

ENVIRONMENTAL IMPACT
ASSESSMENT REPORT FOR
EXCLUSIVE PROSPECTIVE LICENSE
(EPL 8759)
ERONGO REGION

By:

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EXECUTIVE SUMMARY

The proponent propose to undertake exploration activities on Exclusive Prospecting Licence (EPL) 8759 for base and rare metals, industrial minerals, and precious metals in the Daures constituency, Erongo Region. The EPL 8759 is located 86 km northeast of Arandis and 70 km southwest of Usakos, and it can be easily accessible via the D1930 road.

The proposed project triggers listed activities in terms of the Environmental Management Act No. 7 of 2007, therefore an Environmental Clearance Certificate is required. As part of the Environmental Clearance Certificate application, an Environmental Impact Assessment has been undertaken in compliance with the Environmental Management Act No. 7 of 2007 and its associated regulations. This Environmental Scoping Report and Environmental Management Plan shall be submitted to the competent authority as part of the application for the Environmental Clearance Certificate.

The proposed project will entail exploration methods on EPL 8759 which will include: detailed geological mapping, electromagnetic and geophysical surveys, drilling and core sampling. If required, some vegetation may be cleared to allow access tracks and working areas to be created and for the installation and development of exploration drill holes. The duration of exploration activities is anticipated to be conducted over the course of a 3-year period, which also the duration of the EPL 8759 validity. The duration of each exploration programme shall be refined when detailed geological information are available. Once the exploration is successful and feasible, exploration operations can potentially transcend into mining a separate detailed Environmental Impact Assessment.

The EPL 8759 is within the Acacia Tree-and-Shrub Savanna biome and has Karstveld and Thornbush Shrubland vegetation types. It also supports a 'medium-low' terrestrial diversity of animal and plant life compared to the rest part of Namibia. The plant diversity in the EPL 8759 and vicinity has a few species due to the area receiving less rainfall than other areas in the country. The EPL covers an area of ~ 17782 Ha over the farm Twyfel , Vrede , Ootmoed , Schwarz Spitzkoppe , Oberwasser , Okambahe Reserve and Harmonie with land use dominated by small-scale livestock farming and wildlife.

This environmental and social impact assessment was undertaken using a methodology as per the Environmental Management Act and international best practices. The scoping process also includes a desktop review and field assessments during the site visit. Insignificant sensitive receptors were identified during the scoping process – and the only potential environmental risks that may require further investigation were dust, noise, health and safety, visual, land use, waste, ecological, groundwater and surface water, heritage and socioeconomic.

After further investigation, it was determined that the potential effects from the activities that will take place on EPL 8759 were considered to be of minor significance, once mitigations are implemented as summarised in the EMP which includes, but are not limited to:

- Local community shall be provided at least two weeks' notice of drilling operations and avoid drilling within 1km of their property.
- Regular communication with local community in order to identify any concerns or issues, and appropriate mitigation and management measures shall be further agreed.

The potential effects are therefore deemed not significant, localised if mitigation measures are complied with, thus the assessment is considered to be comprehensive and sufficient — thus no further assessment is required. Therefore, it is of the opinion of the environmental assessment practitioner (EAP) that an environmental clearance certificate could be issued, on conditions that the management and mitigation measures specified in the EMP are implemented and adhered to

INTRODUCTION

The proponent proposes to undertake exploration activities on Exclusive Prospecting License (EPL) 8759 in the Erongo Region, with interest in base and rare metals, dimension stones, industrial minerals and precious metals. The EPL is located about 86.05 km north northeast of Arandis and about 70 km southwest of Usakos. It covers an area of 17782.2417 Ha and extends over the following Farms, namely: Twyfel, Vrede, Ootmoed, Schwarz Spitzkoppe, Oberwasser, Okambahe Reserve and Harmonie

The Exclusive Prospective Licence (EPL) was granted by the Ministry of Mines and Energy, but activities may not commence prior to the completion of an Environmental Impact Assessment (EIA) and the issuance of environmental clearance in accordance with the Environmental Management Act of 2007.

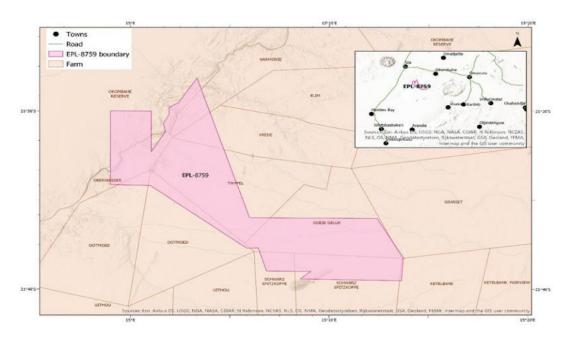


Figure 1 Map showing the location and the relative extent of the EPL.

SCOPE OF THE STUDY

The scope of the EIA is to determine the potential environmental impacts arising from the proposed activities by doing a risk assessment. Relevant environmental data has been compiled by making use of secondary data from desktop work and limited field work. Existing fauna and flora data from the national database was used to assess the impacts on biodiversity. The EIA Report and EMP will enable stakeholders to make informed judgements regarding the exploration activities from an environmental perspective.

OBJECTIVES OF REPORT

The objective of this assessment was to establish baseline environmental conditions and understand the potential impacts that could arise from the proposed activities of the various phases of the project. Additionally, it is to provide The Ministry of Environment and Tourism with the assessment document in order for the Environmental Commissioner to issue an Environmental Clearance Certificate (ECC) for the exploration activities on EPL 8759. Possible environmental impacts were identified and assessed with recommendations on appropriate mitigation measures.

Some objectives of the Environmental Impact Assessment study were:

- To define the project scope
- To recognize and measure any potential destruction to flora, fauna and natural surroundings;
- To highlight the positive inputs towards the Namibian economy through employment creation and foreign capital gains through investments
- To plan the provision of infrastructure and develop mitigation measures to minimize pollution, environmental disturbance and nuisance during the various phases of the project
- To recognize, assess and specify methods, measures and standards to be included in the detailed design, construction and operation of the project necessary to moderate these environmental impacts and cumulative effects and reduce them to tolerable levels;
- To facilitate an informed, transparent and accountable decision-making process by engaging with the relevant authorities and private landowners.

Furthermore, mitigation measures and continuous monitoring programme will be described in the Draft of Environmental Management Plan (EMP).

THE ROLE OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)

Miss Hilya Amukwa is the Environmental Assessment Practitioner (EAP) undertaking the EIA and the responsible person completing this report. Miss Martha Haludilu, a policy analyst and information practitioner, assisting in the EIA with the due diligence on the environmental desktop studies, conducting economic, background, environmental, law and policies research on the project.

THE ROLE OF THE PROPONENT

The proponent will uphold and be bounded to the EMP for the duration of the project, the proponent will make sure that the status quo of health and safety of the workers is upheld and that there will be fairness within the project.

ADMINISTRATIVE AND LEGAL FRAMEWORK

The EIA is based on the requirements of the Namibian Environmental Management Act (Act. No. 7 of 2007), as well as supporting policies and guidelines, which include the environmental regulations of February 2012. An Environmental Clearance Certificate for mineral exploration activities is required and thus an EIA and Environmental Management Plan (EMP) needs to be submitted to the Ministry of Environment and Tourism (MET) of Namibia for approval. In agreement with the national legal framework, the following laws are relevant to the exploration program for base and rare metals, dimension stones, industrial minerals and precious metals groups of minerals on EPL 8759.

YEAR	LAW/ORDINANCE	APPLICABILITY	
1990	The constitution of Namibia (1990)	✓ Preservation of Namibia's	
	Article 95 (1)	Ecosystems, essential ecological	
		process and biological diversity	
		✓ Sustainable use of Natural Resources	
2007	Labour Act No. 11 of 2007 & Rules	✓ Safety and health requirements	
	and Regulations promulgated under the		
	Act.		
1998	Affirmative Action (Employment) Act	✓ Fair employment practice	
	No. 29 of 1998		
1995	Namibia's Environmental Assessment	✓ Prescribes Environmental Impact	
	Policy for Sustainable Development and	Assessments for any developments	
	Environmental Conservation of 1995	with potential negative impacts on	
		the	
		Environment	
2013	Water Resources Management Act 11	✓ Effluent discharge permit	
	of 2013	required under section 70	
		✓ Water related pollution	

		and abstraction
2012	Environmental Management Act 7 of	✓ Establishes Principles for EA
	2007 with Regulations of 2012	✓ Ensures that significant effects of
		activities are considered
		timorously and carefully
		✓ Allows for opportunities for
		participation by I & APs
		throughout
		the assessment process
1975	Nature Conservation Ordinance 4 of	✓ Protection of various species
	1975 with amendments and special	
	regulations	
1996	Nature Conservation Amendment Act 5	✓ To provide for an economically
	of 1996	based system of sustainable
		management
		and utilization of game in communal
		areas
1969	Soil Conservation Act No. 76 of 1969	✓ To consolidate and amend the
		law relating to the combating
		and prevention of soil erosion,
		the conservation, improvement
		and manner of use of the soil
		and
		vegetation and the protection of the
		water sources
1974	Hazardous Substance Ordinance 14 of	✓ Pollution prevention
	1974, and amendments	
1999	Draft Pollution and Waste Management	✓ Protection for particular
	Bill (1999)	species, resources or
		components of the
		environment

2004	National Heritage Act 27 of 2004	✓ Disturbance of archaeological	
		or cultural sites	
1992	Minerals (Prospecting and Mining) Act	✓ Exploration and	
	33 of 1992 and special regulations	exploitation of mineral	
		resources	

DESCRIPTION OF THE PROJECT

LOCATION

The EPL is located about 86.05 km north northeast of Arandis and about 70 km southwest of Usakos. It covers an area of 17782.2417 Ha and extends over the following Farms, namely; Twyfel, Vrede, Ootmoed, Schwarz Spitzkoppe, Oberwasser, Okambahe Reserve and Harmonie. Below is a figure showing the corner coordinates of the EPL 8759.

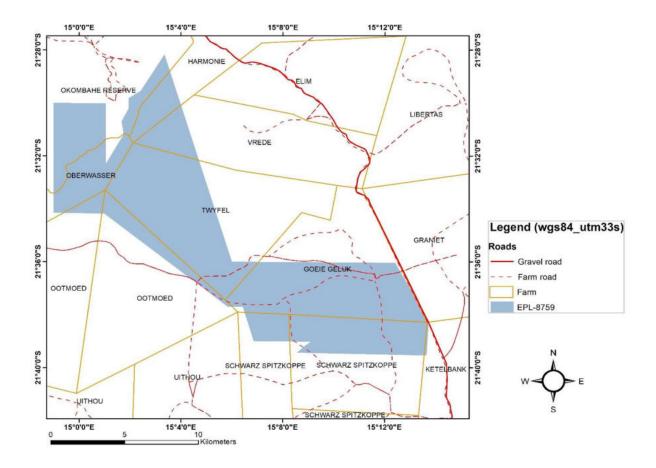


Figure 2 Farm Map

Order	Latitude		Longitud	d
			е	
Part 1				
1	21° 39' 32.00''	S	15° 13' 39.00''	E
2	21° 39' 26.01''	S	15° 08' 33.47''	E
3	21° 39' 25.62''	S	15° 08' 33.47''	Е
4	21° 39' 08.63''	S	15° 08' 54.54''	Е
5	21° 39' 01.58''	S	15° 09' 05.43''	E
6	21° 39' 01.57''	S	15° 09' 03.29''	Е
7	21° 39' 01.00''	S	15° 09' 04.00''	E
8	21° 39'	S	15° 06'	E
9	00.00" 21° 38' 59.43"	S	52.00" 15° 06' 51.37"	E
10	21° 37' 41.74''	S	15° 06' 25.84''	E
11	21° 37' 42.37''	S	15° 05' 50.75''	E
12	21° 34' 11.25''	S	15° 00' 59.63''	Е
13	21° 34' 11.25''	S	15° 00' 58.34''	Е
14	21° 34' 11.00''	S	15° 00' 58.00''	E
15	21° 34' 09.00''	S	14° 59' 00.00''	E
16	21° 30' 00.00''	S	14° 59' 00.00''	E
17	21° 30' 01.00''	S	15° 01' 03.00''	E
18	21° 32' 18.00''	S	15° 01' 03.00''	E
19	21° 31' 11.00''	S	15° 01' 45.00''	Е
20	21° 30' 42.00''	S	15° 01' 40.00''	E

21	21° 30' 12.00''	S	15° 01' 57.00''	Е
22	21° 29' 49.00''	S	15° 01' 57.00''	E
23	21° 29' 33.00''	S	15° 02' 25.00''	E
24	21° 28' 10.00''	S	15° 03' 21.00''	E
25	21° 36' 00.00''	S	15° 06' 00.00''	E
26	21° 36' 02.00''	S	15° 12' 25.00''	E
27	21° 38' 14.00''	S	15° 13' 44.00''	E

Figure 3 Corner coordinates of EPL 8759

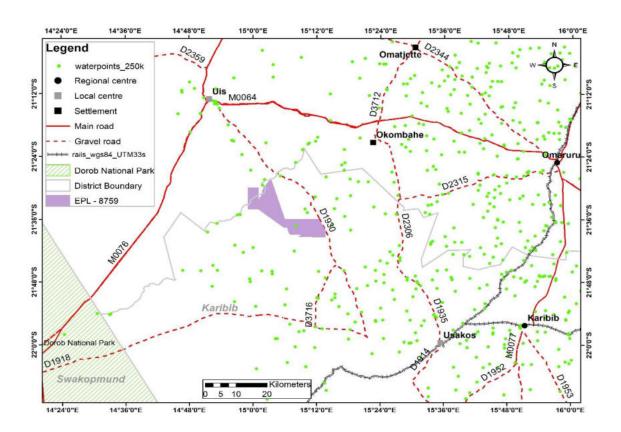


Figure 4 Locality map

The EPL can be accessible through the Spitzkoppe road through the D1930 gravel road route from the B2 road.

THE RECEIVING ENVIRONMENT

GEOLOGICAL SETTING

The geology of the EPL area is dominated by metamorphic rocks of Damara age. Marbles and mica schists of the Swakop Group underlie the EPL. They are exposed along the river course of the Omaruru River. In places, Damaran granites intrude the metamorphic. Outcrop of these intrusive occurs at several places within the EPL.

Flat lying areas are formed of calcretised gravel plains covering the rocks of the Swakop Group. Calcretised areas occur to the south and west of Klein Spitzkoppe and in the central parts of EPL 3851. The northern target on the EPL situated northwest of the Omaruru River probably represents an ancient river channel of the Omaruru River.

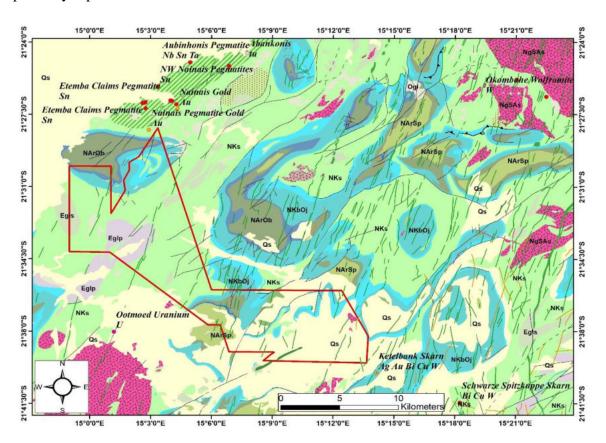


Figure 5 Geological map

ENVIRONMENTAL OVERVIEW

The information provided in this chapter is based on a literature survey of various sources. Wherever possible, these results were verified during the field visit.

Climate

Climate has a major influence on all aspects of life in Namibia. This applies to the availability of water, wind and temperature patterns, agricultural potential, life-stock farming, recent, historical and archaeological occurrences of settlements, as well as the distribution and abundance of wildlife and vegetation. As not otherwise stated the information given in this section is sourced from the Atlas of Namibia (Mendelsohn et al, 2002).

Precipitation

Rainfall in the EPL area is low and highly variable. According to available data, the average annual rainfall lies between 50-100mm/year in the west of EPL 3851 and 100 – 150mm/year for the east of the EPL area. Peak rain months are between January and March. Unfortunately, no precise rainfall data could be obtained for the last two rainy seasons 2007/2008 and 2008/2009, which were exceptionally good. The intensity of the last rainy season was still obvious during the field visit as a dense grass cover was found in nearly all parts visited.

The western parts of the EPL area lies within the fog belt of the Namib Desert. Occasionally moist air from the coast is blown on-shore across the gravel plains to higher elevations where it will cool down and form fog. 25 - 50 days of fog/year can be expected for the EPL area.

Potential / actual impacts

- Dehydration of workforce especially during summer and east-wind conditions
- Sunburn risk
- Exposure in extreme cold and windy events

Wind

No detailed information for the EPL area regarding wind direction and intensity could be obtained at the present stage.

In central western Namibia, winds are predominately from the south and west for most times of the year. During the winter months high-pressure systems over the interior of southern Africa because strong north-easterly winds, so-called Berg winds. In this area, winds are

blowing overnight from South, in the morning from Southeast and during the afternoon from Southwest. At daytime, a moderate breeze of approximately (20 to 29 km/h) is always expected. Whilst gusts up to 55 km/h are possible.

Rainfall and Temperature

Namibia lies within in tropics and is thus regarded a hot country. However, temperatures vary during the day, seasonally and geographically. The closer an area is situated to the coast, temperature extremes are moderated by the presence of the cold offshore current. As the EPL, area is under climatic coastal influence during most times of the year, minimum temperatures below freezing are seldom recorded. Average minimum temperatures are expected to be between 10 - 12°C, average maximum temperatures range between 30 - 32°C. However, during east-wind conditions (Berg wind, see below) temperatures can rise up to 40°C. The coldest month is August; hottest temperatures are reached in February. In general, seasonal temperature variances are not extreme, due to the effect of the cold ocean current. Spitzkoppe enjoys a hot desert climate in accordance with the Köppen-Geiger classification. The yearly average maximum temperature in Spitzkoppe is 29°C (ranging from 24°C in July to 33°C in October). Annual rainfall is 663mm, with a minimum of 0mm in July and a maximum of 197mm in February. The climate in the area is arid with a west-east gradient of average mean rainfall of 50-100 mm. Temperatures are high in summer (mean daily maximum for hottest month: 31-32°C) and moderate in winter (mean daily maximum for coldest month 9-10°C). In general zonal vegetation in this area has been described as "central Namib", "grass zone" and "tral Namib", "grass zone" and "Euphorbia damarana and "dwarf and Acacia shrubland of central west".

Topography and Drainage

The landscape is classified as being in Spitzkoppe, which is dominated by limestone with little or no surface run-off, strong development of sinkholes, dolines and caves. The EPL8759 is partially located within the catchment of the Omatako River (Figure 3), an ephemeral river catchment flowing in a north easterly direction and EPL8759 is located north of the headwaters of the Daneib river catchment (Figure 4). Surface drainage appears to be poorly developed within EPL8759 where rivers are poorly developed. The satellite imagery (Figure 2) reveals the presence of parallel dunes running east west within the eastern part of EPL8759. These dunes have subsequently been covered with vegetation.



Figure 6 showing a drainage area close to the EPL 8759

BIOLOCAL ENVIRONMENT

Flora and Fauna

The EPL area falls within the western-central Escarpment and Inselberg biome. The vegetation structure is described as sparse shrub land (Mendelsohn et al, 2002). Both target areas on the gravel plains are covered by various grass species. Shrubs only occur within small drainage lines. The main shrub types observed in the drainage lines *are Boscia foetida*, *Acacia sp.*, *Parkinsonia africana* and *Salvadora persica*.

In contrast to the poorly vegetated gravel plains, the riverbed of the Omaruru shows a variety of larger trees (Plate 8). As typical, for ephemeral river courses of western Namibia the following tree species were observed: Acacia erioloba, Faidherbia albida, Salvadora persica, Parkinsonia africana. Rocky outcrops within the EPL areas are additionally vegetated by Euphorbia damarana, Euporbia virosa, Commifora sp. and occasionally Boscia albitrunca. Invasive Prosopis sp. occur at many places in the EPL area. (Please note: the list of shrubs and trees is not complete and only names the most common species observed) as provided in figure 7 below.





Figure 7 Euphorbia Virosa

Wolfsmilch

SOCIO-ECONOMIC ENVIRONMENT

The land use is mainly for subsistence farming where in some cases the owners of the property live on the farms with their families and the employees too may have family members staying on the farm with them. From time to time, the farm owners may travel to nearby towns for access to food, fuel and medical services. The figure below renders a map of the farms within the EPL.

Livelihood

The Spitzkoppe Community (About 1 200 people live in the area) has since lived in the area. The Spitzkoppe area has spectacular natural resources and boasts some of Namibia's most unique sceneries and biodiversity, but at the same time, it is also a very sensitive environment under pressure from the number of visitors to the area and natural resource use. Schools face a lack of teaching materials and limited resources to offer the pupils the education needed. The people live in an area with very limited water resources. Water scarcity places a constraint on community income generation and development opportunities. The existing water resources are over exploited and to ensure future water security, the community has to take sustainable water management into consideration in their daily lives and business ventures, including tourism.

Heritage and Archaeology

An archaeological impact assessment was carried out for the proponent focusing on the proposed exploration activities on EPL 8759 near the Klein Spitzkoppe Mountain in the Erongo region. The assessment therefore reviewed the archaeological records, historical documents from the previous studies surrounding the area, interview with locals and a field survey as a basis of inference to conclude that damage or disturb sites or materials protected under the

National Heritage Act (27 of 2004) is unlikely to occur. However, due to the possibility that buried archaeological remains could become known in the course of construction work the client is advised to adopt the Chance Finds Procedure. See appendix c for heritage and archaeology consent letter and report.

Economy

Income is generated through small-stock farming, the informal sector and tourism, small mining of semi-precious stones and craft manufacturing sold to tourists. Spitzkoppe has limited land suitable for agriculture because of a lack of water. As a result, the existing land suited for grazing has been overgrazed.

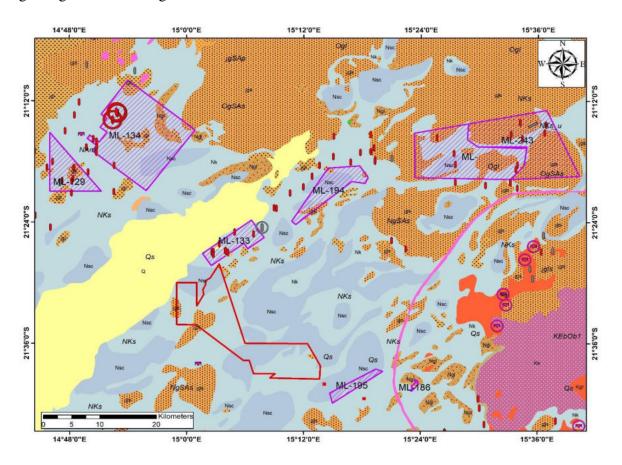


Figure 8 Economic map

See Appendix

Condition of housing in the area

As seen in the figure below the houses in the area are not in the best of conditions, they are bricked walled and falling apart in some places, but the farmers try to find a way to manage and fix the damages. The houses are well fenced of and are somehow secured.



Figure 9 Farmhouses cutting within the EPL 8759 area

PROJECT DESCRIPTION

Exploration follows three phases as described below. Firstly, there is a prospecting phase, then a drilling phase and lastly a pitting, trenching, bulk sampling and trial mining phase. Kunene Resources (Pty) Ltd plans to conduct a staged exploration approach as follows.

PROSPECTING

Aerial data is ascertained from existing maps and reports. In addition to this, the proponent plans to undertake remote sensing using an airborne electromagnetic survey. This consists of flying low over the terrain in a small dust cropper like aircraft using sophisticated equipment to survey the electromagnetic anomalies in the ground below. The outcomes of this survey and the desktop research must then be verified through fieldwork. Therefore, up to this point no physical disturbance is required.

Lithological (soil/rock) mapping, sampling and analysis will be necessary to verify the desktop and aerial survey work. The results from this initial lithological mapping may need further confirmation by means of small exploration pits as well.

Prospecting is in general a low intensity activity. Specifically, it constitutes the following:

- ✓ A prospector (Geologists and geo-technicians) walking through the area with a rock hammer and GPS examining and mapping the outcropped lithology.
- ✓ Collecting rock and sand samples by hand for either mineral or chemical analysis.
- ✓ Possible follow up pitting.
- ✓ It is estimated that a maximum of 6 persons would be needed for these field aspects

For the first 12 months, prospecting will be done by:

- ✓ Data collection and compilation of all available information into GIS digital format and interpretation of data (2 months)
- ✓ Mapping of the area & prospect pitting (2 months)
- ✓ Analysis of samples (4 months)
- ✓ Compilation of data and preliminary viability calculations (5 months)

For the remaining 24 months of the initial license tenement prospecting will be done by the following activities:

- ✓ The identification of potential mineral occurrences of base and rare metals, precious metals through additional remote sensing techniques.
- ✓ The identification of potential secondary mineral resources of economic interest. The
 area will also be looked at in the light of secondary mineralisation as well as for
 different types of mineral deposits.

EXPLORATION DRILLING, SAMPLE EXTRACTION AND ANALYSIS

This phase of exploration may begin in the first licence period or the subsequent licence periods. The most commonly used drilling techniques are Reverse Circulation Drilling (RC). This method is applied in exploration, resource evaluation and subsequently in defining an ore reserve.

RC Drilling uses a pneumatic hammer which drives a rotating tungsten-steel bit. The technique produces an uncontaminated large volume sample which is comprised of rock chips.

The target areas within the EIA which have been identified during the prospecting phase will then undergo exploration drilling to obtain undisturbed samples of the lithology which are associated with the specific minerals present. A number of consecutive drilling campaigns on increasingly closer-spaced exploration grids might be conducted. Drilling is initially done with the diamond coring technique. Once the type of ore body is understood, emphasis then lies on obtaining more closed-spaced samples for gaining confidence and information on the statistical variance. For this latter process, RC Drilling is the preferred technique.

If there are signs of specific target minerals present, then prospecting activities progress to more detailed work program. Drilling is then required to go deeper. Larger samples are geologically logged and analysed in a laboratory.

Exploration will take place during the daytime only and staff will either commute to site from the town or there would be an establishment of a drilling camp at an approved site within the EPL. Camp sites will be established in consultation with the local farm owners and be run according to strict conditions for control of litter and other disturbances.

Access will be organised along the existing roads as far as possible. Tracks for new access roads will be assessed for any environmental sensitivity. Solid waste will be removed off site and taken to Spitzkoppe approved landfill site. Ablution facilities will use chemical toilets and or sealed septic tanks and the sewerage taken to the Spitzkoppe sewerage plant periodically. No power supply infrastructure to the site is planned. Diesel power generation will be used. Temporary storage areas for drilling materials, machines etc. will be necessary at the camp. Security will be supplied on a 24-hour basis at the exploration camp. A fence surrounding the camp will be constructed to ensure people and domestic animals are not put at risk. These support services and facilities will be removed at the end of the 3rd phase of the exploration. An exploration team of 35 persons (4 drilling teams plus geologists and technicians) could potentially be required depending on the outcomes of the prospecting phase and the intensity of drilling requirements to meet the demands of market and investors.

Clearing of vegetation at the planned drill sites may be necessary and larger trees will be retained so that the bush can restore itself. Permits from the forestry directorate will be required for this purpose. Where necessary, stockpiling of top soil for rehabilitation at a later stage will be undertaken. Necessary landscaping of exploration areas will be undertaken upon completion of each phase of exploration.

PITTING, TRENCHING, BULK SAMPLING AND TRIAL MINING

In the advanced stage of exploration activities, larger amounts of sample material, whether a main mineral being targeted, or the secondary mineralisation target may be required for the performing processing trials and metallurgical testing programs. The ground conditions and geotechnical parameters would then be established with a view to extract the mineral from the ore reserve.

Bulk sampling for analytical processing will only be carried out if the material obtained during drilling is insufficient. Pits may be dug / excavated to a depth of 4m and 5 cubic meters of samples are taken. The location of the pits will depend on the drilling results. The size of the sample may be adjusted depending on the nature of the mineralisation observed from drilling. The pits and bulk sampling sites are determined from the results of the drilling and will most likely be where drilling had already taken place. A trench may span between drilling sites, thereby incurring additional disturbance.

The proponent plans to employ several people for the exploration phases. Initially, the exploration team doing field work would consist of a handful of geological personnel. During the drilling phase the exploration team will increase in numbers. For one RC rig the team consists of 4 members plus a driver. Each drill rig will have one foreman and one geologist assigned to it. The camp will have one chef and a camp manager. So, for a very intensive drilling programme, 3 RC will be needed. The total personnel number would be no more than 35 for this configuration. At this stage it is not clear how many rigs will be mobilised. During exploration, only temporary accommodation will be established within the respective EPL area.

STAKEHOLDER CONSULTATION

In terms of Section 7 of the Environmental Assessment Regulations (2012), this section provides details of Public Participation Process (PPP) undertaken in the compilation of this EIA scoping report.

Consultation with the public forms an integral component of an EIA investigation and enables Interested and affected parties (IAPs) e.g. neighbouring landowners, local authorities, environmental groups, civic associations and communities, to comment on the potential environmental impacts associated with the proposed development and to identify additional issues, which they feel, should be addressed in the EIA.

This background information document (BID) see Appendix B provided IAPs with the opportunity to register and engage in the public participation process. Through registering, they have the opportunity to:

- ✓ Provide the EIA coordinator with additional information which should be taken into account in the assessment of impacts and during decision-making;
- ✓ Attend meetings and obtain information about the proposed project;
- ✓ Share any comments, issues or concerns related to the proposed exploration activities;
- ✓ Review and comment on the draft report and EMP and findings from the EIA process.

Aim for Public Participation Process (PPP)

The aim for the Public Participation Process is not limited to:

- ✓ Informing Interested and Affected Parties (I&APs) of the proposed project;
- ✓ Identifying issues, comments and concerns as raised by I&APs;
- ✓ Promoting transparency and an understanding of the project and its consequences;
- ✓ Serving as a structure for links and communication with I&APs; and
- ✓ Providing local knowledge and input in identifying potential environmental (biophysical and social) impacts and "hotspots" associated with the proposed development.

The Ministry of Environment and Tourism defines the Environmental Assessment Regulations (2012) of the Environmental Management Act (2007), as a process in which potential interested and affected parties such as neighbouring landowners, local authorities, environmental groups, village councils and communities, to comment on the potential environmental impacts associated with the proposed project. Besides these legal requirements, the consultation of the public and other relevant stakeholders was undertaken to ensure that their voices are heard and taken into account during the decision-making process.

Advertisement and site notices

The public participation notices for the EIA were advertised over two consecutive weeks in The Namibian Newspaper on the. Furthermore, EIA notices were placed in Karibib, Usakos, Gaingu Conservancy, and Spitzkoppe.

Public Meeting held on Site

In compliance with the EIA Regulations (2012), public (I&AP) and all stakeholders were notified as a requirement for EIA process. Therefore, to incorporate the varying needs of stakeholders and I&APs, as well as to ensure the relevant interactions between stakeholders and the EIA specialist team, the public was invited to the public meeting at the Spitzkoppe Community hall,— as per the itinerary below:

Venue	Date	Time
Spitzkoppe community hall	27 August 2022	10:00AM - 12:00PM

Despite advertising the public meeting in the newspaper and their local radio, no one showed up for the meeting but the headman of the community and the secretary to the headman, we then proceeded to go view the site with the headman and got a chance to talk to some of the farm owners that the EPL falls under. The public interest on this project is minimal.



Figure 10 Site meeting with the headman

IMPACT ASSESSMENT

The purpose of this section is to assess and identify the most pertinent environmental impacts by describing certain quantifiable aspects of these impacts and to provide possible mitigation measures to minimize the magnitude of the impacts that would be expected from the various activities that constitute the proposed minerals exploration in EPLs 8759.

The following potential impacts on the environment during exploration activities have been identified:

- ✓ Dust
- ✓ Noise
- ✓ Health & Safety
- ✓ Visual
- ✓ Land Use
- ✓ Waste
- ✓ Ecological
- ✓ Groundwater and surface water
- ✓ Heritage
- ✓ Socio-Economic

These identified potential impacts have been evaluated. Mitigation measures are proposed for each aspect of the different potential impacts identified. Comments and concerns raised during the public consultation process have been considered and included.

Assessment methodology for evaluating potential impacts

Risk Event	Description of the risk that may lead to an impact.
Status (+ or -)	Positive - environment overall will benefit from the impact
	Negative - environment overall will be adversely affected by the impact
	Neutral - environment overall will not be affected
Extent	Site Specific Local (limited to within 15 km of the area)
	Regional (limited to ~100 km radius)

	National (limited to within the borders of Namibia)
	International (extending beyond Namibia's borders)
Duration	Very Short (days, <3 days)
	Short (days, 3 days - 1 year)
	Medium (months, 1 - 5 year)
	Long (years, 5 - 20 years)
	Permanent (>20 years)
Intensity	No Lasting effect (No environmental functions and processes are
	affected)
	Minor effects (The environment functions, but in a modified manner)
	Moderate effects (Environmental functions and processes are altered to such extent that they temporarily cease)
	Serious effects (where environmental functions and processes are altered such that they permanently cease and/or exceed legal standards/requirements)

Probability	Refers to the probability that a specific impact will happen following a	
	risk event.	
	Improbable	
	(low likelihood)	
	Probable	
	(distinct possibility) Highly probable	
	(most likely)	
	Definite (impact will occur regardless of prevention measures)	
Prevention	Measures to reduce the probability of an impact occurring.	
Significance (no	None (A concern or potential impact that, upon evaluation, is found to	
mitigation)	have no significant impact at all.)	
	Low (Any magnitude, impacts will be localized and temporary.	
	Accordingly, the impact is not expected to require amendment to the	
	project design.)	
	Medium (Impacts of moderate magnitude locally to regionally in the short	
	term. Accordingly, the impact is expected to require modification of the	
	project design or alternative mitigation.)	
	High (Impacts of high magnitude locally and in the long term and/or	
	regionally and beyond. Accordingly, the impact could have a 'no go'	
	implication for the project unless mitigation or re-design is practically	
	achievable)	
Mitigation	Description of possible mitigation measures	

Significance (with	None (A concern or potential impact that, upon evaluation, is found to	
mitigation)	have no significant impact at all.)	
	Low (Any magnitude, impacts will be localized and temporary.	
	Accordingly, the impact is not expected to require amendment to the	
	project design.)	
	Medium (Impacts of moderate magnitude locally to regionally in the short	
	term. Accordingly, the impact is expected to require modification of the	
	project design or alternative mitigation.)	
	High (Impacts of high magnitude locally and in the long term and/or	
	regionally and beyond. Accordingly, the impact could have a 'no go'	
	implication for the project unless mitigation or re-design is practically	
	achievable.)	
Confidence Level	The degree of confidence in the predictions, based on the availability of	
	information and specialist knowledge.	
	Low (based on the availability of specialist knowledge and other	
	information)	
	Medium (based on the availability of specialist knowledge and other	
	information)	
	High (based on the availability of specialist knowledge and other	
	information)	

Risk Event	Description of the risk that may lead to an
	impact.

Status (+ or -)	Positive - environment overall will benefit
	from the impact
	Negative - environment overall will be
	adversely affected by the impact
	Neutral - environment overall will not be
	affected
Extent	Site Specific
	Local (limited to within 15 km of the area)
	Regional (limited to ~100 km radius)
	National (limited to within the borders of
	Namibia)
Duration	Very Short (days, 3 days)
Duration	very short (days, 3 days)
	Short (days, 3 days -1 year)
	Short (days, 5 days 1 year)
	Medium (months, 1 - 5 year)
	, , , ,
	Long (years, 5 - 20 years)
	Permanent (>20 years)
Intensity	No lasting effect (No environmental
	functions and processes are affected)
	Minor effects (The environment functions,
	but in a modified manner)

	Moderate effects (Environmental functions
	and processes are altered to such extent that
	they temporarily cease)
	Serious effects (where environmental
	functions and processes are altered such that
	they permanently cease and/or exceed legal
	standards/requirements)
Probability	Refers to the probability that a specific
	impact will happen following a risk event.
	Improbable (low likelihood)
	Probable (distinct possibility)
	Highly probable (most likely)
	Definite (impact will occur regardless of
	prevention measures)
Prevention	Measures to reduce the probability of an
	impact occurring.
Mitigation	Low (Any magnitude, impacts will be
	localized and temporary. Accordingly, the
	impact is not expected to require
	amendment to the project design.)
	Medium (Impacts of moderate magnitude
	locally to regionally in the short term.
	Accordingly, the impact is expected to
	require modification of the project design or
	alternative mitigation.)
	High (Impacts of high magnitude locally
	and in the long term and/or regionally and
	beyond. Accordingly the impact could have
	a 'no go' implication for the project unless
	mitigation or re-design is practically
	achievable) Description of possible
	mitigation measures

Significance (with mitigation)	None (A concern or potential impact that,
	upon evaluation, is found to have no
	significant impact at all.)
	Low (Any magnitude, impacts will be
	localized and temporary. Accordingly, the
	impact is not expected to require
	amendment to the project design.)
	Medium (Impacts of moderate magnitude
	locally to regionally in the short term.
	Accordingly, the impact is expected to
	require modification of the project design or
	alternative mitigation.)
	High (Impacts of high magnitude locally
	and in the long term and/or regionally and
	beyond. Accordingly, the impact could have
	a 'no go' implication for the project unless
	mitigation or re-design is practically
	achievable.)
Confidence Level	The degree of confidence in the predictions,
	based on the availability of information and
	specialist knowledge.
	Low (based on the availability of specialist
	knowledge and other information)
	Medium (based on the availability of
	specialist knowledge and other information)
	High (based on the availability of specialist
	knowledge and other information)

Dust Impact

Risk Event	Disturbances to soil and rock resulting in
	excessive dust in the atmosphere
Nature of Impact	Prospecting work is likely to create minimal
	dust. Drilling using reverse circulation or

	impact drilling is very likely to create dust
	due to the nature of the technique. The
	generated dust impacts on personnel
	working in close proximity to the drilling
	rig. Impacts on the photo-transpiration
	efficiency of the surrounding plants can be
	hampered. The dusty plants are less
	palatable to grazing or browsing animals.
Status	Negative
Extent	Site Specific and possibly local depending
	on mobility of particles and
	prevailing weather conditions. Only on very
	windy days would visually impacting dust
	travel further than 15km. The source does
	not move unlike with trucks on dirt roads,
	so the impact is along a single vector.
Duration	Project duration specific
Intensity	Moderate effect in a radius of 150m. No
	known hazardous status of the substrate is
	expected
Probability	Probable
Significance (no mitigation)	Medium to Low. Natural weather
	conditions can create very dusty
	atmospheric conditions. The small scale and
	site-specific exploration activities contribute
	very little to the widespread ambient
	conditions that often prevail. Cars travelling
	on the access roads can create dust plumes
	trailing behind them. Exploration activities
	entail driving or walking to particular sites
	to collect samples. The impact is not
	persistent for the long term.
	1

Mitigation	Dust suppression techniques should be
	employed if the specific exploration activity
	is likely to create dusty atmospheric
	conditions in excess of the periodic
	extremes.
	1. Avoid activities that create excessive
	dust on extremely windy days.
	2. Personnel are required to wear
	personal protection equipment if
	excessive dust is created for
	prolonged working periods.
Significance (with mitigation)	Low
Confidence Level	High

Noise Impacts

Risk Event	Disturbance of sense of place and the effect on tranquil ambient noise levels
Nature of Impact	Potential noise sources during the
	exploration within EPL 8759 could
	originate from vehicles, blasting (when
	taking bulk samples), hammers, powered
	hand tools, excavators and drill rigs. The
	nuisance factor of these noise sources will
	depend on the proximity of the exploration
	activities to the national road, homesteads
	and sensitive animal habitats. Other vehicles
	travelling on the road contribute to the
	ambient noise levels.
Status (+ or -)	Negative
Extent	Site specific and Localized (up to 1km
	depending on the weather conditions)
Duration	Short

Intensity	Minor Effects (i.e. cumulative when near
	the national road) & Moderate Effects in
	quieter locations of farms, lodges and
	hunting establishments.
Probability	Definite
Prevention	Noise creation cannot be prevented
	completely and will occur and should be
	mitigated as best as possible.
Significance (no mitigation)	Medium
Mitigation	For rural districts the daytime ambient noise
	level requirement outlined in SANS 10103
	(2008) between 6am and 10pm is 45dBA.
	This is in line with the guidelines published
	by the World Health Organization (WHO).
	There are industry standards to which the
	noise sources (i.e. machinery) must comply.
	Regular maintenance of machinery should
	maintain the acceptable noise levels for
	operators working with the machines. The
	activities are to take place during daylight
	hours only. Periods of silence during the
	day may be necessary.
	The guidelines and PPE mitigations are
	discussed under the health and safety
	section.
	Arrangements to drill over the weekends or
	at other times need to be made with
	landowners so that there is no conflict with
	tourist, hunting or domestic activities.
	It is recommended that any complaints
	regarding noise be recorded in the bi-
	annual reports.
Significance (with mitigation)	Low

Confidence Level	High

Health & Safety Impacts

Nature of Impact	Noise:
	Long-term exposure to high levels of noise can
	cause permanent hearing loss. Neither surgery
	nor a hearing aid can help correct this type of
	hearing loss.
	Short-term exposure to loud noise can also cause a
	temporary change in hearing (your ears may feel
	stuffed-up) or ringing in your ears (tinnitus).
	These short- term problems may go away within
	a few minutes or hours after leaving the noisy
	area.
	Vibration:
	Different vibration types are defined as:
	Hand-Arm Vibration is defined as mechanical
	vibration that, when transmitted to the human
	hand-arm system, entails risks to the health and
	safety of workers, vascular, bone or joint,
	neurological or muscular disorders.
	Whole-Body Vibration is defined as the
	mechanical vibration that, when transmitted to
	the whole body, entails risks to the health and
	safety of workers lower back morbidity and
	trauma to the spine.
Status	Negative

Extent	Site Specific
Duration	Short but continuous exposure to high noise levels may lead to permanent
	hearing loss
Intensity	Moderate to Serious Effects
Probability	Probable
Prevention	Engineering controls that reduce sound exposure levels are available and technologically feasible for most noise sources. Engineering controls involve modifying or replacing equipment or making related physical changes at the noise source or along the transmission path to reduce the noise level at the worker's ear. The same goes for vibration. Choose low-noise tools and machinery. Maintain and lubricate machinery and equipment (e.g. oil bearings).
	Place a barrier between the noise source and employee (e.g., sound walls or curtains). Enclose or isolate the noise source.
Significance (no mitigation)	High
Mitigation	Noise:
	OSHA sets legal limits on noise exposure in the workplace. These limits are based on a worker's time weighted average over an 8-hour day. With noise, OSHA's permissible exposure limit (PEL) is 90dBA for all workers for an 8-hour day. The

OSHA standard uses a 5dBA exchange rate. This means that when the noise level is increased by 5dBA, the amount of time a person can be exposed to a certain noise level to receive the same dose is cut in half.

The WHO guideline on maximum noise levels to prevent hearing impairment set noise level limits at an average of 70 dBA over a 24-hour period with maximum noise levels not exceeding 110 dBA during the period. These latter limits would apply if the daytime shift is prolonged beyond the 8-hour day.

Mitigation include:

Operating noisy machines during shifts when fewer people are exposed. Limiting the amount of time, a person spends at a noise source.

Providing quiet areas where workers can gain relief from noise sources

Where possible, restricting worker presence to a suitable distance away from noisy equipment. (Controlling noise exposure through distance is often an effective, yet simple and inexpensive administrative control.)

In open space, for every doubling of the distance between the source of noise and the worker, the noise is decreased by 6dBA.

Hearing protection devices, such as earmuffs and plugs, are considered an acceptable, but less desirable option to

	control exposures to noise.
	Vibration:
	Industry vibration regulations set daily
	exposure limit values and action values for
	both hand-arm and whole-body vibration
	for eight hour shifts. Personnel can work
	shorter shifts where conditions exist
	causing excessive vibration.
Significance (with mitigation)	Low
Confidence Level	High

Health and Safety Impacts

Risk Event	Injury risks due to normal working conditions
Nature of Impact	The potential impacts on human health and safety resulting from exploration activities could include occupational accidents and injuries, vehicle accidents, exposure to weather extremes, trips and fall on uneven terrain, adverse health effects from dust generation and emissions, and contact with hazardous materials. The potential for these impacts to occur would be low because of the limited range of activities and number of workers required during exploration. Kunene Resources follows a set of industry-specific safety and health policies on the workplace. Operational procedures during tanker ship offloading pose numerous risks to operational personnel. These risks are

	assessed in terms of the predicted impact if
	realized. Typical examples are:
	Carcinogenic effects of some petroleum products
	Breathing in excessive fumes
	Product contact with eyes and skin
	Slipping on wet surfaces
	Working at heights
	Muscular injury from incorrect lifting techniques
Status (+ or -)	Negative
Extent	Site Specific
Duration	Permanent
Intensity	Minor to Serious Effects
Probability	Highly probable
Prevention	The operations of the exploration can cause
	serious health and safety risks to workers on
	site. Occupational exposures are normally
	related to dermal contact with fuels and
	inhalation of fuel vapors during handling of such products. For this reason, adequate
	measures must be brought in place to ensure
	safety of staff on site.
	An integrated health and safety management
	system acts as a monitoring tool and
	mitigating tool. The monitoring tools are
	elaborated upon in the EMP.
	Typical mitigating measures within the

	► Operational and procedural manuals
	► Health and safety training
	► Housekeeping rules
	► Colour coding areas, pipes,
	equipment and substances
	► Signage for personal protective
	equipment (e.g. protective clothing
	like safety boots and hard hats)
	► Safe working procedures and permits
	to work
	► Emergency response plans
	► Material Safety Data Sheets (MSDS)
	► First aid treatment and training
	► Medical procedures and emergency
	services
	➤ Daily safety reminders and/or drills
	► Regulations for handling fuel
	The MSDS gives health related medical responses for personnel assisting staff who are exposed to the fuels.
Significance (no mitigation)	Medium
Mitigation	Procedures for dealing with injuries or
	accidents must be in place and all contact
	details for emergency personnel available.
	The company safety manual is used as
	developed by the guidelines and statutory
	requirements under the Labour Act.
Significance (with mitigation)	Low

Confidence Level	High

Visual Impacts

Risk Event	Changes to the aesthetic appeal of the area due to presence of people, vehicles and machinery. Visible changes to habitats due to human activities.
Nature of Impact	The experience of enjoying the vista unobstructed by human activities is considered highly desirable. Impact to visual resources would be considered adverse if the landscape were substantially degraded or modified. Exploration activities will only have temporary and minor visual effects, resulting from the presence of workers, vehicles and other equipment. Exploration activities would possibly contribute to this to some degree through drill pad and road construction. Prospecting phase activities would have negligible effect on this aspect.
Status	Negative
Extent	Localised
Duration	Short (presence of vehicles, personnel and machinery) Long (un-rehabilitated prospecting holes or pits)
Intensity	Moderate Effects
Probability	Definite
Prevention	For exploration to take place, personnel, vehicles and machinery will be deployed into the area for the short term periodically. Exploration is not possible without disturbing small sections of the various habitats.
Significance (no mitigation)	High

Mitigation	Best practice methodologies for exploration will be employed. They may include the following: (Some of these also apply to mitigations for ecological impacts as well) As far as is possible existing roads and tracks are used to access target sites for sampling and drilling. Walking to target sites being careful not to disturb plants and faunal habitats.
	Personnel to be trained regarding the observable signs of faunal and floral biodiversity and the avoidance of habitat disturbance.
	Minimize the footprint of personnel, vehicles and machinery. As far as is possible no vegetation is to be removed. Where new roads are constructed the methods should be low intensive and possibly use manpower and not machines. New roads if planned well could assist with the future objectives of the farm, lodge or hunting establishment.
	Rehabilitate habitats through the removal of obvious signs of human presence. Remove all waste daily and dispose of it in the appropriate manner. Removal of machinery from the exploration sites if periods of inactivity are protracted.
	Drilling and subsequent phases should take place during the least busy tourism period as a measure to circumvent the negative publicity
Significance (with mitigation)	Medium
Confidence Level	Medium. Often, the sites that are disturbed and rehabilitated at least from an aesthetic perspective will in time be recolonized by both plants and animals. The aim is to minimize the footprint so as to achieve the

least impact due to anthropogenic influences.
There is no way to predict that changing the drilling
period to less busy tourist times, that tourists, even if
fewer in number, will not publish negative publicity.

Land use Impact

Risk Event	Users and owners of the land could potentially experience restrictions to their constitutionally entitled liberties.
Nature of Impact	EPL 8759 lies within state owned land and privately- owned land consisting of farms which are privately owned. Sometimes mineral exploration within the farming area is believed to be in opposition to the commercial, societal and biodiversity objectives of farming and natural environments. A Potential win-win scenario could be sustainable for the farms and mining providing for future generations. The value that mineral exploration and later still possible mining could bring to the district needs to be discussed between the company and the landowners.
Status	Negative
Extent	Regional
Duration	Short (non-tourism/nature reserve farms within the EPL) Long (tourism-based farms within the EPL)
Intensity	Minor Effects (non-tourism/nature reserve-based farms) Serious Effects (for tourism-based farms)
Probability	Definite
Prevention	Exploration implies the presence of an exploration

	team. The exploration activities would take place within sensitive nature reserve or tourist-based areas. Thus, it would not be possible to avoid the conflict of land use
Significance (no mitigation)	High. The mineral exploration phase activities may impinge on the rights of the farmers or lodge owners.
Mitigation	Law requires that permission be provided through the issuing of an environmental clearance certificate for this listed activity. The EIA process facilitates a transparent process by which concerns can be raised. Common decency will direct the proponent to inform all stakeholders of the starting date for the activities once a positive record of decision has been issued by the government. The proponent (company) is subservient to the conditions laid down by the clearance certificate and the law that upholds it. The implementation of the exploration program will be in accordance with the approved Environmental Management Plan (EMP). The draft EMP can be found in Appendix .
Significance (with mitigation)	Medium to Low (the EMP must be strictly implemented and all efforts are made to reduce the impacts on the biodiversity, commercial and social aspects of the farmers)
Confidence Level	Medium The Ministry of Environment & Tourism may need to clarify and justify any grounds for which the exploration company will not be able to undertake exploration activities within the EPL areas.

Waste Impact

Risk Event	Waste Production
Nature of Impact	The ability of a substance to be waste which must be cleaned up and or removed. Most of the waste produced will result from maintenance work performed on the machinery. Spilled product is also regarded as waste. Packaging from food products is included.
Status (+ or -)	Negative
Extent	Site Specific
Duration	Short
Intensity	Minor Effects
Probability	Definite
Prevention	Spillage prevention is possible through employing trained personnel and implementing general maintenance and upkeep of equipment.
Significance (no mitigation)	Medium
Mitigation	Spills and leaks must be reported and cleaned up without delay. Workers will be made aware of their isolated living conditions, any goods for private use or for the business need to be brought a long way to the site and any waste generated also
	must be taken a long distance to the next dumping site. Therefore, avoidance of waste generation and recycling of all applicable materials are to be actioned daily.

	Sewerage waste is to be removed from site. The department of water affairs have provided guidelines for the establishment of septic tanks.
Significance (with mitigation)	Low
Confidence Level	High

Ecological Impacts

Risk Event	Exploration activities may affect biodiversity of fauna and flora directly or through habitat alteration.
Nature of Impact	Through the exploration for mineral resources there is potential for impacting the diversity of species within the various habitats by reducing population numbers of a particular species within the EPL. Pressures on the population numbers can potentially pressurize the populations within an area to an extent that causes the species to no longer exist within that area. Should a species be endemic to that same area then the risk of extinction is high. Altering the habitat can potentially result in the same outcome. For the most part the endemic species found within the area under assessment are also found elsewhere in the country. However, there may be exceptions and a precautionary approach must be taken. The species that are classified as Near Threatened, Vulnerable and Critically Endangered are those that although found elsewhere in Namibia should be taken cognizance of. Their specific habitat and feeding, breeding, nesting and migratory habits must not be impacted upon in the least degree.

Status	Negative
Extent	Localized
Duration	Short to Medium term
Intensity	Serious effect if an individual/s is/are disturbed or destroyed/killed
Probability	Probable
Prevention	Though the habitats will remain relatively undisturbed due to the very low percentage footprint of activities planned, without prior knowledge of the whereabouts of the vulnerable, threatened and critically endangered species and their preferred habitat, it may not be possible to prevent an impact, regardless of how small it might be.
Significance (no mitigation)	High Though the intensity of the exploration is very low, as already explained, the significance of the impact is considered high based on the sensitivity of the species that occur here.
Mitigation	Those areas targeted for exploration will be accessed along existing roads and tracks as far as possible. Many of the sites will initially be visited on foot. The latter two exploration phases may need to produce new tracks to access targeted sites. Dry water courses provide the next option for gaining access to remote sites for vehicles where no tracks formerly exist. These habitats are occasionally disturbed by flash floods and must re-establish communities of fauna and flora thereafter. Exploration teams need to be trained and provided orientation on how to best access sites for exploration

	with least impact on the observable and hidden signs of
	fauna and flora and their habitats.
	Rehabilitation of sites that have been explored must
	restore the sites, as far as is possible to their prior state
	to mitigate the visual impact and to allow for the best
	possible re-colonization of the site, by plants and
	animals.
	Tree surveys prior to clearing roads and drill pads are
	mandatory and forestry permits are required by law.
	NO PROTECTED TREES SHOULD BE FELLED.
Significance (with mitigation)	Low
Confidence Level	Medium. Knowledge of the whereabouts of some
	species and their habitats may not be readily available
	and this makes it difficult to predict whether the low
	significance can be practically achieved. Surveys of
	the areas to be cleared will be required by the Forestry
	Directorate and bush clearing permits are to be issued
	by the same.

Groundwater and surface water Impacts

Risk Event	Exploration activities may affect the availability of water and the quality there of
Nature of Impact	Through the exploration for mineral resources there is potential for impacting:
	 Water availability for deep rooted trees in riverbeds (groundwater) Water availability and quality for people (groundwater)
	► Risk of surface and groundwater

	pollution ► Risk of groundwater drawdown due to abstraction
Status	Negative
Extent	Localized
Duration	Short to Long term
Intensity	Serious effect, permanent change to the availability of water would be devastating for the sustainable farming that occurs here.
Probability	Probable if boreholes puncture the Karst Formation, water abstraction is not controlled, or water pollution is not prevented
Prevention	It is possible to prevent over abstraction and pollution of water resources. It is also possible to prevent the puncturing of the Karst Formation through careful planning, knowledge and liaison with the Department of Water Affairs.
Significance (no mitigation)	High; Should the prevention measures not be in place then the significance of the impact will be high. The population carrying capacity is already low due to limited water resources.
Mitigation	No surface water bodies (eg. Farm dams) should be used for the exploration activities. Namwater could supply the exploration activities.

	Farm boreholes may also be used but the
	sustainability of each farm borehole may
	differ. Again, only sustainable use of these
	sources should be made.
	The siting and drilling of boreholes for
	exploration must be carried out very
	carefully and not in any way jeopardize the
	sustainable use of water.
	Boreholes drilled in the field should not be
	contaminated in case they are linked to
	aquifers use of by nearby farmers. Should
	the company find good groundwater during
	the exploration activity, the borehole may be
	used as a water source provided the
	permission of the farmer is given and the
	necessary abstraction permit is attained from
	the department of water affairs. Again, only
	sustainable yields may be abstracted.
	Farmers may choose to maintain the new
	water boreholes after the exploration ceases.
	Camps and the setting up of ablution
	facilities must be done so that risks to
	groundwater quality are minimized.
Significance (with mitigation)	Low
Confidence Level	High, only if the mitigations are carried out
	strictly. Guarantees must be given by the
	exploration company that they do not in any
	way damage the susceptible water resource.
<u> </u>	

Socio-Economic Impact

Risk Event	Positive aspect of sustaining employment in
	the sector.

Nature of Impact	The project to be carried out at EPL 8759 site will employ a limited number of people involved with exploration on an intermittent basis. From 10 to 30 staff would be on site during the drilling phase depending on the intensity of the drilling program. On the negative side, the social and economic basis of the farms may be adversely affected by the presence and activities of the exploration team and equipment. Potential lowering of
	the security currently enjoyed could be potentially interrupted.
Status	Positive & Negative
Extent	Regional (radius of up to 100 km)
Duration	Short up to one year of drilling spread over a broad area.
Intensity	Moderate effect (for the positive) Moderate effect (for the negative)
Probability	Probable (both the negative and positive aspects)
Prevention	If the environmental clearance certificate is not forthcoming, then the positive impact is halted.
Significance (no mitigation)	Low (positive) The project will employ very few personnel, so it is not significant in the greater scheme of things. Medium (negative) The security of the farms could potentially be lowered through negligence and or intentional misuse of the privileged access to the

	farms.
Mitigation	Where possible, local persons (i.e. from the adjacent towns and farms) should be employed. This depends on the level of skills the local persons have. Sustainable employment will result should the project be allowed to go ahead. The drilling program could take place during less busy tourism times and if necessary, increase the number of drill rigs during that time so as to shorten the period of activity. Company supervisory staff must manage the access to and from the farms very strictly ensuring the staff stay within predetermined areas and ensuring all inter leading gates etc. are closed and or locked as per the request of the farm owners.
Significance (with mitigation)	Low (positive) Low (negative)
Confidence Level	High

Conclusion

In conclusion, this project in the EPL 8759 will explore base and rare metals, industrial minerals, dimension stone, precious metal group of minerals. Through exploring for these commodities, contributions to the Namibia's economy will be made and continued employment to the existing staff is made possible.

For all aspects of operations and prospecting work strict adherence to the company's environment, Health and Safety policies must be ensured. Environmental training of the work force as well as monitoring of all aspects pertaining to Environment, Health and Safety must be carried out in accordance with the approved EMP.

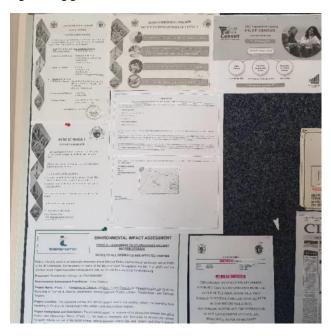
The exploration within the EPL the company will follow a phased approach, which will be in line with the relevant Namibian legislation and regulations. The exploration program will be conducted in line with the EMP thus implementing the necessary mitigation measures, monitoring and stipulated rehabilitation. It is of utmost importance that good relations are upheld with the farming community and other affected parties.

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APPENDIX A: SITE NOTICE PLACEMENTS AND NEWSPAPER ADVERTISMENTS

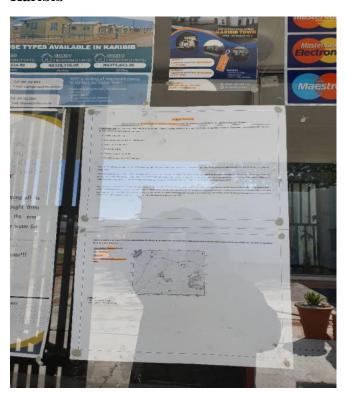
Spitzkoppe



Gaingu Conservancy



Karibib



REZONING NOTICE: DUNAMIS CONSULTING TOWN, REGIONAL PLANNERS AND DEVELOPERS on behalf of the owner of Erf 3492 Daffodil Street Khomasdal Extension 3 is applying to the Windhoek Municipal

Council for the following: Rezoning of Erf 3492 Daffodil Street Khomasdal Extension 3, from 'Residential' with a density of 1 dwelling per Erf to 'Business' with a bulk of 0.75,

Consent to continue operating the current business activities on the Erf with the approved resident occupation while the rezoning is being finalized.

Subdivision of Erf 2551 Daffodil Street Khomasdal Extension 3 into Portion 1 and Remainder, and

Application to lease Portion 1 of Erf 2551 Khomasdal Extension 3 for additional parking purposes. Erf 3492 Khomasdal Extension 3 is located in Daffodil Street. The property is currently zoned 'Residential' with a density of 1 dwelling per Erf and it measures 751 m². The proposed zoning of 'Business' with a bulk of 0.75 will formalize the existing business activity which is in a form of a local community shop and in line with the Windhoek Zoning Scheme. On-site parking as required in terms of the Windhoek Zoning Scheme will be provided onsite and on Portion 1 of Erf 2551 Kho-

masdal Extension 3. Further, take note that the locality plan of the Erf can be inspected at the Windhoek Town Council Customer Care Centre Town Planning Notice Board, 80 Independence Avenue,

Further take note that any person objecting to the proposed land use as set out above may lodge such objection together with the grounds the-reof in Writing at the Windhoek Urban Planning Offices Room 518, 5th Floor, Town House Main Building within 14 days of the last publication of this notice (final date for objections is

16 May 2022). Cell: +264 855 512 173 Tel: +264 83 330 2241

Email: ndimuhona@dunamisplan. com

DM0202200402281

REZONING NOTICE DU-CONSULTING NAMIS TOWN, REGIONAL PLAN-NERS AND DEVELOPERS on behalf of the owner of Remainder of the Farm Helao Nafidi Townlands No. 997 is applying to the Helao Nafidi Town Council for the following: SUBDIVI-SION OF REMAINDER OF THE FARM HELAO NAFIDI TOWNLANDS NO. 997 INTO PORTIONS 1 AND 2 AND REMAINDER IN TERMS OF SECTION 105(E) OF THE UR-BAN AND REGIONAL PLAN-NING ACT, 2018 (ACT. NO. 5

OF 2018). SUBSEQUENT MENT OF TITLE CONDITIONS INTERMS OF SECTION 105(A) OF THE URBAN AND REGIONAL PLANNING ACT, 2018 (ACT. NO. 5 OF 2018). Remainder of the Farm Helao Nafidi Townlands No.997 is located within the munici-pal area of the Helao Nafidi . Town Council. The amendment of title conditions and the subdivision of the Remainder of the Farm Helao Nafidi Townlands No. 997 into Portions 1 and 2 will allow the owners to utilize these Portions for Medical and Business purposes with a bulk of 2.0. The proposed 2 Portions are currently zoned 'Undetermined' and measure 3127m²and 9265m² respectively. On-site parking as required in terms of the Helao . Nafidi Town Council requirements, will be provided.

Further, take note that the locality plan of the Erf can be inspected at the Helao Nafidi Town Council Town Planning Notice Board, Ondangwa- Oshikango Main Road,

Onhuno. Further take note that any person objecting to the proposed land use as set out above may lodge such objection together with the grounds thereof in writing at the office of Infrastructure, Town Planning & Technical Services, Helao Nafidi Town Planning Office, Ondangwa-Oshikango Main Road, Onhuno within 14 days of the last publication of this notice

(final date for objections is 19 May 2022). Cell: +264-855 512 173 Tel:+264-83 330 2241. Email: ndimuhona@duna-

misplan.com DM0202200402268 Regskennisgewings **Legal Notices**

CONSENT TO USE THE REMAINDER OF PORTION 47 (A PORTION OF POR-TION 2) OF THE FARM ON-DEKAREMBA NO.78 FOR

A 'RETIREMENT VILLAGE' Take notice that DU TOIT TOWN PLANNING CONSUL-TANTS, is in the process of applying on behalf of the owner of the Portion, Sonnleiten Village Body Corporate in terms of the stipulations of the Urban and Regional Planning Act,2018 (Act No. 5 of 2018), to the Windhoek City Council and the Urban and Regional Planning Board for:

* Consent to use the Remain-der of Portion 47 (a portion of Portion 2) of the Farm Ondekaremba No. 78 for a 'retirement village

Portion 47 (a portion of Portion 2) of the Farm Ondeka-remba No. 78 is located about 36km east of Windhoek along the B6 national road, 7km from the Hosea Kutako Airport. The Sonnleiten Re tirement Estate is located on the north-eastern part of the Remainder of Portion 47 and comprise of living units as well as supporting facilities for the residents such as a care unit and a restaurant. Sonnleiten Retirement Village has been in existence from 2007 and have obtained the necessary fitness certificates on a regular basis since then. However, upon request for the renewal of the fitness certificate for the Clinic for 2021 (14 years later), the existing

The Body Corporate were then advised to obtain the necessary consent in terms of Table B of the Town Planning Scheme to rectify the abovementioned. The renewal of the fitness certificate was granted subject to the application for the appropriate consent of the land use to the City of Windhoek.

consent was questioned due to inaccurate information in

the Town Planning Scheme.

Sufficient parking is provided for on-site as per the City of Windhoek requirements.

Further take notice that the locality plan of the site lies for inspection on the Town Planning Notice Board in the Customer Care Centre, Municipal Offices, Rev. Michael Scott Street, Windhoek and at the offices of Du Toit Town Planning, 4 Dr. Kwame Nkrumah Avenue, Klein Windhoek.

Any person objecting to the proposed use of land as set out above may lodge such objection together with the grounds thereof with the City Council (the Urban Planner-Town House, Fifth Floor, Room 516) and the applicant within 14days of the last publication of this notice (final date for objections is 19May 2022).

Applicant: DU TOIT TOWN PLANNING CONSULTANTS P O Box 6871 AUSSPANNPLATZ WINDHOEK

Tel: 061-248010 Email: planner1@dutoitplan.

as follows:

Project:

Proponent:

Public Meeting Date:

Deadline for submission

Register as I & Aps @:

of comments:

Location:

DM0202200402312

035

Regskennisgewings **Legal Notices** NOTICE OF APPLICATION IN

TERMS OF THE GAMING AND ENTERTAINMENT CONTROL ACT, 2018 (ACT NO. 13 OF 2018) **SECTION 45 (2) (a) (i) FOR** BOOKMAKER LICENSE Notice is hereby given of the application for bookmaker license of which the details are given below. Any person who wishes to object to the application in terms of regulation 17 may submit his/her objection in the prescribed manner to the Board not later than 21 days after the publication of this notice. Name of applicant: Premier

Sports Trading CC Type of license: Bookmaker license

Name of place where the bookmaking business will be conducted: Otjiwarongo Mall, Town Square Mall, Otjiwarongo Physical address of premises to which the application applies:

Otjiwarongo Mall, Shop No. 33 Town Square Mall Otjiwarongo

DM0202200402408

NOTICE OF APPLICATION IN TERMS OF THE GAMING AND ENTERTAINMENT CONTROL ACT, 2018 (ACT NO. 13 OF 2018) SECTION 45 (2) (a) (i) FOR **BOOKMAKER LICENSE** Notice

is hereby given of the application bookmaker license of which the details are given below. Any person who wishes to object to the application in terms of regulation 17 may submit his/ her objection in the prescribed manner to the Board not later than 21 days after the publication of this notice. Name of applicant: Premier

Sports Trading CC Type of license: Bookmaker li-

cense Name of place where the bookmaking business will be conducted: Rundu Shopping Mall, Shop O35B, Rundu

Physical address of premises to which the application applies: Rundu Shopping Mall, Shop 035 Erf 1078, Extension 3 Eugene Kakukuru Rundu Central

DM0202200402409 NOTICE OF APPLICATION IN TERMS OF THE GAMING AND ENTERTAINMENT CONTROL ACT, 2018 (ACT NO. 13 OF 2018) SECTION 45 (2) (a) (i) FOR BOOKMAKER LICENSE Notice

is hereby given of the application bookmaker license of which the details are given below. Any the application in terms of regulation 17 may submit his/ her objection in the prescribed manner to the Board not later than 21 days after the publication of this notice.

Name of applicant: Premier Sports Trading CC

Type of license: Bookmaker li-

cense Name of place where the bookmaking business will be con-

ducted: The Kings Mall, Kuisebmund, Walvis Bay Physical address of premises to which the application applies:

Shop No. 1 The Kings Mall Nathaniel Maxuilili Ave Kuisebmund

Walvis Bay

PUBLIC NOTICE:

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE

PROPOSED EXPLORATION ACTIVITIES

INVITATION TO THE PUBLIC MEETINGS

Newcrest Investment Cc EPL 8759

In accordance with the Environmental Management Act(no.7 of 2007)(EMA) and

the Environmental Impact Assessment (EIA) Regulations (Government Notice

No 4878 of 2012), notice is hereby given to all possible interested and affected

Parties (I&APs) that an application will be made to the environmental clearance

Precious Metals on EPL 8759

registered and affected parties

Newcrest Investment Cc

Exploration Activities for Base and Rare Metals,

To be confirmed via email and text with

hamukwa@gmail.com or call +264 81 738 2934

DM0202200402406

ce is hereby given of the application for bookmaker license of which the details are given

Market Watch

NOTICE OF APPLICATION IN

TERMS OF THE GAMING AND

ENTERTAINMENT CONTROL ACT, 2018 (ACT NO. 13 OF 2018) SECTION 45 (2) (a) (i) FOR

BOOKMAKER LICENSE Noti-

035

Regskennisgewings

Legal Notices

below. Any person who wishes to object to the application in terms of regulation 17 may submit his/her objection in the prescribed manner to the Board not later than 21 days after the publication of this notice.

Name of applicant: Premier Sports Trading CC Type of license: Bookmaker li-

Name of place where the bookmaking business will be conducted: Punyu Norden, Tsumeb, Physical address of premises to which the application applies: Punyu Norden

Hage Gaingob Street

cense

Tsumeb

DM0202200402410

Regskennisgewings 035 **Legal Notices**

NOTICE OF **APPLICATION** IN TERMS OF THE GAMING AND ENTERTAINMENT CON-TROL ACT, 2018 (ACT NO. 13 OF 2018) SECTION 45 (2) (a) (i) FOR BOOKMAKER LICEN-**SE** Notice is hereby given of the application bookmaker license of which the details are given below. Any person who wishes to object to the application in terms of Regulation 17 may submit his/her objecti-

after the publication of this notice. of applicant: Premier Sports Trading CC Type of license: Bookmaker li-

on in the prescribed manner to

the Board not later than 21 days

Name of bookmaking business or retail liquor business: Maroela Mall F13,Ongwediva, Physical address of premises to which the application applies: Maroela Mall, Shop 38A First Floor

Ongwediva DM0202200402412

Losing Control?



ALCOHOLICS ANONYMOUS

If you want to drink, that's your business. If you want to stop, that's ours. WINDHOEK: 081-325 6144 SWAKOPMUND: 081-243 2649 E-MAIL:

alcoholicsanonymousna@gmail.com

CENORED

VACANCY: **DUTY STATION: GRADE:**

Executive: Finance & Commercial Services Head Office, Otjiwarongo

PURPOSE:

The overall objective is to achieve financial sustainability for CENORED through prudent financial management, improves customer service, enhance revenue growth and minimise commercial losses. The incumbent reports directly to the Chief Executive Officer.

KEY PERFORMANCE AREAS:

- Positive Gross Profit Margin, Net Profit Margin, Working Capital, Current Ratio, Quick Ratio and Debt to Equity Ratio
- Improve Liquidity, Budget Control, Cost Containment, Cash flow and Treasury Management.
- Management of Fixed Asset Register, Procurement and Optimum Store Materials. IFRS, Good Governance Practices and Adherence to all National Regulations
- Provide required administrative support to other departments, development of departmental systems, proce-
- dures, and policies
- Avail all applicable and resources for efficient operations.
- Maintain efficient customer application process and contracts.
- Financial modelling, timeous application for cost reflective tariffs and implementation thereof.
- Complete, accurate and timeous billing process. Set up parameters within billing system that enable system to create exemption report when higher/lower than expected electricity consumption readings is noted.
- Effective debt collection strategy.
- Establish and maintain efficient pre-paid vendors and systems. Implement strategies to enhance revenue growth.
- Develop mechanism to attract potential customers.
- Develop mechanism to retain customers.
- Implement the Customer Service Charter. Customer Satisfaction Survey and Engagements.
- Maintain Customer Outreach programme through the Call Centre, and other social media outlets.
- Search and implement new technology to enhance customer services.
- Secure affordable internal/external funding sources for electrification projects.
- Attend community/public meetings/trade fairs to educate public on company operations. Sets departmental standards of performance and monitor the achievement thereof.
- Supervises subordinates in the daily execution of their duties by delegating tasks, setting priorities, dead-
- lines, and coaching/mentoring. Attends to problems and queries such as work priorities, performance discrepancies, indiscipline, etc
- Manages and controls staff in the department for optimum utilisation by defining standards for the performance/service levels of department units, setting individual and team goals to support unit objectives and
- directing subordinates to achieve individual and team objectives. Assesses subordinate's performance, identifies training and development needs and implements corrective
- measures where necessary. Initiates and supports strategic staffing initiatives and manpower development by developing selection and
- sourcing strategies to ensure availability of key personnel. Ensures that appropriate development opportunities are provided for to acquire the necessary competen-
- cies in terms of the individual development plans of the subordinates. Ensures implementation of PMS and performance culture in department.
- Supports and creates sound working relationships with co-workers / team members to resolve problems.
- Active participation and contribution towards effective working relationships.
- Discusses and sets objectives to improve relationships with co-workers. Creates a safe & conducive working environment for all staff.
- Perform any tasks as may be directed by the Chief Executive Officer, the Board of Directors and other of-

MINIMUM REQUIREMENTS:

Honours degree in Finance/Accounting/Commerce.

ficial duties by relevant stakeholders from time to time.

- Completed articles; Executive/ Senior or Management Development Training is an added advantage.
- Eight years of which Five years has been at Management level in electricity sector.
- Managerial exposure to the dynamics of EDI/ESI.
- Experience in SAP Fin model.
- Project Management and People Management Skills.
- Leadership, Problem solving, Good Verbal and Written Communication Skills, Good Analysis, Interpersonal skills, Mathematical proficiency, Attention to detail and Organization.

CENORED is an equal opportunity Employer and previously disadvantaged people are encouraged to apply. Interested and qualified applicants are required to submit their applications to:

The Manager: Human Capital & HSE

P. O. Box 560 Otjiwarongo

Or Email: fnamupala@cenored.com.na Or Hand Deliver their applications accordingly.

Closing Date: 13 May 2022 @ 16h30

[OFFICIAL]

Te huur

ROCKY CREST: Bella Rosa Carolina Complex, 2 bedroom flat, open-plan, braai area, parking. N\$6 500, deposit N\$6 500 negotiable. Available 1 June. Call

K. Beukes 085-1222501. DM0202200402529

KHOMASDAL, VAAL-**HOEK:** 1 Bachelor woonstel te huur, ingeboude kaste, binneparkering. W+E ingesluit. N\$4 000 pm + deposito. Skakel 081-2403304.

DM0202200402498

ROCKY CREST: One bedroom flat with built-in cupboards to Immediately available. Call 081-1442866.

DM0202200402480

SHILUNGA COURT: 3 Bedroom duplex flat, small living area, guest toilet, small courtyard N\$ 7 800.

OTJOMUISE MAINSTAY COM-PLEX: 2 Bedroom flat on first floor - N\$ 5 500. Available 1 July. Annelize: 081-1285451

DM0202200402500

ROCKY CREST: 2 Bedroom townhouse with garage and big courtyard. Safe complex. N\$7 600 plus deposit. Call 081-2853161. DM0202200402581

KLEINE KUPPE: N\$7 500 PM. Very neat 2 bedrooms, 1 bathkitchen to room, open-plan lounge, large balcony with braai, shaded parking - all close to amenities in secure medium size complex. Call Lilia/ERE at 085-1273480.

DM0202200402582



BEST DEALS ON BALES IN SOUTH AFRICA!

Overcoats Benoni 97 Princes Ave. +27 11 845 4769

Call NKULULEKO now! +27 78 506 9726

sales@overcoats.co.za www.overcoats.co.za

T's & C's Apply

OVERCOATS

Automatic Donut Machine For Sale Almost new, makes 800 donuts per hour in 3 different sizes. N\$ 25 000.00 neg Call 081-3772127

DM0202200402574

Motors

Vehicles





2017 Toyota Quantum 2.5 Diesel 14-Seater + extras. Canvas seats, bull bar, tow bar. Serviced up to date by Toyota 220 000 km, N\$ 360 000.00 Call 0812163804

DM0202200402557



Groot Aub, For Sale Half-built house, 3 bedroom, double garage 300 m². Selling below value N\$ 200 000. Call 081-2163804 DM0202200402558

WALVIS BAY, MEERSIG EXTENSION 2: Serviced erven For Sale 1. Location: Astronaut Str. Frf 1458 & 1459. Meersig, Extension 2, Walvis Bay. 2. Erf Size: a. Erf 1458 -910 m² - N\$650 000 (Costs excluded) b. Erf 1459 -902 m² - N\$650 000 (Costs excluded) 3. Registered under two separate CCs. Call: 081-2609706. No Agents.

DM0202200402514

Huise te koop Residential Prop. for Sale

OSONA VILLAGE DEVELOP-

AZ Allgemeine Zeitung

MENT. Phase 9, Featuring 2 bedrooms and 3 bedrooms double storey houses. Defy island cooker hood complete with built-in stove. 150 Litre solar geyser. (2 Bedrooms), 200 Litre solar geyser. (3 Bedrooms), built-in cupboards in all bedrooms, pre-paid electricity meter, pre-paid water meter, roof insulation. Free curtain rods for hanging curtains. Free bathroom accessories. Free hanging line. Maintenance for 1 year. Front yard fully interlocked. Front boundary wall with pedestrian and vehicle manual gates. NB: We pay good referral commission to the public and Agents are also welcome. Call Rachel on 081-8140941 or visit us at Osona Village every Saturday for viewing. DM0202200402461



Plase te koop Farms for Sale

PLOT FOR SALE at Omdel Ext 2, Henties Bay. Size 779 m² If interested, please call 081-1222091 or 081-2792365

DM0202200402499

032

Veilings Auctions

NAMAGRI Auctioneers presents Ndjamo Energy's redundant Heavy Equipment Machinery. Auction on Friday 20 May 2022 @ 10h00. www.namagri. com Facebook. 081-1286821 DM0202200402148



FURNITURE AUCTION

Date: 14 MAY 2022 Registration: 09h00 Auction: 10h00 Refundable Deposit:

N\$ 1 000.00 CASH

Place: 31 INDEPENDENCE AVE

ELECTRONICS **CELL PHONES** LAPTOPS / TABLETS OFFICE FURNITURE DISHWASHERS **BEDS & MATRASSES** FRIDGES & FREEZERS KITCHEN APPLIANCES MICROWAVES / OVENS LIVING / DINING SETS WASHING MACHINES/TUMBLE DRYERS, OUTDOOR GADGETS,

GARDENING EQUIPMENT **MUCH MUCH MORE!!** Come and view these items on **FRIDAY, 13 MAY 2022**

from 13h00 till 16h00. For any further information please call: (061) 228 901

do Burger - 081 147 7480 Website: www.pro-ex.com.na



Regskennisgewings **Legal Notices**

A COMMITTEE IN TERMS OF THE LIQUOR ACT, 1998 Notice is given that an application in terms of the Liquor Act, 1998, particulars of which appear below, will be made to the Regional Liquor Licensing Committee, Regi-

NOTICE OF APPLICATION TO

on: Hardap 1. Name and postal address of applicant: Desert Homestead Lodge (PTY) Ltd, P.O. Box 113 Kalkrand 2. Name of licensed business to

which application relates: Namib **Outpost Lodge** 3. Address/location of licensed

premises to which application relates: Farm Witwater, Maltahöhe, Hardap 4. Nature and details of applicati-

on: Application for the grant of a Hotel Liquor License 5. Where will be lodged Clerk of the Magistrate's Court, District Mariental 6. Date on which application will

be lodged 24 May 2022. Any objection or written submission in terms of section 28 of the

Act in relation to the application must be sent or delivered to the Magistrate of the District, to reach the Magistrate not later than 7 days after the date on which the application is lodged.

DM0202200402237



IN THE MAGISTRATE'S COURT FOR THE DISTRICT **OFTSUMEB** HELD AT TSUMEB CASE NUMBER: 334/2018 In the matter between:
AGRA (CO-OPERATIVE) LTD,

Plaintiff and FILLEMON KHAISEB, Defen-1. Name and postal address of ap-

NOTICE OF SALE IN EXECU-Pursuant to a Judgment of the

above Honourable Court granted on 25 February 2019 the following goods will be sold in execution by public auction on FRIDAY the 27th day of MAY 2022 at 10H00 at the office of the Messenger of Court for the district of Gobabis, No. 35 Dr Mbuende Street, Gobabis, namely:

10x Head of Sheep Terms: Cash to the highest bidder.

Dated at SWAKOPMUND this 4th day of MAY 2022 Electronically signed: C DE KO-Legal Practitioners for Plaintiff KINGHORN ASSOCIATES

HAUS ALTONA

2 - 6 TOBIAS HAINYEKO STREET P.O. BOX 1455, SWAKOPMUND TEL: 064-405051 FAX: 064-402683

DM0202200402494 IN THE High Court Of Na-

Ref: CDK/AGR2/0009-80

Case No. HC-MD-CIV-ACT-CON-2020/03276 In the matter between: STANDARD BANK NAMIBIA LTD, Plaintiff and

JOHNSON HIRILOMBEPO KARONGEE, Defendant NOTICE OF SALE IN EXECU-TION OF IMMOVABLE PRO-PERTY

In Execution of a Judgment of the above Honourable Court in the above mentioned suit, a sale will be held on Tuesday, the 31st of MAY 2022 at 11:00 at ERF 6874, KUISEBMOND (EXTENSION 3) WALVIS BAY: CERTAIN: Erf 6874, Kuiseb-

mond, Extension No 3 SITUATED: At Walvis Bay, Registration Division "F", Walvis Bay, Erongo Region
MEASURING: 399(THREE NINE NINE) Hectares

HELD BY: T 1454A/2007 ALLEGED IMPROVEMENTS DESCRIPTION: the following improvements are on the property (although nothing in this respect is guaranteed). The

building comprising of: 1x kitchen with 1x single zink with floor tiles, 1x lounge with floor tiles, 1x small passage, 1x bathroom with shower, toilet and wash basin with floor tiles, 1x bedroom with build in cupboard with floor tiles, 1x

bedroom with floor tiles, 1. The property shall be sold by the Deputy-Sheriff of WALVIS BAY subject to the Conditions of Sale that may be inspected at the Offices of the Deputy-Sheriff to the highest bidder on the auction and furthermore subject to approval by the

preferent claimant. 2. The sale is subject to the provisions of the High Court Act No 16 of 1990, as amended, and the property will be sold "voetstoots" according to

the existing title deed. 3. 10% of the purchase price to be paid in cash on the date of the sale, the balance to be paid against transfer, to be secured by a Bank or Building Society or other acceptable guarantee to be furnished to the Deputy-Sheriff within 14 (fourteen) days after the date of Sale.

4. The full Conditions of Sale will be read out by the Deputy-Sheriff on the day of the sale, but may be inspected at any time prior to the sale at the offices of the Deputy-Sheriff or at the office of the Plaintiff's attorneys. Dated at Windhoek this day of

March 2022. ENGLING STRITTER & PART-**NERS**

Attorneys for Plaintiff 12 LOVÉ STREET WINDHOEK EY/bp/sd8725

DM0202200402579





Regskennisgewings **Legal Notices**

NOTICE OF APPLICATION TO A COMMITTEE IN TERMS OF THE LIQUOR ACT, 1998 (Regu-

lations 14, 26 & 33) Notice is given that an application in terms of the Liquor Act, 1998, particulars of which appear below, will be made to the Regional Liquor Licensing Committee, KHO-MAS REGION

THE YARD RESTAURANT AND

LOUNGE CC, PO BOX 23753, WINDHOEK, REPUBLIC OF NA-MIBIA 2. Name of business or proposed

business to which application re-lates TEMPERATURE RESTAU-RANT AND LOUNGE 3. Address/location of premises to which application relates ERF 8528, HANS-DIETRICH GEN-

SCHER STREET, KHOMASDAL, WINDHOEK, REPUBLIC OF NA-MIBIA 4. Nature and details of applicati-

on: APPLICATION FOR A SPECIAL LIQUOR LICENCE 5. Clerk of the Court with whom

application will be lodged CLERK OF THE COURT WINDHOEK 6. Date on which application will

be lodged 23 May 2022 7. Date of meeting of Committee at which application will be heard 13 July 2022

Any objection or written submission in terms of Section 28 of the Act in relation to the application must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard DM0202200402571

NOTICE OF APPLICATION TO A COMMITTEE IN TERMS OF THE LIQUOR ACT, 1998 No-

tice is given that an application in terms of the Liquor Act, 1998, particulars of which appear beow, will be made to the Regional Liquor Licensing Committee, Region: Hardap

1. Name and postal address of applicant: Desert Homestead Lodge (PTY) Ltd, P.O. Box 113 Kalkrand 2. Name of licensed business to which application relates: Desert

Homestead Lodge 3. Address/location of licensed premises to which application relates: Farm Witwater, Maltahöhe,

4. Nature and details of application: Application for the grant of a Hotel Liquor License

5. Where application will be lod-ged: Clerk of the Magistrate's Court, District Mariental 6. Date on which application will be lodged 24 May 2022.

Any objection or written submission in terms of section 28 of the Act in relation to the application must be sent or delivered to the Magistrate of the District, to reach the Magistrate not later than 7 days after the date on which the application is lodged.

DM0202200402236

IN THE High Court of Namibia. Case No: HC-MD-CIV-ACT-CON-2016/03048.

STANDARD BANK NAMIBIA LI-MITED - Plaintiff and FLORIE-DA TALANA //ARESES N.O (E/L: RAINHARD SIMEON IPINGE) - Defendant.

NOTICE OF SALE IN EXECUTION OF IMMOVABLE PROPERTY

Pursuant to Judgment of the above Honourable Court granted on 20 January 2017, the following movable property will be sold without reserve and voetstoots by the Deputy Sheriff of the District of Windhoek on 24 May 2022 at 09h00 in the forenoon at Section No 1, Barug Terrace, Katutura (Extension No 14), Windhoek, Republic of Namibia. rtain: Section No 1, Barug Terrace

Katutura, (Extension No 14). Situated: In the Municipality of Windhoek Registration Division "K" Khomas Region. Measuring: 70 (seven zero) square

Consisting of Kitchen, 2 bedrooms, 1 bath / toilet. The conditions of sale in execution

will lie for inspection at the office of the Deputy Sheriff at Windhoek and at the Head Office of Plaintiff at Windhoek and Plaintiff's Attorneys, Fisher, Quarmby & Pfeifer, at the under mentioned address. Dated at Windhoek this 11 March 2022.

Legal Practitioner for Plaintiff Cnr Robert Mugabe Avenue & Thorer Street Entrance in Burg Street Windhoek

FISHER, QUARMBY & PFEIFER

FPC/be/234348. DM0202200402589

035

IN THE High Court Of Namibia (Northern Local Division - Oshakati) HC-NLD-CIV-ACT-CON-2021/00358

In the matter between: STANDARD BANK NAMIBIA LIMITED, **Execution Creditor and**

ALBERT ALBERTUS MAJIEDT, Execu-NOTICE OF SALE IN EXECUTION

IN EXECUTION OF COURT ORDER of THE HIGH COURT OF NAMIBIA, given on 05TH of APRIL 2022 in the abovementioned case, a judicial sale by pu blic auction will be held on the 19TH of MAY 2022 at 12H00 at ADVANCED REFRIGERATION, MAIN ROAD, OS-HAKATI of the following: GOODS:

1x Lounge Suite, 1x Fridge, 1x TV Unit, 5x Plastic chairs, 1x Electric Stove, 1x Plate Gas Stove, 2x Microwave, 1x Ta-ble, 1x Kitchen Unit, 1x Wood Table, 1x Lounge Suite, 1x Flat Screen TV, 1x GOtv, 1x DVD. 1x Wardrobe. 2x Double Beds. 2x Wardrobes, 1x Washing Machine, 1x Vacuum Machine CONDITIONS OF SALE:

1. The sale will be held without reserve and goods will be sold to the highest bidder. 2. The goods will be sold "voetstoots".

3. Payment shall be made in cash or by bank guaranteed cheque. DATED AT ONGWEDIVA THIS O8RD day of MAY 2022.

ANGULACO. INCORPORATED Legal Practitioner for Execution Creditor Makalani Real Estate Complex Marula Street **ONGWEDIVA** DM0202200402567

IN THE High Court of Namibia

In the Matter Between HC-MD-CIV-ACT-Case No: CON-2019/01177 DEVELOPMENT BANK OF NAMIBIA,

Plaintiff and ALDRIN BRINKMANN T/A AB CON-STRUCTION, First Defendant ANNA LUCIA BRINKMANN, Second

GIBEON TOWN COUNCIL, Third Defendant NOTICE OF SALE IN EXECUTION OF

Defendant

IMMOVABLE PROPERTY In the execution of a Judgment of the Honourable Court in the above-mentioned suit, a sale will be held on 24th of

May 2022 at 10H00, at Erf 103, Aima-

blaagte, Mariental, Republic of Namibia. CERTAIN: Erf No. 103, Aimablaagte SITUATED In the Municipality of Mariental Registration Division "R" MEASURING: 473 (four seven three)

square meters FIRST TRANSFERRED: By Deed of Transfer No. T 1708/1988 with General Plan S.G.NO. A. 110/84 Relating There to and Held by Deed of Transfer No. T

1708/1988;NÁMELY: -1. The sale is subject to the provision of the High Court Act No: 16 of 1990, as amended and the property will be sold 'voetstoots" according to the existing title deed.

2. Ten percent (10%) of the purchase price is to be paid in case on the date of the sale, the balance together with interest at a rate of 20% per annum as from the date of Sale in Execution to the date of registration, both dates inclusive, is to be paid against transfer, to be secured by a Bank or Building Society or other acceptable Guarantee to be furnished to the Deputy Sheriff within fourteen (14) days after the date of Sale in Execution.

3. The complete Conditions of Sale will be read out at the time of the sale, but may be inspected before hand at the offices of the Deputy Sheriff, Windhoek. Dated at Windhoek on this 25th day of April 2022.

KANGUEEHI & KAVENDJII -INC. Legal Practitioners for the Plaintiff ERF 3956, Corner of HOSEA KUTAKO &RIGGENBACH STREETS WINDHOEK (Ref: D329.18KK) TO: THE REGISTRAR OF THE HIGH

COURT HIGH COURT OF NAMIBIA WINDHOEK DM0202200402352

NING NAMIBIA CC on behalf of

TAKE NOTE THAT NET PLAN-

the property owner, intends to apply to the Municipality of Okahandfor the following:- Rezoning of Erf 1649. Okahandia Extension 8 from 'General Residential" with a density of 1:250 to "Single Residential" with a density of 1:300. Further take note that the application for rezoning of Erf 1649, Okahandja Extension 8 lies for inspection at the Municipality of Okahandja Offices. Further take note that any person objecting to the proposed rezoning may lodge objection together with the grounds thereof to the Municipality of Okahandja in writing within 14 days of the last publication of this notice. Contact: Telephone No.: +264 62500591 Cell: +264 81 1450640/ or +264 81 7660133

Regskennisgewings **Legal Notices**

> Namdeb Diamond Corporation invites interested individuals to be part of alluvial mining operations that offer unique challenges for professionals who wish to be part of world-class operation.

Applications are invited for the following position:

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The closing date is 12 May 2022.

Interested candidates should forward CV's with supporting documents to hr.recruitment@namdeb.com or upload your CV on our E-recruitment site:

https://namdebcareers.ci.hr/

Applicants from designated groups will receive preference as per the Namibian Affirmative Action Act. For further information and submission requirements, please visit the Namdeb E-Recruitment website.

www.namdeb.com

⇔NAMDEB

PUBLIC NOTICE: ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED EXPLORATION ACTIVITIES

INVITATION TO THE PUBLIC MEETINGS Newcrest Investment Cc EPL 8759

In accordance with the Environmental Management Act(no.7 of 2007)(EMA) and the Environmental Impact Assessment (EIA) Regulations (Government Notice No 4878 of 2012), notice is hereby given to all possible interested and affected Parties (I&APs) that an application will be made to the environmental clearance as follows:

Exploration Activities for Base and Rare Metals, Project:

Precious Metals on EPL 8759

Proponent: Newcrest Investment Cc Location: To be confirmed via email and text with

registered and affected parties **Public Meeting Date:** To be confirmed via email and text with registered and affected parties Venue: To be confirmed via email and text with

Time: To be confirmed via email and text with registered and affected parties Deadline for submission

of comments:

To be confirmed via email and text with

registered and affected parties hamukwa@gmail.com or call +264 81 738 2934 Register as I & Aps @:

registered and affected parties

LIVE WEBCAST AUCTION **ucorNamibia REPO & SALVAGE AUCTION** 19 May 2022 @ 10:00 **ONDANGWA**

#AUTUMUTTL
BAKKIES,SEDAN'S & SUV'S: VARIOUS SALVAGE VEHICLE.
2020 Ford Ranger Wildtrack 2.0
2018 Toyota Landcruiser 4.5 V8
2018 Ford Ecosport 1.0
2014 Ford Ecosport 1.0
2014 Ford Ecosport 1.0
2014 Ford Ecosport 1.0
2014 Ford Ecosport 1.0 🚵 📚 # AUTOMOTIVE 💹 📚 # AUTOMOTIVE

ALFA ROMEO, CHEVROLET & SO MUCH MORE!! Registration & Bidding on www.aucor.auction @ 10:00

TRUCK & SALVAGE AUCTION 27 May 2022 @ 10:00 BRAKWATER

ing: Ondangwa 16 - 18 May 2022 @ 09:00 - 16:00

Duly instructed by the bank, in terms of credit Agreement Act, Aucor Namibia (Pty) Ltd, will be selling the following Bank Repossessed Vehicles by Online & Webcast Auction

🐧 📚 # AUTOMOTIVE 🔏 📚 # AUTOMOTIVE BAKKIES, SEDAN'S & SUV'S: VARIOUS SALVAGE VEHICLE: 2017 Ford Ranger 3.2 Wildtrack IVECO, TOYOTA, NISSAN 2016 Nissan NP300 2.5 4x4 D/C ISUZU, HYUNDAI, VOLVO, KIA,

2016 Toyota Hilux 2.8 GD-6 4x2 2012 Afrit TA Semi Trailer 2011 Trailstar Tridem Semi Trailer 2010 Toyota 72-SAS30 Forklift 2010 Toyota 1DZ Forklift 2007 Scania R380 Truck Tractor

MERCEDES BENZ AUDI BMW,HONDA, VOLKSWAGEN, JEEP, FIAT, FORD ALFA ROMEO, CHEVROLET, RANGE ROVER & SO MUCH MORE !!

Registration & Bidding on www.aucor.auction Online Bidding Starts: Monday 23 May 2022 @ 10:00 wing: Brakwater 23 - 26 May 2022 @ 09:00 - 16:00 T & C apply Buyer's premium will be charged. Details subject to change without prior notice

Ondangwa: +264 65 240189
Email: info@aucornamibia.com Swakopmund: +264 64 463374

www.aucor.auction

Contact Us At: Windhoek: +264 61 257 945/6 Ondang Email:primepropertiesnam@yahoo. DM0202200402497

Appendix B: Background Information Document

Background Information Document (BID) For EPL 8759, Erongo Region, Namibia

Exploration application for Environmental Clearance Certificate for Proposed EPL 8759.

PROPONENT: Newcrest Investment CC

nndadhi@gmail.com +264 81 351 035 2

PREPARED BY: Hilya Amukwa

hamukwa@gmail.com +264 81 738 293 4

DATE: 04 May 2022

INTRODUCTION

Newcrest investment CC, proposes to undertake exploration activities on Exclusive Prospecting License (EPL) 8759 in the Erongo Region, with interest in base and rare metals, dimension stones, industrial minerals and precious metals. The EPL is located about 86.05 km north northeast of Arandis and about 70 km southwest of Usakos. It covers an area of 17782.2417 Ha and extends over the following Farms, namely: Twyfel, Vrede, Ootmoed, Schwarz Spitzkoppe, Oberwasser, Okambahe Reserve and Harmonie as seen in

Figure 1.

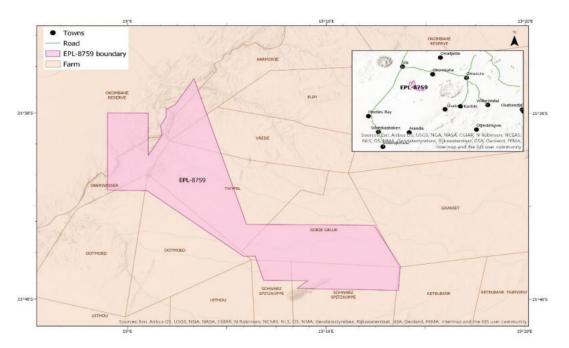


Figure 1: Location map of EPL 8759, showing farms covered and infrastructure in the area.

The extraction of mineral resources is a listed activity that must not be undertaken without an Environmental Clearance Certificate (ECC) from the Ministry of Environment and Tourism: Department of Environmental Affairs (MET: DEA). In order to inform the ECC decision, an Environmental Impact Assessment (EIA) process must be conducted as per the requirements of the Environmental Management Act (Act No. 7 of 2007) and its 2012 EIA Regulations. Therefore, this document was prepared as part of the EIA process for the following reasons:

- To introduce the proposed project and related activities to potential Interested and Affected Parties(I&APs);
- To provide information on the Environmental Assessment (EA) process and how I&APs can be involved;
- To invite all parties to register as I&APs on the Ministry of Environment, Forestry & Tourism's (MEFT) EA database so that they can remain informed about the status of the EA process for this project; and

• To provide all I&APs with an opportunity to comment or provide inputs/ concerns on the proposed project and associated process, including biophysical and socio-economic aspects, as well as any other issues of concern.

The overall aim of this stage of the EA process is to identify and consult Interested and Affected Parties (I&APs). The subsequent sections provide a brief background about the proposed activities.

PROJECT DESCRIPTION

The proposed activity will entail the following planned activities and construction/ erection of support infrastructure and services.

Planned activities

The exploration program will commence with

- Detailed geological mapping
- Detailed desktop study of historical exploration data
- Delineation of drilling targets
- Core logging analysis
- Laboratory testing of core samples
- Production of a feasibility of a technical report

Areas found to comprise good quality resource of the targeted minerals will then be delineated and pursued further for possible mining, subject to the granting of a valid mining license from the Ministry of Mines and Energy (MME).

Required support infrastructure, equipment and services

It is anticipated that the following infrastructure, utility services and equipment will be required to support the planned activities.

- Earth moving equipment
- Drilling equipment
- 4x4 bakkie
- Tented exploration camp equipment
- Mobile ablution activities
- Temporary core storage facility

Need and desirability of the project

The most important impact of mining in mine area is providing job opportunity; livelihood, and longer Mining brings life to the area and provides better life situation by making road, power, groundwater, health centres and schools. Waste materials into valley and preparing them for second use will provide new topography and new landscape.

ENVIRONMENTAL ASSESSMENT PROCESS

The Environmental Management Act (also referred to as the EMA), stipulates that for each developmental project, which is listed under the EIA regulations, an Environmental Impact Assessment (EIA) should be conducted. The aim of the EIA is to identify, assess and ascertain potential environmental impacts that may arise from the proposed activity.

Figure 2 below shows an environmental process flow chart that describes the different stages that the project will go through and undertake. Currently we are at the scoping stage.

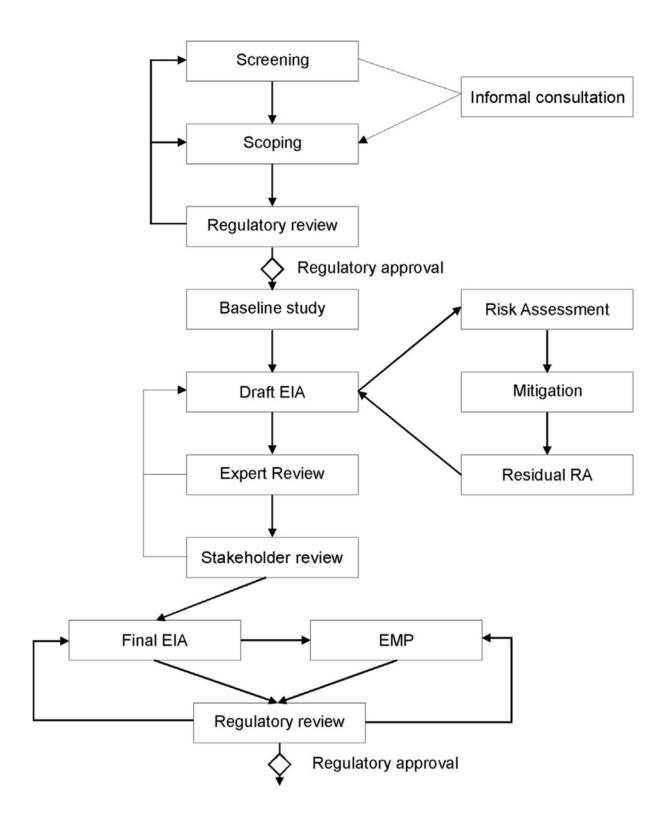


Figure 2

Potential Impacts

Positive impacts

Employment

Infrastructure

Taxes and charges paid by companies to governments

Contribution to GDP

Better livelihood for the community

Financial benefits to traditional authorities

Improved logical understanding of the area

Negative impacts

• Air and noise pollution

Health and safety issues

Loss of biodiversity

Contamination of soils

Visual impacts

The public participation process

Public consultation is a crucial part of the environmental scoping process. It provides interested and affected parties (I&APs) an opportunity to find out more about the proposed activity and it allows a

platform for the public to raise any issues or concerns.

Given the current situation of Covid-19 and the pronounced state of emergency, a public meeting

will be held subject to compliance to wearing of masks fulltime. Therefore, I&APs are encouraged to

submit their comments and concerns during the period of this EA. In order for these comments to be considered, they must reach us by the 16th July 2022 a public consultation meeting is scheduled for

9th July 2022 at the spitzeskope traditional authority office.

All those who register as I&APs for this EA process will be notified when the Scoping stage is complete

and will receive an opportunity to comment and review the Scoping Report. The time for the public

consultation meeting will be confirmed with interested and affected parties only.

Please find our contact details below should you require more information or if you would like

to register as and I&AP:

Hilya Amukwa

Tel.: +264817382934

Email: hamukwa@gmail.com

Appendix C Heritage Council Consent Letter and Archaeologist report

ARCHAEOLOGICAL AND CULTURAL IMPACT

ASSESSMENT REPORT FOR MINERALS EXPLORATION ON AN EXCLUSIVE PROSPECTING LICENSE (EPL) NO. 8759 USAKOS DISTRICT, ERONGO

REGION, NAMIBIA

Compiled by:

Henry Nakale [Bachelor of Arts Honours Degree in Archaeology,

Museums and Heritage Studies] (GZU), [Bachelor of Social Science in

Heritage and Museum Studies] (UP), [Masters of Social Science in

Tangible Heritage Conservation & Management] (UP).

&

Dr Mowa Eliot, Maritime Archaeology University of Bristol. PhD

Archaeology (UP).

Compiled for:

Newcrest Investment CC

04 September 2022

Project Details

Item	Description
Proposed development and location	Newcrest Investment CC (The Proponent) is
	intending to conduct exploration and drilling
	activities on Exclusive Prospecting License
	(EPL) 8759 to explore for Base and Rare
	Metals, Dimension Stone, Industrial Minerals
	and Precious Stone. The EPL is located about
	86.05 km north northeast of Arandis and about
	70 km southwest of Usakos in the Erongo
	Region. The EPL covers a surface area of
	17782.2417 hectares (ha).
Title	ASSESSMENT REPORT FOR MINERALS
	EXPLORATION ON AN EXCLUSIVE
	PROSPECTING LICENSE (EPL) NO.
	8759, ERONGO REGION, NAMIBIA
Purpose of the study	The purpose of this document is an
	Archaeological and Heritage Impact
	Assessment report that describes the cultural
	values and heritage factors that may be
	impacted on by the proposed exploration
	activities.
Coordinates	EPL Centered at 21°36'23" S 15°05'40" E
Municipalities	Usakos District
Predominant land use of surrounding area	Farming, Tourism and mining
Heritage Consultant	OTAH & ESM Cultural Heritage Consultants
Author(s) identification	Dr. Eliot Mowa & Mr. Henry Nakale

In terms of land ownership, the land - use of the EPL 8759 extends over the following Farms: Twyfel, Vrede, Ootmoed, Schwarz Spitzkoppe, Oberwasser, Okambahe Reserve and Harmonie.

Copyright

Authorship: This A/HIA Report has been prepared by Mr. Henry Nakale and Dr. Eliot Mowa. The report is for the review of the National Heritage Council of Namibia.

Copyright: This report and the information it contains is subject to copyright and may not be copied in whole or part without written consent of the authors.

This report can however be reproduced by IDT and The National Heritage Council of Namibia for the purposes of the Archaeological and Heritage Management in accordance with the National Heritage Act, 27 of 2004

Geographic Co-ordinate Information: Geographic co-ordinates in this report were obtained using a hand-held Garmin Global Positioning System device. The manufacturer states that these devices are accurate to within +/- 5 m.

Maps: Maps included in this report use data extracted from the NTS Map and Google Earth Pro.

Disclaimer: The Authors are not responsible for omissions and inconsistencies that may result from information not available at the time this report was prepared.

The Archaeological and Heritage Impact Assessment Study was carried out within the context of tangible and intangible cultural heritage resources as defined by the National Heritage Council Regulations and Guidelines as to the authorisation of proposed exploration project being proposed by Newcrest Investment CC.

Signed by:

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Executive Summary

An archaeological impact assessment was carried out for Newcrest Investment CC focusing on the proposed exploration activities on EPL 8759 near the Klein Spitzkoppe Mountain in the Erongo region. The assessment therefore reviewed the archaeological records, historical documents from the previous studies surrounding the area, interview with locals and a field survey as a basis of inference to conclude that damage or disturb sites or materials protected under the National Heritage Act (27 of 2004) is unlikely to occur. However, due to the possibility that buried archaeological remains could come to light in the course of construction work the client is advised to adopt the Chance Finds Procedure attached as Appendix 1 to this report. of the selected target areas.

1.0 Introduction

Newcrest Investment CC has appointed OTAH and ESM Cultural Heritage Consultants (**JV**) to provide an archaeological/heritage assessment as envisaged under the provisions of the National Heritage Act (27 of 2004). This report presents the results of an archaeological/heritage field survey of the area, focusing on EPL 8759. The report suggests mitigation measures that would be in keeping with the applicable laws and policies governing the preservation of archaeological remains in Namibia. The EPL is located about 86.05 km north northeast of Arandis and about 70 km southwest of Usakos in the Erongo Region. The EPL covers a surface area of 17782.2417 hectares (ha) as shown in **figure 1**.

Newcrest Investment CC., hereinafter referred to as the proponent intends to carry out the following activities:

To undertake exploration and drilling activities on Exclusive Prospecting License (EPL) 8759 and to explore for industrial minerals, base, rare earth elements and precious metals, mineral deposits.

Due to the destructive tendency of such exploration activities, which may include earth-moving/land alteration operations, it is a pre-requisite to conducting an Archaeological and/or Heritage Impact Assessment (AIA) as obligated by the National Heritage Act, Act No. 27 of 2004 and, in part, by the Environmental Management Act, Act No. 7 of 2007. The main thrust of the

provisions of the aforementioned legislation is to protect and salvage cultural/ archaeological and environmental resources from potential destruction resulting from exploration or mining activities.

It was against this background that an Archaeological Impact Assessment (AIA) was carried out on EPL 8759 to fulfil the following objectives:

- a) To identify and document cultural/ archaeological materials and sites occurring in the area within and around the EPL.
- b) To assess the nature and scale of archaeological impact of the exploration activities on heritage resources.
- c) To suggest some conservation strategies for the cultural heritage resources that might occur in the area proposed for explorations which can be potentially destroyed in the course of such activities.

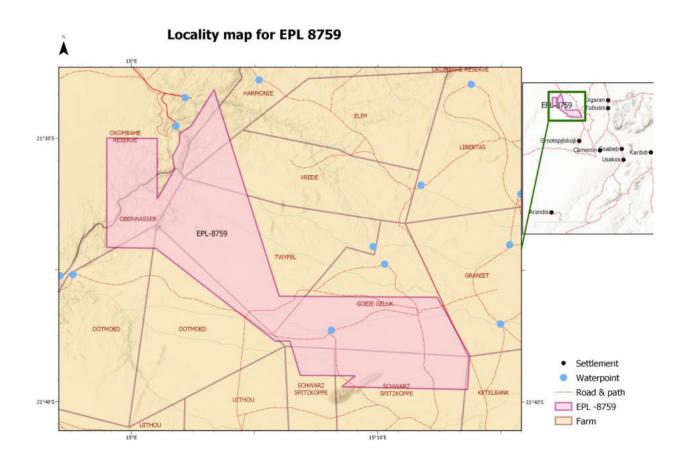


Figure 1; Locality map for EPL 8759 in the Erongo region near the Klein Spitzkoppe(Source: Hilya Amukwa 2022).

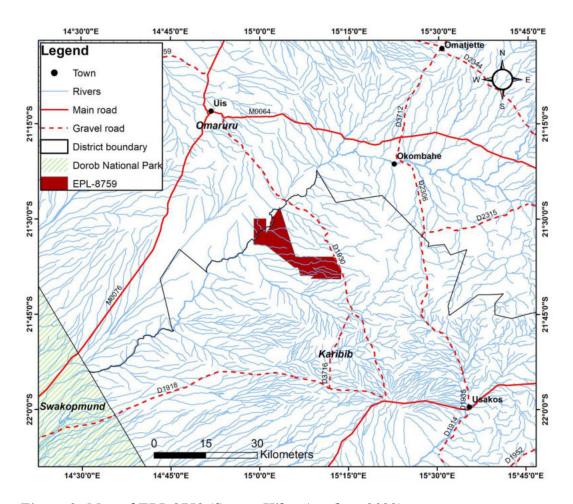


Figure 2; Map of EPL 8759 (Source Hilya Amukwa 2022).

1.1 Project Description

The proposed activity will entail the following planned activities and construction/ erection of support infrastructure and services.

Planned activities

The exploration program will commence with

- | Detailed geological mapping
- | | Detailed desktop study of historical exploration data
- | Delineation of drilling targets
- | | Core logging analysis
- | | Laboratory testing of core samples
- | | Production of a feasibility of a technical report

Areas found to comprise good quality resource of the targeted minerals will then be delineated and pursued further for possible mining, subject to the granting of a valid mining license from the Ministry of Mines and Energy (Hilya Amukwa 2022).

2.0 Legislations

In most cases where the aspect of mining is involved, cultural and archaeological evidence located within areas earmarked for development or mining usually faces the danger from complete destruction. The legal instrument for the protection of heritage sites and objects in Namibia is the National Heritage Act (No. 27 of 2004).

To ensure that this unique heritage of our past is protected and well documented, the National Heritage Act 27 of 2004 and EIA Terms of Reference concerning the assessment of impacts of the proposed development on the cultural and heritage resources associated with the receiving environment shall be used to guide the exploration exercise. The statutory mandate of heritage impact assessment studies is to encourage and facilitate the protection and conservation of archaeological and cultural heritage sites, following the provisions of the National Heritage Act, Act 27 of 2004 and Environmental Management Act (EMA) No. 7 of 2007 and its 2012 EIA Regulations. The National Heritage Act (Section 1 of 2004) defines heritage resources as those of geological and rare objects; paleontological; archaeological; ethnographic objects; historical objects/sites; maritime heritage; built monuments; mining sites as well as objects of scientific interests.

3.0 Approach to study

3.1 Terms of Reference

The main essence of the archaeological survey and assessment was to identify and record all sensitive archaeological sites within the limits of EPL 8759 that could negatively be affected by the above—mentioned project. The assessment is also intended to establish the heritage significance of possible resources and assess their vulnerability, estimate the extent of the possible impacts and establish the site and project-specific mitigation measures. This study is intended to satisfy the requirements of the Environmental Management Act (7 of 2007), and those of the National Heritage Act (27 of 2004).

3.2 Methodology

This Heritage & Archaeological Impact Assessment followed a desktop-based assessment, interview with local community members and field surveys. These methodologies are standards for environmental and heritage assessment in Namibia, which are in line with international best practices. Desktop information was fashioned from current and existing heritage archives. These were taken from existing heritage records comprising those from the National Heritage Council, archaeological GIS spatial data and record that has been substantially exposed during the last decades, by a series of detailed archaeological assessments carried out the during the mineral investigation and mining operations, and the development of infrastructure required by these operations. These sources were then supplemented by site visit fieldwork within EPL 8759.

Sensitivity and susceptibility rating scales, aimed at establishing the nature of vulnerability and sensitivity of heritage resources that are likely to be impacted by the exploration activities, were adopted as per assessment objectives. Their vulnerability to the disturbance in the course of exploration that includes drilling was evaluated according to parallel 0-5 scales, abridged in Table 1.

Table 1; rating scales for the assessment of archaeological significance and vulnerability developed by the QRN.

Significance Rating

- **0** No heritage significance
- 1 Disturbed or secondary context, without diagnostic materials
- 2 Isolated minor finds in undisturbed primary context, with diagnostic materials
- 3 Archaeological and paleontological site (s) forming part of an identifiable local distribution or group
- 4 Multi-component site (s), or central site (s) with high research potential
- 5 Major archaeological or paleontological site (s) containing unique evidence of high regional significances

Vulnerability Rating

0 Not vulnerable

- 1 No threat posed by current or proposed development activities
- 2 Low or indirect threat from possible consequences of development (e.g., soil erosion)
- 3 Probable threat from inadvertent disturbance due to proximity of development
- 4 High likelihood of partial disturbance or destruction due to close proximity of development
- 5 Direct and certain threat of major disturbance or total destruction

Concerning each specific source of impact risk to heritage resources, the assessment methodology estimated the extent of the impact, the magnitude of impact, and the duration of these impacts. The scales of estimation are set out and explained in Table 2.

Table 2; Assessment criteria for the evaluation of cumulative impacts on archaeologicalsites developed by the QRN.

CRITERIA	CATEGOR	DESCRIPTION			
	Y				
Extent or	National	Within Namibia			
spatial	Regional	Within the Region			
influence of	Local	On site or within 200 m of the impact site impact			
impact					
Magnitude of	High	Social and/or natural functions and/ or processes are			
impact (at	Medium	severely altered			
the indicated	Low	Social and/or natural functions and/ or processes are			
spatial scale)	Very Low	notably altered			
	Zero	Social and/or natural functions and/ or processes are			
		slightly altered			
		Social and/or natural functions and/ or processes are			
		negligibly altered			

		Social and/or natural functions and/ or processes remain unaltered
Duration of	Short Term	Up to 3 years
impact	Medium	4 to 10 years after construction
	Term	More than 10 years after construction
	Long Term	

4.0 Assumptions and Limitations

This heritage impact assessment described here relies on desktop studies and is supported by field assessments undertaken. It is possible to predict the likely occurrence of further archaeological sites with some accuracy and to present a general statement of the local archaeological site distribution. Nevertheless, it is critical as a precautionary measure and best practice, we are recommending the proponent to strictly follow the chance find procedure as the project progresses should any archaeological objects be found during drilling and trenching. The Chance finds procedure is outlined in the National Heritage Council booklet, (2017) and the proponent will be supplied with a copy. Failure to follow and implement such a procedure will result in appropriate action being taken against the proponent as per the Heritage Act of 2004.

5.0 Brief heritage setting of the Project Area

This western part of Namibia is arid and presents a harsh environment for human habitation. However, these harsh environmental condition still retains some attractive attributes that led to the habitation of the Erongo Mountains, Brandberg mountains, Spitzkoppe and Twyfelfontein. According to Nankela (2020) these areas accorded humans minimum basic needs such as water and wild game since under the mountain topography enables orographic rainfall that forms localized micro-climates to meet the basic needs of the early settlers. Available archaeological evidence is characterized by short periods of relatively intense occupation, and long periods in which there appears to have been little or no human presence (Kinahan 2011). This is apparent as observed by the early researchers within the greater Erongo, it has been theorized that such

evidence of human occupation and subsequent desertion by the original artists of the many rock paintings and engravings in the Erongo region, is a consequence of environmental and climatic changes. Resulting in the movement and migration of wildlife northward, which was subsequently pursued by humans resulting in the desertion of the rock paintings and engravings by the original artists.

The Erongo region has been the focus of several archaeological surveys and assessments during the last two decades. These surveys have helped to determine the local archaeological sequence and to establish the relationship between archaeological sites and the types of terrain that characterize the area, including gravel outwash fans, granite outcrops and the many dolerite ridges that crisscross the landscape. However, archaeological surveys for mining and infrastructure projects are highly focused on a specific localized area of particular projects and do not therefore as a rule reflect the wider archaeology of the entire spatial area that shares similar topography and geologic composition characteristics. Cumulative results of earlier surveys indicate the archaeological importance of this general area, although the intensity of the survey varies considerably and large parts of the area are archaeologically unknown (Kinahan 2020).

According to Kinahan (2011) the general sequence and archaeological characteristics of the area under consideration, based on current knowledge, are as follows:

- **a. Early to mid-Pleistocene** (ca. 2my to 0.128my; OIS 6, 7, 19 &c): represented by surface scatters of stone tools and artefact debris, usually transported from original context by fluvial action, and seldom occurring in sealed stratigraphic context.
- **b. Mid- to upper Pleistocene** (ca. 0.128my to 0.040my; OIS 3, 4 & 5a-e): represented by dense surface scatters and rare occupation, evidence in sealed stratigraphic context, with occasionally associated evidence of food remains.
- **c. Late Pleistocene** to late Holocene (ca. 0.040my to recent; OIS 1 & 2): represented by increasingly dense and highly diverse evidence of settlement, subsistence practices and ritual art, as well as gravesites and other remains.

5.1 Localized area

The area understudy lies about 25 km northeast of the Spitzkoppe mountain. The history of archaeological research at the Spitzkoppe reaches back to 1917 when the Bushman Paradise was first excavated by the geologist Reuning (Vogt, 2006). In subsequent years it was studied by, among others, the French prehistoric cave art specialist, Abbé Henri Breuil in 1948 (Breuil, 1955). Various expeditions to the Bushman Paradise were made by Dr. Ernst Scherz with an aim of recording the prehistoric art (Scherz, Denninger, & Breunig 1986). Kinahan made the first systematic survey of the Spitzkoppe archaeological region and recorded 37 rock art and archaeological sites including the Bushman Paradise. According to Kinahan (1990), the site yielded evidence for an early transition from a hunter gatherer to herding economy. Part of the evidence is the paintings of what Kinahan has identified as cattle (Kinahan, 1990, p. 9).

6.0 Fieldwork Findings and Observations

A detailed field survey was carried out within the footprints of EPL 8759 on the 24 July and 27 August 2022 respectively. The field survey aimed at recording and locating the most important archaeological features that might be negatively impacted by the proposed exploration activities within the boundaries of EPL8759. The field survey involved a combined approach which included foot survey, public consultation meeting and one-on-one interviews with Mr. Benjamin Naruseb (Headman) and some community members. Three undated

abandoned historical building structures were recorded within the Goieie Geluk resettlement during these field survey, the filed survey team further recorded two graves in farm Ootmoed but they are laying outside the concerned EPL. The site locations are set out below together with brief remarks on their significance. The vulnerability of the sites is given in terms of their distance from the explorations target area.

During the public consultation meeting and one – on – one interviews, the community members confirmed that there are no any other known potential heritage sites within the footprints of EPL 8759. However, areas like Oberwasser and Okambahe Reserve are zoned off and currently not occupied because they are used as breeding areas for the wild animals. The field survey team

also learned that there are several small scale mining activities going on within the areas of Twyfel, Goieie Geluk, Harmonie and Swarz Spitzkoppe.

Site 1; Ruined Building Structures

Site coordinates: 21° 36'44.08" S 15°11'41.75" E

Description: Abandoned undated building structures

Significance rating: 1 (Historical significance)

Vulnerability rating: 2 (Low or indirect threat from possible consequences of development, the abandoned structures are adjacent to the farm house)

Site 2; Graves

Site coordinates: Outside the EPL boundaries

Description: Two graves,

Significance rating: 1 (historical significance).

Vulnerability rating: 2 (Low or indirect threat from possible consequences of development, the two graves are in close proximity to the farm house).



Figure 3: Ruined building structures on farm Goieie Geluk within EPL 8759 (Sources: Authors 2022).



Figure 4; Targeted outcrop within EPL 8759 (Sources: Authors 2022).

8.0 Conclusions and Recommendations

EPL 8759 have recorded two possible historical sites dating back the colonial era. With such evidence, it is highly possible that subsurface remains may be exposed during site preparation and explorations activities, therefore the chance find procedure is highly recommended.

The significance rating of these sites is referred to in Table 1 and ranges from 0 to 1. They are considered as low value archaeological or heritage resources. In terms of their vulnerability rating, both sites are rated 0 (not vulnerable) but these sites will require mitigation measures should the proponent wish to expand their area of exploration.

8.1 Management recommendations

Appropriate impact mitigation measures to be adopted in the course of the project would include: location details of both sites to be incorporated within the project GIS and EMP.

- a) Creation of a 50-meter radius buffer zone for site 1 recorded in this assessment. Further research or investigation of this site is highly recommended.
- b) Site inspection by the heritage council of the buffer zone to ensure the proponent abide by the conditions as set by the heritage council.
- c) Adopt the Chance Find Procedure
- d) Oberwasser and Okambahe Reserves should be excluded from the exploration activities as this are zoned off as breeding areas, should the proponent wish to expand their exploration activities within these two reserves then a field survey should be carried out by a qualified archaeologist.

Appendix 1)

The proponent is advised to implement the following management actions on the way forward:

1. Chance Finds Procedure (CFP) management guideline:

EPL 8759 is an important mining infrastructure development area subject to heritage and archaeological assessment at the planning stage. These assessments were desktop-based, and field surveys were carried out therefore; significant subsurface heritage resources might be discovered. Onsite personnel and contractors must be sensitized to recognize "chance finds heritage" in the course of their work. The procedure set out here covers the reporting and management of such finds. The CFP covers the actions to be taken from the discovery of a heritage site or object to its investigation and assessment by a trained archaeologist. The CFP is intended to ensure compliance with the relevant provisions of the National Heritage Act (27 of 2004), especially Section 55 (4): "a person who discovers any archaeological objects must as soon as possible report the discovery to the council". The procedure of reporting set out below must be observed so that heritage materials are reported to the authorities.

A. Responsibilities:

Operator to exercise due caution if archaeological remains are found

Foreman to secure site and advise management timeously

Superintendent to determine safe working boundary and request inspection

Archaeologist to inspect, identify, advice management, and recovers remain

B. Procedure:

Action by the person (operator) identifying archaeological or heritage material

• If operating machinery or equipment: stop work

- Identify the site with flag tape
- Determine GPS position if possible
- Report findings to foreman

C. Action by foreman:

- Report findings, site location and actions are taken to the superintendent
- Cease any works in the immediate vicinity

D. Action by superintendent

- Visit the site and determine whether work can proceed without damage to findings;
- Determine and mark the exclusion boundary
- Site location and details to be added to the Archaeological Heritage database system

E. Action by archaeologist

- Inspect site and confirm the addition to AH database system;
- Advise National Heritage Council and request a permit to remove findings;
- Recovery, packaging and labeling of findings for transfer to National Museum

F. In the event of discovering human remains

- Actions as above;
- Field inspection by archaeologist to confirm that remains are human;
- Advise and liaise with NHC Guidelines; and
- Recovery of remains and removal to National Museum or National Forensic Laboratory, or as directed.

8.2 Conclusions

At this stage it is important that the proponent is made aware of the fact that archaeological/heritage sites in the project area are protected under the National Heritage Act (27 of 2004). When exploration is underway, the proponent should make sure that all personnel and contractors are aware of the protected nature of archaeological sites as well as the legal obligation to report any new finds to the National Heritage Council as soon as possible. The proponent should take steps to avoid either direct damage to the sites or to their immediate landscape setting.

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Appendix D Attendance register and communication

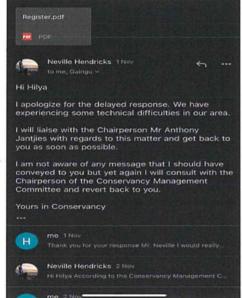
Attendance Register for EPL 8759

Exploration application for environmental clearance certificate

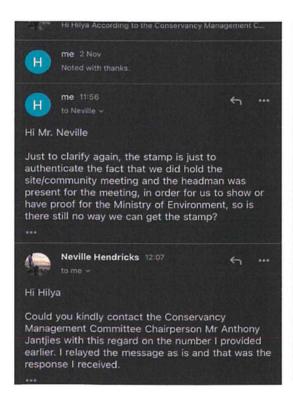
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Communication with the conservancy chairperson





Me



Goodafternoon Mr Jantjies, I'm Martha and I'd like to know the procedures for acquiring a stamp if we hosted a site visit in your Conservancy with the head man present along side the Conservancy secretary Ms Anna and we need a stamp as proof of the site meeting/ visit and the attendance of the headman. They signed the attendence register but were unable to provide the stamp at that moment.

Appendix E Stakeholder List

Stakeholder List of EPL 8759

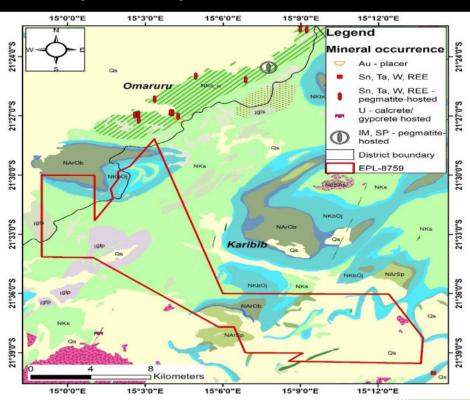
Stakeholders L	List		
Proponent:	Newcrest Investment		
	Organisation	Contact person	Department/Position/Affiliation
	Gaia Consultants cc	Hilya Amukwa	Environmentalist
SEA/EIA Project Team			
	Organisation	Contact person	Department/Position
	Ministry of Environment and Tourism	Theo Nghithila	Executive Director
		Timoteus Mufeti	Environmental Commissioner
		Caroline Garus- oas	Deputy Environmental Commissioner
		Saima Angula	Deputy Director: Environmental Assessment, Waste Management, Pollution Control and Inspections
	Ministry of Agriculture, Water & Land Reform	Mr. Percy Misika	Executive Director
		Margaret Kalo	Senior Public Relations Officer
	Ministry of Mines & Energy	Mr. Simeon Negumbo	Executive Director
		Erasmus Shivolo	Mining Commisioner
		Mathews Amunghete	Chief Inspector of Mines
ment	Ministry of Urban and Rural Development	Nghidinua Daniel	Executive Director
ern		Niita Iipinge	Dep. Director: Resettlement
<u>6</u>	Organisation	Contact person	Department/Position/Affiliation
Central Government		35	- spartmenty i ostatny Armadon
	Erongo Regional Council	Neville Adre	Govenor
Regional GRN		Ms Ludmilla H Doeses	Chief Regional Officer
Re.		Mr Meroro	Deputy Director: Planning

		Ms Dimari Van Rensburg	Town and Regional Planner
	#Gaingu Conservancy	Jantjies Tomieb	Committee chairperson
		Anna Spy	Committee Secretary
()	Spitzkoppe Community	Benjamin !Naruseb	Headman
rvan	We did by the second of	NA de la che Nadiana	Constitution (Constitution)
nsei	Karibib town council	Melanie Ndjago	Councillor
8	Daures constituency Karibib traditional	Goseb	
Local Leadership (Traditional Authority & Gaingu Conservancy)	authority	Goseb	
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Appendix F EMP

2022

Environmental Management Plan (EMP) FOR EPL 8759



Hilya Amukwa -- Environmental Practitioner

Martha Haludilu – Information Specialist

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Purpose of Environmental Management Plan (EMP)

Environmental management plan (EMP) serves as a tool that can ensure sustainable mineral exploration, as it contains measures aimed at protecting, rehabilitating and restoring the environment to its productive state before, during and after exploration. It serves as a risk strategy that contains logical framework, monitoring programs, mitigation measures and management control. The aim of an Environmental Management plan (EMP) is to develop procedures to implement project's mitigation measures and monitoring requirements. It is deemed as a risk strategy that contains logical framework and management control strategies to minimize potential environmental impacts to significant level. The EMP ensures the community that the environmental management of the project is acceptable. As well as stipulating the roles and responsibilities of persons involved in the project. An EMP ensures that legal and policy requirements are well known and understood by the proponent, its employees and contractors and will be strictly enforced by its management team. Issues and concerns identified in the EIA will form a set of environmental specifications that will be implemented on site.

The control measures described in this EMP have been developed following consideration of the findings of the Environmental Impact Study (EIS), which concluded that a number of environmental values would be impacted by the proposed exploration activities. The intent of the proposed control measures is to ensure that project related activities will not negatively affect the environment, or the health, welfare and amenity of people and land uses by meeting or exceeding statutory requirements.

Furthermore, overall objectives of this EMP are:

- ✓ To develop measures that will mitigate the adverse impacts of the proposed project
- ✓ Ensuring compliance with regulatory authority stipulations and guidelines
- ✓ To formulate measures to enhance the value of environmental components where possible.
- ✓ To formulate measures to protect environmental resources as well enhance the value of environmental components where possible.

✓ Responding to unforeseen events and providing feedback for continual improvement in environmental performance.

Project Phases Covered in the EMP

The following phases are addressed in this EMP:

- ✓ Exploration phase: this is the phase where the proponent will be carrying out exploration of mineral and other minerals. It is also the time when proponent has to undertake maintenance and care of the environment and machinery.
- ✓ Environmental monitoring phase: this is the phase when mitigation measures are implemented, and the monitoring plan put in place. This phase runs concurrently with the exploration and decommissioning.
- ✓ **Decommissioning phase:** This is the phase when exploration activities cease as a result of either poor exploration results or loss of market demand for the targeted commodity. Rehabilitation measures will have to put in place during exploration and before decommissioning.

Legal Implications and obligations under the EMP

The EMP will be sent to the Directorate of Environmental Affairs and Forestry (DEAF) of the Ministry of Environment, Forestry and Tourism (MEFT) for approval. Once the DEA is satisfied with the contents of the EMP, they will issue an Environmental Clearance Certificate (ECC) to the Proponent to commence with the exploration in the proposed area. The ECC is linked with the recommendations of the Environmental Management Plan. Once the ECC is issued, the EMP becomes a legally binding document and each role-player including contractors and subcontractors are made responsible to implement the relevant sections of the EMP and is required to abide by the conditions stipulated in this document. (Environmental Management Act 7 of 2007)

Environmental Management Principles

The proponent will ensure that all parties involved in the project uphold the following broad aims:

- i. All persons will be required to conduct all their activities in a manner that is environmentally and socially responsible. This includes all consultants, contractors, and sub-contractors, transport drivers, guests and anyone entering the exploration area in connection with the exploration project.
- ii. Health, Safety and Social Well Being
 - ✓ Safeguard the health and safety of project personnel and the public against potential impacts of the project. This includes issues of road safety, precautions against natural dangers on site, and radiation hazards; and,
 - ✓ Promote good relationships with the local authorities and their staff.

iii. Biophysical Environment

- ✓ Wise use and conservation of environmental resources, giving due consideration to the use of resources by present and future generations;
- ✓ Prevent or minimize environmental impacts;
- ✓ Prevent air, water, and soil pollution, Biodiversity conservation and due respect for the purpose and sanctity of the area.

To achieve these aims, the following principles need to be upheld.

Commitment and Accountability:

The proponent senior executives and line managers will be held responsible and accountable for: Health and safety of site personnel while on duty, including while travelling to and from site in company vehicles and environmental impacts caused by exploration activities or by personnel engaged in the exploration activities, including any recreational activities carried out by personnel in the area. This will be upheld by the following:

Competence

The proponent will ensure a competent work force through appropriate selection, training, and

awareness in all safety, health and environmental matters.

Risk Assessment, Prevention and Control

Identify, assess and prioritize potential environmental risks. Prevent or minimize priority risks

through careful planning and design, allocation of financial resources, management and workplace

procedures. Intervene promptly in the event of adverse impacts arising.

Performance and Evaluation

Set appropriate objectives and performance indicators. Comply with all laws, regulations, policies

and the environmental specifications. Implement regular monitoring and reporting of compliance

with these requirements.

Stakeholder Consultation

Create and maintain opportunities for constructive consultations with employees, authorities, other

interested or affected parties. Seek to achieve open exchange of information and mutual

understanding in matters of common concern.

Continual Improvement

Through continual evaluation, feedbacks, and innovation, seek to improve performance regarding

social health and well-being and environmental management throughout the lifespan of the

exploration project.

Financial Provisions for exploration

In line with Namibia's environmental rehabilitation policy, the proponent will make the necessary

financial provision for compliance with the EMP.

Organization plan: Roles and responsibilities

The environmental aspects which may be affected by the proposed project have been categorized

into negative and positive impacts as an extension of the preceding sections. This section

6

summarizes the objectives, indicators to be observed, schedules be adhered to and roles and responsibilities of various stakeholders to the EMP.

Identified impacts on bio-physical environment Negative Impacts

The following potential effects on the environment during the construction, operation and decommissioning phase of the quarrying project have been identified:

Air quality: Dust emissions

Mitigation Measures to be enforced

- ✓ Dust suppressants shall be applied to all the exploration activities as well as all off roads and gravel roads.
- ✓ The speed of exploration vehicles must be strictly controlled to reduce dust or prevent deterioration of the roads being used.
- ✓ All off roads in the project area should have a speed limit of 50km/h in order to minimize the amount of dust generated by vehicles.
- ✓ During high wind conditions the proponent must make the decision to cease works until the wind has calmed down.
- ✓ Use of personal protective equipment for proper dust control for respiratory protection and other necessary PPE (gloves, work suits, sun hats etc.).
- ✓ Converting high-use vehicles to cleaner fuels, where feasible
- ✓ Installing and maintaining emissions control devices, such as catalytic converters.
- ✓ Implementing a regular vehicle maintenance and repair program.
- ✓ The movement of drilling related vehicles on unpaved access track will be on a small scale.
- ✓ Water sprays should be used around the lay-down area when drilling, especially when performing reverse circulation, where water is not used.

✓ Regardless of the size or type of vehicle, fleet owners /operators should implement the manufacturer recommended engine maintenance programs.

Monitoring

- ✓ Daily inspection by the ENC of the gravel roads and exploration site on possible dust creation that requires attention.
- ✓ Daily inspection on site by the ENC to ensure that all workers are wearing their protective clothes at all time during the exploration process and the dry skin contact with gloves is prevented.

Table 1: The roles and responsibilities of various stakeholders to the EMP

Proponent	✓ Responsible for the management and
	implementation of the EMP
	✓ Ensure environmental policies are
	communicated to all personnel
	throughout the proposed project and
	that employees understand the
	guidelines of the EMP
	✓ Responsible for providing the
	resources required to complete the
	projecttasks
	✓ Appoint a safety health and
	environment manager and supporting
	officers, and
	✓ Ensure all workers are inducted on
	safety measures.
	✓ Ensure that all contract workers,
	sub-contractors and visitors to the
	site areaware of the requirements
	of this EMP, relevant to their roles
	and always adhere to this EMP
	✓ Report any non-compliance or
	* · ·
	accidents to the Safety Health and
	Environment Manager.

Safety Health and Environment	✓ Oversee safety health and environment
management	related activities
	✓ Monitor daily operations and ensure adherence by personnel to the EMP
	✓ Maintain the community issues and concerns register and keep records
	ofcomplaints, and
	✓ Maintain an up-to-date register of employees who have completed site induction.
	✓ Receive, recording and responding to complaints
	✓ Ensure adequate resources are available for the implementation of the EMP
	✓ Ensure safe and environmentally sound operations, and
	✓ Responsible for the management, maintenance, and revisions of this EMP
	✓ Adhere to measures set out in the EMP✓ Ensure they have undertaken a site
	induction, and
Employees	✓ Report any operations or conditions
	which deviate from the EMP as well
	as any non-compliant issues or
	accidents to the environmental
Traditional authority	manager ✓ Ensure that their traditional
Traditional authority	communities use the natural resources
	at their disposal on a sustainable basis
	and in a manner that conserves the
	environment and maintains the
	ecosystems for the benefit of all
	persons in Namibia.
	✓ help in facilitating the constructing
	public infrastructure in their localities, even ensuring their functionality
	✓ Ensure the adherence to the terms of
	agreement dictated by the ECC
Communal conservancy management	✓ Monitoring the exploration progress
	and its impact on the wildlife,
	environment and conservancy in

general
general

The table above is summarized below, with the following parties to aid in overseeing that the overall objective of this document is met;

- ✓ Management Committee
- ✓ Safety Health and Environment Manager
- ✓ Safety and Health Officer
- ✓ Environmental Officer
- ✓ Foreman on duty
- ✓ Personnel on duty/ employees

Table 2: The roles and responsibilities of various stakeholders, environmental indicators and objectives

Objectives	Indicators	Responsibility
To avoid any form of hydrocarbon spills on and around the exploration site	No hydrocarbon spillage or/and remnants of hydrocarbonspillage shall be visible round the project site	SF,PS, ENC
To avoid any form of liter be it paper, metal, plastic and human waste on and around the exploration site	No litter or/and remnants of liter shall be visible around the project site	SF,PS, ENC
To minimize land and soil disturbance	Driving tracks and excavation shall be restricted and only be visible within the project site.	SM, SF, ENC
To protect and conserve fauna and florawithin the project area	Minimum levels of habitat disturbance	SM,SF, ENC
To minimize dust generation on site and atmospheric pollution	Emissions/generation particulate content of the dust around the site and gravel roads shall not	SM,SF, ENC

	exceed maximum allowable concentration that may affect human being and animals	
To ensure compliance with statutory requirements	Assurance measures shall be put in place and Periodic inspections aimed at corrective action undertaken, recorded and documented	EC, PP, ENC

Table 3: The implementation of the objectives should be adhered to as indicated in the table

Objectives	Indicators	Responsibility
To avoid any form of hydrocarbon spills on and around the mining site	No hydrocarbon spillage or/and remnants of hydrocarbon spillage shall be visible around the projectsite	Personnel on duty, Foreman on duty
To avoid any form of liter be it paper, metal, plastic and human waste on and around the mining site	No litter or/and remnants of liter shall be visible aroundthe project site	All employees, Environmental Officer, safety, Health and Environment Manager.
To minimize land and soildisturbance	Driving tracks and excavation shall be restricted and only be visible within the project site.	Personnel on duty, Foreman on duty and Environmental Officer.
To protect and conserve fauna and flora within the project area	Minimum levels of habitat disturbance	Safety, Health and Environment Manager, Environmental Officer and personnel on duty
To minimize dust generation on site and atmospheric pollution	Emissions/generation particulate content of the dustaround the site and gravel roads shall	Foreman on duty, Environmental Officer and Safety Health and Environment Manager.

	not exceed maximum allowable concentration that may affect human being and animals	
To ensure compliance with statutory requirements	Assurance measures shall be put in place and Periodic inspections aimed at corrective action undertaken, recorded and documented	Environmental Manager, Safety Health and Environment Manager.

The following tables gives the mitigation measures to be undertaken during construction, operation, closure and decommissioning phases with the proponent responsible for implementation.

Table 4: Summary of environmental impacts, mitigation measures and monitoring plan for all project phases

Construction Phase

Environmenta l impacts	Proposed mitigation measures	Responsibility	Monitoring plan
Air pollution	 Regular maintenance of vehicles and equipments. Brief workers and contractors. Control speed and operation of construction vehicles. Regular maintenance of vehicles, construction equipments and heavy machineries. Provide workers with dust masks. 	Personnel on duty, Foreman on duty and Environmental Officer	 Amount of dustproduced. Level of landscaping executed.
Noise pollution	 All noise should be kept within reasonable levels. Employees and neighbors should be notified of any scheduled 	Foreman on duty, Environmental Officer, Safety Health and Environment	Amount of noiseproduced

	unusual noise	Monogor	
	 unusual noise. Regular maintenance of vehicles, equipment's and heavymachinery. Workers should be provided with personal hearing protection if working in a noisy environment. 	Manager.	
Solid waste	 Littering should be discouraged by having strategically placed bins and refuse skips on site. Recycling plastic, paper and cans should be encouragedon site The bins should be emptied on a regular basis by the proponent or an independent contractor. The site should have containers with bulk storage facilities at convenient points to prevent littering. 	Personnel on duty, Environmental Officer and Safety Health and Environment Manager	Presence of dust bins/waste collection points.
Oil leaks and spills	 Contactor should have a sealed designated area where maintenance is carried out to prevent percolation of contaminants. Oil products should be handled carefully on bounded surfaces; in case it leaks. Vehicles and equipment should be well maintained toprevent oil leaks. 	Personnel on duty, Foreman on duty Environmental Officer and Safety Health and Environment Manager	Absence of oil spills and leaks on site.
First aid	A well-stocked first aid kit shall	Safety Health and	 Contents of the first aid kits.
	THE THE SHALL	Environment	

	he maintained by	Manager,	
	be maintained by a qualified	Safety and	
	personnel.	Health	
Visual	-	Officer. Safety Health	Employees to be
Visuui	Environmental considerations will	and	 Employees to be trained on how to
	always be adhered to	Environment	minimize impacts
	before clearing roads,	Manager, Environmental	that can easily be
	trenching and	Officer	identified with
	excavation.		the
	Cheuvation.		eye.
Archaeological	• Buffer zones will be	All personnel	,
sites	created around the sites.	on duty,	• Register of all
	Adhere to practical	Environmental	archaeological
	guidelines provided by	officer, Safety	sitesidentified.
	the responsible	Health and	
	archaeologist to reduce	Environment	
	archaeological impacts	Manager	
	of quarrying activities.		
	All archaeological sites		
	to be identified and		
	protected before		
	development		
0	commences.	C-f-t1	
Occupationa Il health and	• Provide personal protective equipment's,	Safety and Health	Workers
safety	train workers on	Officer,	 Workers using personal
Salety	personal safety, and	Safety Health	protective
	how to handle	and	equipment's.
	equipment's and	Environment	• Availability of a
	machines.	Manager	well-stocked first
	• A well-stocked		aidbox.
	first shall be		
	maintained by		
	qualified		
	personnel.		
	• Report any		
	accidents/		
	incidences		
	and treat and		
	compensate		
	affected		
	workers.		
	• Provide		
	sufficient		

	and suitable		
	sanitary convenience s which should be kept clean. Clean sanitary • facilities.		
Fauna	 Some habitat areas such as the river and tunnel outcrops will be avoided wherever possible. A fauna survey will be conducted to determine the effect of fragmented habitat to game species should the need arise. No animals shall be killed, capture or harmed in any way. No food stuff shall be left lying around as this will attract animals which may result in human-animalconflict. 	Personnel on duty, Environmental Officer, Safety Health and Environment Manager	Regular monitoring of any unusual signs of animal habitat.
Alien invasive plants	 Ensure vehicles and equipment are clean of invasive plants and seeds. Eradicating alien plants using area management plan. Contain neighboring infestations and restrict movement of invasive plants from adjacent lands Educating everyone on site on types of invasive plants. 	Environmental Officer, Environmental Manager	Regular monitoring of any signs of alien plants.
	 Environmental 	Environmental	 Warning signs

Loss of vegetation	considerations will always be adhered to before clearing roads, trenching and excavating. • The movement of vehicles in riverbeds, rocky outcrops and vegetation sensitive area will be avoided. • The movement of vehicles will be restricted to certain tracks only.	Health and	onsite • Restored vegetatio n
Social Aspect	 Job creation Skills development Better Infrastructures	Traditional Authority, Environmenta l officer	•

Operational Phase

Environmental	Proposed mitigation	Responsibility	Monitoring plan
/Social	measures		
Impact			
Noise pollution	 All noise should be kept within reasonable levels. Employees and neighbors should be notified of any scheduled unusual noise. Regular maintenance of vehicles, equipment and heavymachinery. Workers should be provided with personal hearing protection if working in a noisy 	All employees, Safety Health and Environment Manager Environmental Officer	• Amount of noise produced

	environment.		
Visual	Environmental considerations will be adhered to at all times before clearing roads and excavations	Safety Health and Environment Manager Environmental officer	Employees to betrained on how to minimize vi sualimpacts
Fauna	 Some habitat areas will be avoided where possible. A fauna survey will be conducted to determine the effects of fragmented habitat game species should the need arise. No animal shall be kept, captured, killed or harmed in any way. No food stuff will be left lying around as these will attract animals which may result in human-animalconflict. 	All employees, Environmental officer Safety Health and Environment Manager	• Regular monitoring of unusual signs of animal habitat.
Alien invasive plants	 Ensure debris is properly disposed of. Ensure vehicles and equipment are clean of invasiveplants and seeds. Contain neighboring infestations and restrict movement of invasive plants from adjacent lands Educating everyone on site on types of invasive plants. Eradicating alien invasive plants by using an area management plan 	Safety Health and Environment Manager Environmental Officer Foreman and personnel on duty	Regular monitoring of any signs of alien invasive plants
	• Environmental	Safety Health and	• Restored

	oonsidanstians will	Envisonment	vacatation
Loss of vegetation	considerations will be adhered to at all times before clearing roads, trenching and excavations. • Paths and roads will be aligned to avoid root zones. • Permeable materials will be used wherever possible. • Movement of vehicles in riverbeds, rocky outcrops and vegetation sensitive areas will be avoided and restricted to certain tracks only.	Environment Manager	vegetation
Solid waste	 Minimize solid waste generated on site. Encourage segregation of waste on site Debris should be collected by waste collection contractor. Excavated waste should be piled at a designated approved location. 	Safety Health and Environment Manager Environmental Officer All foremen, personnelon duty	 Amount of waste onsite. Availability of dust bins, waste collectionpoint.
Oil leaks and spills	 Machinery should be well maintained to prevent oil leaks. Contractors should have a designated area where maintenance is carried out and should be underlain by impermeable layer. Workshops should be bounded by concrete 	Environmental Officer, Safety Health and Environment Manager, Foremen, personnelduty	No observed/detecte d oil spills and leaks onsite
Archaeological sites	 Buffer zones will be created around the sites. Adhere to practical 	Environmenta l and safety manager	• Up to date register of all archaeological sites identified in

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	guidelines provided by an archaeologist to reduce archaeological impact of quarrying activities. • All archaeological sites to be identified and protected before further quarrying commences.		thevicinity.
First aid	Qualified personnel shall maintain a well- stocked first aid kit.	Safety and health Officer, Safety Health and Environment Manager	Contents of the firstaid kit.
Fire preparedness	 Fire incidence firefighting emergency response plan. Ensure all firefighting equipments are always available regularly maintained, serviced and inspected. Fire hazard signs and directions to emergency exit, route to follow and assembly point in case of any. 	Health safety officer Safety Health and Environment Manager	 Fire signs put up in strategic places. Availability of well-maintained firefighting equipments.
Environmental health and safety	• Train workers on personal safety and disaster prepared	Safety Health and Environment Manager	 Provide sanitary facilities. Copies of annualaudit.

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ness. • Provide sufficient and suitable sanitary conveniences which should be kept clean. • Conduct annual health and safety audits. • Report any accidents/incidences, treat and compensate affected workers.	
compensate	
 A well- stocked first aid kit shall be maintained by qualified 	
personnel.	

Decommissioning phase

Impact	Proposed mitigation measures	Responsibility	Monitoring plan/Indicator
Noise and air pollution	 Workers in noisy section must wear personal hearing protection. Regular maintenance of vehicles, equipment's, heavy machinery on regular basis. Workers should be provided with dust mask to wear atall times. Decommissioning work can only be carried out during the day. 	Health safety and Environment Manager Environmental Officer	• Amount of noise and dust generated

Disturbed Physical environment	Undertake a complete a complete environmental restoration programme and introducing appropriate vegetation for ground stabilization.	Health safety and Environment Manager Environmental Officer	
Solid waste	 Contracted waste collection company should collect solid waste. Excavation waste should be used or backfilled Open pit must be fenced of to avoid animals and unauthorized people from entering. Waste dumps must be sloped and lined with topsoil to allow regermination of grasses 	Health safety and Environment Manager Environmental Officer	 Amount of wasteon site. Presence of well-maintained receptacles and central collection point.
Occupational health and safety	 Train workers on personal safety and how to handle equipment and machines. Provide personal protective equipment (PEE). A well-stocked first aid kits shall be maintained by 	Officer, Health safety and Environment manager	 Workers using protective equipment. Availability of a first aid box.

qualified personnel.	
• Demarcate area under	
decommissioning.	

Resource required

The aforementioned Phases will require a great deal of resources from money to mining tools such as Miner tools—tools that miners carry on them, like pickaxe and chisels. Mining PPE—equipment that miners use to stay safe while working. Surface mining equipment—all the tools and mining machines used for surface mining. Underground mining equipment—all the tools and mining machines used for underground mining such as drills, excavators, Dozers, Mining trucks, Shovels and wheel tractor scrapers.

Table 5. The qualitative assessment of air quality impacts for the movement of vehicles on unpaved roads and drilling activities.

Mitigation	Severity	Duration	Spatial	Consequence	Probability	Significance
			Scale		of	
					Occurrence	
Unmitigated	M	L	L	L	M	H
Mitigated	L	L	L	L	L	L

Noise pollution from vehicles, drilling and other activities

Mitigation Measures to be enforced:

- ✓ Drilling will only be conducted during the day, where the drill-site is located close to a dwelling.
- ✓ Workers working near high noise exploration machinery will be provided with ear protection equipment such as earmuffs and earplugs.
- ✓ Reduction of noise from drilling rigs by using downhole drilling
- ✓ No noise generating activities should be undertaken before 8am and after 17:00 hours, over weekends and on public holidays.
- ✓ Employees should be limited to working hours only at most 8 hours per day.
- ✓ In the event that activities continue outside the stipulated hours the contractor will communicate such occurrences to potentially affected communities prior to commencing such activities.

- ✓ Do not allow the use of horns/hooters as a general communication tool, but use it only where necessary as a safety measure.
- ✓ Safe minimum distance from noise generating activities should be introduced.
- ✓ Noise levels should not be equal to or exceed 85dBA for workers working an 8-hour shift (according to ISO 18000).

Table 6. Shows the qualitative assessment of noise.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	L	L	L	M	M
Mitigated	L	L	L	L	L	L

Monitoring

Noise monitoring may be carried out for the purposes of establishing the existing ambient noise levels in the area of the proposed project, or for verifying operational phase noise levels. Noise monitoring programs should be designed and conducted by trained specialists. The type of acoustic indices recorded depends on the type of noise being monitored, as established by a noise expert. Continuous monitoring of noise levels should be conducted to make sure the noise levels at the site does not exceed acceptable limits.

Impacts on terrestrial biodiversity Flora/ Vegetation

Mitigation Measures to be enforced: Flora

- ✓ The footprint of the area to be disturbed will be minimized as far as is practically possible.
- ✓ Remove unique fauna and sensitive fauna before commencing with the development activities and relocate to a less sensitive/disturbed site if possible.
- ✓ Disturbed areas must be kept to a minimum. Off-road driving should not be allowed and only existing tracks should be used.
- ✓ Remove unique fauna and sensitive fauna before commencing with the development activities and relocate to a less sensitive/disturbed site if possible.
- ✓ Recommend the planting of local indigenous species of flora as part of the landscaping as these species would require less maintenance than exotic species

- and have important ecological functions in terms of carbon sequestration from decomposing materials at the site.
- ✓ Disturbance of marginal vegetation in the mountains should be limited.
- ✓ Where it is clear that certain large species will be destroyed consideration should be given to offering to rescue the individuals involved and relocate them to nearby gardens.
- ✓ Transplant removed trees where possible, or plant new trees in lieu of those that have been removed.
- ✓ The protected and endemic species should be re-introduced in the area.

Mitigation Measures to be enforced: fauna

- ✓ Honour agreements set out in the site-access contracts, specifically relating to the areas utilized for professional hunting. Special consideration should be given to the sensitive hunting season if any.
- ✓ Barriers/barricades confining driving trucks must be erected to avoid stray driving and trampling on habitat. Proper demarcation of the exploration area.
- ✓ Avoid disturbance on invertebrate on-site and along the gravel road stretch.
- ✓ Avoid the creation of multiples roads strips, which could result in the disturbance of breeding sites for various mammals.
- ✓ A fauna survey will be conducted to determine the effect of fragmented habitat on game species should the need arise.
- ✓ Care will be taken to ensure that no litter is lying around as these may end up being ingested by wild animals
- ✓ No workers will be allowed to collect or snare, hunt or otherwise capture any wild animal.
- ✓ No domestic animals will be permitted on the exploration site by means of erecting a perimeter fence; small stock should graze at designated areas.
- ✓ Birds or Nest sites will not be disturbed by any employee, visitor or contractor.
- ✓ If possible, encountered bird kills and nest removal should be registered in a biodiversity data-base and information should be made available to the general public.
- ✓ There should be limited movement of heavy-duty machinery and exploration equipment in the area to avoid interference.

Methods for monitoring:

✓ Regular monitoring of any unusual signs of animal habitat.

Table 7. Shows the qualitative impact assessment for biodiversity related to the exploration activities and the impact of personnel on biodiversity.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	L	L	L	M	M
Mitigated	L	L	L	L	L	L

Alien invasive plants

Mitigation Measures to be enforced:

- ✓ The site manager will ensure that debris is properly disposed.
- ✓ Vehicle tyres inspections can be carried out although this may not be a practical mitigation measure.
- ✓ The proponent should implement an alien plants awareness campaign to educate and sensitize the employees and the local community on the menace of planting alien vegetation in the area.
- ✓ Eradicating alien plants by using an Area Management Plan.
- ✓ Prevent the introduction of potentially invasive alien ornamental plant species.
- ✓ The proponent should adopt and support the implementation of an annual alien plants clearing campaign.

Table 8. Shows the qualitative impact assessment of alien invasive.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	L	L	L	L	M	L
Mitigated	L	L	L	L	L	L

Methods for monitoring:

- ✓ Regular monitoring of any unusual signs of alien species.
- ✓ The proponent and local community should establish an alien plant task force to ensure that there is no planting of alien plants species in the area.

Land-use and land contamination

Table 9. Shows the qualitative impact assessment for land use related to the exploration activities.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	H-M	L	M	M	M
Mitigated	L	L	L	L	L	L

Actions/Mitigation measures:

- ✓ The footprint of the area to be disturbed will be minimized as far as is practically possible.
- ✓ Areas used as lay down areas are to be raked and/or ploughed to encourage revegetation
- ✓ Agree on relevant compensation with landowners where land used for hunting purposes are impacted.

Groundwater and surface water contamination Mitigation Measures to be enforced:

- ✓ Non-toxic and biodegradable drilling lubricant will be used
- ✓ No dumping of waste products of any kind in or in close proximity to surface water bodies and possible recharge areas for groundwater.
- ✓ Wastewater should not be discharged directly into the environment
- ✓ Waste water / contaminated water should be contained for proper disposal.
- ✓ Drip trays must be placed underneath vehicles when not in use to contain all oil that might be leaking from these vehicles.

- ✓ In all areas where there is storage of hazardous substances (i.e. hydrocarbons), there will be containment of spillages on impermeable floors and bund walls that can contain 110% of the volume of the hazardous substances.
- ✓ All refuelling and any maintenance of vehicles will take place on impermeable surfaces.
- ✓ Spill kits will be readily available on site. Employees and/or contractors will be trained to use the spill kits to enable containment and remediation of pollution incidents.
- ✓ Environmental awareness for contractor and employees to be included during inductions
- ✓ Avail a spill response action plan in case of accident and any spills will be contained and cleaned up immediately.
- ✓ Accessibility to spill prevention and response equipment, such equipment should be visible and accessible to all employees at any given time.
- ✓ Spills will be cleaned up immediately to the satisfaction of the Environmental Manager by removing the spillage together with the polluted soil and by disposing of them at a recognized facility as stipulated in the spill response action plan.
- ✓ Designated waste collection tanks should be available on-site and away from waterways, and such isolation should be maintained at all times.
- ✓ Storage of the hazardous substances in a bounded area,

Table 10. Shows the qualitative assessment of surface water and groundwater impacts:

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	L	M	L	L	Н
Mitigated	L	L	L	L	L	L

Fire and explosion hazard Mitigation Measures to be enforced

- ✓ Sufficient fire extinguishers will be installed on every exploration vehicle.
- ✓ A designated area needs to be identified as an assembly area where personnel meet in case of such incident. All employees, contractors and visitors should be made aware of this area through inductions conducted before entering the site.
- ✓ Exploration personnel will be trained on how to use fire extinguishers. A fire and explosive management policy and procedures document for the site should be drafted and review on

- a regular basis and every employee should know the content of this document so that they can act accordingly when a fire or an explosion breaks out.
- ✓ Refresher courses on the content of the fire and management policy and procedure document should be given on a regular basis to ensure that the employees aware and are competent in reacting to such incidents.
- ✓ Sufficient fire extinguishers with sufficient length of hosepipes will be made available on site for fire protection.

Table 11. Shows the qualitative assessment of fire and explosion hazard impacts:

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	L	L	L	L	L	L
Mitigated	L	L	L	L	L	L

Hazardous waste and materials management

Table 12. Shows the qualitative assessment of hazardous waste and materials impacts:

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	L	L	M	L	L
Mitigated	L	L	L	L	L	L

Mitigation Measures to be enforced

- ✓ All chemicals and other hazardous substances must be stored and maintained in accordance with the Hazardous Substances Ordinance (No. 14 of 1974), with all relevant licences and permits to be obtained where applicable.
- ✓ Given the potential harm to human health during handling and use of any of hazardous substances it is essential that all staff be trained with regards to the proper handling of these substances as well as First Aid in the case of spillage or intoxication.

- ✓ Storage areas for all substances should be bunded and capable to hold 120% of the total volume of a given substance stored on site.
- ✓ Job safety analysis to identify specific potential occupational hazards and industrial hygiene surveys, as appropriate, to monitor and verify chemical exposure levels, and compare with applicable occupational exposure standards.
- ✓ Hazard communication and training programs to prepare workers to recognize and respond to workplace chemical hazards. Programs should include aspects of hazard identification, safe operating and materials handling procedures, safe work practices, basic emergency procedures, and special hazards unique to their jobs Training should incorporate information from Material Safety Data Sheets for hazardous materials being handled. MSDSs should be readily accessible to employees in their local language.
- ✓ Provision of suitable personal protection equipment (PPE) (footwear, masks, protective clothing and goggles in appropriate areas), emergency eyewash and shower stations, ventilation systems, and sanitary facilities.
- ✓ Monitoring and record-keeping activities, including audit procedures designed to verify and record the effectiveness of prevention and control of exposure to occupational hazards, and maintaining accident and incident investigation reports on file for a period of at least five years.

Solid waste management

Mitigation Measures to be enforced:

- ✓ Waste generated will be handled in accordance with the contract signed with the landowner. This shall include: waste should be separated and recycled / re-used where possible. Where waste management procedures do not exist, a procedure should be developed.
- ✓ Suitable receptacles for waste disposal will be provided at appropriate locations on site. These receptacles will be clearly marked for different waste types.
- ✓ Mandatory waste segregated right at the source of waste generation. The collection of segregated waste would be made from the site and amenity areas.
- ✓ Employees and contractors will be shown the importance of correct waste disposal as well as waste minimization and recycling.
- ✓ Place priority on waste reduction, waste reuse and waste recycling, in that order.
- ✓ Sufficient waste storage bins on site and regular emptying of the waste storage bins.

- ✓ Strictly, no burning of waste on the site or at the disposal site, as it possesses environmental and public health impacts.
- ✓ The collected solid waste should be disposed at registered and approved disposal site agreed upon by both Municipality and the proponent.

Table 13. Shows the qualitative assessment impacts from waste management

Mitigation	Severity	Duration	Spatial	Consequence	Probability of	Significance
			Scale		Occurrence	
Unmitigated	L	Н	L	M	M	L
Mitigated	L	L	L	L	L	L

Heritage Impacts

Mitigation Measures to be enforced

Adhere to practical guidelines provided by an archeologist on site to reduce archaeological impacts.

- ✓ The site location where archaeological features might be found should be d marked with flag tape and the GPS coordinates should be recorded.
- ✓ Notices/ information boards information will be placed on site.
- ✓ Training employees regarding the protection of these sites.
- ✓ Obtain appropriate clearance or approval from the competent authority.
- ✓ In the event of such finds, all activities must stop, and the project management or contractors should notify the National Heritage Council of Namibia immediately.

Monitoring

✓ An archaeologist will inspect any identified archaeological sites before project commencement.

Table 13: Impact evaluation for heritage impact.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	L	M	L	M	L	M
Mitigated	L	L	L	L	L	L

Visual impacts

Mitigation Measures to be enforced

- ✓ The access road to exploration sites must be established in consultation with the headman and usage of existing roads shall be enforced.
- ✓ The design, construction, and location of access to main roads will be in accordance with the requirements laid down by the controlling authority.
- ✓ Negative visual effects can further be prevented through mitigations (i.e. keep existing trees, introduce tall indigenous trees).
- ✓ When exploration activities cease, restore the visual sense of the area to its natural state for instance all excavations, pits are to be backfilled and drillings holes to be capped when no longer in use
- ✓ Care must be taken to ensure that all rehabilitated areas are similar to the immediate environment in terms of visual character, vegetation cover and topography and any negative visual impacts will be rectified to the satisfaction of the environmental consultant.
- ✓ Minimize disturbance to topsoil.
- ✓ Overburden will be placed back into excavation as part of the rehabilitation programme.
- ✓ Restrict off road vehicles and equipment to designated areas.
- ✓ Maintain the small shrubs found on the site and only remove vegetation that has an impact on the development.

- ✓ Land markings, vehicle tracks, and excavations shall be restored to the original landform and, visual state as much as possible.
- ✓ In the case of dual or multiple uses of access roads by other users, arrangements for multiple responsibilities must be made with the other users. If not, the maintenance of access roads will be the responsibility of the holder of the exclusive prospecting licence (EPL).

Table 14. Impact evaluation for visual impacts.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	M	L	M	L	M
Mitigated	L	L	L	L	L	L

Health, safety and security Mitigation Measures to be enforced:

- ✓ All vehicular equipment operators must have valid licences for that particular vehicle class.
- ✓ Ensure that all exploration personnel are properly trained depending on the nature of their work.
- ✓ Provide for a first aid kit and a properly trained person to apply first aid when necessary.
- ✓ A wellness program should be initiated to raise awareness on health issues, especially the impact of sexually transmitted diseases as described above.
- ✓ Emergency medical treatment should be available on site. Provide for a first aid kit and a properly trained person to apply first aid when necessary.
- ✓ A wellness program should be initiated to raise awareness on health issues, especially the impact of sexually transmitted diseases, Covid 19, hepatitis etc. Encourage HIV counseling and testing and facilitate access to Antiretroviral (ARV) medication.
- ✓ Prevent diseases spread by biological agents by providing proper toilets and cleaning up facilities, proper waste removal, running water and detergent on site.
- ✓ Clearly demarcate the exploration (area of current activities e.g. drilling site) site boundaries along with signage of "no unauthorized access".

- ✓ Clearly demarcate dangerous areas and no-go areas on site.
- ✓ Staff and visitors to the exploration site must be fully aware of all health and safety measures and emergency procedures.
- The contractor must comply with all applicable occupational health and safety requirements.
- ✓ The workforce should be provided with all necessary Personal Protective Equipment where appropriate.
- ✓ The contractor must comply with all applicable occupational health and safety requirements.
- ✓ Implement the use of alcohol detectors.

Methods for monitoring:

- ✓ The proponent whenever necessary will hold public meetings.
- ✓ Regular meeting with the Interested and affected parties, where they can air their concerns should be done four times in a year.
- ✓ The outcome of these meeting should be recorded in a form of a report and the proponent needs to address the issues raised in this meeting.

Table 15: Impact evaluation for health, safety and security.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	L	L	L	M	L
Mitigated	L	L	L	L	L	L

Socio-economic impacts

Positive Impacts

Employment Creation Enhancement measures:

✓ The proponent will introduce training programs (bursary schemes, on the job training etc) in order to boost the supply of local skills

- ✓ It is proposed that local people community members within the area especially the farm owners that are within EPL 8759 and surrounding areas should be considered first for employement. Especially where no specific skills are required.
- ✓ Gender equality considerations during recruitment process.
- ✓ Employment preference will be afforded to previously disadvantaged Namibians.

Generation of revenue

According to the law of Namibia, operating companies are to pay taxes. The proponent will pay tax to the government upon successful exploration activities; hence, this will benefit the nation at large given that money generated from taxes is diverted to the public by the government.

Enhancement measures:

✓ Continuous payment of taxes due as regulated in the Namibian laws.

Negative Impacts Socio-economic concerns

- ✓ As the movement of staff and contractors to and from the area increases, the risk of spread of HIV/AIDS and other STDs increases;
- ✓ Increased influx of jobseekers to the area as people come in search of job opportunities during the operational phase of the project. This could lead to potential increase in the unemployed people in the area and the establishment/growth in informal settlements, which could exacerbate security issues due to increased crime rates.
- ✓ Impacts on the size and structure of the population. Increased informal settlement and associated problems;
- ✓ Negative impact on the health and safety of the surrounding community and workers
- ✓ Impact from loss of grazing for domestic livestock in "exclusive use zone"
- ✓ Impacts on cultural and spiritual values.
- ✓ Demographic factors: Attraction of additional population that cannot benefit from the project.
- ✓ Perception of Health and Safety risks associated with exploration.

Mitigation Measures to be enforced:

- ✓ The population change can be mitigated by employing people from the local community and encouraging the contractors to employ local individuals.
- ✓ Safeguard against the development of illegal settlements around the project area.
- ✓ The perception of risks will be mitigated by putting up safety signs wherever possible and ensuring that all employees and visitors to the site undergo a safety induction course.

Methods for monitoring:

✓ The proponent whenever necessary will hold public meetings.

Table 16. Shows the qualitative socio economic impacts.

Mitigation	Severity	Duration	Spatial Scale	Consequence	Probability of Occurrence	Significance
Unmitigated	M	L	M	M	M	M
Mitigated	M	L	M	M	L	L

Actions/Mitigation measures:

- ✓ Honor agreements set out in the site-access contracts
- ✓ Consult and provide feedback regarding activities on the individual properties
- ✓ Provide contact details to a designated person, who will serve as liaison between landowners and the exploration teams
- ✓ Ensure gates are closed after entry and exit.
- ✓ Provide appropriate toilet facilities for the exploration workers on the site or agree with landowner to use certain facilities on the farm.

Municipal Service Impacts

Proposed exploration project will require provision of the following services:

- ✓ Potable water for domestic purposes
- ✓ Temporary toilets
- ✓ Solid waste management
- ✓ Bulk water and power supply

Compliance and Performance Monitoring, Reporting and corrective actions for the EMP

Monitoring of EMP

Monitoring of the EMP performance for the proposed project by the Contractor emphasizes early detection, reporting, and corrective action. It is divided into three parts, namely:

- ✓ Monitoring of project activities and actions to be undertaken by the Environmental Coordinator (ENC) appointed by the Contractor.
- ✓ The Environmental Coordinator (ENC) shall report all incidents and situations which have the potential of jeopardizing compliance of statutory provisions as well as provisions of this EMP to the Project Proponent.
- ✓ The Environmental Coordinator (ENC) shall take corrective prompt measures, adequate and long-lasting in addressing non-compliance activities or behavior.
- ✓ To ensure compliance of the Contractor ENC to the implementation of the EMP, it is highly recommended that an External Environmental Expert be appointed by the proponent to ensure the implementation of the EMP.
- ✓ The proponent is compelled by the Environmental Management Act of 2007 to submit environmental monitoring reports every 6 months to the DEAF

Inspections and Audits

During the life of the project, performance against the EMP commitments will need to be monitored and corrective action taken where necessary, in order to ensure compliance with the EMP and relevant environ-legal requirements.

Internal Inspections/Audits

The following internal compliance monitoring programme will be implemented:

Project kick-off and close-out audits will be conducted on all contractors. This applies to all phases during exploration. The following inspections will be carried out:

- ✓ Before a contractor begin any work, the applicable phase site manager to ensure that the EMP commitments are included in Contractors' standard operating procedures (SOPs) and method statements will conduct an audit.
- ✓ Following completion of a Contractors work, a final close-out audit of the contractor's performance against the EMP commitments will be conducted by the applicable phase site manager.
 - 1. Monthly internal EMP performance audits will be conducted during the construction/initial and decommissioning phases.
 - 2. Ad hoc internal inspections can be implemented by the applicable manager at his/her discretion, or in follow-up to recommendations from previous inspection/audit findings.

External Audits

- ✓ At the end of each project phase, and annually during the exploration phase, an independently conducted audit of EMP performance will be conducted.
- ✓ Specialist monitoring/auditing may be required where specialist expertise are required or in order to respond to grievances or authorities directives.
- ✓ Officials from the DEA may at any time conduct a compliance and/or performance inspection of exploration activities. The proponent will be provided with a written report of the findings of the inspection. These audits assist with the continual improvement of the exploration project and the proponent will use such feedback to help improve its overall operations.

Documentation

Records of all inspections/audits and monitoring reports will be kept in line with legislation. Recommendations on corrective actions will be issued on inspection/audit findings. These will be tracked and closed out upon execution.

Reporting requirements

Environmental compliance reports will be submitted to the Ministry of Environment, Forestry and Tourism on a bi-annual basis.

Environmental management system framework

Environmental Management System (EMS) will be established and implemented by the proponent and their Contractors. This subchapter establishes the framework for the compilation of a project EMS. The applicable manager will maintain a paper based and/or electronic system of all environmental management documentation. These will be divided into policy and performance standards & Enviro legal documentation.

Policy and Performance Standards

A draft environmental policy and associated objective, goals and commitments has been included in the EMP. The project proponent may adapt these as necessary.

Enviro-Legal Documentation

A copy of the approved environmental assessment and EMP documentation will always be available by the proponent. Copies of the Environment Clearance Certificate and all other associated authorizations and permits will also be kept with the exploration team. In addition, a register of the legislation and regulations applicable to the project will be maintained and updated as necessary.

Impact aspect register

A register of all project aspects that could impact the environment, including an assessment of these impacts and relevant management measures, is to be maintained. This Draft EMP identifies the foreseeable project aspects and related potential impacts of the proposed project, and as such forms the basis for the Aspect Impact Register; with the Project Activity. It should however be noted that during the life of the project additional project aspects and related impacts may arise which would need to be captured in the Aspect-Impact Register.

Procedures and Method Statements

In order to affect the commitments contained in this EMP, procedures and method statements will be drafted by the relevant responsible exploration staff and Contractors. These include, but may not be limited:

- ✓ Standard operating procedures for environmental action plan and management programme execution.
- ✓ Incident and emergency response procedures.
- ✓ Auditing, monitoring and reporting procedures, and
- ✓ Method statements for EMP compliance for ad hoc activities not directly addressed in the EMP action plans.

All procedures are to be version controlled and signed off by the applicable manager. In addition, knowledge of procedures by relevant staff responsible for the execution thereof must be demonstrable and training records maintained.

Register of roles and responsibilities

During project planning and risk assessments, relevant roles and responsibilities will be determined. These must be documented in a register of all environmental commitment roles and responsibilities. The register is to include relevant contact details and must be updated as required.

Environmental management schedule

A schedule of environmental management actions is to be maintained by the applicable phase site managers and/or relevant Contractors. A master schedule of all such activities is to be kept up to date by the manager. Scheduled environmental actions can include, but are not limited to:

- ✓ Environmental risk assessment;
- ✓ Environmental management meetings;
- ✓ Soil handling, management and rehabilitation;

- ✓ Waste collection;
- ✓ Incident and emergency response equipment evaluations and maintenance
- ✓ Environmental training;
- ✓ Stakeholder engagement;
- ✓ Environmental inspections and
- ✓ Auditing, monitoring and reporting

Change Management

The environmental management schedule must have a procedure in place for change management. In this regard, updating and revision of environmental documentation, of procedures and method statements, actions plans etc. will be conducted as necessary in order to account for the following scenarios:

- ✓ Changes to standard operating procedures (SOPs);
- ✓ Changes in scope;
- ✓ Ad hoc actions;
- ✓ Changes in project phase; and
- ✓ Changes in responsibilities or roles
- ✓ Changes in project personnel

All documentation will be version controlled and require sign off by the applicable phase site managers.

Environmental code of conduct

The Code of Conduct outlined in this section of the EMP applies to, sub-contractors, visitors, permanent and temporal workers. Therefore, anybody within the boundaries of the project site must adhere to the Environmental Code of Conduct as outlined in this section of the EMP. The Environmental Coordinator ENC will implement on-site environmental guidelines and has the authority to issue warnings as well as discipline any person who transgresses environmental rules and procedures. Persistent transgression of environmental rules will result in a disciplinary

hearing and thereafter continued noncompliance behavior will result in permanent removal from the construction sites.

Site closure and rehabilitation

Rehabilitation is the process of repairing the damage done by exploration activities. Rehabilitation plan has been developed with a main aim of returning disturbed environment close to its pre exploration state. It is also planned to cater for the access road, vehicle tracks around the site, vegetation removal, abandoned exploration drill holes, and restoration of areas covered by sampling stockpile and rock piles. The closure vision for the proposed project is to establish a safe, stable and non-polluting post- prospecting landscape that can facilitate integrated, self-sustaining and value generating opportunities, thereby leave a lasting positive legacy.

Site closure and rehabilitation activities

All waste (such as hazardous and domestic) waste will be transported offsite for disposal in licensed landfills in Spitzkoppe or surrounding towns. Disturbed or/and contaminated areas will be cleaned up, treated where necessary and restored to its pristine state.

- ✓ Demolition of camping structures.
- ✓ Removing of equipment on site.
- ✓ Removal of associated infrastructures such as storage tanks, solar panels and heavy-duty generators.
- ✓ Where access tracks have been developed in cases where there are no roads, these will be rehabilitated and closed as part of normal closure actions in consultation with landowners.
- ✓ Existing secondary roads in the area should be used to prevent damages of the main road.
- ✓ The recovered topsoil and subsoil should be utilized to reconstruct the original soil profile

The rehabilitation actions intended to be undertaken at the end of the life of the proposed exploration activities are described below.

Remediation of Contaminated Areas

All soil, contaminated with hydrocarbons, will be identified, excavated and disposed in accordance with nearest town council disposal requirements at appropriate sites.

- ✓ Removed soils will be managed as determined by the nature and extent of the contamination.
- ✓ All equipment in which chemicals have been stored or transported will be cleaned and disposed of in a suitable disposal facility.

Waste Management

Waste management activities will include:

- ✓ Hazardous waste will be managed handled, classified and disposed.
- ✓ No burring and burying of waste.
- ✓ Nonhazardous substances will be disposed in the nearby landfill sites.
- ✓ It may be necessary to fence temporary salvage yards for security reasons, particularly where these are located close to public roads.

Conclusion

The proponent intends to carryout exploration activities on EPL 8759 for base and rare metals, dimension stone, industrial minerals and precious metals. The proposed exploration activities include desktop studies, geophysical surveys, geochemical survey, geological mapping, trenching, drilling and geochemical sampling as well as laboratory analysis aimed discovering mineral resources of economic interest. Potential positive and negative impacts of the proposed exploration activities on the EPL 8759 were identified, assessed, and mitigation measures are provided in the EMP. These mitigation measures and recommendations provided are deemed sufficient to minimize the identified impacts to acceptable levels. This is to ensure that all potential impacts identified in this study and other impacts that might arise during the exploration activities are properly addressed on time.

The Environmental Management Plan should be used as an on-site reference document during all phases of the proposed project, and auditing should take place in order to ensure compliance with the EMP of the proposed

project. Parties responsible for transgression of the EMP should be held responsible for any rehabilitation that may need to be undertaken. Overall, the severity of potential environmental impacts of the proposed project activities on the receiving environment (physical, biological, socioeconomic environments and ecosystem functions) will have low probability of occurrence, localized extent, and low magnitude and temporally duration. This report should be viewed as a framework for integrating mitigation measures and applicable legal tools to ensure both compliance and sustainability. It is therefore very important that the proponent provides adequate support for human and financial resources, for the implementation of the proposed mitigations and effective environmental management during the planned exploration activities.

RECOMMENDATIONS

It is therefore recommended that the mineral exploration activities on the project site be granted an Environmental Clearance Certificate, provided that: All mitigations provided in this EMP should are implemented as stipulated and where required and emphasized, improvement should be effectively put in place. The Proponent and all their workers comply with the legal requirements governing this type of project and its associated activities.

In a summary the following are to be observed to:

- ✓ The proponent should take all the necessary actions to implement the EMP to minimize adverse impacts on the environment.
- ✓ The proponent is to observe all the provisions of the EMP and all conditions of the access agreement to be entered between the proponent and the landowners.
- ✓ The proponent to give advance notices and obtain permission to have access to private property such as private farms from the landowners.
- ✓ The exploration activities should be conducted in line with the EMP, thus implementing the necessary mitigation measures, monitoring and stipulated rehabilitation measures.
- ✓ In a case where portable water is discovered during boreholes drilling operations, the proponent shall support other land users in the area in terms of access to freshwater supply for both human consumption, wildlife and agricultural support as may be requested by the local community / landowners/s. Relevant underground water abstraction permit/s be obtained from the Ministry of Agriculture, Water and Land Reform (MAWLR) and abstraction and monitoring conditions thereof be observed.

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