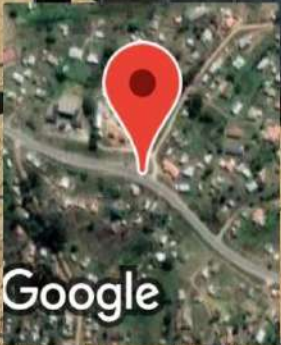
UNNAMED ROAD, MGOLEMI, KWAZULU-NATAL, SOUTH AFRICA

UNNAMED ROAD, MGOLEMI, KWAZULU-NATAL, SOUTH AFRICA



 **GPS Map Camera**

Mgolemi, KwaZulu-Natal, South Africa
Unnamed Road, Mgolemi, South Africa
Lat -30.63623°
Long 30.370252°
04/05/23 03:29 PM GMT +02:00



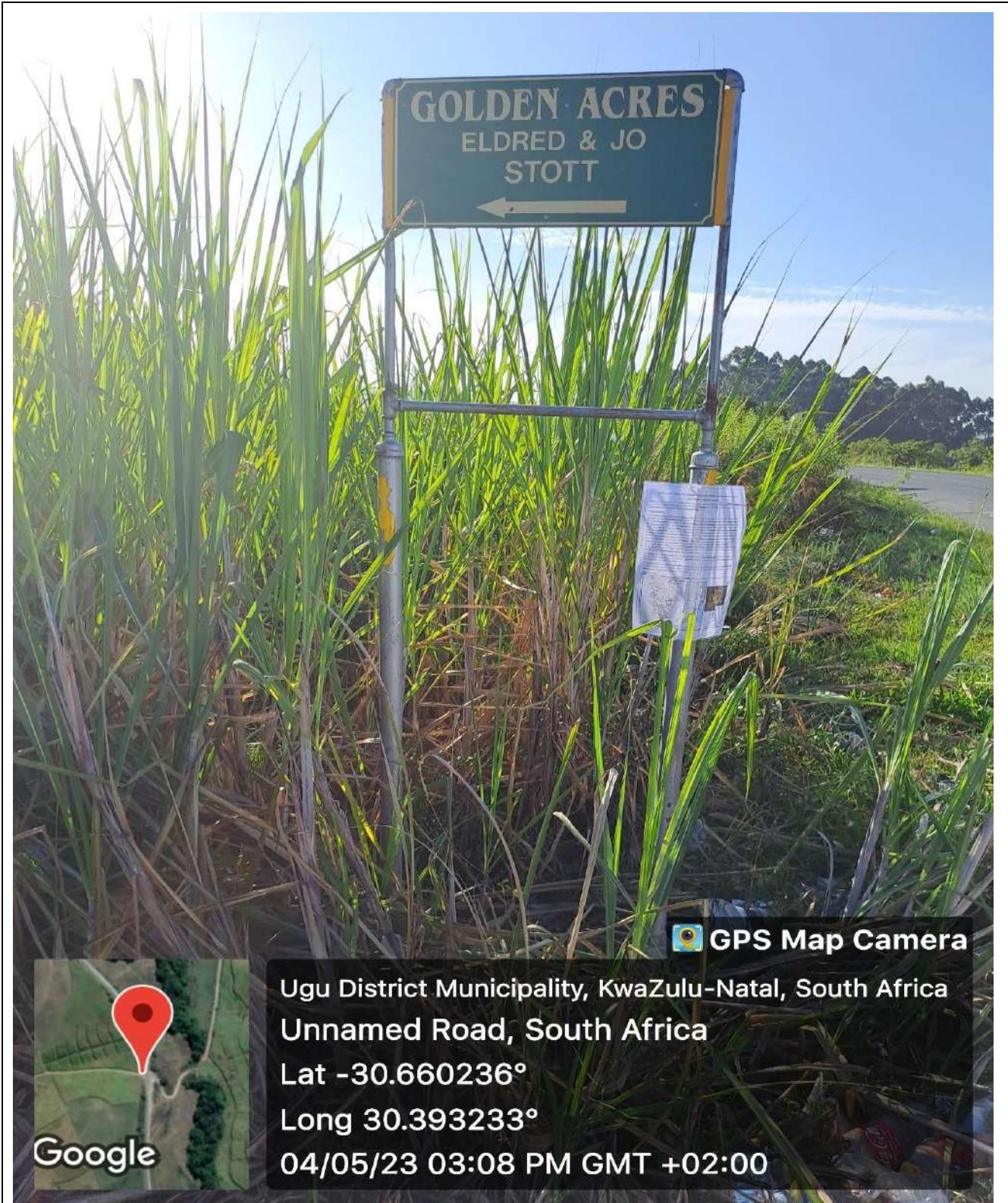


ROSSMIN

 **GPS Map Camera**



Ugu District Municipality, KwaZulu-Natal, South Africa
Unnamed Road, South Africa
Lat -30.653706°
Long 30.389077°
04/05/23 03:16 PM GMT +02:00



 **GPS Map Camera**



Google

Ugu District Municipality, KwaZulu-Natal, South Africa
Unnamed Road, South Africa
Lat -30.660236°
Long 30.393233°
04/05/23 03:08 PM GMT +02:00



 **GPS Map Camera**



Mgolemi, KwaZulu-Natal, South Africa
Unnamed Road, Mgolemi, South Africa
Lat -30.63466°
Long 30.36577°
04/05/23 03:42 PM GMT +02:00



APPENDIX B3

NOTIFICATION LETTERS



073 912 0800
011 791 5032
Lufuno@joanprojects.co.za
Fax : 086 235 5142
No 9 Lorie Road
Randburg, 2156

THE CHAIRPERSON
UMZUMBE FARMERS ASSOCIATION

Dear Sir/Madam,

CONSULTATION NOTICE FOR PROSPECTING RIGHT APPLICATIONS IN TERMS OF SECTION 16(4)b OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 AND SECTION 24 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, (ACT NO 107 OF 1998) READ WITH REGULATION 40 TO 44 OF THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF 2014.

Notice is given in terms of Section 16 (4) (b) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) as amended and Section 24 of the National Environmental Management Act, 1998 (Act No 107 of 1998) read with Regulation 40 to 44 of the Environmental Impact Assessment Regulations Listing Notice GNR 326 of 2014.

Prospecting rights for Lithium, Feldspar, Tin, Tantalum, Zinc, and Dimension stones has been applied by each of the following companies with the reflected respective DMRE reference numbers.

1. AFLI Exploration 1 (PTY) LTD : KZN 30/5/1/1/2/11349 PR
2. AFLI Exploration 1 (PTY) LTD : KZN 30/5/1/1/2/11361 PR
3. AFLI Exploration 2 (PTY) LTD : KZN 30/5/1/1/2/11351 PR
4. AFLI Exploration 3 (PTY) LTD : KZN 30/5/1/1/2/11352 PR
5. AFLI Exploration 4 (PTY) LTD : KZN 30/5/1/1/2/11370 PR

The proposed project areas are situated within the Ugu district in the KwaZulu Natal province.

You have been identified as the interested and affected party because you are the farmer's association of the impacted areas. Hence this notice communicate.

In addition to the purpose of notification, this letter serves to request your organisation to share this notice with your members. The POPIA act makes it impossible to get the contact details of the relevant land owners and this makes it difficult to contact the landowners before visiting their properties. We request that you share this notice with them and ask that they contact us or send us their cell numbers and email addresses so we can discuss the projects further.

The farm properties impacted by the 5 applications are reflected as Annexure 1 to 5 of this letter.

The contact details are as follows: Lufuno Mutshathama on 0739120800/ 0117915032/ email: Lufuno@joanprojects.co.za / Fax: 086 235 5142/ post to PO Box 4147, Honeydew, 2040.

NB: WhatsApp is welcome

Yours Faithfully



L.P Mutshathama

ANNEXURE 1

Company Name : AFLI Exploration 1 (PTY) LTD

DMRE reference number: KZN 30/5/1/1/2/11349 PR

Farm name
Portions 251, 295,272,5,266,1, 302,303,271,273,119 and 118 of the farm MELBOURNE NO 2 8159 ET
Portions 1, 46,11,18,14,41,13,32 and 12 of the farm FAIRVIEW 15590 ET
Remaining extent, Portions 130, 129,131,127,46, 8,9 and 3 of the LOUISIANA 3239 ET
The remaining extent, Portions 49, 52, 53, 55, 31, 48, 49, 43, 34,33,29, 28, 27,26,36,56,24,38,39,57,23,61, the remaining extent of portion 14, portion 87, 60, 114,110 of the farm SANDERSTEAD 15566 ET
Portion 1,2,4,5,6 of the farm REDHILL 8021 ET
Portion 1,16,15 and remaining extent of the farm BALLARAT 8003 ET
Portion 1,3 and the remaining extent of the farm ARMADALE 7911 ET
Portion 1,33,4,5,6,7 and the remaining extent of the farm ALEXANDRA NATIVE LOCATION NO 5 16461 ET
Portion 12,3,4,5,6,7,8 and the remaining extent of the farm ABEDNIGO 10003 ET
Portion 2,3,4 and the remaining extent of the farm BUDE 9619 ET
Portion 1,2,3,4,5 of the farm DENVER 10406 ET
Portion 3and remining extent of the farm ESHER 9618ET
Portion 1,2,3,4,5 and remaining extent of the farm MISHACK 9176 ET
Portion1,2,3,4,5,6,7,8,9,10,11,12,13,17,18,19,21,22 and remaining extent of the farm JOAN 9220ET
Remaining extent of the farm LOT B FRENCH 10356
Portion 2 and remaining extent of the farm KLOOFEND 9571 ET
Portion 9 and 24 of the farm LUCAS 2626 ET

ANNEXURE 2

Company Name: AFLI Exploration 2 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11351 PR

Farm Names
RE and portions 1,4,6,7,24,25 of the Farm CYRILSFORD 4218 ET
Portion 14, 15, 17, 18 of farm MGAI 16801 ET
Remaining extent of farm LOT A IFAFA 3833 ET
Remaining extent of farm BLAKE 4212 ET
Remaining Extent of farm DEVERELL'S PEAK 4214 ET

ANNEXURE 3

Company name: AFLI Exploration 3 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11352 PR

Farm Names
Portions 5,8,9,11,12,24,25,31,34,36 of farm EQUEEFA 17559 ET
Portion 1 of farm EQUEEFA 2162 ET
Remaining extent of farm UMZINTO RIVER DAM 15572 ET
Remaining extent of farm CROOKES 17407 ET
Portion 5 of farm UMZINTO SUGAR CO 1403 ET

ANNEXURE 4

Company Name: AFLI Exploration 1 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11361 PR

Farm Names
Remaining extent of farm ESHER 9618 ET
Remaining extent of farm NDELU C 17563 ET
Remaining extent of farm SUB A OF BOWNMOUTH 10851 ET
Remaining extent of farm OGDEN 15060 ET
Remaining extent of farm UMB OGOLWANE 9685 ET
Remaining Extent of farm TRANKLAND NO 2 9598 ET
Remaining extent of farm QUABI 9233 ET
Remaining extent of QWABE 17553 ET
Remaining extent of farm WATERSHED B 10106 ET
Remaining extent of farm SUB A OF ITALIA 9534 ET
portion 1, 2, 3, 4,5,6,7,8,9,10,12 of the farm HUDSON 17322 ET
Portion 1,2,3,4,5,9,10 and Remaining extent of farm LOT X 5715 ET
Portion 1,2,3,4,5 and Remaining extent of farm GOLDEN GATE 9231 ET
farm ENDYMION 16558 ET
farm CHERRYWILLINGHAM PARK 9323 ET
farm POPLAR VALE 9102 ET
Portion 1,2,3,4,5,6,7,8,9 of farm ITALIA C 12423 ET
Remaining extent of SWAT 16091 ET
Portion 7, 2, 12, 3,1 of farm WEST SLOPES 5828 ET
Portion 1,2, portion of portion 3, and Remaining extent of farm BAVARIA 9546 ET
Portion 2& 7 of farm THE VALLEYS 6558 ET

Portion 10 of farm MINORCA 8584 ET
Portion 2,3 and Remaining extent of UMZUMBE MISSION STATION 4685 ET
Portion 2 and Remaining extent of farm WESTLANDS 5829 ET
Portion 50 of farm CHERRYWILLINGHAM PARK 9323 ET
Portion 1 of farm VINEYARD 7259 ET
Portion 10 of farm LOT FA 1 6752 ET
Portion 1 of farm SEAFIELD 17474 ET
Portion 10 of farm LOT 5 4919 ET
Portion 10 and Remaining extent of farm THE WOLDS 7746 ET

ANNEXURE 5

Company name: AFLI Exploration 4 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11370 PR

FARM NAMES
Remaining Extent, portion 1, 2,3,4,7,8,9 of the farm VIRGO 14838 ET
Portion 1 of UNDWENDWA 5621 ET
Remaining Extent and portion 1 of the farm THE TOPS 6910 ET
Remaining Extent and portion 3 of the farm THE SIDES 6082 ET
Remaining Extent, portion 1,2,3,4 of the farm THE GLEN B 7147 ET
THE GLEN B 7147 ET
THE GLEN A 6500ET
Remaining Extent/portion 0, portion 1 and 3 of the farm THE BUSHES 5470 ET
Remaining Extent, portion 0,1, 2,3,4,5,9,10 SIMUMA 11486 ET
Remaining extent of Portion 1,2,3,4,5,9,10,11,20 of the farm SIMUMA 11486 ET
Remaining extent of SEAFIELD 17474 ET

FARM NAMES**OGDEN 15060 ET**Portion 2&4 of the farm **NEW BOLTON 2141 ET**Remaining extent, portion 1,3,4,5,6,7, remaining extent of portion 8,10, remaining extent of portion 11,12 13, 16,17,18,19,20 of the farm **LYNWOOD 11485 ET**Remaining extent and portion 1 of the farm **LOT FN 6319 ET****LOT FA 3 5997 ET**Portion 1,&8 of the farm **LOT 6 5018 ET**Portion 1 of farm **LOT 6 5018 ET**Portion 1,2,3, 4,5,6,7,8, 10,13,19,20,21,22 of the farm **LOT 5 4919 ET**Remaining extent, portion 1&2 of the farm **LOT 21 ORIBI FLATS 10885 ET**Remaining extent, portion 2,3,4,5 of the farm **HEBRON 5876 ET****FOREST 6957 ET****FACTORY 16031ET**Portion 1,2,3,4,5,6,7,8,9 of the farm **EEDESWOLD 5120 ET**Portion 1 of the farm **EAST SLOPES 5827 ET****RE/18364 ET**



073 912 0800
011 791 5032
Lufuno@joanprojects.co.za
Fax : 086 235 5142
No 9 Lorie Road
Randburg, 2156

THE HONORABLE CHIEF

NDABEZITHA MADLALA

Dear Sir,

CONSULTATION NOTICE FOR PROSPECTING RIGHT APPLICATIONS IN TERMS OF SECTION 16(4)b OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 AND SECTION 24 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, (ACT NO 107 OF 1998) READ WITH REGULATION 40 TO 44 OF THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF 2014.

Notice is given in terms of Section 16 (4) (b) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) as amended and Section 24 of the National Environmental Management Act, 1998 (Act No 107 of 1998) read with Regulation 40 to 44 of the Environmental Impact Assessment Regulations Listing Notice GNR 326 of 2014.

Prospecting rights for Lithium, Feldspar, Tin, Tantalum, Zinc, and Dimension stones has been applied by each of the following companies with the reflected respective DMRE reference numbers.

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2. AFLI Exploration 1 (PTY) LTD : KZN 30/5/1/1/2/11361 PR
3. AFLI Exploration 2 (PTY) LTD : KZN 30/5/1/1/2/11351 PR
4. AFLI Exploration 3 (PTY) LTD : KZN 30/5/1/1/2/11352 PR
5. AFLI Exploration 4 (PTY) LTD : KZN 30/5/1/1/2/11370 PR

The proposed project areas are situated within the Ugu district in the KwaZulu Natal province.

You have been identified as the interested and affected party because you are the Traditional Leader of some of the areas under application. Hence this communique.

In addition to the purpose of notification, this letter serves to

1. request your audience to show you the land parcels involved in order to get advise on which land you reign over.
2. Request information of traditional leaders who reign over the other properties as well as be introduced to them.
3. Request a meeting with the mining committee and a community at a near future. organisation to share this notice with your members.

The farm properties impacted by the 5 applications are reflected as Annexure 1 to 5 of this letter.

For enquiries, please contact Lufuno Mutshathama on 0739120800/ 0117915032/ email: Lufuno@joanprojects.co.za / Fax: 086 235 5142/ post to PO Box 4147, Honeydew, 2040.

Yours Faithfully



L.P Mutshathama

ANNEXURE 1

Company Name : AFLI Exploration 1 (PTY) LTD

DMRE reference number: KZN 30/5/1/1/2/11349 PR

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Remaining extent, Portions 130, 129,131,127,46, 8,9 and 3 of the LOUISIANA 3239 ET
The remaining extent, Portions 49, 52, 53, 55, 31, 48, 49, 43, 34,33,29, 28, 27,26,36,56,24,38,39,57,23,61, the remaining extent of portion 14, portion 87, 60, 114,110 of the farm SANDERSTEAD 15566 ET
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Company Name: AFLI Exploration 2 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11351 PR

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Company name: AFLI Exploration 3 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11352 PR

Farm Names
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Portion 1 of farm EQUEEFA 2162 ET
Remaining extent of farm UMZINTO RIVER DAM 15572 ET
Remaining extent of farm CROOKES 17407 ET
Portion 5 of farm UMZINTO SUGAR CO 1403 ET

ANNEXURE 4

Company Name: AFLI Exploration 1 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11361 PR

Farm Names
Remaining extent of farm ESHER 9618 ET
Remaining extent of farm NDELU C 17563 ET
Remaining extent of farm SUB A OF BOWNMOUTH 10851 ET
Remaining extent of farm OGDEN 15060 ET
Remaining extent of farm UMBOGOLWANE 9685 ET
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Portion 1,2,3,4,5,6,7,8,9 of farm ITALIA C 12423 ET
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Portion 7, 2, 12, 3,1 of farm WEST SLOPES 5828 ET
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Portion 10 of farm LOT FA 1 6752 ET
Portion 1 of farm SEAFIELD 17474 ET
Portion 10 of farm LOT 5 4919 ET
Portion 10 and Remaining extent of farm THE WOLDS 7746 ET

ANNEXURE 5

Company name: AFLI Exploration 4 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11370 PR

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Portion 1 of UNDWENDWA 5621 ET
Remaining Extent and portion 1 of the farm THE TOPS 6910 ET
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Remaining Extent/portion 0, portion 1 and 3 of the farm THE BUSHES 5470 ET
Remaining Extent, portion 0,1, 2,3,4,5,9,10 SIMUMA 11486 ET
Remaining extent of Portion 1,2,3,4,5,9,10,11,20 of the farm SIMUMA 11486 ET
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FARM NAMES**OGDEN 15060 ET**Portion 2&4 of the farm **NEW BOLTON 2141 ET**Remaining extent, portion 1,3,4,5,6,7, remaining extent of portion 8,10, remaining extent of portion 11,12 13, 16,17,18,19,20 of the farm **LYNWOOD 11485 ET**Remaining extent and portion 1 of the farm **LOT FN 6319 ET****LOT FA 3 5997 ET**Portion 1,&8 of the farm **LOT 6 5018 ET**Portion 1 of farm **LOT 6 5018 ET**Portion 1,2,3, 4,5,6,7,8, 10,13,19,20,21,22 of the farm **LOT 5 4919 ET**Remaining extent, portion 1&2 of the farm **LOT 21 ORIBI FLATS 10885 ET**Remaining extent, portion 2,3,4,5 of the farm **HEBRON 5876 ET****FOREST 6957 ET****FACTORY 16031ET**Portion 1,2,3,4,5,6,7,8,9 of the farm **EEDESWOLD 5120 ET**Portion 1 of the farm **EAST SLOPES 5827 ET****RE/18364 ET**



073 912 0800
011 791 5032
Lufuno@joanprojects.co.za
Fax : 086 235 5142
No 9 Lorie Road
Randburg, 2156

To: The land owner/lawfully occupier

CONSULTATION NOTICE FOR AFLI EXPLORATION 1 (PTY) LTD PROSPECTING RIGHT APPLICATION, IN TERMS OF SECTION 16 (4) (b) OF THE MPRDA, 2002 (ACT NO. 28 OF 2002).

Notice is given in terms of section 16 (4) (b) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) as amended and Regulations 40 to 44 of the Environmental Impact Assessment Regulations Notes GNR 326 of 2014 ("NEMA").

AFLI EXPLORATION 1 (PTY) LTD has lodged an application for a Prospecting Right on the following farms: Remaining extent of farm Esher 9618 ET, Remaining extent of farm Sub A of Bownmouth 10851 ET, Remaining extent of farm Umbogolwane 9685 ET, Remaining Extent of farm Trankland no 2 9598 ET, Remaining extent of farm Quabi 9233 ET, Remaining extent of Qwabe 17553 ET, Remaining extent of farm Sub A of Italia 9534 ET, portion 10, 20, 30, 40, 80, 90, 120, 50, 70, 100, 60 of farm Hudson 17322 ET, Portion 20, 10, 90, 100, 50, 40, 30 and Remaining extent of farm Lot X 5715 ET, Portion 50, 10, 20, 30, 40 and Remaining extent of farm Golden gate 9231 ET, Portion 140, 100, 110, 51, 80, 90, 10 and Remaining extent of farm Endymion 16558 ET, Portion 70, 60, 90, 80, 50, 40, 30 and Remaining extent of farm Poplar vale 9102 ET, Portion 10, 80, 70, 20, 30, 60, 50, 90, 40 of farm Italia C 12423 ET, Remaining extent of Swat 16091 ET, Portion 20, 10, and Remaining extent of farm Bavaria 9546 ET, Portion 20, 70 of farm the valleys 6558 ET, Portion 10 of farm Minorca 8584 ET, Portion 30,20 and Remaining extent of Umzumbe mission station 4685 ET, Portion 20 and Remaining extent of farm Westlands 5829 ET, Portion 50 of farm Cherry Willingham park 9323 ET, Portion 1 of farm Vineyard 7259 ET, Portion 10 and Remaining extent of farm the Wolds 7746 ET, Portion 10 of farm Lot fa 1 6752 ET, portion 70, 20, 120, 30,1 of farm West Slopes 5828 ET, portion 50 of farm Cherry Willingham park 9323 ET, Remaining extent of farm Ndelu C 17563 ET, Remaining extent of farm Watershed B 10106 ET located within the Port Shepstone area in KwaZulu-Natal province situated



073 912 0800
011 791 5032
Lufuno@joanprojects.co.za
Fax : 086 235 5142
No 9 Loene Road
Randburg, 2156

within the Magisterial District of uGu (Port Shepstone). The minerals which are being applied for include: Dimension stone (general), Feldspar, Lithium ore, Tantalum/niobium ore and Zinc.

You have been identified as an interested and affected party since you own one the farm/s under application and you are hereby invited to participate in this application process by registering as an interested and affected party (I&Aps). A draft Basic Assessment will be sent to you for review and comments when it is ready.

In addition to this notification letter, we would also like to:

- Request for access to your land for environmental impact assessments. This exercise involves walking your property and observing the natural and socio-economic status to ensure that accurate, precise information that will be sent to the Department of Mineral Resources and Energy is obtained and will allow the Department to make informed decisions regarding the project. Kindly note that we will **NOT** be getting inside your houses. The survey is for the overall environmental and socio-economic assessment of your property.

For more information regarding the project and to register as an interested and affected party, kindly contact Lufuno Mutshathama at 073 912 0800/076 105 1124/011 791 5032 or Phindulo Mugovhani on 011 791 5032 or you can alternatively email us at Lufuno@joanprojects.co.za /phindulo@joanprojects.co.za.

Yours Faithfully,

Mutshathama Lufuno

Date: May 2023



APPENDIX B4

BACKGROUND INFORMATION DOCUMENT (BID)

BACKGROUND INFORMATION DOCUMENT

**FOR
THE PROSPECTING RIGHT APPLICATION
BY
AFLI EXPLORATION 1 (PTY) LTD**

APPLICANT NAME	DMRE REFERENCE NUMBER
AFLI EXPLORATION 1 (PTY) LTD	KZN30/5/1/1/2/11361PR

DATE: May 2023

PRESENTED BY



1. BACKGROUND OF THE OPERATION

AFLI Exploration 1 (Pty) Lt have applied for prospecting right for Lithium, Feldspar, Tin, Tantalum, zinc, and Dimension stone (General) on the farms (See attached Annexure 1) in the magisterial district of Port Shepstone under Ray Nkonyeni Local Municipality.

The applications are assigned with the following DMRE Reference.

APPLICANT NAME	DMRE REFERENCE NUMBER
AFLI EXPLORATION 1 (PTY) LTD	KZN30/5/1/1/2/11361PR

Joan Consulting Pty (Ltd) has been appointed as the independent Environmental Assessment Practitioner (EAP) to undertake and facilitate all processes required for these applications. The process to be followed to obtain the environmental authorisation for these applications is the Basic Assessment process.

Project Locality

The project **KZN30/5/1/1/2/11361 PR**, is situated in approximately 15km from Port Shepstone town and approximately 30 km from northwest of Hibberdene.

Figure 1 depicts the locality of the site in relation to the surrounding towns/ residential areas.

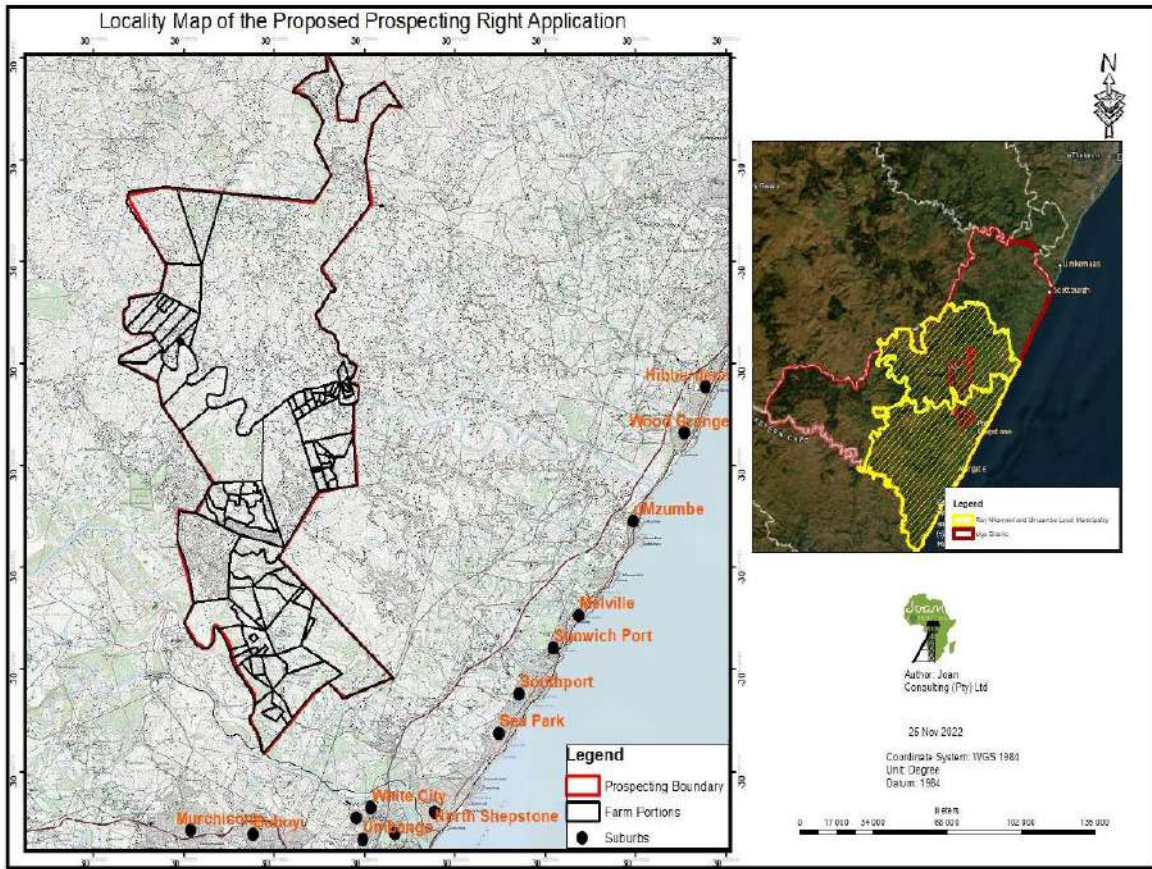


Figure 1: Locality Map of Application KZN 11361 PR

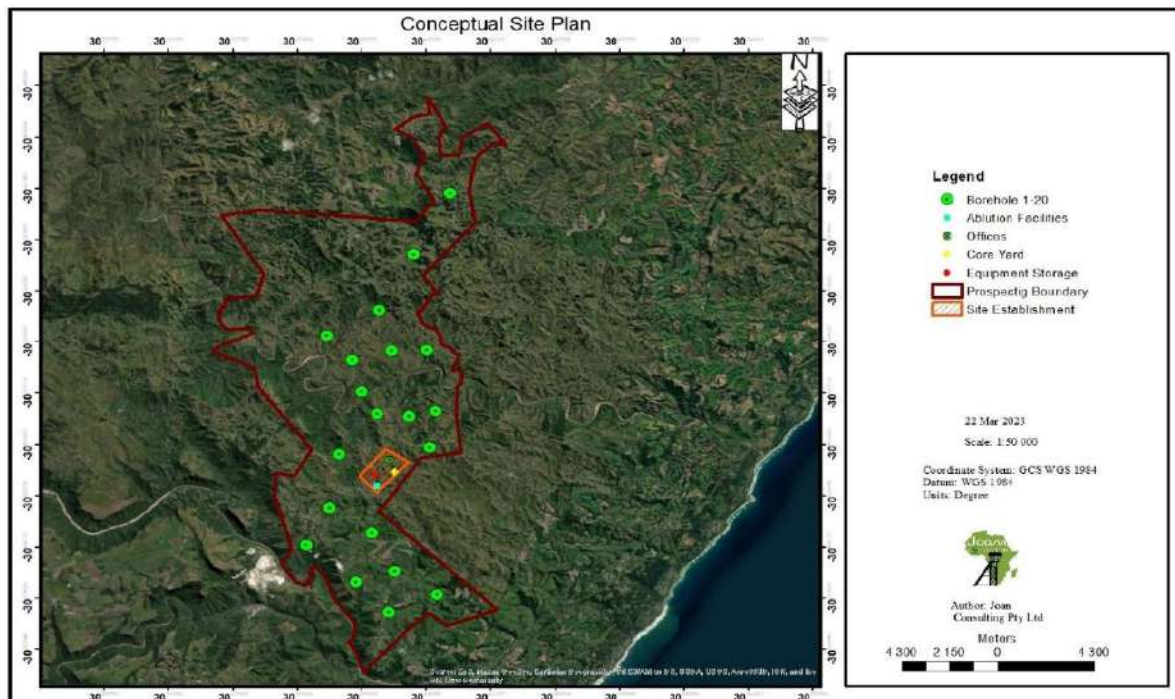


Figure 2: The conceptual site plan of the site

NB: This is not a final site plan, the site plan is subject to change depending on the findings of the desktop study, geophysical study and geochemical study)

The table below summarises details of the project's location, scale, and extent of the project.

Table 1:Property Details

DMRE Ref:	KZN30/5/1/1/2/11361
Farm name:	See Annexure 1
Application area extent:	13 998 ha
Magisterial District:	Port Shepstone Magisterial District

2. LISTED ACTIVITIES TO BE AUTHORISED

Table 2: Listed activities

Name of Activity	Aerial extent of the Activity Ha or m² for each application	Listed Activity	Applicable Listing Notice
Any activity including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002),	The applied area for each application	Yes	Activity 20- GNR R327 of 2017
Site Establishment and associated infrastructures	±500 m ²	No	Activities associated with Activity 20
Office/core yard			
Mobile Ablution			
Equipment Storage			
borehole- drill sites- with water sump (The clearance of an area of less than 1 hectare for drill holes)	4000 m ² (±100m ² X 40 drill sites)		
Access road- the project will use the existing road	-		
Total disturbed area for each site	±4500 m ²		

3. PROJECT DESCRIPTION

Phase 1: Site Preparation and Construction

Site Preparation

- Site Preparation will involve infrastructure placement such as an ablution facility (mobile chemical toilet) and waste Bin.
- General waste will be separated from hazardous waste and will be disposed of at a registered landfill site. No buildings will be erected on site.
- The facility or equipment areas used will be less than 1000m² and will be rehabilitated once operation ceases.

Phase 2: Operational.

The operational phase entails the drilling of up to 20 boreholes per site. The borehole depth will range from 30 to about 150m. A drill rig, lined sump and water cart are the equipment that are normally at a drill site.

4. LANDOWNER'S CONSULTATIONS

Landowners are key stakeholders in the proposed projects. Landowners are requested to give consent to the environmental assessment practitioners to undertake a visual inspection of their land in order to do an informed assessment and recommendation for the applications. This assessment assist in that the report will provide customised recommendations for that talks to the land use and sensitivity on the farms. E.g., recommendations for the macadamia nuts plantation may be slightly different for the banana plantations recommendations. Their involvement is crucial.

Landowners are not expected and should not stop using and developing their land as they deem fit. This is because the prospecting project has minimal impact on the current land uses and if the prospecting activity impacts on the livelihood business onsite, the applicant will discuss the compensation of such impact with each affected landowner.

5. GENERIC IMPACTS RELATED TO THE PROSPECTING ACTIVITIES AND THEIR MITIGATION MEASURES.

Impact	Mitigations
Generation and dispersal of Dust	<ul style="list-style-type: none"> • spray water when drilling to suppress dust dispersal. • avoid unnecessary vegetation removal. Instead of removal, trim the vegetation for ease of access & location of the rig and only remove vegetation where required for the sump and the hole. • Rehabilitate the denuded surface as soon the drilling is complete.
Increased noise levels from movement of vehicles	<ul style="list-style-type: none"> • the drill rig and associated vehicles must be serviced to prevent excessive noise due to machinery malfunction. • Work should be conducted during daytime only to minimise disruption of neighbours and animal life.
Habitat disruption & destruction (vegetation removal) and impact of sensitive ecosystems species	<ul style="list-style-type: none"> • Map the drill sites and indicate the buffer zones. • Maintain necessary buffer zones from sensitive environments like the wetland, water courses, natural forest, etc. • avoid unnecessary vegetation removal. Instead of removal, trim the vegetation for ease of access & location of the rig and only remove vegetation where required for the sump and the hole. • Use already available farm roads and avoid creating new routes. • Rehabilitate the denuded surface as soon the drilling (at each site) is complete.
Impact on graves and other archaeological artifacts	<ul style="list-style-type: none"> • Maintain necessary buffer zones for all burial sites. • Burial sites must be mapped. • Consult Landowners and community members to identify burial sites before prospecting. • Use chance find procedure to cater for accidental finds.
Disturbance to animals on site	<ul style="list-style-type: none"> • Do not disturb nests, breeding sites or young ones. • Do not attempt to kill or capture snakes unless directly threatening the safety of employees. • Dogs or other pets are not allowed to the work site as they are threats to the natural wild animal. • A low-speed limit should be enforced on site to reduce animal-vehicle collisions. • No animals should be intentionally killed or destroyed and poaching and hunting should not be permitted on the site.

Soil erosion and stream sedimentation	<ul style="list-style-type: none"> • avoid unnecessary vegetation removal. Instead of removal, trim the vegetation for ease of access & location of the rig and only remove vegetation where required for the sump and the hole. • Use already available farm roads and avoid denuding surfaces when creating new routes. • Rehabilitate the denuded surface as soon the drilling (at each site) is complete. • Avoid drilling on steep slopes if possible.
Establishment and spread of declared weeds	<ul style="list-style-type: none"> • Rehabilitate the denuded surface as soon the drilling (at each site) is complete. • Plant the indigenous grass species on denuded areas to prevent the alien weeds from colonizing the area.
Loss of fertile topsoil and land capability	<ul style="list-style-type: none"> • The construction footprint should be kept as small as possible; Keep as much original land cover as possible. • Stripped soil should be stockpiled and put back during rehabilitation. • Rip the compacted soil to aid re-vegetation
Soil Compaction	<ul style="list-style-type: none"> • Vehicles and machinery must only use the existing routes. Where no route exists, the Environmental Control Officer must guide on the less invasive route. • Avoid unnecessary vehicle and drill dig movements onsite to minimize soil compaction. • Rip the compacted soil to aid re-vegetation during rehabilitation.
Soil and water contamination from hydrocarbon spills	<ul style="list-style-type: none"> • Clean all hydrocarbon spills from machinery immediately and dispose of contaminated soils at a permitted site. • Drip trays must be placed under parked machinery and vehicles. • The contents of drip trays are to be treated as hazardous waste. • Vehicle repairs onsite is prohibited
visual impact by drill equipment and dust	<ul style="list-style-type: none"> • •move the drill rigs offsite when the prospecting activity is completed • Undertake dust suppression whenever necessary.
Impact on landowners livelihoods	<ul style="list-style-type: none"> • The applicant must consult with each landowner to discuss the location of the drill sites to minimise the impact and to agree on the compensation.
Fear of farm attacks by farmers due to strangers in their property the area	<ul style="list-style-type: none"> • Introduce the contractor team to the landowners to assist in identifying the team. • Comply with all the local safety requirements
Generation and management of waste	<ul style="list-style-type: none"> • provide a bin onsite. • Empty the bin and dispose of the waste at the municipal pick-up area. • Litter bins must be equipped with a closing mechanism to prevent their contents from over flowing and blown by the wind.

	<ul style="list-style-type: none">• Empty litter bins regularly to avoid overflow.• Proper ablution facilities on site must be provided.
Work injury- impacting on the wellbeing of employees	<ul style="list-style-type: none">• Proper protective equipment must be allocated to all personnel working onsite.• Toolbox talk must be conducted to address the risk associated with the proposed project



6. PUBLIC PARTICIPATION PROCESS (PPP)

This document is to inform you about the proposed activity and to determine whether there are any concerns or objections from Interested and Affected Parties (I&AP's) that need to be considered.

The PPP serves to: -

- Provide I&APs with information about the proposed development and associated potential impacts.
- Allow I&APs the opportunity to comment or raise concerns on the proposed projects.

Getting Involved

As an Interested and Affected Party, you are requested to do the following.

- a) complete the comments form attached overleaf (below) and give any comment, concern, or input regarding the project.
- b) Review and comments on the draft Basic Assessment report that will be made available after the site visit.

Contact Details

Please contact Lufuno Mutshathama on 011 791 5032 or 073 912 0800 or at Lufuno@joanprojects.co.za or Phindulo Mugovhani on 011 791 5032 or at Phindulo@joanprojects.co.za for more information or enquiry.



073 912 0600
011 791 5032
Lufuno@joanprojects.co.za
Fax : 086 235 5142
No 9 Loerie Road
Randburg, 2156

FARM NAMES PER APPLICATION

ANNEXURE 1

Company Name: AFLI Exploration 1 (Pty) Ltd

DMRE reference number: KZN 30/5/1/1/2/11361 PR

Farm Names
Remaining extent of farm ESHER 9618 ET
Remaining extent of farm NDELU C 17563 ET
Remaining extent of farm SUB A OF BOWNMOUTH 10851 ET
Remaining extent of farm UMBOGOLWANE 9685 ET
Remaining Extent of farm TRANKLAND NO 2 9598 ET
Remaining extent of farm QUABI 9233 ET
Remaining extent of QWABE 17553 ET
Remaining extent of farm WATERSHED B 10106 ET
Remaining extent of farm SUB A OF ITALIA 9534 ET
portion 1, 2, 3, 4,5,6,7,8,9,10,12 of the farm HUDSON 17322 ET
Portion 1,2,3,4,5,9,10 and Remaining extent of farm LOT X 5715 ET
Portion 1,2,3,4,5 and Remaining extent of farm GOLDEN GATE 9231 ET
farm ENDYMION 16558 ET
farm CHERRYWILLINGHAM PARK 9323 ET
farm POPLAR VALE 9102 ET
Portion 1,2,3,4,5,6,7,8,9 of farm ITALIA C 12423 ET
Remaining extent of SWAT 16091 ET
Portion 7, 2, 12, 3,1 of farm WEST SLOPES 5828 ET
Portion 1,2, portion of portion 3, and Remaining extent of farm BAVARIA 9546 ET
Portion 2& 7 of farm THE VALLEYS 6558 ET

Portion 10 of farm MINORCA 8584 ET
Portion 2,3 and Remaining extent of UMZUMBE MISSION STATION 4685 ET
Portion 2 and Remaining extent of farm WESTLANDS 5829 ET
Portion 50 of farm CHERRYWILLINGHAM PARK 9323 ET
Portion 1 of farm VINEYARD 7259 ET
Portion 10 of farm LOT FA 1 6752 ET
Portion 1 of farm SEAFIELD 17474 ET
Portion 10 of farm LOT 5 4919 ET
Portion 10 and Remaining extent of farm THE WOLDS 7746 ET



APPENDIX B5

MINUTES OF THE MEETINGS



**MINUTES OF THE MEETING HELD WITH INKOSI QWABE AND THE COMMUNITY
REGARDING AFLI EXPLORATION 1 (PTY) LTD PROSPECTING RIGHT APPLICATION
(REF NO: KZN30/5/1/1/2/11361PR)**

	Location: Kwa-Qwabe Community
	Date: 16 May 2023
	Time: 14h00pm

MEETING AGENDA

Items	Speaker's Name	Meeting Proceedings
Welcome	Inkosi Qwabe	Inkosi Qwabe welcomed everyone who heeded the call to come to the meeting and honored it, he further extends many gratitude's to Joan Consulting team.
Introductions	David Mutshathama	David introduced himself as a Project Manager and his team member Mercury Shivambu as Case Officer for the project and the reason why they are conducting the meeting.
Purpose of the Meeting	Mercury	Mercury presented the Background Information Document (BID) and explained the reason why Afli exploration intends to prospect in the area they applied for. He explained the importance of public participation process for this project and the process of prospecting for the minerals. He requested permission from Induna's to conduct a public meeting with the communities.



Items	Speaker's Name	Meeting Proceedings
Questions and Comments of the meeting	Speaker 1	Speaker 1 asked where do we see the availability of minerals in our areas?
	Mercury	He explained this information regarding the availability of mineral we obtain it from CGS (Council of Geo-Science).
	Speaker 2	Speaker 2 asked if these minerals are located beneath the community (the houses of the residence), do they consider that.
	David	David responded by saying it would happen when Afli Exploration intend to do mining in your area. At that stage the owner of the house (Residents) will have to communicate with the Afli exploration if the residents want to be compensated or the company will build house somewhere else. However, it will be up to them and what they discuss.
	Speaker 3	Speaker 3 asked if this prospecting work will bring their own employee or some of the community member will part of this prospecting work
	David	He answered by saying prospecting will assess the area through drilling and it doesn't involve a lot of workers. They will be 2-3 employee that might be hired include the security guard.
	Speaker 4	Speaker 4 commented by saying Joan consulting is here to see us so that we can talk to the community on their behalf regarding this project.



Items	Speaker's Name	Meeting Proceedings
	David & mercury	He further explains, we are here to speak to the Nduna's about this project. So that he can speak to the community regarding this as they should also know about this. Mercury adds on by saying this company isn't only wanting to prospect lithium.
	Speaker 5	Speaker 5 asked where is Joan Consulting located?
	David	He said, Joan consulting is based in Johannesburg.
	Mercury	Mercury assured them that if there are some households that have graves, they should be aware that this prospecting will occur 500m away from all graves and the meeting will be requested with those households.
Closure	Inkosi Qwabe	Inkosi appreciated everyone then he adjourned the meeting.



**MINUTES OF THE MEETING HELD WITH INKOSI SHINGA AND THE COMMUNITY
REGARDING AFLI EXPLORATION 1 (PTY) LTD PROSPECTING RIGHT APPLICATION
(REF NO: KZN30/5/1/1/2/11361PR)**

	Location: Ndelu Community
	Date: 17 May 2023
	Time: 10h00am

MEETING AGENDA

Action Items	Speaker's Name	Meeting Proceedings
Welcome	Inkosi Shinga	Nkosi Shinga extended the gratitude's to everyone present in the meeting as well as Joan Consulting team.
Introductions	David Mutshathama	David introduced himself as a Project Manager and his team member Mercury Shivambu as a case officer of the project and the reason why they are conducting the meeting.
Purpose of the Meeting	Mercury & David	Mercury represented the BID as a summary of the project. David further explains the process of Basic assessment report which will be compiled for this project and will have to be sent to DMRE (Department of Mineral Resources and Energy) and the BAR will be made available for all interested and affected parties. Mercury added by saying all the comments and concerns raise in all the meeting will be included in the report, David said.
Questions and Comments of the meeting	Speaker 1	Asked where exactly is the Lithium and how do we know that there is Lithium in their area.
	David	David responded by saying that the information from Council for Geoscience (CGS) shows that the area has some minerals hence they want to prospect to see if there are some minerals for real.



Action Items	Speaker's Name	Meeting Proceedings
	Speaker 2	Speaker 2 asked when Afli exploration is going to start prospecting.
	Mercury	He answered saying we haven't started with prospecting, by laws and regulation we must involve and consult the communities and tribal authorities regarding this matter and explain the whole process of prospecting to the communities. David adds saying that Afli exploration would like to commence their prospecting immediately after they EA get granted.
	Speaker 3	Speaker 3 asked if all these farms will be drilled or prospect
	David	He said that all the farms that are mentioned on the BID's will not be drilled however they are applied for incase they find something on the farm. At this point they just want to prospect and if they find something on one of the farms they will continue and start mining only on the farm where they find a good grade of lithium.
	Speaker 4	Asked if all the Traditional Leaders have been consulted?
	David& mercury	David commented by saying that all the Nduna's will be informed when they (Afli Exploration) commence with prospecting or drilling. The interested and affected parties are part of this project and will be notified. Mercury mentioned that all the members of the communities will have a meeting regarding items that are within the households such as graves, Water boreholes and kraal, then Afli exploration will be aware of graves and other items so that the drilling will occur 500m away from the graves, the minutes of the meeting will be compiled and distributed to all interested and affected parties and will be sent DMRE.
	Speaker 5	Speaker 5 raised a concerned saying these people will interrupt his households if there's minerals beneath his house.
	Mercury	He answered by saying that if that happened where is a mineral of interest beneath your house, there will be a discussion between you and Afli exploration where they will fund you or they will build a house somewhere, where is far from the area of drilling.



Action Items	Speaker's Name	Meeting Proceedings
	Speaker 6	Speaker 6 asked what will happen after prospecting since there are kids and domestic animals around?
	David & Mercury	He answered by saying communities and local authorities should have a discussion regarding prospecting. Mercury referred them to the page on BID's that environmental Management plan will be put in place to mitigate all the impact that will rise during prospecting. David also referred them to the page on BIDs about the description of the project, how is it going to occur.
	Speaker 7	Speaker 7 asked about the minerals are being applied for
	David	He referred them to BID's
	Speaker 8	Speaker 8 asked if these minerals of interest will be exported?
	David & Mercury	Mercury answer saying this will be based on the grade of lithium and the results after prospecting if there will be a mine or not. If it happened the results are good, and the mining will take place. And all the process of lithium will take place in South Africa. And David added by saying this will depend on the market target.
	Speaker 9	Speaker 9 asked if there is a place where that refined the lithium and batteries, if there's no processing plant it means they must export minerals
	Mercury	Mercury responded by saying there is no processing plant of lithium here in S A, if Afli exploration see a need to build up the plant, then that will be done
Closure	Inkosi Shinga	The chief thanked everyone and the meeting was adjourned



**MINUTES OF THE MEETING HELD WITH INKOSI LUSHABA AND THE COMMUNITY
REGARDING AFLI EXPLORATION 1 (PTY) LTD PROSPECTING RIGHT APPLICATION
(REF NO: KZN30/5/1/1/2/11361PR)**

📍 Location: Oshabeni Community

📅 Date: 17th May 2023

🕒 Time: 14:00

MEETING AGENDA

Action Items	Speaker's Name	Meeting Proceedings
Welcoming	Inkosi Lushaba	Nkosi Lushaba welcomed the community members who were present as well as Joan Consulting (Pty) Ltd personnel.
Introductions	David Mutshathama	David introduced himself as a Project Manager and his team member (Mercury Shivambu as a case officer of the project and the reason why they are conducting the meeting.
Purpose of the Meeting	Mercury	Mercury explained the process of prospecting and how this work will be done. If it happens that the results are good from prospecting, then they will move to mining. This will be done based on the positive result of prospecting.



Action Items	Speaker's Name	Meeting Proceedings
Questions and Comments of the meeting	Speaker 1	Speaker 1 asked precise location of where the minerals of interest are?
	Mercury	He referred to a page on BID's which consists of farm names and farm portions, however they do not have accurate information of where lithium is hence, they applied for all the farms that are mentioned on this page.
	Speaker 2	Speaker 2 asked if this prospecting will involve drilling
	Mercury	He answered yes, this prospecting will involve drilling of 20 boreholes of about 30 to 150 m in depth.
	Speaker 3	Speaker 3 asked what does the prospecting process entails?
	David	He answered by saying this process must involve communities and all local tribal authorities, we are doing this by the law and regulations. Aflī Exploration will not prospect or drill without your concern and they must obtain the right from DMRE (Department of Mineral Resources and Energy). However, we as Joan consulting will inform you regarding this, if the application is granted by the department or not
	Speaker 4	We have concerned that we do not have exact location of where the lithium is?



Action Items	Speaker's Name	Meeting Proceedings
	David & mercury	He explained that the applicant isn't sure where they will start drilling hence, they applied for all farms portions.
	Speaker 5	How long will this take?
	Mercury	It will depend on the results, but Afli Exploration has applied the prospecting right for 5 years.
Closure	Inkosi Lushaba	Nkosi thanked everyone and the meeting was adjourned.



APPENDIX B6

**ATTENDANCE REGISTERS OF
THE MEETINGS HELD SINCE
THE INCEPTION OF THE
PROJECT**

ATTENDANCE REGISTER

AFLI EXPLORATION 1&4 (PTY) LTD






DMRE REFERENCE NUMBERS :

DATE: 10 MARCH 2023

VENUE UMTHUNZI HOTEL

1. AFLI Exploration 1 (PTY) LTD : KZN 30/5/1/1/2/11349 PR
2. AFLI Exploration 1 (PTY) LTD : KZN 30/5/1/1/2/11361 PR
3. AFLI Exploration 4 (PTY) LTD : KZN 30/5/1/1/2/11370 PR

Name & Surname	Cell Number	Email address	Farm name & portion/Physical address
JAMISANI MAMBO	0731291008	thandabantu@ymail.com	Lawley Murr.
Milton M. Ngcobo	0633533454		Masego
NYIKOVU MBUYI	0605861618		Mafika
Siboniso Hlophe	0822938000	siboniso.hlophe@gmail.com	Megoy area
SB mafinnumelo	0726405606	blue.maps19@gmail.com	Megoy
Tu Ngcobo	0729160452	ngcobo.ngcobo@gmail.com	
Gandile Zungu	0727074642	facilitation@mgmholdings.co.za	mgm project / SA LITHIUM
Tobiso Damqji	061 478 9772	facilitation@mgmholdings.co.za	MGM Projects / SA LITHIUM
ARONA MGAQA	0706565788	facilitator@mgmholdings.co.za	MGM PROJECTS / SA LITHIUM
Thandabantu Mhlapo	082 254 2819	thandabantu.mhlapo@uct.ac.za	Cape Town

JAN HANSEN	1667825265120	JAN@SA-Lithium.com	SA-Lithium
IRIKOSI PRINCE MWA MADALA	0631035319	mwa@lala.ms@gmail.com	KwaMADALA T/C
Mdunge Uyani	011425874	Blessing Mdunge 59@gmail.com	Community Cooperator
WEM MASHU	0828497231	wem@lala.ms@gmail.com	
Evidence T. Cele	0638668821		Cele
Nobuhle Nyirongo	0835948637	bny@kama-wa-ku@gmail.com	
L.A. Dhlomo	0822262509	dhlomolungani2@gmail.com	
Luke Nunn	0829441466	luke@sa-lithium.com	
Lufuno Mutsaers	0839120800	lufuno@johannesburg.com	

ATTENDANCE REGISTER

AFLI EXPLORATION 1; AFLI EXPLORATION 2, AFRI EXPLORATION 3 AND AFLI EXPLORATION 4

DATE: 13 APRIL 2023

VENUE: SOUTH PORT

DMRE REFERENCE NUMBERS:

1. AFLI Exploration 1 (PTY) LTD : KZN 30/5/1/1/2/11349 PR
2. AFLI Exploration 1 (PTY) LTD : KZN 30/5/1/1/2/11361 PR
3. AFLI Exploration 4 (PTY) LTD : KZN 30/5/1/1/2/11370 PR
4. AFLI Exploration 2 (PTY) LTD : KZN 30/5/1/1/2/11351 PR
5. AFLI Exploration 3 (PTY) LTD : KZN 30/5/1/1/2/113352 PR

Name & Surname	Cell Number	Email address	Farm name & portion
MUTSHATHAMA T.D	078 6986552	david@jeanprojects.co.za	
Eugene vd Heever	072 414 9003	eugene@sa-litlinn.com	
Gwenda Watts	082 786 6646	shayamoy@venkwenet.co.za	
ABON WAZWAZI	082 8930574	AG. WAZWAZI@GMAIL.COM	
M.E. MELLE	0825578638	intshambili@gmail.com	
MIKE CLARK	083 4637964	mike.vanzambe@gmail.com	Stupids Farm
CRAG RHODES	083 655 7614	fairvalefarm@gmail.com	



AFLI EXPLORATION 1 (PTY) LTD: PROSPECTING RIGHT APPLICATION MEETING ATTENDANCE REGISTER WITH INKOSI
QWABE, KWA-ZULU NATAL, 4225.

DMRE REF. NO: KZN 30/5/1/2/11361 PR

DATE: TUESDAY, 16th MAY 2023 AT 14:00.

	Surname & Initials	Farm Name/Address	Email Address & Contacts
1	CHILIZA M.L.	kwa QWABE "P"	@: ☎: 0729494939
2	THEMBA HLOPHE T.E	kwa QWABE "P"	@: ☎: 0603206637
3	* Qwabe Z.L.	Qwabe "P"	@: ☎: 0750261014 ☎: inkosiqwabe@joanprojects.co.za
4	VELAPHI MATHUNU	Qwabe. P	@: ☎: 0737207689
5	SONDODI	Qwabe	@: ☎: 0722603234
6	Shivambu M.	6 Lorie Rd, Randburg	@: mercury@joanprojects.co.za. ☎: 074 096 9995.



073 912 0500
011 791 5332

info@joanprojects.co.za
Fax: 086 235 5142

No 8 Lorie Road
Randburg, 2156

AFLI EXPLORATION 1 (PTY) LTD: PROSPECTING RIGHT APPLICATION MEETING ATTENDANCE REGISTER WITH INKOSI LUSHABA, KWA-ZULU NATAL, 4225.

DMRE REF. NO: KZN 30/5/1/2/11361 PR

DATE: WEDNESDAY, 17th MAY 2023 AT 14:00.

	Surname & Initials	Farm Name/Address	Email Address & Contacts
1	Mercury Shivambu	6 Lorie Road, Randburg, 2159.	@: mercury@joanprojects.co.za ☎: 074 095 9995
2	THABANI GUMEDÉ	WARD 4 OSHABENI LOCATION	@: 0633112730 ☎: thabani979@gmail.com
3	Lushaba A.B	WARD 04 Oshabeni LOCATION	@: ☎: N/A
4	inkosi S.B. Lushaba	..	@: ☎: 066 023 7714 sblushaba94@gmail.com
5	T.E. Lushaba	ward 4 Oshabeni	@: ☎: 083 586 4469
6	F.J. LUSHABA	ward.4 Oshabeni	@: ☎: 073 9273086

7	Sike Lushaba	Word of Oshobeni location	@: Sike.lushaba@yahoo.com ☎: 067767 4106
8			@: ☎:
9			@: ☎:
10			@: ☎:
11			@: ☎:
12			@: ☎:
13			@: ☎:
14			@: ☎:
15			@: ☎:
16			@: ☎:
17			@: ☎:
18			@:

AFLI EXPLORATION 1 (PTY) LTD: PROSPECTING RIGHT APPLICATION MEETING ATTENDANCE REGISTER WITH INKOSI
SHINGA, KWA-ZULU NATAL, 4225.

DMRE REF. NO: KZN 30/5/1/2/11361 PR

DATE: WEDNESDAY, 17th MAY 2023 AT 10:00.

	Surname & Initials	Farm Name/Address	Email Address & Contacts
1	Shivambu M.	6 Loerie Road, Randburg, 2169	@: ☎: 074 096 9995.
2	L. MORGAN	J. Ndela	@: ☎: 0730729860
3	MUGUNI J. P.	KwaNDELU	@: jabulani.muguni@gmail ☎: 0727396603
4	Muzika yise Slesi	Kwa ndelu	@: ☎: 0722977583
5	S2-GUMB	KWANDELU	@: ☎: 0781035615
6	A.S. Madulaka	KWANDELU	@: 0762015747 ☎:

7	SHINIA R.S.	NDEHU LOCATION NKULU WARD 14 UMZUMBE	@: 0822935433 ✉: smajobela@gmail.com
8	Qumede T.E.	thanoqumede@gmail.com Tse.	@: thanoqumede@gmail.com
9	Zulide P.S	Pogla	@: 0734881714 ✉: 0603684367
10	DAVID MUSHATHAMBA	david@spanprojets.co.za	@: 0786986552
11			@: ✉:
12			@: ✉:
13			@: ✉:
14			@: ✉:
15			@: ✉:
16			@: ✉:
17			@: ✉:
18			@:



APPENDIX B7

**COMMENTS RECEIVED FROM
INTERESTED AND AFFECTED
PARTIES**



Joan Consulting
Attention: Lufuno Mutshathama

By email: lufuno@joanprojects.co.za

27 March 2023

Dear Ms Mutshathama

RE: CONSULTATION NOTICE FOR PROSPECTING RIGHT APPLICATIONS IN TERMS OF SECTION 16(4)b OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 AND SECTION 24 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998

We refer to your letter, which we received via email on [insert date], regarding the following applications for prospecting rights by:

1. AFLI Exploration 1 (Pty) Ltd: KZN 30/5/1/1/2/11349 PR;
2. AFLI Exploration 1 (PTY) LTD: KZN 30/5/1/1/2/11361 PR;
3. AFLI Exploration 2 (PTY) LTD: KZN 30/5/1/1/2/11351 PR;
4. AFLI Exploration 3 (PTY) LTD: KZN 30/5/1/1/2/11352 PR; and
5. AFLI Exploration 4 (PTY) LTD: KZN 30/5/1/1/2/11370 PR.

(collectively, "**the Applications**" or "**the Applicants**", context depending)

We are Interested and Affected Parties for purposes of the Applications and request to be added to the register of Interested and Affected Parties.

In order to enable us to adequately consider the potential impacts of the Applications on our properties and existing operations, we require the following information:

1. details of the shareholding in each Applicant;
2. an outline of the Applicants' long-term objectives in relation to the prospecting and or potential future mining in the area;
3. a **full** copy of each prospecting rights Applications including (but not limited to) copies of:
 - a. the prospecting work programmes;
 - b. a copy of the Regulation 2(2) diagrams depicting the proposed prospecting areas;
 - c. documentary proof of the Applicants' technical ability or access thereto to -
 - i. conduct the proposed prospecting operation in accordance with the prospecting work programme; and
 - ii. to mitigate, manage and rehabilitate relevant environmental impacts;
 - iii. comply with relevant provisions of the Mine Health and Safety Act, 1996;
 - d. details to the financial resources to which the Applicants have access to ensure prospecting work is conducted optimally in accordance with the prospecting work programme;
4. a copy of the written confirmation from the Regional Manager accepting each Application;

29 Richefond Circle, Ridgeside Office Park, Umhlanga Rocks, 4319
P O Box 15245, Bellair 4006
Tel: +27 31 450 4411
www.npc.co.za

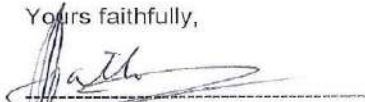


a member of  Intercement

5. a copy of the applications for environmental authorisations in respect of each Application together with proof of submission to the competent authority; and
6. copies of the basic assessment reports or environmental impact assessment reports prepared for the Applications as well as copies of:
 - a. the environmental management programmes; and
 - b. all specialist studies that have been prepared to date as annexures to those reports.

Should any of the above requested information not yet have been prepared, we request that this be indicated and that copies be sent to us as soon as they become available.

Yours faithfully,



Mine Manager – NPC Intercement(Pty)Ltd.



APPENDIX B8

**RESPONSE TO COMMENTS
RECEIVED FROM
STAKEHOLDERS**



073 912 0600
011 791 5032
Lufuno@joanprojects.co.za
Fax: 086 235 5142
No 9 Loele Road
Randburg, 2156

To: **Jay Sampathmany** General Manager - Simuma Quarry

CONSULTATION NOTICE FOR PROSPECTING RIGHT APPLICATIONS IN TERMS OF SECTION 16(4)b OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 AND SECTION 24 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, (ACT NO 107 OF 1998)

We refer to your letter, which we received via email on the 28th of March 2023 regarding the following applications for prospecting rights:

1. **AFLI Exploration 1 (PTY) LTD: KZN 30/5/1/1/2/11349 PR**
2. **AFLI Exploration 1 (PTY) LTD: KZN 30/5/1/1/2/11361 PR**
3. **AFLI Exploration 2 (PTY) LTD: KZN 30/5/1/1/2/11351 PR**
4. **AFLI Exploration 3 (PTY) LTD: KZN 30/5/1/1/2/11352 PR**
5. **AFLI Exploration 4 (PTY) LTD: KZN 30/5/1/1/2/11370 PR**

Firstly, we would like to acknowledge and appreciate your response to our consultation and you are therefore added as an interested and affected party on our stakeholder's database for better communications going forward.

This response letter is for the projects with REF No: **KZN 30/5/1/1/2/11361 PR** and **KZN 30/5/1/1/2/11370 PR** of Afli Exploration 1 (Pty) Ltd and Afli Exploration 4 respectively. Please note that (11370PR) is not yet accepted but the application has been lodged.

#	COMMENT	EAP RESPONSE
1	Details of the shareholding in each application	A CK document/company registration documents are attached in response to this comment.
2	An outline of the applications long-term objectives in relation to the prospecting and or potential future mining in the area	The main objective is to prospect for Lithium, Dimension stone, Feldspars, Tantalum/Niobium and Zinc (Zn). If the results of prospecting process are positive then the

#	COMMENT	EAP RESPONSE
		client intend to apply for a Mining Right for the above-mentioned minerals.
3	A full copy of each prospecting rights applications including (but not limited to) copies of;	
a	The prospecting works programme	The Prospecting Works Programmes (PWP) are attached in response to this comment
b	A copy of the Regulation 2(2) diagrams depicting the proposed prospecting areas	The Regulation 2 (2) plans are attached in response to this comment.
c	Documentary proof of the applicant's technical ability or access thereto to	
i	Conduct the proposed prospecting operation in accordance with the prospecting works programme	The company's geologist cv is attached in response to this comment.
ii	To mitigate, manage and rehabilitate relevant environmental impacts	The applicant will appoint an Environmental Compliance Officer to monitor and enforce compliance with the mitigation measures provided on the Environmental Management Programme (EMP)
iii	Comply with relevant provisions of the Mine Health and Safety Act, 1996.	The applicant will appoint a Health and Safety Officer to enforce compliance with the Mine Health and Safety regulations.
d	Details of the financial resources to which the applicants have access to ensure prospecting work is conducted optimally in accordance with the prospecting works programme.	Kindly note that we are not in liberty to provide you with the client financial resources as this is confidential to the client; however, the Department of Mineral Resources (DMRE) has been provided with such.
4	A copy of the written confirmation from the Regional Manager accepting each application	The application acceptance letter from the DMRE is attached in response to this comment.

#	COMMENT	EAP RESPONSE
5	A copy of the applications for environmental authorisations in respect of each application together with proof of submission to the competent authority; and	The copy of the Environmental Authorisation application is attached in response to this comment.
6	Copies of the Basic Assessment reports or environmental Impact assessment reports prepared for the applications as well as copies of:	In this instance, the Basic Assessment Reports (BAR) is not yet ready; however, once the BARs are ready, they will be sent to you.
a	The environmental management programme; and	Also, the Environmental Management Programme Reports (EMPr) are still being prepared, when they are ready, they will be sent to you.
	All specialist studies that have been prepared to date as annexures to those reports	The specialists' studies are also yet to be conducted, when they are ready, they will be sent to you as well.
	Should any of the above requested information not yet have been prepared, we request that this be indicated and that copies be sent to us as soon as the become available.	This comment is noted and addressed above.

NB: We would like to request a permission to access your farms from the 3rd of May 2023 to the 6th of May 2023, so that we can conduct the environmental assessments and specialists' studies for us to finalize the Basic Assessment Report.

Yours faithfully,

Lufuno Mutshathama (Principal EAP)





APPENDIX B9

PROOF OF STATE DEPARTMENTS
CONSULTATION AND RESPONSES



OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU-NATAL

139 Langalibalele Street, PIETERMARITZBURG, 3200, Private Bag X 9120, PIETERMARITZBURG, 3200
Tel: (033) 341 2600 | Fax: (033) 342 2881

Your Ref:

Enquiries: Lynn Boucher

Joan Consulting
9 Loerie Road
RANDBURG
2156

Dear Sir/Madam

REQUEST INFORMATION ON PROPERTY: LAND CLAIM

We acknowledge receipt of your enquiry received on 14 March 2023.

We confirm that at the date of this letter, no land claims appear on our database in respect of the properties described as:

1. **Remaining extent of the farm Esher 9618;**
2. **Remaining extent of farm Sub A of Bownmouth 10851;**
3. **Remaining extent of farm Umbogolwane 9685;**
4. **Remaining extent of farm Trankland No. 2 9685;**
5. **Remaining extent of farm Quabi 9233;**
6. **Remaining extent of farm Qwabe 17553;**
7. **Remaining extent of farm Sub A of Italia 9534;**
8. **Portions 1, 2, 3, 4, 8, 9, 12, 5, 7, 10 and 6 of farm Hudson 17322;**
9. **Portions 2, 1, 9, 10, 5, 4, 3 and Remaining extent of farm Lot X 5715;**
10. **Portions 5, 1, 2, 3, 4 and Remaining extent of farm Golden Gate 9231;**
11. **The farm Poplar Vale 9102;**
12. **Portions 1, 8, 7, 2, 3, 6, 5, 9 and 4 of farm Italia C 12423;**
13. **Remaining extent of swat 16091;**
14. **Portion of Portion 3, Portions 2, 1 and Remaining extent of farm Bavaria 9546;**
15. **Portions 2 and 7 of farm The Valleys 6558;**
16. **Portion 10 of farm Minorca 8584;**
17. **Portion 2 and Remaining extent of farm Westlands 5829;**
18. **Portion 1 of farm Vineyard 7529;**
19. **The farm West Slopes 5823;**
20. **Remaining Extent of farm Ndelu C 17563; and**
21. **Remaining Extent of farm Watershed B 10106.**

This includes the database for claims lodged by 31 December 1998 and those lodged between 1 July 2014 and 27 July 2016 in terms of the provisions of the Restitution of Land Rights Act, 22 of 1994 (as amended).

Whilst the Commission takes reasonable care to ensure and verify the accuracy of the information it provides, there are various factors that are beyond the Commission's control, particularly relating to claims that have been lodged but not yet published in the relevant government gazette, such as:

1. Some claimants refer to properties they claim dispossession of rights in land against, using historical property descriptions which may not match the current property description; and
2. Some claimants provide the geographic description of the land they claim without mentioning the actual property description against which they are claiming dispossession of rights in land.

The Commission therefore does not accept any liability whatsoever if through the process of further investigation, it is found that there is in fact a land claim in respect of the above properties.

If you are aware of any change in the description of the above properties after 19 June 1913, kindly supply us with such description (historic and current) so as to enable us to do a further search.

However, our records indicate that claims have been lodged on the properties described as:

1. **The farm Endymion 16658;**
2. **Portions 3, 2 and Remaining extent of Umzumbe Mission Station 4685 (whole property claimed);**
3. **The farm Cherrywillingham Park 9323;**
4. **Portion 1 and Remaining Extent of farm The Wolds 7746;**
5. **Portion 1 of the farm Lot FA1 6752; and**
6. **Portions 3, 4, 6, 01 and Remaining Extent of farm Cherrywillingham Park 9323.**

These properties fall under the Oshabeni Community claim, the Ndelu Community claim and the Lushaba Tribal Authority claim respectively. Please find attached the relevant gazette notices for ease of reference.

Regards



MR N. P. MDLULI
MANAGER: INFORMATION AND RECORDS MANAGEMENT
OFFICE OF THE REGIONAL LAND CLAIM COMMISSIONER: KWAZULU NATAL
DATE: 29 March 2023



APPENDIX B9

**INTERESTED & AFFECTED PARTIES
DATABASE**



**STAKEHOLDER DATABASE FOR A PROSPECTING RIGHT APPLICATION BY AFLI
EXPLORATION 1 (PTY) LTD (REF: KZN30/5/1/1/2/11361PR)**

Initials	Surnames	Organization/Department	Cell/telephone number	Email Address
Mulalo	Sundani	Department of Agriculture, Forestry and Fisheries (Head Office Pretoria)	076 021 6115 012 309 5868	Msundani@dffe.gov.za
Musawenkosi	Dladla	Ugu District Municipality	082 099 1538	Musawenkosi.dladla@ugu.gov.za, Sihle.Mbatha@ugu.gov.za, Noloyiso.Walingo@ugu.gov.za
Feziwe	Mhlongo	Ray Nkonyeni Local Municipality	039 688 2277	feziwe.mhlongo@rnm.gov.za
Leonie	Berjak	Ezemvelo KZN Wildlife		berjakl@kznwildlife.com
Bernadet	Pawandiwa	KwaZulu Natal Provincial Heritage Resources Authority (AMAFA)	033 394 6552	bernadetp@amafapmb.co.za
Lynn	Boucher	KZN Commission on Restitution of Land rights	033 341 2600	lynn.boucher@drdlr.gov.za
Melissa	Packree	Dept. of Economic Development, Tourism and Environmental Affairs	082 330 2136	Omar.Parak@kznedtea.gov.za, Melissa.Packree@kznedtea.

		- Coastal Management		gov.za, Nokulunga.Nxumalo@kznedtea.gov.za
Ntokozo	Gumede	KwaZulu-Natal Department of Agriculture and Rural Development.	032 437 7500	Ntokozo.gumede@kzndard.gov.za, Matho.Gwala@kzndard.gov.za; Alson.Cwele@kzndard.gov.za, Nsontangane@dffe.gov.za, PMBResourceCentre@dffe.gov.za
Nhlanhla	khumalo	KwaZulu-Natal Cooperative Governance and Traditional Affairs	(082)9207327	nhlanhla.khumalo@kzncogta.gov.za
Michele	Schmid	KwaZulu Natal Department of Transport	033 355 8600	michele.schmid@kzntransport.gov.za/ Judy.Reddy@Kzntransport.gov.za
J	Madibe	KwaZulu Natal: Department of Water & Sanitation		Naidoo@dws.gov.za; AboobakerH@dws.gov.za; Mngoma-MadibeJ@dws.gov.za
Nonkululeko	Khumalo	MP for Sand mining (general) (Remaining Extent of farm Ndelu C 17563-ET)	072 172 8374	nduduzo@neosho160.co.za/ nonkululeko@beyondges.co.za
Nkanyiso	Hlongwa	Zilamani Sand Mining operations (Pty) Ltd (MP for Silica Sand, crusher sand, concrete sand	072 370 6740	Yangam@matangana.co.za Cc hlongwathobanii@gmail.com

		(Remaining Extent of farm Ndelu C 17563-ET)		
Karl	Wiggishoff	Dlulwa Trading (Pty) Ltd MP-for Silica sand (Remaining Extent of farm Ndelu C 17563-ET)	083 700 8669/0315662 856	
Nolwazi Florence	Shusha	Green Mile Investment 110 MP-for Silica Sand (Remaining Extent of farm Ndelu C 17563-ET)	039 317 1850	Shushasiyanda87@gmail.com
Ndinannyi	Singo	African Lime (Pty) Ltd MP-for Limestone (A Portion of portion 9 of the farm West Slopes 5828-ET)	078 272 7839	
Bray Mark	Andrew	Southern Cross Cement Co (Pty) Ltd MR for Marble, sand, Calcite, Dolomitic Limestone, Dolomite, Gypsum and Limestone (Portion 2 and remaining extent of farm Westlands 5829-ET, The farm West Slopes 5828-ET & The farm Cherry Willingham Park 9323-ET)	082 459 3429/031 372 9700	dalek@rossmin.co.za
Michael Patrick	Duplesis	Idwala Industrial Holdings (Pty) Ltd MR-for Calcite and Dolomite (Portion 1 of farm Lot FA 1 6752-ET)	083 630 7257/ 039 687 80434	smadwe@idwala.co.za

Kinloch	Dale	uMzimkhulu Industrial Holdings (Pty) Ltd, MR-for calcite, Limestone, Dolomite and sand (Farm Cherry Willingham Park 9323-ET and the Farm West Slopes 5828-ET)	083 654 6629/031 372 9700	dalek@rossmin.co.za
Bray	Mark	N'dongweni Lime works (Pty) Ltd MR-for limestone, silica sand, dimension stone and feldspar (Remaining extent of Farm Watershed B 10106-ET)	082 459 3429/ 031 372 9700	dalek@rossmin.co.za
Jay	Sampathman y	NPC Intercement (Pty) Ltd -Simuma Quarry	031 450 4411	JayS@intercement.com/JC ubitt@intercement.com
Ryan	Bowles	South Coast Airsoft Range	072 740 9905	bowlesrm88@gmail.com
Musa		NPS Adventures	064 766 7384/ 073 700 0142	info@npsadventures.co.za
S. G	Madlala	Madlala Traditional Council		Madlalam59@gmail.com
Inkosi Prince M.Z.N	Madlala	Madlala Traditional Council	063 1035 319	-
Induna M.V	Ngcobo	Madlala Traditional Council	063 353 3454	-
Nobuhle	Nyirongo	Madlala Traditional Council	083 594 8637	tracykamawakho@gmail.com
Glenda	Wath	Shayamoya	082 786 6646	shayamoya@venturenet.co.za
Mike	Clark	Umzumbe farmers	083 463 7964	Mike.umzumbe@gmail.com

		association			
Craig	Rhodes	Umzumbe farmers association	083 655 7614		fairviewfarm@gmail.com
M.E	Merwe	Umzumbe farmers association	082 557 8638		intshambili@gmail.com
Jarryd	Nash	Umzumbe farmers association	072 3297 950		jarrydnash@gmail.com
Luke	Lindsay	Umzumbe farmers association	072 386 2096		Lindsayeggs@gmail.com
Marc	Dattor	Umzumbe farmers association	073 0853 373		marc@griquatb.co.za
Nich	Frey	Umzumbe farmers association	083 4148 805		nich@sunrisefarms.co.za
Davina	Campbell	Umzumbe farmers association	084 308 7362		davinacamp@gmail.com
R.E	Halland	Umzumbe farmers association	083 952 3316		
Dumisani	Thiango	Fairview Mission	073 129 1008		dumisanithiango@gmail.com
Victor	Ngcobo	-	063 353 3454		-
Mbuyi	Ndlovu	-	060 586 1618		-
Siboniso	Hlophe	Magog village	082 293 8000		Siboniso.hlophe@gmail.com
S.B	Maphumulo	Magog village	072 640 5606		Bluemaps19@gmail.com
T.L	Ngcobo	Magog village	072 916 0452		Ngcobo.ngcobo@gmail.com
Sandile	Zungu	MGM projects	072 797 4542		facilitation@mgmholdings.co.za
Tabiso	Damayi	MGM projects	061 478 9772		facilitator@mgmholdings.co.za
Akhona	Mgaga	MGM projects	076 656 5788		facilitator@mgmholdings.co.za
Thandabant	Nhlapo	University of Cape Town			Thandabantu.nhlapo@uct.a

u				c.za
Vuyani	Mdunge	Community committee	071 142 5874	Blessing.mdunge59@gmail.com
Lungani	Dhlomo	Community member	082 226 2509	dhlomolungani@gmail.com





**STAKEHOLDER DATABASE FOR A PROSPECTING RIGHT APPLICATION BY AFLI EXPLORATION 1
(PTY) LTD (REF: KZN30/5/1/1/2/11361PR)**

Land owner	Farm Name	Portion Number	Contact Details	Email
LANGTON MATTHEW INNES	BEMBRIDGE 9106	0,2,3,11		
B E G INV CC	LONGWOOD 10289	0	(083) 409 9148- Carl Grobler	aldila@venturenet.co.za
KESIAN FARM CC	LONGWOOD 10289	5,7		cottonwood@absamail.co.za
LANGTON MATTHEW INNES	LONGWOOD 10289	6	(083) 409 9148- Carl Grobler	aldila@venturenet.co.za
MADLALA COMMUNITY TRUST-TRUSTEES	LONGWOOD 10289	11	(063)1035319	Madlalam59@gmail.com
STANLEY MICHAEL MERTON	LONGWOOD 10289	12	(083) 409 9148- Carl Grobler	aldila@venturenet.co.za
CANESTAY MANUFACTURING CC	LONGWOOD 10289	0,1,4,5	Van Tichelen, Jean Claude (082) 784 5852	michaelsb84@msu.com
DLADLA ALFRED MANDLA	LONGWOOD 10289	2		
MAQUTU LUCY KATHLEEN NONKOSI	UMSINSINI 13307	0,3	(082)0423442	nonkosimaq@gmail.com
MAZIBUKO MANDLA JAMES	UMSINSINI 13307	1		



CELE FAKAZI JAFFA (Raymond Ngcobo)	UMSINSINI 13307	2	(079)6280560	
SHANGE ALEXANDRA	UMSINSINI 13307	5,16	Sbuisio Son-Joyce	
MASELEKU ZWELAKE	UMSINSINI 13307	6	(064)0204965	
DLAMINI SBUSISO SON- JOYCE	UMSINSINI 13307	7,11		
NXASANE TOKIZILE MAGDALENA	UMSINSINI 13307	8		
DAMBUZA TAMU NEWEL	UMSINSINI 13307	9,18	(083)7657413	
MADLALA NKOSIYABO VINCENT	UMSINSINI 13307	13		
MQADI NSIZWAZODWA MICHAEL	UMSINSINI 13307	15		
NDEBELE SILIBAZISO	UMSINSINI 13307	17		
DHLOMO THEMBEKILE VIOLA	UMSINSINI 13307	20	(082)2262509	Dhlomolungani2@gmail.com
KOMO DLOKWAKHE JOHANNES	UMSINSINI 13307	21		
MJWENI DOREEN SIMANGALISO	UMSINSINI 13307	23		
MZOBE MFANUFIKILE	UMSINSINI 13307	25	(082)2262509	
THUSI MANDLENKOSI AMON	UMSINSINI 13307	27		



ZULU STEPHEN NORMAN	UMSINSINI 13307	28		
NGCOBO MPHIWA JULIUS	UMSINSINI 13307	29		
WILKINSON DAVID ROBERT	The Corner 11328	0	(083) 4416435	wilkinsands@gmail.com
TRIPLE K INV CC	The Corner 11328	1	(079)8846344	Govreddy80@gmail.com
DREAMTEAM TRADING 969 CC	The Corner 11328	2	(084) 8800077- Smit, Andries Burger	andries@amcfunerals.co.za
Mr Vuyani Mdunge	071 142 5874	Madlala Tribal Council	Blessingmdungas@gmail.com	
Mr TC Ngcobo	072 916 0452	Magog	Ngcobo.ngcobo@gmail.com	
Mrs NC Madlala	083 581 8129	Madlala Tribal Council	Nonkanyisomadlala09@gmail.com	
Inkosi Prince MZN Madlala	063 103 5319	Madlala Tribal Council	Madlalam59@gmail.com	
Siboniso Hlophe	082 293 8000	Magog	Siboniso.hlophe@gmail.com	
LA Dhlomo	082 226 2509	Magog	Lunganidhlomo2@gmail.com	
DZ Dlamini	068 480 6616	Madlala Tribal Council Community Trust	Dlaminizwely69@gmail.com	
WCM Maguta	082 849 7231	Kwa Madlala Magog	winstonmaquta@gmail.com	
Dr Ndaba-Maquutu.	082 042 3442	Magog	nonkosimaq@gmail.com	



Mrs. ET Cele	063 866 8821	Magog		
Mrs NL Nylongo Hlengwa	083 594 8637	Magog		
VM Ngcobo	063 353 3454	Induna		
Dumisani	073 129 1008			
Salene Technologies: Karen Chetty			karen@salene.com	
Brian Macgregor (Secretary)			brian@mrr.co.za	Terry Mahon Attorneys (Salene technologies)
Brian Macgregor			brianm@mrr.co.za	
Kathleen Louw			klouw@werksmans.com	
Chris Stevens			cstevens@werksmans.com	
Francois Sieberhagen			fsieberhagen@malanscholes.co.za	
Hulme Scholes			hscholes@malanscholes.co.za	
Bruce Coetzee			bcoetzee@malanscholes.co.za	
Terry Mahon			terry@terrymahon.co.za	
Strategic Consultants			strategicconsultants2018@gmail.com	
Umzumbe Mining Company Pty. Ltd. A.K. Mulinga	(0) 73 015 5951		amulinga@afriess.net	
LANDOWNER				
Sibongile Mgadi	083 879 8129	Msinsini	Zangwaps@gmail.com	
G Qwemesha	(072)3848090	Msinsini	Mvuyo.qwemesha@gmail.com	



VA Ngcobo	(063)6243784	Msinsini		
J I Shange	(064)0204965			
Senzo Mkhize	076 244 1100	Msinsini		
Sipho Khumalo	079 044 8785	Msinsini		
L Newell	(083)7657413	Msinsini		
TL Ndlovu	(071)0279091	Msinsini		
Raymond Ngcobo	(079)6280560	Msinsini		
Connelius Ngcobo	(079)9138665	Msinsini		
Hopewell Sibisi	(078)7304442	Msinsini		
Nobuhle Hlengwa	(083)5948637	Msinsini		
LA Dhlomo	082 226 2509	Msinsini	Dhlomolungani2@gmail.com	
HM Zamisa	(078)1524978	Msinsini		
MA Thusi		Msinsini		
SB Maphumulo	072 640 5606	Msinsini	Bluemaps19@gmail.com	
			sokhuluprecious@gmail.com	
Dept. of Economic Development, Tourism and Environmental Affairs - Coastal Management	Omar Parak	Private Bag X9059, Pietermaritzburg, 3200	Omar.Parak@kznedtea.gov.za, Melissa.Packree@kznedtea.gov.za, Nokulunga.Nxumalo@kznedtea.gov.za	(082)3302136
	Glorious Mhlanga		Glorious.Mhlanga@kznedtea.gov.za	



	Sinethemba Mbambo		Sinethemba.Mbambo@kznedtea.gov.za	
KwaZulu-Natal Cooperative Governance and Traditional Affairs	Nhlanhla Mpondi	330 Langalibalele Street, Pietermaritzburg	Nhlanhla.Mpondi@kznedtea.gov.za, ramburans@dws.gov.za, AboobakerH@dws.gov.za	(082)9207327
			mokoenan@dws.gov.za	
			GovenderS2@dws.gov.za	
Kwazulu Natal: Department of Water & Sanitation			Naidoo@dws.gov.za; AboobakerH@dws.gov.za; Mngoma-MadibeJ@dws.gov.za	
Department of Transport	Michèle Schmid	Private Bag X9043	michele.schmid@kzntransport.gov.za	(033)3550581
	Judy Reddy	Pietermaritzburg 3200	Judy.Reddy@Kzntransport.gov.za	
KwaZulu-Natal Department of Agriculture and Rural Development.	Ntokozo Gumede	Cnr Link rd and R102, Stanger Central, KwaDukuza, 4450	Ntokozo.gumede@kzndard.gov.za, Matho.Gwala@kzndard.gov.za; Alson.Cwele@kzndard.gov.za, Nsontangane@dffe.gov.za, PMBResourceCentre@dffe.gov.za	032 437 7500
KwaZulu-Natal Cooperative Governance and Traditional Affairs	Nhlanhla khumako	330 Langalibalele Street,	nhlanhla.khumako@kzncogta.gov.za	



		Pietermaritzburg		
Ezemvelo KZN Wildlife	Dominic Wiener	Queen Elizabeth Park, 1 Peter brown street, Montrose, PMB, 3201	Dominic.Wieners@kznwildlife.com	033 - 845 1458
	Felicity Elliot	PO Box 13053, Cascades, 3202	elliottf@kznwildlife.com	086 532 6442 , 338451437
	Dr Boyd Escott	52 Bowen Ave, Glenmore, Durban, 4001.	escottb@kznwildlife.com	
	Dinesree Thambu	3202	dinesree.thambu@kznwildlife.com	(033)8451425
	Jenny Longmore		Jenny.Longmore@kznwildlife.com	
	Leonie Berjak		berjakl@kznwildlife.com	
			eia@kznwildlife.com	
			Jenny.Longmore@kznwildlife.com	
			berjakl@kznwildlife.com	
Ray Nkonyeni Local Municipality.	Miss Feziwe Mhlongo	666 Crescent Road, Uvongo 4270 And 26 Aiken Street Port Shepstone	feziwe.mhlongo@rnm.gov.za	(039)6882277
	Liziswa Jiba		yandiza.mhlamvu@rnm.gov.za Liziswa.jiba@rnm.gov.za	(039)6882271



Ugu District Municipality	Musawenkosi Dladla	28 Connor Street, Port Shepstone, 4240, PO Box 33, Port Shepstone, 4240	Musawenkosi.dladla@ugu.gov.za, Sihle.Mbatha@ugu.gov.za, Noloyiso.Walingo@ugu.gov.za	082 099 1538
Kwazulu Natal Provincial Heritage Resources Authority (AMAPA)	Weziwe Tshabalala	195 Langalibalele Street,	archaeology@amafapmb.co.za	(033)3426097
	Bernadet Pawandiwa		bernadetp@amafapmb.co.za	(033)3946552
			built.enviro@amafapmb.co.za	(033)9465430
Department of Agriculture, Forestry and Fisheries	Mulalo Sundani	Private Bag x 93, 110 Hamilton Street, Pretoria (Arcadia) , 0001	Msundani@dff.gov.za, tsibozana@dff.gov.za, NSontangane@dff.gov.za	(076)0216115, (012)3095865
Commission on Restitution of Land rights	Ms Lynn Boucher	139 Langalibalele Street, Pietermaritzburg 3201	lynn.boucher@drdlr.gov.za	(033)3412600
Strategic Consultants 2018 on behalf of Izinkanyezi Trust	Sthembiso khumalo		sthemviso.khumalo@dahrrd.gov.za;	
			mbuthosiph018@gmail.com;	
			msawenkosis41@gmail.com	



SCT Group			annelie@sctgroup.co.za	
			reception@sctgroup.co.za	
Ngongo Attorneys	Mfanafuthi Ngongo	18 Bisset Street Suite No 6, Lifestyle centre Port Shepstone, 4240	mnangongoattorneys@gmail.com ; andile.ngongo67@gmail.com , nangongoattorneys@gmail.com	0836409475/ 0784405765/0835391031
Transnet TFR Radio	Bongani Kubheka	umzumbe, port shepstone	Bongani.Kubheka@transnet.net	083 414 1765/ 031 361 4444
Transnet TFR Radio	Lucky Manqele	umzumbe, port shepstone	lucky.manqele@transnet.net	083 278 8556/ 031 361 6672



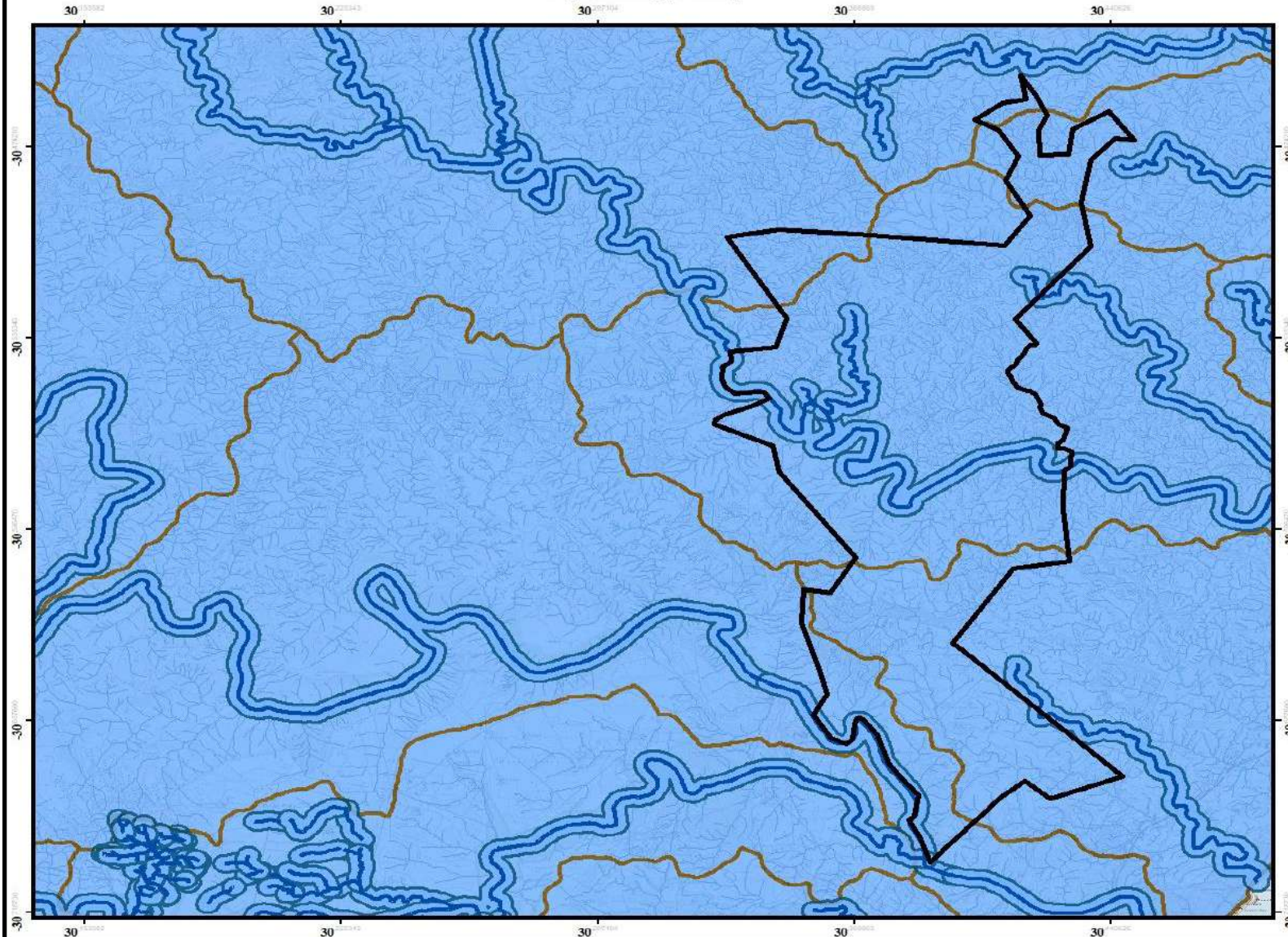
APPENDIX B10

**EMAIL NOTIFICATIONS AND
COMMUNICATIONS**








APPENDIX C
PROJECT MAPS

Hydrology Map



Legend

-  Prospecting Boundary
-  Rivers
-  Rivers Bufferzone
-  Quaternary Catchment
-  Streams

Scale: 1:125 000

17 March 2023

Coordinate System: GCS WGS 1984
Datum: WGS 1984
Units: Degree





Author: Joan Consulting Pty Ltd



Topography Map



Legend

-  Prospecting Boundary
-  Contours_20m

Scale: 1:125 000

17 March 2023

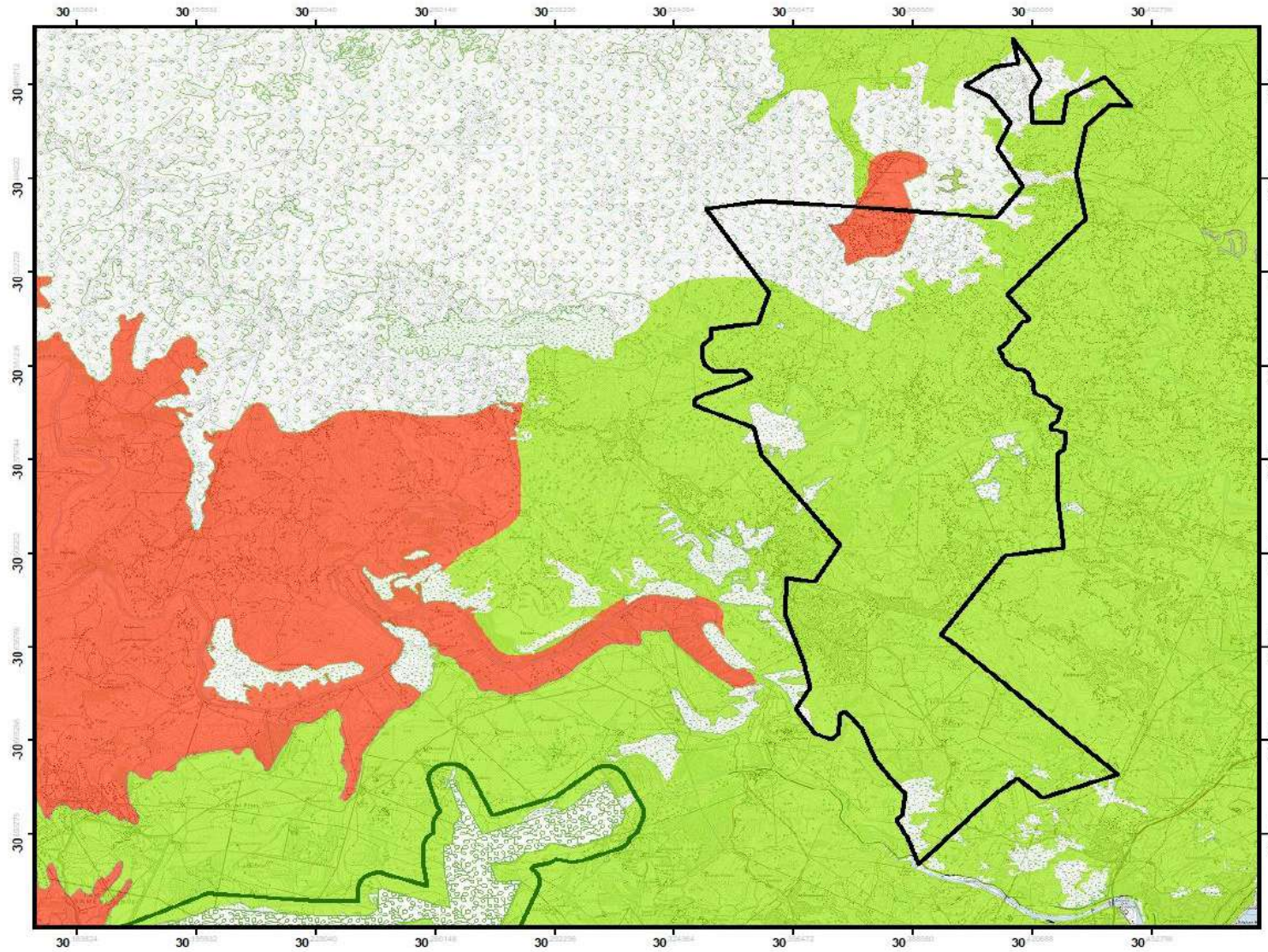
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Datum: WGS 1984
Units: Degree



Author: Joan Consulting Pty Ltd



Vegetation Map



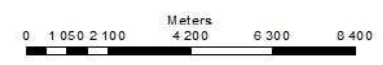
Legend

- Prospecting Boundary
- Protected areas Bufferzone
- Protected_Areas
- VegetationMap**
- Albany Thicket
- Azonal Vegetation
- Desert
- Forests
- Fynbos
- Grassland
- Indian Ocean Coastal Belt
- Nama-Karoo
- Savanna
- Succulent Karoo

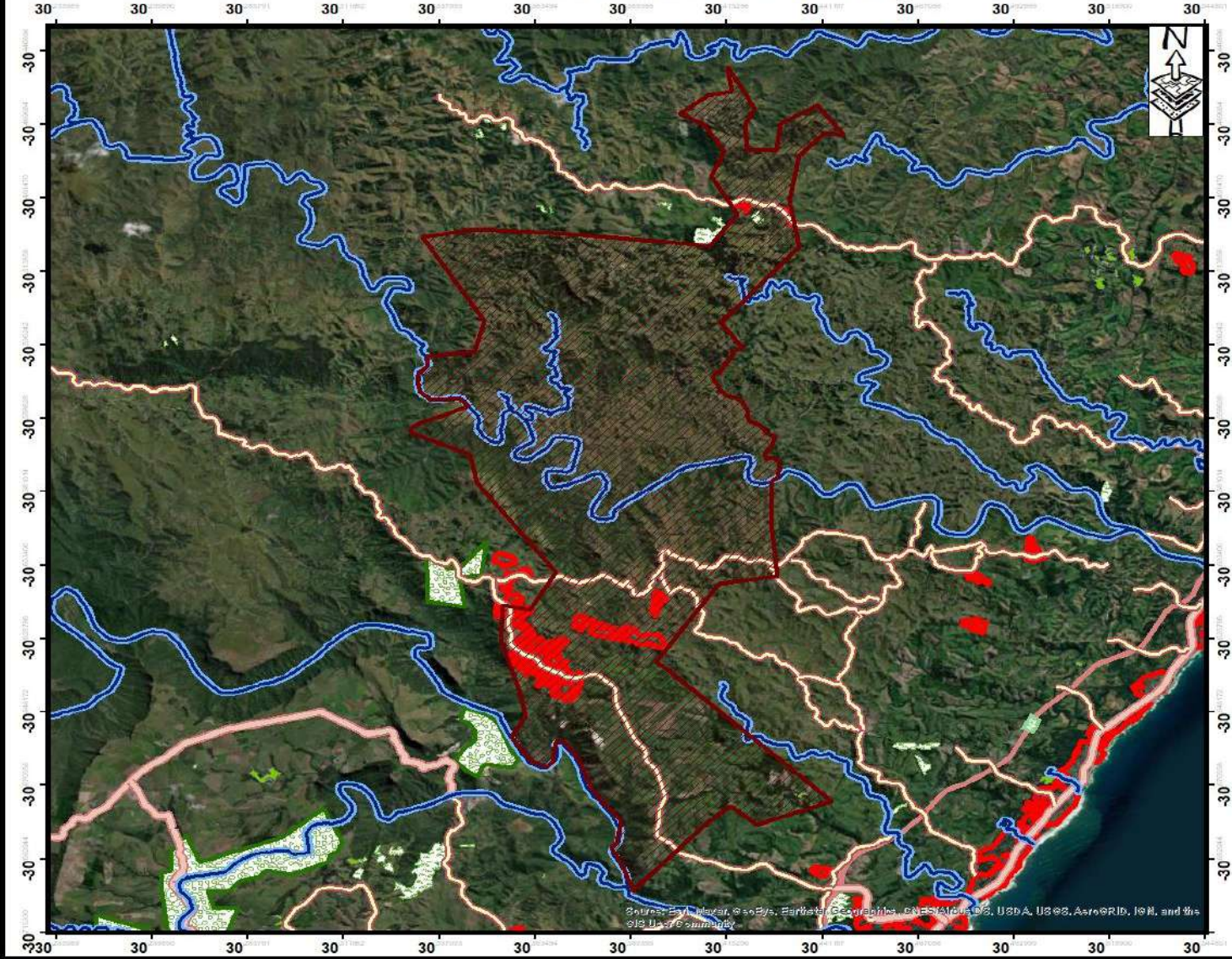
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Datum: WGS 1984
Units: Degree



Author: Joan Consulting (Pty) Ltd



Environmental Landuse Map

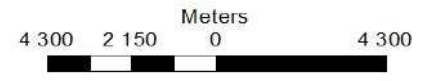


Legend

-  Prospecting Boundary
 -  Rivers
 -  River Bufferzone
 -  Tertiary_Roads
 -  Secondary_Roads
 -  Primary_Roads
 -  National_Roads
 -  Nature Reserves
- ### Landuse
-  Cultural Landuse
 -  Orchard / Vineyard
 -  Plantation
 -  Recreational Landuse
 -  Residential Landuse
 -  Unclassified Urban Area
 -  Buildings_OSM
 -  Buildings_NGI

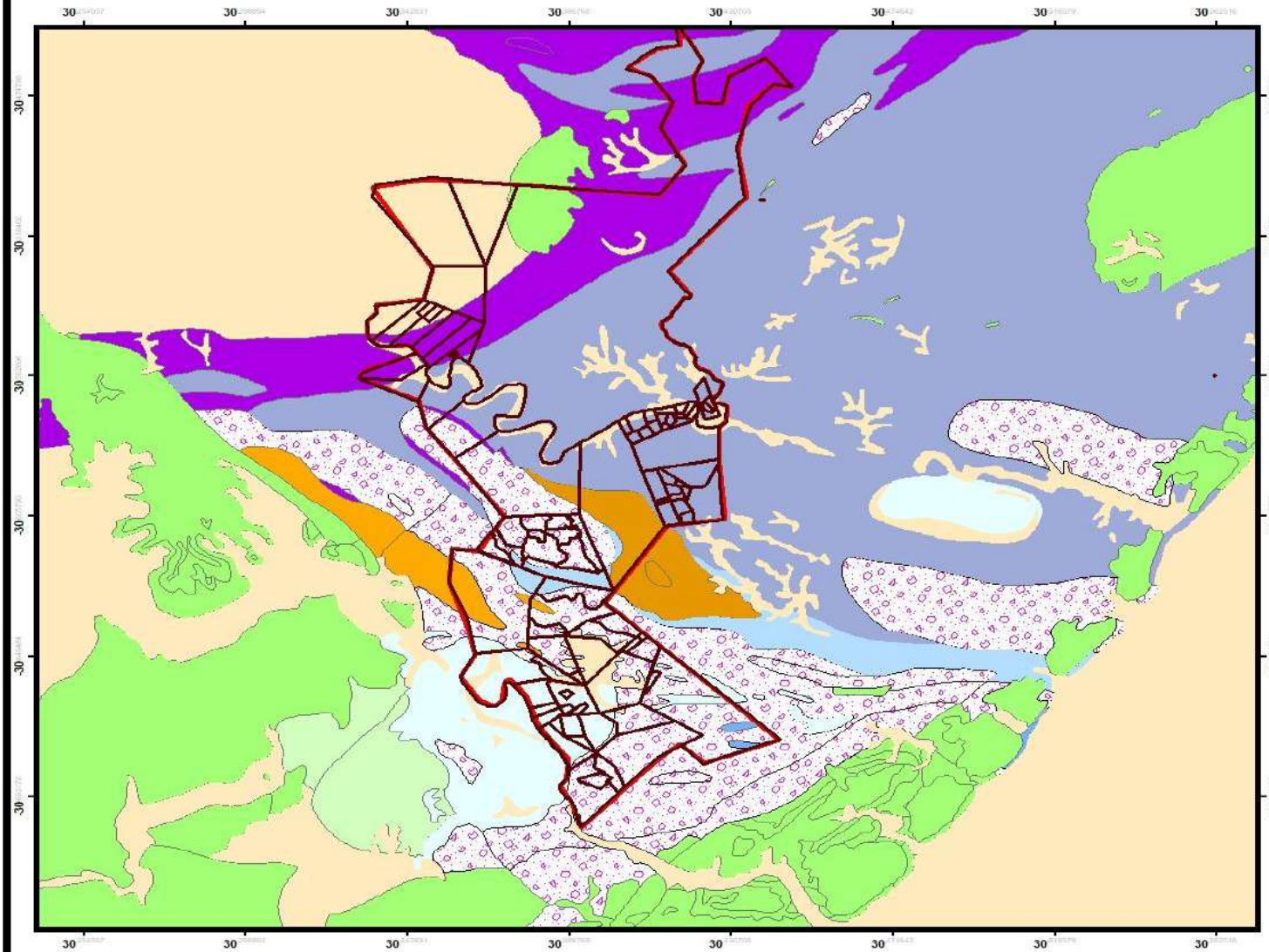


Author: Joan Consulting Pty Ltd



Source: Esri, DeLorme, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Geology Map of the Proposed Prospecting Application



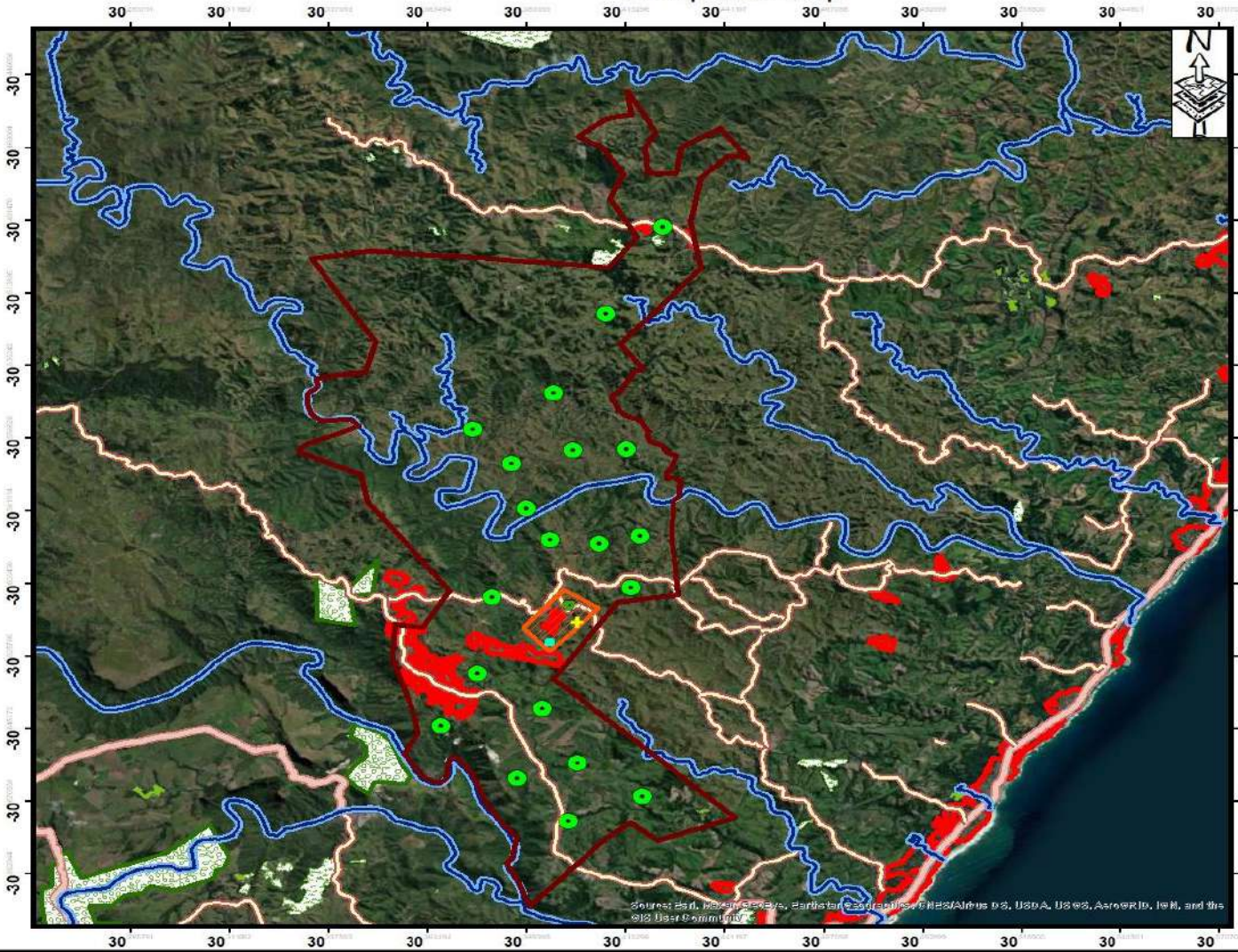
Legend

- Prospecting Boundary
- Farm Portions
- Alluvium
- Post Namaqua (Karoo, Natal)
- ORIBI GORGE GRANITOID
- INGWE GRAN ODIORITE
- SEZELA
- MAHLONGWA GRANITE
- HUMBERDALE GRANITE
- MZIMLILLO GRANITE
- MARGATE GRANITE
- EQUEEFA
- SIKOMBE GRANITE
- Margate Terrain
- MKOMAZI GNEISS
- MAPUMULO, Mapumulo
- Mzimkulu Terran
- MZUMBE GRANITOID

Coordinate System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree



Composite Map



Legend

- Borehole 1-20
- Ablution Facilities
- Offices
- Core Yard
- Equipment Storage
- Prospecting Boundary
- Site Establishment
- Rivers
- River Bufferzone
- Tertiary_Roads
- Secondary_Roads
- Primary_Roads
- Nature Reserves

Land use

- Cultural Landuse
- Orchard / Vineyard
- Plantation
- Recreational Landuse
- Residential Landuse
- Unclassified Urban Area

22 Mar 2023
 Scale: 1:50 000

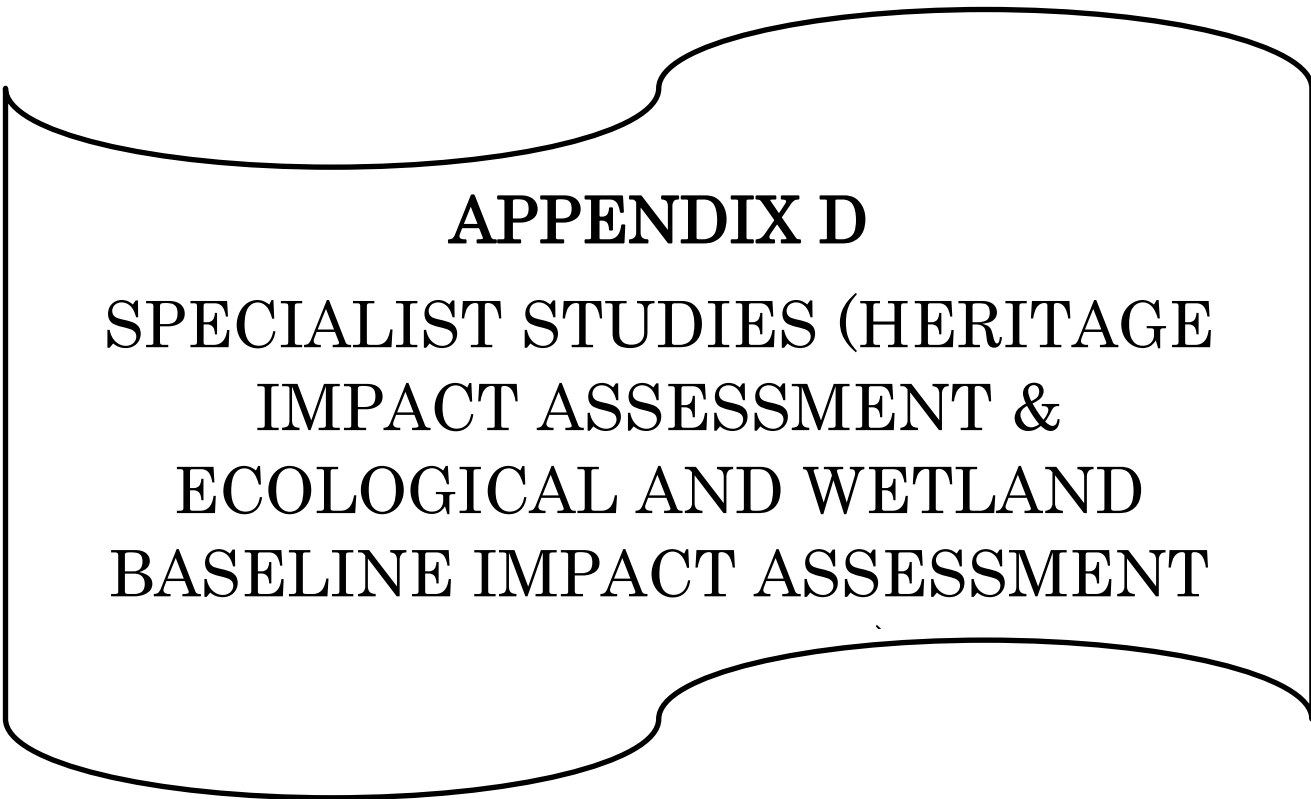
Coordinate System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree

Author: Joan Consulting Pty Ltd

Meters

4 300 2 150 0 4 300

Sources: Esri, DeLorme, GeoEye, Earthstar Geographics, CNRS/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



APPENDIX D
SPECIALIST STUDIES (HERITAGE
IMPACT ASSESSMENT &
ECOLOGICAL AND WETLAND
BASELINE IMPACT ASSESSMENT