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REPORT:

SCOPING REPORT WITH IMPACT ASSESSMENT FOR EXPLORATION ACTIVITIES ON EPL 8792, ERONGO REGION, NAMIBIA

PROJECT NUMBER: ECC-79-421-REP-05-D

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¹ J.Bezuidenhout is seconded to Elevate for in country company management duties.



EXECUTIVE SUMMARY

Marenica Ventures (Pty) Ltd (hereafter referred to as "The Proponent") intends to carry out exploration activities on EPL 8792 for nuclear fuels in the Erongo Region. The EPL is located east of Henties Bay in the Erongo Region. The EPL is located along the D1918 between Usakos and Henties Bay in the =/=Gaingu Conservancy.

The proposed Project triggers listed activities in terms of the Environmental Management Act, No. 7 of 2007 and its regulations, No. 30 of 2012. Therefore, an environmental clearance certificate is required. As part of the environmental clearance certificate application, a Scoping report with Environmental Impact Assessment EIA has been undertaken to meet the requirements of the Environmental Management Act, No.7 of 2007. This Scoping report with assessment and the preliminary Environmental Management Plan (EMP) will be submitted to the competent authority as part of the application process for the environmental clearance certificate. The proposed activities within EPL 8792 include low-impact exploration such as geochemical surveys, geophysical surveys and drilling. If new tracks are required, they will be developed by hand or 4x4 vehicles, terrain-dependent.

The exploration activities will commence when the environmental clearance certificate is granted, and expected to continue for at least 3 years. A renewal application maybe required to extend the activities for the duration of the exploration licence.

The geology over which the EPL falls mainly consists of the Swakop group (Damara supergroup and Gariep complex). The main rock type is metamorphic sedimentary rocks such as schists and dolomites. The EPL is mainly covered with petric Gypsisols. Pedtric meaning soils with a solid layer at a shallow depth that remains hard even when wet and Gypsisols meaning soils with an accumulation of calcium sulphates which is often restricted to areas that are very dry, such as in the central Namibia.

The groundwater vulnerability in this area is considered to be very low vulnerability and groundwater recharge within this area is considered to be very low. Groundwater in this area is generally of poor quality not suitable for human consumption. The dominant vegetation structure for the EPL is Namib grassland, the vegetation type is Central desert and the EPL falls within desert biome the dominated by lichens and Psilicoulon salicornioides.

The following table summarises the outcomes of the impact assessment of the key aspects and the potentially significant impacts that could arise from the exploration activities. The significance rating is provided after the mitigations have been considered.



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Aspect	Potential impact	Significance with mitigation
	Hydrocarbon leaks and spills could enter	Low (2)
Water (surface - and	the aquifer causing contamination	
groundwater);	Waste items and litter can pollute	Low (1)
	drainage channels	
	Pollution of soil from hydrocarbons	Low (1)
	Increased exposure due to possible	Low (1)
Soil	vegetation clearance can cause soil	
501	erosion	
	Loss of soil quality due to the mixing of	Low (1)
	earth matter, trampling and compaction	
Terrestrial ecology and	Resident, slow-moving and nesting	Low (1)
biodiversity	organisms may be disturbed by excessive	
	noise or vibration	
	Loss/alteration of terrestrial habitats and	Low (1)
	loss of species	
	Residing and nesting organisms such as	Low (1)
	reptiles can be disturbed, injured or killed.	
	Conflict with farm owners about access,	Low (1)
	leaving gates open, suspicious	
Socio-economics	movements, loss of farming area, etc.	
(employment, demography,	Presence of exploration team could be	Low (1)
land-use)	blamed for stock theft and poaching.	
	Promotes job creation, skills	Low
	development, and opportunities for the	(Beneficial)
	local economy.	
	Visual disturbance and loss of Sense of	Minor (4)
	Place.	
Noise & vibrations	Perceived noise impact from surveying	Low (1)
	activities on wild animals, livestock and	
	humans due to low flying airplanes	
Heritage (culture, history,	Potential damage to cultural heritage	Minor (4)
archaeology, palaeontology) sites.		

Impacts with respect to airborne dust are expected to be limited to vehicular traffic and drilling activities. There will be some release of exhaust fumes from machinery that will impact the immediate vicinity but this will be of short duration. Noise impacts include those associated with drilling and other machine noise, which could be a disturbance to immediate neighbours, but this will be short in duration as well. The analysis of the impacts and the identification of mitigation and management methods, concludes that the likely significance of effects on humans from the cumulative impacts of physical disturbance, noise, dust and emissions is expected to be minor with a temporary qualitative reduction in the sense of place.



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It was determined that the impacts from noise are considered to be of minor significance. However with additional mitigation, the significance can be reduced to low. A major mitigation measure for the exploration activities will be that all activities will be undertaken during daylight hours.

Continual engagement with the committee of the Conservancy must be undertaken by the Proponent to identify any concerns or issues, and additional appropriate mitigation and management measures must be agreed upon and implemented.

The overall potential impact of this proposed Project is not considered significant as it does not exceed recognised levels of acceptable change, nor will it threaten the integrity of the receptors. The assessment is considered to be comprehensive and sufficiently identifies the potential impacts, and it is concluded that no further assessment will be required. The preliminary EMP provides the necessary mitigations and management measures required to reduce potential impacts to acceptable levels.



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TERMS AND ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION	
Abundant	Indicates a high occurrence or abundance	
AIDS	Acquired immunodeficiency syndrome	
AMT	Audio MagnetoTelluric	
ASX	Australian Securities Exchange	
BID	Background Information Document	
CIA	Cumulative Impact Assessment	
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora	
Common	Indicates a high occurrence or abundance	
DEA/MEFT	Directorate of Environmental Affairs and Ministry of Environment Forestry and Tourism	
E	East	
EC	Environmental Commissioner	
ECC	Environmental Compliance Consultancy	
EIA	Environmental Impact Assessment	
EM	Electromagnetic	
EMA	Environmental Management Act, No.7 of 2007	
EMP	environmental management plan	
endemic	Species that are native and restricted to a particular geographic region	
ENE	east - northeast	
EPL	Exclusive Prospecting Licence	
ESE	east - southeast	
ESIA	Environmental and Social Impact Assessment	
GDP	Gross Domestic Produce	
GG	Government Gazette	
GIS	Geographic Information System	
HIV	human immunodeficiency virus	
I&APs	Interested and Affected Parties	
IFC	International Finance Corporation	
IUCN	International Union for Conservation of Nature	
Km/h	Kilometres per hour is a measurement of speed, expressing the number of kilometres that can be travelled in one hour.	
Km ²	A square kilometre (sometimes written km ²) is based on the SI unit of measurement of area, the square meter. It is the area inside a square that has each side equal to 1 kilometre (1000 meters)	
low	A low level of diversity of abundance	
m	Abbreviation for meter, used to indicate height or length in metric meters	
MAWLR	Ministry of Agriculture, Water and Land Reform	
MEFT	Ministry of Environment, Forestry and Tourism	
MHSS	Ministry of Health and Social Services	



Scoping report with impact assessment for exploration activities

on EPL 8792, Erongo Region, Namibia

ABBREVIATIONS	DESCRIPTION	
mm	Millimetre	
MME	Ministry of Mines and Energy	
moderate	Indicates a moderate level of diversity or abundance	
NDP	National Development Plan	
NPC	National Planning Commission	
NSA	National Statistics Agency	
Occasional	Indicates sporadic occurrence or abundance	
Quadrant	A quarter degree of latitude and longtitude, used for mapping and	
	surveying purposes	
RAB	Rotary Air Blast	
rare	Indicates a low occurrence or abundance	
RC	Reverse Circulation	
RH	Relative Humidity	
spp	Abbreviation for species, used to refer to multiple species within a	
	genus or group	
SW	southwest	
SSW	south -southwest	
ТВ	tuberculosis	
U-pgrade™	Uranium concentration process developed by Elevate Uranium	
Uncommon	Indicates a relatively low occurrence or abundance	
var	Abbreviation indicates variety, used in botanical nomenclature to	
	indicate a subspecies or variety of a plant species	
veld	Refers to open grasslands or savannahs in Southern Africa	
WHO	World Health Organisation	



1 INTRODUCTION

1.1 COMPANY BACKGROUND

Environmental Compliance Consultancy (ECC) has been retained by Elevate Uranium (Pty) Ltd (hereafter referred to as "The Proponent") to conduct an environmental and social impact assessment (ESIA) for the exploration of rare and base, precious metal and industrial minerals in terms of the Environmental Management Act No. 7 of 2007 and its regulations of 2012. An environmental clearance certificate application will be submitted to the competent authority and the Ministry of Environment, Forestry and Tourism (MEFT) for a record of decision.

Elevate Uranium Limited is an Australian Securities Exchange (ASX) Listed company. Elevate Uranium developed a uranium concentration process (*U-pgrade***TM**) that is unique and groundbreaking, lowering the extraction cost of uranium and significantly reducing potential environmental effects associated with the reduced mass of ore to be leached. This *U-pgrade***TM** process can be applied to surficial uranium deposits of which Elevate Uranium is exploring. Elevate Uranium is seeking to explore further uranium mining opportunities as the company undertakes exploration activities for Nuclear Fuel Minerals in the Erongo Region.

Marenica Ventures (Pty) Ltd (Marenica Ventures) is a wholly owned subsidiary of Elevate Uranium Limited (Elevate Uranium). Marenica Ventures holds Exclusive Prospecting Licence for the proposed 'Marenica West' project (referred to as "the Project" herein). The project is located within exclusive prospecting licence EPL 8792 and the proponent proposes to undertake mineral exploration activities specifically for nuclear fuels. The EPL is located about 40km east of Henties Bay in the =/=Gaingu Conservancy in the Erongo Region. The EPL can be accessed via the D1918 between Usakos and Henties Bay in the.

The proposed Project area is shown in Figure 1.



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Figure 1 - Locality map of EPL 8792, Erongo Region



1.2 PURPOSE OF THE SCOPING REPORT

An environmental and social impact assessment (ESIA) has commenced in terms of the requirements of the Environmental Management Act, No.7 of 2007 (EMA 2007) and its regulations. The purpose of this report is to present the findings of the scoping study phase that forms part of the larger ESIA process.

The scoping report summarises the prescribed ESIA process followed; provides information on the baseline biophysical and socioeconomic environments; project description details; outlines the terms of reference for the assessment phase and prepares a preliminary environmental management plan (EMP).

ECC's terms of reference for the assessment are strictly to address potential impacts, whether positive or negative and their relative significance, explore alternatives for technical recommendations and identify appropriate mitigation measures.

This report provides information to the public and stakeholders to aid in the decision-making process for the proposed Project. The objectives are to:

- Describe the proposed activity and the site on which the activity is to be undertaken, and the location of the activity on the site;
- Describe the environment that may be affected by the activity;
- Identify the laws and guidelines that have been considered in the assessment and preparation of this report;
- Provide details of the public consultation process;
- Describe the need and desirability of the activity;
- Provide a high-level environmental and social impact assessment on feasible alternatives that were considered; and
- Report the assessment findings, identifying the significance of effects, including cumulative effects, and effective and feasible mitigation measures.

In addition to the environmental assessment, a preliminary EMP (Appendix A) is also required in terms of the Environmental Management Act, No. 7 of 2007. A preliminary EMP (herein referred to as EMP) has been developed to provide a management framework for the planning and implementation of exploration activities. The EMP provides exploration standards and arrangements to ensure that the potential environmental and social impacts are mitigated, prevented and/or minimised as far as reasonably practicable, and that statutory requirements and other legal obligations are fulfilled.



1.3 **PROPONENT DETAILS**

Table 1 - Proponent's details

Contact Person	Contact Details
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1.4 Environmental Compliance Consultancy

The report has been prepared by Environmental Compliance Consultancy Pty Ltd (ECC) (Reg. No. 2022/0593) on behalf of the Proponent. Authored by ECC employees with no material interest in the report's outcome, ECC maintains independence from the Proponent and has no financial interest in the Project apart from fair remuneration for professional fees. Payment of fees is not contingent on the report's results or any government decision. ECC members or employees are not, and do not intend to be, employed by the Proponent, nor do they hold any shareholding in the Project. Personal views expressed by the writer may not reflect ECC or its client's views. The environmental report's information is based on the best available data and professional judgment at the time of writing. However, please note that environmental conditions can change rapidly, and the accuracy, completeness, or currency of the information cannot be guaranteed. All compliance and regulatory requirements regarding this ESIA report should be forwarded by email or posted to the following address²:

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² J.Bezuidenhout is seconded to Elevate for in country company management duties.



1.5 Environmental legal requirements

The Environmental Management Act, No.7 of 2007 stipulates that an environmental clearance certificate is required to undertake listed activities in terms of the Act and its regulations. Listed activities triggered by the Project in terms of the Environmental Management Act, No. 7 of 2007 and its regulations are listed in Table 2:

Table 2 - Listed activities triggered by the project.

LISTED ACTIVITY	AS DEFINED BY THE ACT	RELEVANCE TO THE PROJECT
Mining and quarrying	(3.1) The construction of facilities for any process or activities	- Minerals (soil and sand), and nuclear fuel minerals will be
activities	that require a license, right, or other forms of authorization,	sourced within the project's footprint.
	and the renewal of a license, right, or other forms of	- The proponent will also undertake geochemical surveys,
	authorization, in terms of the Minerals (Prospecting and	geophysical surveys, and RC drilling
	Mining Act), 1992.	
	(3.2) Other forms of mining or extraction of any natural	
	resources whether regulated by law or not.	
	(3.3) Resource extraction, manipulation, conservation, and	
	related activities.	
Waste management,	(2.1) The construction of facilities for waste sites, treatment of	- Waste generated which will mainly consist of solid waste
treatment, handling	waste and disposal of waste.	and general waste during the exploration phase will be
and disposal activities		removed by a skip and disposed of at the nearest landfill
	(2.3) The import, processing, use and recycling, temporary	site. Waste will be recycled, to the extent possible.
	storage, transit or export of waste.	- A portable toilet, a long drop hole for a toilet or chemical
		toilets will be used during exploration activities by the
		drill crew.



LISTED ACTIVITY	AS DEFINED BY THE ACT	RELEVANCE TO THE PROJECT
Forestry activities	(4.) The clearance of forest areas, deforestation, afforestation,	- Limited vegetation clearing may be required for tracks
	timber harvesting or any other related activity that requires	and survey access creation, and possibly for the set-up of
	authorisation in terms of the Forest Act, 2001 (Act No. 12 of	survey and drilling teams' field camps. Felling of large
	2001) or any other law.	trees will be avoided. Any clearing of vegetation will
		require a permit from the Ministry of Environment,
		Forestry and Tourism (MEFT)
Water resource	(8.1) The abstraction of ground or surface water for industrial	- For the drilling of exploration boreholes, ground water
developments	or commercial purposes.	may need to be abstracted, or water will be sourced.
Hazardous substance	(9.2) Any process or activity that requires a permit, license, or	- Portable toilets, long drop holes for toilets, or chemical
treatment, handling	another form of authorisation, or the modification of or	toilets will be used during the exploration activities.
and storage	changes to existing facilities for any process or activity which	
	requires amendment of an existing permit, license or	
	authorisation or that requires a new permit, license or	
	authorisation in terms of a governing the generation or	
	release of emissions, pollution, effluent or waste.	



2 APPROACH TO THE ASSESSMENT

2.1 PURPOSE AND SCOPE OF THE ASSESSMENT

This assessment aims to determine which impacts are likely to be significant; to scope the available data and identify any gaps that need to be filled; to determine the spatial and temporal scope and to identify the assessment methodology.

The scope of the assessment was determined by undertaking a preliminary assessment of the proposed Project against the receiving environment, obtained through a desktop review and available site-specific literature.

2.2 THE ASSESSMENT PROCESS

The ESIA methodology applied to this assessment has been developed using the International Finance Corporation (IFC) standards and models, in particular, Performance Standard 1, 'Assessment and management of environmental and social risks and impacts' (International Finance Corporation, 2017) (International Finance Corporation, 2012), which establishes the importance of:

- Integrated assessment to identify the environmental and social impacts, risks, and opportunities of Projects;
- Effective community engagement through disclosure of Project -related information and consultation with local communities on matters that directly affect them and
- The client's management of environmental and social performance throughout the life of the Project

Furthermore, the Namibian Draft Procedures and Guidance for ESIA and EMP (Republic of Namibia, 2008) as well as the international and national best practice; and over 25 years of combined EIA experience, were also drawn upon in the assessment process. This impact assessment is a formal process in which the potential effects of the Project on the biophysical, social, and economic environments are identified, assessed, and reported so that the significance of potential impacts can be considered when considering whether to grant approval, consent or support for the proposed Project.



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Figure 2 - ESIA Process



2.3 SCREENING OF THE PROJECT

The first stages in the ESIA process are to register the Project with the DEA/ MEFT (completed) and undertake a screening exercise to determine whether it is considered a listed activity under the Environmental Management Act, No. 7 of 2007 and associated regulations and if significant impacts may arise from the Project. The location, scale, and duration of Project activities will be considered against the receiving environment.

The proposed Project is a listed activity and potential impacts could occur. Thus, it was concluded that a scoping report with impact assessment would suffice for the exploration project and that a preliminary EMP would be submitted with scoping report.

2.4 SCOPING AND THE ENVIRONMENTAL ASSESSMENT

Where detailed assessment is required, the second stage is to scope the assessment. The main aims of this stage are to determine which impacts are likely to be significant; scope the available data and any gaps which need to be filled; determine the spatial and temporal scope and identify the assessment methodology.

The scoping phase of the Project is a preliminary analysis to determine ways in which the Project interacts with the biophysical, social, and economic environment. Potential impacts are identified, and the significance is assessed during the screening and scoping phase. The details and outcome of the impact assessment are discussed in sections 6 and 7 of this Report. Feedback from consultation with the proponent and stakeholders also informs the analysis of the impacts. The following environmental and social aspects were considered in impact assessment process:

SOCIO-ECONOMIC ENVIRONMENT

- Procurement of goods and services within the local economy.

BIOPHYSICAL ENVIRONMENT

- Dust emissions
- Soil and geology
- Terrestrial ecology
- Terrestrial biodiversity (including fauna and flora)

2.5 BASELINE STUDIES

Baseline studies are undertaken as part of the scoping stage, which involves collecting all pertinent information from the current status of the receiving environment. This provides a baseline against which changes that occur because of the proposed Project can be measured. For the proposed Project, baseline information was obtained through a desktop study, consultation, and engagement with stakeholders (Appendix B), focusing on environmental receptors that could be



affected by the proposed Project, and verified through site-specific information. The baseline information is covered in Chapter 5.

2.6 PUBLIC CONSULTATION

Public participation and consultation are a requirement as stipulated in the Environmental Impact Assessment Regulations (Regulations 21 and 23) of the EMA, No.7 of 2007, for a project undertaking a listed activity that requires an environmental clearance certificate. Consultation is a compulsory and critical component of the ESIA process for achieving transparent decisionmaking and can provide many benefits. Consultation is ongoing during the ESIA process. The objectives of the public participation and consultation process are to:

- Provide information on the Project, introducing the overall project concept and planning in the form of a background information document (BID)
- Determine the relevant government, regional and local regulating authorities
- Listen to and understand community issues, record concerns and questions
- the ESIA and the timeframes involved and establish a platform for ongoing consultation

2.6.1 IDENTIFICATION OF KEY STAKEHOLDERS AND INTERESTED AND AFFECTED PARTIES

A stakeholder mapping exercise was undertaken to identify individuals or groups of stakeholders, and the method in which they will be engaged during the ESIA process.

Stakeholders were approached through direct communication (letters and phone calls), the national press, or directly by email. A summarised list of stakeholders for this project is given below:

- The general public with an interest in the Project
- Ministry of Environment, Forestry and Tourism (MEFT)
- Ministry of Mines and Energy (MME)
- Erongo Regional Council
- Henties Bay Town Council and
- =/=Gaingu Conservancy

The records of the public consultation process in the form of a summary report will provide a list of interested and affected parties (I&AP's), evidence of consultation, including minutes of any meetings, advertisements in national newspapers, and a summary of the comments or questions raised by the public.

2.6.2 NON-TECHNICAL SUMMARY

The Background Information Document (BID) presents a high-level description of the proposed Project; sets out the ESIA process and outlines when and how consultation will be undertaken. It



also provides contact details for further Project -specific inquiries to all registered I&APs. The BID was distributed to registered I&APs and can be found in Appendix B.

2.6.3 NEWSPAPERS AND ADVERTISMENTS

Notices regarding the proposed Project and associated activities were circulated in three newspapers namely the 'Republikein, Sun, and Allgemeine Zeitung' on the 17th of October and 24th of October 2022 (see Appendix C). The purpose of this was to commence the consultation process by informing the public about the Project and enabling I&APs to register and submit any concerns or comments about the Project.

2.6.4 SITE NOTICES

A site notice ensures neighbouring properties and stakeholders are made aware of the proposed Project. The site notice was set up at the boundary of the EPL as illustrated in Appendix C.

2.6.5 PUBLIC MEETING

In terms of Section 22 of the Environmental Management Act, No. 7 of 2007 and its regulations, for the purpose of registering I&APs. A public meeting is not a requirement during the public consultation process for all projects. The EAP decided not to call for a public meeting but rather engage directly with stakeholders and consider the written comments and concerns submitted through the registration of interested and affected parties.

2.6.6 SUMMARY OF ISSUES RAISED

The I&APs were encouraged to provide constructive input during the consultation periods. Matters of concern raised during the initial round of consultation are presented in Appendix C.

The public was further provided with an opportunity to send any comments on the draft scoping report with impact assessment and the EMP. These will be included and addressed, where applicable, in the final scoping report with impact assessment and the EMP.

2.7 DRAFT SCOPING REPORT WITH IMPACT ASSESSMENT AND PRELIMINARY EMP

The draft scoping report with impact assessment and preliminary EMP will be submitted to the public for review prior to submission to the competent authority and DEA. This report documented the findings of the assessment process, provides stakeholders with the opportunity to comment and continue to engage in consultation and forms part of the environmental clearance application.

The preliminary EMP provides measures to manage the potential environmental and social impacts of the proposed Project and outlines specific roles and responsibilities to fulfil the plan. The draft documents will be updated with the additional comments that stem from the public review of the reports.



2.8 FINAL SCOPING REPORT WITH IMPACT ASSESSMENT AND PRELIMINARY EMP

The final scoping report with impact assessment, associated appendices will be available to all stakeholders on the ECC website <u>https://eccenvironmental.com/download/the-proposed-exploration-of-nuclear-fuels-on-epl-8728-8792-and-8795-erongo-region-namibia/</u> and MEFT portal at <u>http://eia.met.gov.na/</u>. All I&APs will be informed of this via email.

These same final documents are formally submitted to the competent authority, namely, the Ministry of Mines & Energy. A copy of the submission proof and the same set of the documents are submitted to the Office of the Environmental Commissioner, DEA department, as part of the application for an environmental clearance certificate.

2.9 AUTHORITY ASSESSMENT AND DECISION MAKING

The Environmental Commissioner in consultation with the MME and other relevant authorities will assess the findings of the Final Scoping with Impact Assessment. If deemed acceptable, the Environmental Commissioner will revert to the Proponent with a record of decision and any recommendations. If the clearance is not granted, then reasons are normally provided. For example, it may be required for the Proponent to undertake a detailed assessment. A detailed assessment would most likely entail the commissioning of specialist studies with impact assessments.

2.10 MONITORING AND AUDITING

In addition to the EMP being implemented by the Proponent, a monitoring strategy and audit procedure will be determined by the Proponent and competent authority (i.e., MME). This will ensure that key environmental receptors are monitored over time to establish any significant changes from the baseline environmental conditions caused by Project activities.



3 REVIEW OF THE LEGAL ENVIRONMENT

As stated in Section 1, an environmental clearance certificate is required for any activity listed in the Government Notice No. 29 of 2012 of the EMA 2007. The Project area is located within a registered conservancy area but outside the Dorob National Park and any recognised heritage area (e.g. Spitzekoppe Massifs).

A thorough review of relevant legislation has been conducted for the proposed Project. Table 3 below identifies relevant legal requirements specific to the Project. Table 4 provides the national policies and plan.



Table 5 specifies permits relevant for the Project. This chapter outlines the regulatory framework applicable to the proposed Project.



3.1 NATIONAL REGULATORY FRAMEWORK

Table 3 - Details of the regulatory framework as it applied to the proposed Project.

National Regulatory Regime	Summary	Applicability to the Project
Constitution of the Republic of Namibia (1990)	The constitution defines the country's position in relation to sustainable development and environmental management. The constitution refers that the State shall actively promote and maintain the welfare of the people by adopting policies aimed at the following: "Maintenance of ecosystems, essential ecological processes and biological diversity of Namibia, and the utilisation of living, natural resources on a sustainable basis for the benefit of all Namibians, both present, and future."	The Proponent is committed to the sustainable use of the environment, and has aligned its corporate mission, vision, and objectives within the ambit of the Constitution of the Republic of Namibia (1990).
Minerals (Prospecting and Mining) Act No. 33 of 1992	The Act provides for the granting of various licences related to mining and exploration. Section 50 (i) requires: "An environmental impact assessment indicating the extent of any pollution of the environment before any prospecting operations or mining operations are being carried out, and an estimate of any pollution, if any, likely to be caused by such prospecting operations or mining operations." The Act sets out the requirements associated with licence terms and conditions, such that the holder of a mineral licence shall comply with.	 Exclusive Prospecting Licence EPL 8792 was issued to the Proponent in June 2022 and is valid for a period of 3 years. The proposed prospecting activity on EPL 8792 requires an EIA to be carried out, as it triggers listed activities as defined in Government notice 29 in the Environmental Management Act 2007. Prospecting activities in EPL 8792 shall not commence until an Environmental Clearance Certificate has been issued in accordance with the provisions of the Environmental Management Act 2007. The Project shall be compliant with Section 76 of the Minerals Act with regard to records, maps, plans and



ENVIRONMENTAL COMPLIANCE CONSULTANCY		Marenica Ventures (Pty) Ltd	
National Regulatory Summary		Applicability to the Project	
Regime			
	The Act also contains relevant provisions for pollution	financial statements, information, reports and returns	
	control related to mining activities and land access	submitted.	
	agreements and provides provisions that mineral		
	licence holders are liable for any damage to land, water,		
	plant, or animal life, caused by spilling or pollution, and		
	must take all such steps as may be necessary to remedy		
	such spilling, pollution, loss, or damage, at its own costs.		
Environmental Management	The Act aims to promote sustainable management of	This scoping report documents the findings of the scoping	
Act, 2007 (Act No. 7 of 2007)	the environment and the use of natural resources. The	phase and includes an environmental and social impact	
and its regulations (2012),	Act requires certain activities to obtain an environmental	assessment sufficient for the project's activities.	
including the Environmental	clearance certificate prior to Project development.		
Impact Assessment		The process has been undertaken in line with the	
Regulation, 2007 (No. 30 of	The Act states that an EIA should be undertaken and	requirements of the Environmental Management Act and	
2011)	submitted as part of the environmental clearance	its regulations.	
	certificate application process.		
	The MEET is used and black on the prosterior and	Prospecting activities on EPL 8792 will not commence until	
	The MEFT is responsible for the protection and	an Environmental Clearance Certificate has been issued in	
	management of Namibia's natural environment. The Department of Environmental Affairs, under the MEFT,	accordance with the provisions of the Environmental	
	is responsible for the administration of the EIA process.	Management Act 2007.	
Hazardous Substances	This Ordinance provides for the control of toxic	The Proponent must handle and store hazardous	
Ordinance, No. 14 of 1974	substances and can be applied in conjunction with the	substances such as fuels, reagents, and industrial	
	Atmospheric Pollution Prevention Ordinance, No. 11 of	chemicals in a safe and responsible way, thereby avoiding	
	1976. This applies to the manufacture, sale, use,	any harm to the environment.	
	disposal, and dumping of hazardous substances, as well	any harm to the charlon ment.	
	as their import and export.		
Labour Act, No. 11 of 2007	The Labour Act, No. 11 of 2007 (Regulations relating to	The Proponent must adhere to all labour provisions and	
	the Occupational Health & Safety provisions of	guidelines, as enshrined in the Labour Act. The Project shall	
	Employees at Work, promulgated in terms of Section 101	also develop and implement a comprehensive occupational	



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National Regulatory	Summary	Applicability to the Project
Regime	Summary	
	of the Labour Act, No. 6 of 1992 - GN156, GG 1617 of 1 August 1997)	health and safety plan to ensure adequate protection for its personnel throughout the Project lifecycle.
Petroleum Products and Energy Amendment Act, No.3 of 2000	Provides provision for the Minister to regulate the cleaning up of petroleum product spills, leaks and related incidents. The Proponent is required to carry all costs associated with such incidents.	The Proponent must take into consideration the requirements that are stipulated in both the Act and its Regulations. Measures in the EMP sets out methods to comply with the Regulations, specifically waste disposal during exploration.
Atomic Energy and Radiation Protection Act, Act 5 of 2005.	Annual reporting on the implementation of the Radiation Management Plan to ensure radiation safety and protection on site	The Proponent must take into consideration the requirements that are stipulated in both the Act and its Regulations. Measures in the EMP sets out methods to comply with the Regulations, specifically waste disposal during exploration.
Radiation Protection & Waste Disposal Regulations (No 221 of 2011)	This Regulations makes provision for proponents to prepare and implement a Radiation Management Plan, commensurate with the activities of operations.	The Proponent must take into consideration the requirements that are stipulated in both the Act and its Regulations, the Radiation Protection and Waste Disposal Regulations. Measures in the EMP sets out methods to comply with the Regulations, specifically waste disposal during exploration.

3.2 NATIONAL POLICIES AND PLANS

Table 4 - National policies and plans applicable to the proposed Project

Policy or plan	Description	Relevance to the Project
Vision 2030	Vision 2030 sets out the nation's development targets and strategies to achieve its national objectives.	The Proponent is encouraged to meet the objectives of Vision 2030 and shall contribute to the overall development
		of the country through continued employment opportunities and ongoing contributions to the gross
		domestic product (GDP).



Policy or plan	Description	Relevance to the Project
	Vision 2030 states that the overall goal is to improve the quality of life of the Namibian people aligned with the developed world.	
Fifth National Development Plan (NDP5)		
The Harambee Prosperity Plan II (2021 – 2025)	Second Pillar: Economic advancement – ensuring increasing productivity of priority key sectors (including mining) and the development of additional engines of growth, such as new employment opportunities. The Proponent will contribute to the advancement of the mining industry and additional employment generation engine regional and national landscape.	
Namibia's Green Plan, 1992	Namibian has developed a 12-point plan for integrated sustainable environmental management to ensure a safe and healthy environment and to maintain a viable economy. Clause 2 (f) makes specific mention to guidelines related to Mining and Sustainable Development.	The Proponent is encouraged to adhere to best practise during operational activities.
Minerals Policy	The Minerals Policy was adopted in 2002 and sets guiding principles and direction for the development of the Namibian mining sector, while communicating the values of the Namibian people. The policy strives to create an enabling environment for local and foreign investments in the mining sector and seeks to maximise the benefits for the Namibian people from the mining sector, while encouraging local participation.	The Proponent must conform to the Policy and where applicable support local spending and procurement. The Proponent must comply with the general guidelines of the Policy through the adoption of various legal mechanisms to manage all aspects of the environment effectively and sustainably from the start. The ESIA is one such mechanism to ensure environmental integrity throughout the planned Project's lifecycle.



Policy or plan	Description	Relevance to the Project
	The objectives of the Minerals Policy are in line with the	
	objectives of the Fifth National Development Plan that	
	include reduction of poverty, employment creation, and	
	economic empowerment in Namibia.	



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Table 5 - Specific permits and licence requirements for the proposed Project

Permit or licence	Act or Regulation	Related activities requiring a permit	Relevant Authority
Environmental clearance	Environmental	Required for all listed activities shown in Table 2.	Ministry of Environment, Forestry and
certificate	Management Act, No 7 of	Requires issuance of Environmental Clearance	Tourism (MEFT)
	2007	Certificate by the Environmental Commissioner.	
Exclusive Prospecting	Section 90 (2) (A) of the	Written permission from the mining commissioner	Ministry of Mines and Energy (MME)
Licence	Minerals Act, No.33 of	in the form of an Exclusive Prospecting Licence	
	1992	(EPL 8792) has been issued to date.	
Vegetation Clearing	Forestry Act No. 12 of 2001	A permit is required for the removal or clearing of	MEFT
		any vegetation.	
Water abstraction permit	Water Act, 1996	This Act provides for "the control, conservation	Ministry of Agriculture, Water and Land
		and use of water for domestic agricultural, urban	Reform (MAWLR)
		and industrial purposes; to make provision for the	
		control, in certain respects and for the control of	
		certain activities on or in water in certain areas".	
		The Ministry of Agriculture, Water and Land	
		Reform Department of Water Affairs is responsible	
		for the administration of the Water Act. The	
		Minister may issue a Permit in terms of regulations	
		5 and 9 of the government notice R1278 of 23 July	
		1971 as promulgated under section 30 (2) of the	
		Water Act no. 54 of 1956, as amended. To abstract	
		water from a controlled water source, a WA 002	
		should be filled and submitted to the MAWF	
Notice of Intention to	Water Resources	Despite any other law to the contrary, a person	Ministry of Mines and Energy (MME)
drill	Management Act, 2004	who proposes to drill a new borehole, or to	
		improve any existing borehole, for the purpose of	
		searching for or extracting minerals or other	
		substances, or for road construction or any other	
		purposes other than exploring for groundwater	



Permit or licence	Act or Regulation	Related activities requiring a permit	Relevant Authority
		must inform the Minister of such proposal; furnish the Minister with such data and information as the Minister may require in connection with such borehole drilling or improvement; and take such measures as may be required by the Minister for conserving and protecting groundwater. Any	
		excess water collected as a result of any operation contemplated in subsection (1) must be disposed of as prescribed	



4 PROJECT DESCRIPTION

4.1 NEED FOR THE PROJECT

The mining sector in Namibia contributes to the country's Gross Domestic Product (GDP), government tax receipts and export revenues. For this reason, exploration activities are encouraged in Namibia. The vision of the Minerals Policy is to "attract investment and enable the private sector to take the lead in exploration, mining, mineral beneficiation and marketing" supports mineral exploration and development.

The proposed Project is in line with this vision and has the potential to create employment in local communities in the Erongo Region. If exploration activities are successful, and a resource can be defined as having commercially viable mineral concentrations, then socio-economic development can be realised in the region.

4.2 ALTERNATIVES CONSIDERED

In terms of the Environmental Management Act, No. 7 of 2007 and its regulations, alternatives considered should be analysed and presented in the EIA reports. This requirement ensures that during the design evolution and decision-making process, potential environmental impacts, costs, and technical feasibility have been considered, which leads to the best option(s) being identified.

Exploration activities range from extremely low impact exploration such as remote sensing from satellites to more intensive methods such as closely spaced drilling. The methods that will be used are based on the exploration programme which is adjusted as more information and data is obtained. At this stage of the Project, the exploration programme is yet to be finalised and therefore a range of options exist. All the options and methods have been identified to ensure all the potential impacts on the environment and society are assessed.

4.2.1 NO-GO ALTERNATIVES

Should exploration activities within EPL 8792 not take place, the anticipated environmental impacts from exploration activities would not occur. However, the social and economic benefits associated with the Project would also not materialise. Additionally, there would not be an opportunity to define resources within the Project area, which would be a missed opportunity for geological mapping and data collection that typically adds to regional knowledge of Namibia's mineral wealth and, if found to be viable for mining, would benefit the Namibian economy.

4.3 EXPLORATION METHODOLOGY

All geological and geophysical work will be conducted by contractors. The schedule of activities is presented in Table 6.t



Phase	Date	Activity Description
1	1 month	Acquire Government Mag/Rad and Geology
1	2 months	Interpret data, literature search and review
2	1 month	Ground truth Anomalies
2	2 months	Soil and rock sampling
2	2 months	Geochemical sampling
2	2 months	Ground Rad survey
2	2 months	EM survey
3	2-3 months	If warranted shallow RAB and or RC drilling

Table 6 - Preliminary Exploration Schedule

Exploration activities on EPL 8792 will include soil and rock sampling, geological mapping, electromagnetic and geophysical surveys, drilling and core sampling. 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. Detail of these methods are as follows:

REMOTE SENSING AND GEOPHYSICAL SURVEYS

During mineral exploration, remote sensing and geophysical surveys enables explorers to find and assess deposits without having to undertake massive exploration operations. Remote sensing may be used to map the geology and existing faults and fractures that localise the ore deposits or may be used to recognise rocks which have been hydrothermally altered. Remote sensing includes a few tools and techniques including geographical information systems, radar, geographical information systems and sonar.

GROUND PENETRATING RADAR

Ground penetrating radar is a non-destructive geophysical survey that can detect subsurface features without drilling, probing, or digging. This method is likely to be the preferred method for exploration activities within the EPL. This will most likely be undertaken on foot.

REVERSE CIRCULATION (RC) DRILLING

Drilling is to be undertaken to obtain drill core samples. The collected samples will be temporarily stored in plastic bags on site and transported to a sample preparation laboratory at Tschudi or in Swakopmund.

All exploration activities will be undertaken in programmed segments. The number of drill holes will be determined from results obtained ground penetrating radar data. Equipment used during drilling shall include a trailer-mounted rig towed by a light vehicle.

Pitting and trenching is not planned for this exploration project, so it has not been included in the impact assessment of this scoping report.



Existing tracks shall be used as far as reasonably practicable. If new tracks are required, they will be developed by hand or by use of 4x4 vehicles. The chosen method will depend on the terrain. Vegetation clearing will be limited to clearing for access tracks and site camps. Any established or large trees or specially protected plant species shall not be removed, and access tracks will be routed to avoid these. Where some clearing is required, permits must be obtained.

4.3.1 EXPLORATION SCHEDULE

The exploration activities will be executed and managed from the Elevate Exploration Office in Swakopmund. Field exploration activities, using techniques as discussed above, are likely to occur throughout the license validity period. Remote sensing studies and planning phases for the prospecting programme will require 3 months. Geochemical sampling will be undertaken concurrently with geological mapping for approximately 2 months. Geophysical surveys will then be carried out over a period of about 2 months after which the Project will advance to reverse circulation or core drilling.

The duration of drilling programs is variable, and usually depends on the information that is gained from drilling. Renewal applications for the environmental clearance certificate and other permits will be made should a renewal of the EPL be required.

4.3.2 EQUIPMENT AND MATERIALS

During the exploration phase double and single cab vehicles will be used to transport workers to, from and around the site. Field activities will be organized in Swakopmund. The contractor's camp infrastructure includes tents and chemical toilets, which would be set up on site temporarily if park entry permit, permits it. A drill rig (track-mounted) will be brought to site for drilling, along with a water truck and supporting equipment (rods truck, water and fuel bowsers, and RC compressor) for use during drilling are also on the drill rig.

4.3.3 POWER SUPPLY

The individual contractors will be responsible for supplying their own energy needs throughout the duration of their stay within the field camps. The Proponent prefers the use of small-scale generators.

4.3.4 WATER SUPPLY

Water will be required for various uses including human consumption during the planned exploration activities. Water required for exploration activities will be trucked to site by the drilling support vehicles.



4.3.5 ACCOMMODATION

Ten to twenty personnel will be required during exploration activities. Staff will be accommodated in designated field camps located within the EPL and within the exploration camp infrastructure which includes tents and toilets as per Park requirements.

4.3.6 WASTE MANAGEMENT

Waste produced on-site will include solid waste such as packaging material and field camps household waste. Hazardous waste if any, such as (hydrocarbon contaminated soil, etc.) will be disposed of at the Walvis Bay municipal waste handling site. The Proponent must ensure waste is collected in categorised bins and that the waste hierarchy of (reduce, reuse, and recycle) is practiced as practically as possible. All waste will need to be removed from the Conservancy and disposed of at the Henties Bay or Swakopmund landfill or waste recycling sites.

4.3.7 WASTEWATER EFFLUENT

Wastewater (e.g., water with drill additives) used during drilling is recycled, contained, and allowed to evaporate after use. Sewerage produced through using mobile toilets must be removed off-site by the responsible contractor. No wastewater may be discharged into the environment unless suitable treatment facilities are constructed and any discharge into the environment meets the necessary specifications.

4.3.8 REHABILITATION

Once exploration activities are completed the areas must be rehabilitated to a condition as close to the original state as possible. Rehabilitation methods must be determined prior to the commencement of the exploration programme and shall be agreed with the landowners and authorities as per legislation (discussed in Section 3). Before and after photographs will be used to monitor rehabilitation success. The Proponent is committed to restoring all disturbed areas from their activities.



5 ENVIRONMENT AND SOCIAL BASELINE

A detailed environmental and socio-economic baseline is provided in this section. A description of the existing biophysical environment is given. This section has been compiled from a desktop study, followed by site verification.

5.1 LAND USE

EPL 8792 is situated to located east of Henties Bay in the Erongo Region. Access to the EPL can be obtained via the D1918 between Usakos and Henties Bay. This region has mixed agriculture (livestock and communal lands), tourism, conservation, light industry and mining activities. The EPL falls within the =/=Gaingu conservancy. The land use in the immediate vicinity of the EPL may either be livestock farming or tourism undertaken by the residents of the local communities to the east.

5.2 CLIMATE

The climatic conditions characterising the EPL area are warm summers and cool winters with the mean temperatures between 19°C and 21°C, mean maximum temperatures ranging between 26°C and 31°C and mean minimum temperatures ranging between 7°C to 19°C. The hottest months of the year are between February and May and the coolest months are in June and September (Bubenzer, 2002 & Meteoblue, 2022).

The months with the highest humidity, have a humidity of approximately 70% RH, and the driest months have a humidity of approximately 20-30% RH. The average rainfall in this area during the year is between 50 to 100 mm and rainfall events are limited to the summer months, mainly between January and April. Potential evaporation is between 3000 and 3200 mm per year (Bubenzer, 2002) as shown in Figure 3.

The site has wind speeds between 0 and 19 km/h, where the months of September to March are known to be the windiest months. Wind can occur any time of the day and the most predominant wind directions for this area are NE, SW and SSW (Figure 4) (Meteoblue, 2022).




Figure 3 - Climate of the area





Figure 4 - Average wind speed and direction in this area



5.3 SOIL, GEOLOGY AND TOPOGRAPHY

The geology over which the EPL falls mainly consists of the Swakop group (Damara supergroup and Gariep complex). The main rock type is metamorphic sedimentary rocks such as schists and dolomites (Bubenzer, 2002) as shown in Figure 5.



Figure 5 - Geology of the area

The topography of the EPL area is relatively flat with larger rocky outcrops to the north-eastern side of the EPL. The elevation of the EPL increases steadily from west to east as shown in Figure 6. The highest point being about 603 m above sea level and the lowest point is just below 486m above sea level.





Figure 6 - Elevation of the area

Namibian soils vary a great deal on a broad scale with a great deal of variability at a local level. The EPL is mainly covered with petric Gypsisols. Petric means soils with a solid layer at a shallow depth that remains hard even when wet. Gypsisol means soils with an accumulation of calcium sulphates which is often restricted to areas that are very dry, such as in the central Namib. Figure 7 is a map showing the distribution of the soil types in the area.





Figure 7 - Soil Characteristics of the area

5.4 HYDROGEOLOGY

According to the Namibian Monitoring Information System & Hydrological Map of Namibia (https://na-mis.com/) the site falls mainly over rock bodies with little to very low or limited groundwater potential. The groundwater vulnerability in this area is very low and groundwater recharge within this area is considered to be very low (0% of the total average rainfall). Groundwater in this area is generally of poor quality not suitable for human consumption. This EPL falls over the Erongo groundwater basin and has many minor drainage lines running through the EPL. The EPL also falls with the Omaruru catchment area as shown in Figure 9.



Figure 8 - Hydrology of the area

- 5.5 BIODIVERSITY BASELINE
 - 5.5.1 FLORA

Vegetation in Namibia is strongly influenced by rainfall. The plant diversity and tallest trees are most lush in the north-eastern parts of the country and contrast sparser and shorter to the west and south of the country. This gradient is not simple as factors such as soil types, landscape and human impacts may also influence the vegetation. The plant diversity (> 150 species) for this area is very low with moderate endemism (6 to 15 species) and the dominant vegetation structure for the EPL is Namib grassland, the vegetation type is Central desert and the EPL falls within desert



14 55 14.60 14.65 14 70 14.75 14 80 14 85 ECC -21.85 -21 Legend .85 — Main roads EPL 8792 Vegetation Cover Central desert Central-western -21.90 -21.90 escarpment and inselbergs -21.95 -21.95 -22.00 22.00 Site coordinates Latitude: -21.933981 Longitude: 14.745473 EPSG:4326 WGS 84 -22.05 -22.05 Scale 1:150,000 2.5 5 km Reference: ECC/79/256 14.55 14.60 14.65 14.70 14.75 14.80 14.85 Cartography: | le Roux 07/2022

biome the dominated by lichens and *Psilicoulon salicornioides* (Mendelsohn et al. 2002). Figure 9 shows the location of the EPL within the central desert vegetation cover.

Figure 9 - Vegetation of the area

5.5.2 FAUNA

The overall terrestrial diversity for the area is low compared to other parts of the country. The area in which the EPL lies has a high bird diversity status of about 11-140 species (residents and migrants), with a low to moderate bird endemism (between 6 to 15 species) and represents an area with moderate mammal diversity of between 46-60 species (7-8 of these species are endemic). (Bubenzer, 2002, IUCN, 2021, Mendelsohn et al., 2002, Oberprieler and Cillié, 2008 & Stuart and Stuart, 2015).

Furthermore, the reptile diversity within this area is moderate with between 51 - 60 species, 21-24 endemic species (moderate); the number of observed lizard species for this area is between 28 to 31 of which 12-14 species are endemic (moderate) and the different snakes recorded are between 15 to 19 species (9-10 endemic species). This area also has a very low frog diversity of between 2 to 3 species, and also a low scorpion endemism of 7-8 species. (Bubenzer, 2002 & Mendelsohn et al., 2002).



5.6 SOCIAL AND SOCIO-ECONOMIC BASELINE

Erongo Region is clustered into seven constituencies (Arandis, Daures, Karibib, Omaruru, Swakopmund, Walvis Bay Rural and Walvis Bay Urban). The region's capital town is Swakopmund. Local authorities govern the towns in a form of municipalities. The Erongo Region occupies 10563.5km² of Namibia's 824292 km² total surface area and lies approximately 270 km northwest of the central Khomas Region.

5.6.1 EMPLOYMENT

Overall, the rate of unemployment is estimated at 33.4 % for Namibia, using the broad definition of unemployment. More than 60 % of the population is over 15 years of age and about one-third of the total population can be regarded as part of the labour force. The unemployment rate in rural and urban areas is almost the same – 33.4 % in urban areas and 33.5 % in rural areas (NSA, 2019). The youth group also ranks high in unemployment levels, even though many Namibia youth complete post-secondary education. In 2018 the unemployment level was at 59.6 % for those aged 15-19, 57 % for those aged 20-24, and 42.3 % for 25-29-year-olds (NSA, 2018).

5.6.2 ECONOMIC ENVIRONMENT

Mining plays a pivotal role in the economy of Namibia. Since independence, it has consistently been the biggest contributor to Namibia's economy in terms of revenue and accounts for 11% of the country's income (National Planning Commission, 2021). Mining is one of the main contributors to GDP, and one of the largest economic sectors of Namibia.

In 2022 Namibia recorded a growth of 4.6% which was mainly driven by mining (especially due to the growth of the diamond production) due to the fact that this industry saw a growth of 45.1% growth in 2022. Primary industries saw a growth of 12.9% mainly attributed to mining and quarrying falling under this industry (Namibia Statistics Agency, 2022).

Secondary industries saw a recovery from 2021 of 3.3% (Namibia Statistics Agency, 2022). However, agricultural industries have been negatively impacted due to drought and the war in Ukraine. With ever increasing fuel prices, inflation has increased to a high of 6.1%, an all-time high since 2017 thus affecting the most vulnerable (The World Bank, 2023).

5.6.3 CULTURAL HERITAGE

From the Namibian GIS data and information from the Atlas of Namibia and other sources, there are no sites of concern within the EPL boundaries. There are no sites of concern from any of the following categorised archaeological periods:- 1.8 million to 10000 years ago; past 10000 and 2000 years; or within the last 2000 years (Bubenzer, 2002 & Mendelsohn et al., 2002). Regardless, there is still the potential to uncover previously undiscovered heritage remains. A chance finds plan must be incorporated into the EMP.



6 IMPACT IDENTIFICATION AND EVALUATION METHODOLOGY

6.1 INTRODUCTION

The impact assessment method described in this chapter by ECC is designed to systematically identify and evaluate potential environmental and social impacts that may arise from a proposed project. The method takes into consideration the baseline characteristics of the Project area and assesses the significance of impacts based on various factors including the sensitivity and value of environmental and social receptors the nature characteristics of the potential impact and the magnitude of potential change.

The method provides:

- assessment guidance that is used to evaluate impacts;
- It acknowledges any limitations, uncertainties and assumptions associated with the assessment methodology;
- It outlines how impacts are identified and evaluated, and how the level of significance is derived;
- The method also addresses the application of mitigation measures in the assessment and how additional mitigations are identified.

This chapter provides a structured approach for evaluating the potential impacts of a proposed project on the environment and social aspects. It considers various factors to determine the significance of impacts and provides guidance on how to identify and evaluate potential impacts. It also recognises the limitations and uncertainties associated with impact assessment methodologies, which adds transparency and credibility to the assessment process.

Overall, this chapter provides a comprehensive and systematic approach for conducting impact assessments, which can help ensure that potential environmental and social impacts are thoroughly evaluated and addressed in the decision-making process for the proposed project. However, it is important to note that the effectiveness of this method would ultimately depend on its implementation and the accuracy of the baseline data and assumptions used in the assessment. Therefore, regular reviews and updates of the methodology based on new information and feedback from stakeholders would be recommended to improve its accuracy and relevance.







Scoping report with impact assessment for exploration activities on EPL 8792, Erongo Region, Namibia

Marenica Ventures (Pty) Ltd

					SIGNIFICANCE OF IMPACT			
	The significance of impacts has applying the identified finished and magnitude of change, as y significance. Modeled one no consident of a significant. The following timesholds were to theory the consensument of signifi- appropriately, a significant imp- ane of the following artistics. It excesses wildely recognized in it theoletics or enformers the via morephon or receptor group of co- tas leave to be material to the u- whether or not the environment granted.	herefore used to double cance had been applied ad would meet of least wells of occeptable change, billy or integrity of a coert, and firmate decision about	Significance of Impact	Impacts are considered to be loca factors that are unikely to be critical to decision- moking	Impacts are considered to be important factors but are unlikely to be key decision-making factors. The impact will be experienced, but the impact magnitude is sutfaciently small (with and without miligation) and well within occepted standards, and/or the receptor is of law sensitivity/volue. Impacts are considered to be short-emr, reversible and/or localized in extent.	Impacts are considered within obseptible limits and standards. Impacts are long-term, but reversible and/ or hove regional significance. These are generally (but not exclusively) associated with sites and features of national importance and resources/ features that are unique and which, if last, cannot be replaced ar.	Impacts are considered to be key factors in the decision making process that imay have an impact of major significance or large magnitude impacts occur to highly outed/sensitiv resource/teceptors. Impacts are expected to be permanent and non-reversible on a national scale and/ or have international significance or resul In a legisitive non- compliance.	
	Biophysical	Social		Low	Minor (2)	Moderate (3)	Major (4)	
	A biophysical receptor that is protected under legistation or interaction convention (CITIES) listed as rare, inrealened or endangered IUCM specicles. Highly volued/ sensitive resource/ receptors.	These attacted people/ communities will not be obta to adapt to changes or continue to maintain pre-impact livelihoods.	High (3)	Minor (3)	Moderate (6)	Major (9)	Major (12)	
SENSITIVITY	Of value, importance/ rathy on a regional scale, and with limited potential for substitution; and/or not protected or listed (globally) but may be a rate or threatined species in the county; with little restisance to eacesystem changes, important to ecceystem functions, or one under theat or population decline.	Able to adapt with some difficulty and maintain pre-impact status but only with a degree of support	Medium (2)	Low (2)	Minor (4)	Moderate (6)	Major (8)	
	Not protected or listed as common/abundary, ar not critical to other ecosystems functions.	Those affected are able to adapt with relative ease and maintain pre- impact status. There is no preceptible chrage to people's livelihood.	Low (1)	Low (1)	Low (2)	Minor (3)	Moderate (4)	
		SENSITIVITY	AND VALUE			SIGNIFICANCI	DESCRIPTION	
	Cow Of value, importance or tarity on a local socie, and/or not particularly sensitive to change or has considerable capadity to accommodale a change.	Of value, importance, a regional scale, and potential for substituit moderate sensitivity to moderate capacity to a o change.	or rority on with limited o on, and/or change, or	n international and with very substitution; a to change or t	High originational scale, limitad polential for mator very sensitive nas liftle capacity to idate a change.	Low - Major B (All Scores) Imposts are considered environment and social Low (negative imposts are considered to unlikely to be attract to d Minor (negative imposts are considered to	to be beneficial to the y o) 0 - 25 o be local factors that are ecision-making. two) 25 - 50	
A K	Aligation comprises a hieran o measures that provide app reduction at source; reducti	ortunities for environmental	m preventative envi enhancement. The i ig and correcting, ci	mitigation hier	archy is avaidance;	ors unlikely to be key deck impact will be experienced is sufficiently small (with o well within accepted stand of low sensitivity/volue. In short-term, reversible and	sion-making tactors. The 1, but the impact magnitud and without mitigation) on lards, and/or the receptor i npacts are considered to b or localized in extent.	
10 17 18 19 19	Standard practices not other basi practice necesures for avoiding and minimizing er neticomantal impacts here an considered as not practice measures.	Actors underfait into three Actors underfait by the the influence the design of implementing design meas they would an elimitate on it design through the mount focus to reduce the magn frees on considered as and	distinct onlegaries, 1 GA process coses, finaugh ures finaugh ures finaugh wold rod environmental lude of mitigation.	Specified or bill impliance obverse in the incor mitigation os od	Ladditional measures tav-up action to be inted to further induce inpacts that immain other poration of embedded 	Impacts are considered w standards: Impacts are lot or have regional significar (but not exclusive) reso- features of relational import features that use unique a replaced or relational. Major (negati Impacts are considered to decision-making process.	ng-term, but reversible and roc. These are generally colded with sites and tonic and resources' ind which, if leal, connot be rive) 75 - 100 be key factors in the fact may have an impact of	
	The EIA is an iterative process	proje	ct. Id specified addition			indjor significance, or larg to highly valued/sensitive are expected to be perman a national scale and/or ha or result in a legislative na	resource/teceptors. Impod sent and non- revensible o we international significan	

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Figure 10 - ECC assessment methodology



6.2 ASSESSMENT GUIDANCE

The principal documents used to inform the assessment method are:

- International Finance Corporation standards and models, in particular Performance Standard 1, 'Assessment and management of environmental and social risks and impacts' (International Finance Corporation, 2017) (International Finance Corporation, 2012);
- International Finance Corporation CIA and Management Good Practice Handbook (International Finance Corporation, 2013); and,
- Namibian Draft Procedures and Guidance for EIA and EMP (Republic of Namibia, 2008).

6.3 LIMITATIONS, UNCERTAINTIES AND ASSUMPTIONS

The limitations and uncertainties associated with the assessment methodology in Namibia were observed:

- To include the absence of topic-specific assessment guidance with a generic methodology being applied based on IFC (International Finance Corporation) guidance and professional judgement.

This implies that there may be limitations in terms of tailoring the assessment to specific topics or issues relevant to Namibia, and that the methodology may not fully capture the unique characteristic and nuances of the local context.

The impact assessment process also acknowledged the presence of uncertainties, and assumptions were made based on realistic worst-case scenarios to ensure that potential environmental impacts were identified and assessed comprehensively. These assumptions and uncertainties were identified and documented during the assessment process shown in Table 7 in line with best practice.

A cautious approach was applied where uncertainties existed, allowing for the identification and assessment of potential impacts based on worst-case scenarios. The limitations and uncertainties were acknowledged and described in the baseline section of the assessment, indicating transparency and awareness of potential limitations in the methodology.

It is important to note that the limitations and uncertainties identified in the assessment methodology may introduce potential biases or inaccuracies in the assessment results. Therefore, it is recommended to regularly review and update the methodology to address these limitations and uncertainties, and to ensure that it remains robust and relevant for the specific context of Namibia. Additionally, incorporating stakeholder feedback and local knowledge can also contribute to improving the accuracy and comprehensiveness of the assessment process.



Table 7 - Limitations, uncertainties and assumptions

LIMITATION / UNCERTAINTY	ASSUMPTION
Number of access roads and temporary drill campsites	The making of new tracks or access roads will be avoided, and existing tracks and routes will be used as far as possible. While every effort will be made to minimise environmental damage, in some cases it will be necessary to clear some vegetation. Temporary campsites near the drill sites may be required.
The program of exploration works is not confirmed	It is assumed that exploration work shall be undertaken in campaigns over the course of the licence period. Activities involve drilling; aerial or remote sensing; geophysical surveys; and mineral sampling. Pitting and trenching are not considered for this project is unlikely and generally not favoured. If commercially viable concentrations can be defined by preliminary drilling, a next phase of advanced resource drilling operations is possible.
Number of workers, area they will come from and accommodation	It is planned that approximately ten people will be contracted for the proposed project. Contractors may camp near exploration sites but will need the approval of the conservancy leaders.
Structures	No permanent infrastructure will be developed during any phase of project activities during the 3-year mineral licence period.



7 IMPACT ASSESSMENT FINDINGS AND PROPOSED MITIGATION MEASURES

This chapter presents the findings of the impact assessment for the proposed project, with a focus on significant potential impacts. The design of the proposed project and best practice measures were considered during the assessment to identify likely significant impacts and recommended mitigation measures.

A summary list of potential impacts was provided including water (surface and groundwater), soil, landscape (visual impacts, sense of place), socioeconomics (employment, demographics, and land-use), noise, ecology (fauna and flora), air quality (emissions, pollutants, and dust), and heritage (including culture, history, archaeology, and palaeontology).

Table 10 in the report outlines the findings of the impact assessment, identifying the activities that could be the source of impacts, the receptors that could be affected, and the pathways between them. Where activities or receptors have not been identified and analysed, potential impacts are deemed unlikely, and no assessment or justification is provided. Justification for further assessment may or may not be required where the activity, receptor, and pathway have been identified and analysed.

The nature and localised scale of the exploration activities, as well as the environmental context of the EPL, are expected to limit the potential environmental and social effects, should they occur. However, uncertainties related to potential increase in movements and presence of people, which may lead to illegal and covert activities such as poaching, stock theft, and collection of organisms, were identified. Accidental veld fires may also increase with the presence of contractor personnel, potentially affecting terrestrial ecology and biodiversity in Namibia, as well as local landowners and their neighbours. Mitigation measures are recommended and provided in Table 10 to address these potential impacts.

Cumulative impacts resulting from physical disturbance, noise, dust, and loss of sense of place may be experienced by farm owners, neighbours, visitors, and tourists. Mitigation measures are recommended and provided in Table 8 to address these impacts. Precautions must also be taken to prevent damage to heritage sites, and a chance find procedure will be implemented if paleontological remains are discovered during exploration activities. With the necessary mitigation measures in place, the significance of the impact reduces from moderate to minor, as outlined in the report.

It is important to ensure that the recommended mitigation measures are effectively implemented and monitored during project implementation to minimise potential impacts and ensure compliance with environmental regulations and best practices. Regular monitoring and review of



the impacts and effectiveness of mitigation measures should also be conducted throughout the project lifecycle to address any emerging issues and make necessary adjustments to the mitigation measures as needed.



Description	Details			
Aspect	Water			
Description of activity	Site operations such as maintenance activities could lead to			
	compromised containment of hazardous materials, e.g., accidental			
	fuel / hydraulic fluid leaks and s	pills, or similar sources.		
Description of impact	Hydrocarbon leaks and spills	could enter the aquifer causing		
	contamination			
Assessment of impact	Receptor	Groundwater quality		
	Effect/description of	Adverse		
	magnitude	Direct		
		Partly Reversible		
		Moderate		
		Short term		
		Regional		
		Possible		
	Value of sensitivity	Medium		
	Magnitude of change	Minor		
	Significance of impact prior	Minor (4)		
	to mitigation			
Impact		raining through toolbox talks and		
management/control	induction			
measures		machinery must have drip trays to		
	collect leakages of lubricants and oil			
		iterial must be available during fuel		
	delivery, storage or use			
	- Accidental spills and leaks (including absorption material) must			
	be cleaned as soon as possi			
	- Major spills to be reported,			
		hedules on equipment is in place		
		re) in adequate containment areas		
		d) and discard damaged containers		
		ires when service and maintenance		
		(drip trays, non-porous surfaces,		
	funnels, non-damaged cont			
	- Refuelling must be done in areas with adequate preventative			
	measures in place			
	 Servicing equipment must not be done in the field 			
Residual impact after	Low (2)			
mitigation				

Table 8 - Scoping assessment findings and proposed mitigation measures



EPL 8/92, Erongo Region, Nami
Marenica Ventures (Pty)

Description	Details		
Aspect	Water		
Description of activity	Potential spillages of drill fluid, lubrication, etc. or drilling that penetrate the groundwater table.		
Description of impact	Hydrocarbon leaks and spills contamination	could enter the aquifer causing	
Assessment of impact	Receptor	Groundwater quality	
	Effect/description of	Adverse	
	magnitude	Indirect	
		Partly Reversible	
		Minor	
		Short term	
		Local	
		Possible	
	Value of sensitivity Low		
	Magnitude of change Minor		
	Significance of impact prior to Low (2)		
	mitigation		
Impact	- Ensure spill kits and preventa	tive measures (e.g., drill pads) are in	
management/control	place at exploration sites.		
measures		e channels to direct any accidental	
	spills into sumps.		
	•	Il fluids and therefore this risk is	
	significantly reduced.		
	-	P will be in place for managing drill	
		ling – this will be signed off by the	
	proponent prior to use.		
		m the drill site should be kept to an	
	acceptable level during exploration. Where possible, water		
	should be pumped from existing water sources.		
Residual impact after	Low (1)		
mitigation			



Description	Details		
Aspect	Water – surface and groundwater		
Description of activity	Discharge and infiltration of non-contained wastewater.		
Description of impact	Wastewater can contaminate su	rface and groundwater.	
Assessment of impact	Receptor	Surface and ground water	
	Effect/description of	Adverse	
	magnitude	Direct	
		Partly Reversible	
		Minor	
		Short term	
		Regional	
		Unlikely	
	Value of sensitivity	Low	
	Magnitude of change	Minor	
	Significance of impact prior	Low (2)	
	to mitigation		
Impact	- All wastewater discharges must be contained, and if possible		
management/control	recycled in the drilling proces	55	
measures	- Unrecyclable wastewater mu	st be removed from site and taken	
	to site where discharge of wa	astewater is permitted.	
	- Workers will be made aware	e of the importance of wastewater	
	management		
	- Good housekeeping		
	 Ensure prompt clean-up of spills 		
	 Contaminated soils should be remediated off-site 		
Residual impact after	Low (1)		
mitigation			



Description	Details			
Aspect	Water			
Description of activity	Inadequate management of solid waste.			
Description of impact	Waste items and litter can pollut	e drainage channels.		
Assessment of impact	Receptor	Surface and ground water		
	Effect/description of	Adverse		
	magnitude	Cumulative		
		Reversible		
		Minor		
		Temporary		
		On-site		
		Unlikely		
	Value of sensitivity	Low		
	Magnitude of change	Low		
	Significance of impact prior	Low (1)		
	to mitigation			
Impact	 Good housekeeping 			
management/control	- Training and awareness thro	ugh toolbox-talks and induction		
measures	- Implement a Standard Oper	ational Procedure (SOP) on waste		
	management, for all kinds of waste possible on-site (e.g.,			
	domestic, mineral, hydrocarbons, hazardous)			
	– Implement a culture of correct waste collection, waste			
	segregation and waste disposal.			
Residual impact after mitigation	Low (1)			



Description	Details			
Aspect	Soil - impacts			
Description of activity	Inadequate management of hazardous and hydrocarbon waste.			
Description of impact	Pollution of soil.	, ,		
Assessment of impact	Receptor	Soil		
	Effect/description of	Adverse		
	magnitude	Direct		
		Reversible		
		Minor		
		Short term		
		On-site		
	Possible			
	Value of sensitivity Low			
	Magnitude of change Minor			
	Significance of impact prior to Low (2)			
	mitigation			
Impact	- Good housekeeping			
management/control	 Training and awareness throug 	gh toolbox-talks and induction		
measures	- Implement a Standard Opera	tional Procedure (SOP) on waste		
	management, for all kinds	of waste possible on-site (e.g.,		
	domestic, mineral, hydrocarbo	ons, hazardous)		
	- Avoid hazardous waste on site			
	– Implement a culture of correct waste collection, waste			
	segregation and waste disposa	al		
	- Contaminated soil should be remediated off-site, either by the			
	Proponent at their own bioremediation site or taken to the Walvis			
	Bay hazardous waste site			
Residual impact after	Low (1)			
mitigation				



Description	Details			
Aspect	Terrestrial ecology and biodiversity			
Description of activity	Vegetation clearing for access routes, drill pads and temporary			
	contractor's camp.			
Description of impact	Loss / alteration of terrestrial h	abitats and loss of species		
Assessment of impact	Receptor Terrestrial ecology and			
		biodiversity		
	Effect/description of	Adverse		
	magnitude	Direct		
		Reversible		
		Minor		
	Short term			
	On-site			
	Possible			
	Value of sensitivity Low			
	Magnitude of changeMinor			
	Significance of impact prior Low (2)			
	to mitigation			
Impact	- Use existing roads for acces	ss to avoid new tracks and cut lines		
management/control	– Minimise clearance areas	through proper planning of the		
measures	exploration activities			
	- Promote revegetation of cleared areas where possible upon			
	completion of exploration activities			
	- Apply for vegetation clearing permits before removing any			
	vegetation.			
Residual impact after	Low (1)			
mitigation				



Description	De	etails	
Aspect	Terrestrial ecology and biodiversity		
Description of activity	Ambient noise and vibration caused by moving or stationary machinery and equipment (e.g., drill rigs, generators, vehicles, airplanes, and drones).		
Description of impact	Resident, slow-moving and nesti excessive noise or vibration	ng organisms may be disturbed by	
Assessment of impact	Receptor Terrestrial ecology and biodiversity		
	Effect/description of magnitude	Adverse Direct Reversible Minor Short term On-site	
	Value of sensitivity	Likely Low	
	Magnitude of change	Minor	
	Significance of impact prior Low (2)		
Impact management/control measures	 to mitigation Restrict excessive noise to areas of activities only Restrict excessive noise to daytime hours (7 am to 5 pm weekdays and 7 am until 1 pm on Saturday) No activities between dusk and dawn Drill equipment shall be suitably positioned to ensure that noisy equipment is away from receptors Maintain and carry out routine equipment checks All equipment to be shut down or throttled back between periods of use, Respect civil aviation regulations about the use of drones 		
Residual impact after mitigation	Low (1)		



Marenica	Ventures	(Pt_{V})	I td
ivial etitea	ventures	(FLY)	Llu

ASPECT	TERRESTRIAL ECOLOGY AND BIODIVERSITY				
Description of activity	Increased movement of vehicles, machinery and equipment.				
Description of impact	Residing and nesting organisms such as reptiles can be disturbed, injured or killed.				
Assessment of impact	Receptor	Terrestrial ecology and			
		biodiversity			
	Effect/description of	Adverse			
	magnitude	Direct			
		Partly reversible			
		Moderate			
		Short term			
		On-site			
		Possible			
	Value of sensitivity	Low			
	Magnitude of change	Minor			
	Significance of impact prior	Low (2)			
	to mitigation				
Impact	 Restrict movements to areas of activities only 				
management/control	 Use existing tracks and route 	es only			
measures	- Identify rare, endangered, th	reatened, and protected species in			
	advance				
	- Route new tracks around pro	otected species and sensitive areas			
	 Restrict movements to daytir 	•			
		ess routes (into the bush) / off-road			
	driving				
	- No animals or birds may be collected, caught, consu				
	removed from site				
Residual impact after	Low (1)				
mitigation					



Description		Details			
Aspect	Terrestrial ecology and biodiversity				
Description of activity	Increased disturbance of areas wi	th natural vegetation.			
Description of impact	Alien species and weeds can be in	troduced to the area.			
Assessment of impact	Receptor Terrestrial ecology and				
		biodiversity			
	Effect/description of	Adverse			
	magnitude	Direct			
		Reversible			
		Minor			
		Short term			
		On-site			
		Possible			
	Value of sensitivity	Low			
	Magnitude of change	Minor			
	Significance of impact prior to	Low (2)			
	mitigation				
Impact	- All project equipment arriving	on site from an area outside of the			
management/control	project or coming from an are	a of known weed infestations (not			
measures	present on the project site) s	hould have an internal weed and			
	seed inspection completed pri	or to equipment being used			
	- Monitor areas of activity for w				
	-				
	 Eradicate weeds and alien spe 	cies as soon as they appear			
Residual impact after mitigation	Low (1)				



Description	Details		
Aspect	Soil		
Description of activity	Accidental and uncontrolled fire		
Description of impact	Increased exposure due to possib	le vegetation clearance can cause	
	soil erosion.	J	
Assessment of impact	Receptor Terrestrial ecology and		
		biodiversity	
	Effect/description of	Adverse	
	magnitude	Direct	
		Partly Reversible	
		Low	
		Short-Term	
		Local	
		Unlikely	
	Value of sensitivity	High	
	Magnitude of change	Negligible	
	Significance of impact prior to	Minor (3)	
	mitigation		
Impact	 Restrict movements of people 	to areas of activity only	
management/control	- Train people and raise awareness about veld fires and firefighting		
measures	- No open fires outside designated areas are allowed in the		
	National Park		
	– Ensure proper cooking facilitie	s at the contractor's campsite	
		e discarded but contained and	
	disposed of at an appropriate		
		2	
	'	n signage to be placed in areas that	
		hydrocarbons and gas bottles)	
	 Control and reduce the poten 	tial risk of fire by segregating and	
	storing materials safely		
	 Avoid potential sources of igni 	tion by prohibiting smoking in and	
	around certain facilities		
	– Firefighting equipment should	always be at designated areas and	
	should be maintained and che	, ,	
Residual impact after	Low (2)		
mitigation			



Description	Details			
Aspect	Soil			
Description of activity	Drilling and the use of drilling equ	ipment.		
Description of impact		Loss of soil quality due to mixing of earth matter, trampling and		
	compaction.			
Assessment of impact	Receptor Soil			
	Effect/description of	Adverse		
	magnitude	Direct		
		Reversible		
		Moderate		
		Short term		
		On-site		
		Possible		
	Value of sensitivity	Low		
	Magnitude of change	Minor		
	Significance of impact prior to	Low (2)		
	mitigation			
Impact management/control measures	 Ensure erosion control and prevention measures are in place when vegetation clearance is required Where necessary, plan access routes, drill pads and camps outside of existing drainage lines Where necessary, install diversions to curb possible erosion Restore drainage lines when disturbed 			
Residual impact after mitigation	Low (1)			



Description	Detail				
Description of activity	Airborne surveying over the EPL, possible low flying				
Description of impact	Perceived impact from surveying activities on livestock and humans				
Assessment of impact	Receptor Community and livestock				
	Effect/description of	Adverse			
	magnitude	indirect			
		Reversible			
		Minor			
		Temporary			
		Local			
	Unlikely				
	Value of sensitivity	Low			
	Magnitude of change	Minor			
	Significance of impact prior to	Low (2)			
	mitigation				
Impact	- Two weeks prior to conductin	g aerial surveying, affected parties			
management/control	should be informed.				
measures	- The following information is	s to be included in the written			
	communication sent affected	parties:			
	 Company name, 				
	 Survey dates, time, and duration, 				
	 Purpose of the survey, 				
	 Flight altitude, 				
	 Survey location, Map of survey area and flight lines, and Contact details for enquiries. 				
	- Comply with all applicable laws and agreements				
	- Maintain continuous engagement with residents to identify any				
	concerns or issues, and appropriate mitigation and management				
	measures agreed upon				
	- Ensure appropriate supervisio	n of all activities			
	 Restrict surveying activities to daytime hours (7 am to 5 pm) 				
	weekdays and 7 am until 1 pr	n on Saturday unless there are no			
		ase normal weekday times would			
	apply)	inter would here would			
Residual impact after	Low (1)				
mitigation					



Description	Details				
Aspect	Heritage				
Description of activity	Drilling activities, movement of machinery and vehicles.				
Description of impact	Potential damage to cultural heritage sites.				
Assessment of impact	Receptor Heritage				
	Effect/description of	Adverse			
	magnitude	Direct			
		Partly Reversible			
		High			
		Permanent			
		On-site			
		Possible			
	Value of sensitivity	High			
	Magnitude of change	Minor			
	Significance of impact prior	Moderate (6)			
	to mitigation				
Impact	- Implement a Chance Find Pro	ocedure			
management/control	– Raise awareness about possi	ble heritage finds			
measures	- Report all finds that could be	of heritage importance			
	– In case archaeological remair	ns to be uncovered, cease activities			
	and the site manager must a	ssess and demarcate the area			
	- Project manager to visit the	site and determine whether work			
	can proceed without dama	age to findings, mark exclusions			
	boundary and inform ECC wi	th GPS position			
	– If needed, further investig	ation must be requested for a			
	professional assessment and the necessary protocols of the				
	Chance Find Procedure must be followed,				
	– Archaeologist will evaluate th	ne significance of the remains and			
	-	(record and remove; relocate or			
		on the nature and value of the			
	remains),				
	 Inform the police if the rema 	ins are human,			
		e or approval from the competent			
		cover and remove the remains to			
		National Forensic Laboratory as			
	directed.	,			
		hay resume once the green light is			
	given by the relevant compet	, , , , , , , , , , , , , , , , , , , ,			
Decidual imment of					
Residual impact after	Minor (4)				
mitigation					



Description	Details			
Aspect	Community			
Description of activity	 Drilling activities, resulting into dust emissions Windblown dust from exposed/cleared land during exploration activities 			
Description of impact	Visual disturbance and loss of se	ense of place.		
Assessment of impact	Receptor	Community		
	Effect/description of	Adverse		
	magnitude	Direct		
		Reversible		
		Moderate		
		Temporary		
		Local		
		Likely		
	Value of sensitivity	High		
	Magnitude of change	Minor		
	Significance of impact prior	Moderate (6)		
	to mitigation			
Impact	 Apply dust suppression when 	re possible		
management/control	 Restrict speed of vehicles (<3) 	0km/h)		
measures	– Specific activities that may	generate dust and impact nearby		
	farmers or tourists.			
	- Dust generating activities should be avoided during strong wind			
	eventsAll vehicles and machinery / equipment to be shut down or			
	throttled back between periods of use			
		ed if drilling occurs in locations that		
		's livestock or tourists passing by		
	along the dirt roads.			
		icable need to be informed at least		
	two weeks in advance that di	rilling operations are within 1km of		
	their property			
	 Maintain good housekeeping 	5		
	– Continuous engagement witl	h residents to identify any		
	concerns or issues, and appr			
	management measures agreed upon.			
Residual impact after	Minor (4)			
mitigation				



Description	Details				
Description of activity	Movement of vehicles, exploration activities				
Description of impact	Presence of exploration team can be blamed for stock theft and				
	poaching.				
Assessment of impact	Receptor Community				
	Effect/description of	Adverse			
	magnitude	Cumulative			
		Reversible			
		Minor			
		Temporary			
		Local			
		Unlikely			
	Value of sensitivity	Low			
	Magnitude of change	Low			
	Significance of impact prior	Low (1)			
	to mitigation				
Impact	– Develop and implement an operation manual or procedures				
management/control	to work on farmlands				
measures	 Implement monitoring programmes and keep register of 				
	vehicle movement.				
		– Maintain continuous engagement with residents to identify			
		appropriate mitigation and			
	management measures agr				
	 Ensure appropriate supervi 				
		ize employees about contentious			
	issues such as stock theft a				
		ed to be reported to the project			
	manager and recorded in t	he incident register			
Residual impact after	Low (1)				
mitigation					



Description	Details			
Aspect	Community			
Description of activity	Exploration activities	Exploration activities		
Description of impact	Promotes job creation, skills development, and opportunities for the local economy.			
Assessment of impact	Receptor	Community		
	Effect/description of	Beneficial		
	magnitude	Direct		
		Reversible		
		Minor		
		Short term		
		Local		
		Possible		
	Value of sensitivity	Low		
	Magnitude of change	Low		
	Significance of impact	Low (2)		
	prior to mitigation			
Impact	– As far as possible promote	e local procurement		
management/control	– Enhance the development of local skills where possible			
measures				
Residual impact afte mitigation	r Low Beneficial			



8 ENVIRONMENTAL MANAGEMENT PLAN

The preliminary EMP for the proposed project is presented in Appendix A. It provides management options to ensure the potential impacts of the proposed project are minimised. An EMP is a tool used to take pro-active action by addressing potential problems before they occur. This should limit the corrective measures needed, although additional mitigation measures might be included if necessary.

The management measures should be adhered to during all stages of the exploration activities. All personnel involved in the exploration activities should be taught the content of the EMP to ensure all activities are conducted in an environmentally responsible manner. The objectives of the EMP are:

- To include all components of the development and operations of the project.
- To prescribe the best practicable control methods to lessen the environmental impacts associated with the project.
- To monitor and audit the performance of operational personnel as it relates to the EMP; and
- To ensure that appropriate environmental training is provided to responsible operational personnel.



9 CONCLUSION

ECC's impact assessment methodology was used to conduct the environmental and social impact assessment for the proposed exploration activities on EPL 8792. This Scoping Report identified several potentially significant impacts that could arise from the proposed project.

Through the scoping process, it was determined that the only risk to the environment is related to cumulative impacts resulting from physical disturbance and noise. Impacts related to airborne dust are expected to be limited to vehicular traffic and drilling activities and these impacts will be localised and short lived. There will also be some release of exhaust fumes from machinery which may impact the immediate vicinity, but this will be of short duration. Additionally, drilling and machinery noise, could be a disturbance local resident, but this will also be of short duration as well. The analysis of the potential impacts and development of mitigation and management methods, the assessment concludes that the likely significance of effects on humans from the cumulative impacts of physical disturbance, noise, dust, and emissions will be temporary and result in a qualitative reduction in the sense of place. As such, these impacts are designated as having minor significance after mitigations are implemented.

Due to increased movements and presence of people, there is a potential threat of illegal and covert activities such as poaching, and collection of organisms. Through this investigation the significance of both impacts is indicated as moderate. However, numerous mitigation measures, with proven national success, exist for both impacts which reduce the significance to minor.

Heritage sites may exist around the EPL, and all precautions will be taken to prevent damage to heritage sites, due to of the exploration activities. The chance find procedure will be implemented in such a case and with the necessary mitigation measures in place, the significance of impacts reduces from moderate to minor.

All other social and environmental receptors that were scoped out as potentially significant impacts were deemed unlikely and therefore no further assessment was considered necessary. Various best practices and mitigation measures have been identified to avoid and reduce effects as far as reasonably practical. This will ensure that the environment is protected, and unforeseen effects and environmental disturbances are avoided.



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APPENDIX A – ENVIRONMENTAL MANAGEMENT PLAN



APPENDIX B – BACKGROUNG INFORMATION DOCUMENT



APPENDIX C – NEWSPAPER ADVERTS

Published in the Republikein, The Namibian Sun and the Allgemeine Zeitung on the 17th October 2022 and 24th October 2022.











APPENDIX D – SITE NOTICES





APPENDIX E – STAKEHOLDER LETTERS

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ECC-79-421-LET-08-A 10 May 2023

RECEIVED BY OFFICIAL STAMP			
Signature:			
Date:	1	1	

P. O Box 21164

Windhoek

Namibia

IDENTIFIED STAKEHOLDER AND POTENTIALLY INTERESTED PARTY FOR:

The proposed exploration activities on EPL 8792 for Nuclear Fuels within the Erongo Region, Namibia.

RE - NOTIFICATION OF AN ENVIRONMENTAL ASSESSMENT OF THE PROPOSED EXPLORATION ACTIVITIES FOR NUCLEAR FUELS WITHIN EPL 8792, ERONGO REGION, NAMIBIA.

Dear Mr. Gaseb,

Environmental Compliance Consultancy (ECC) has been engaged by Marenica Ventures (Pty) Ltd (part of the Elevate Uranium Limited group of companies), the Proponent, as their environmental assessment practitioner to conduct the environmental clearance certificate application process in terms of the Environmental Management Act, No. 7 of 2007 for the proposed exploration activities for nuclear fuels within EPL 8792. The proposed Project is in the Erongo district, east of Henties Bay. The EPL can be accessed via the B1914 between Arandis and Henties Bay.

This letter is intended to engage potentially Interested and Affected Parties (I&APs) for the Project and provides a communication channel to ECC whilst the ESIA is ongoing. You have been identified as an interested or affected party and therefore ECC wishes to inform you of how you can interact with the ESIA.

The Proponent proposes to explore for nuclear fuels on EPL 8792 (Marenica West) using standard exploration methods such as geochemical surveys, ground and airborne geophysical surveys (e.g. HLEM surveys to define paleochannels and airborne radiometric surveys) and RC, RAB and diamond drilling to provide samples for density determination, mineralogical study, geochemical and disequilibrium analysis.

Public participation is an important part of the ESIA process, as it allows the I&APs to obtain information about the proposed project and provide feedback. Communication with the I&APs occurs at various stages throughout a project lifecycle including:

- Advertising in newspapers; public notice boards; public meeting(s);
- Distributing a Background Information Document (BID) to identified I&APs; available online at (https://eccenvironmental.com/projects/)

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- Registered I&APs will also be informed of the available draft scoping report for a review period, during this period I&APs will have the opportunity to review the draft document and raise any issues or concerns; and
- I&APs who wish to register as such must do so on the ECC website as per the link provided below: https://eccenvironmental.com/download/the-proposed-exploration-of-nuclear-fuels-on-epl-8728-8792-and-8795-erongo-region-namibia/.
- If you are unable to complete the registration form online, please contact us via email for assistance at <u>info@eccenvironmental.com</u>.

Should you have any questions or require additional information, please do not hesitate to contact either of us.

Yours sincerely,

Stephan Bezuidenhout stephan@eccenvironmental.com

Jessica Bezuidenhout Mooney jessica@eccenvironmental.com

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Dear Mr. Gasel	b,			
	attached stakeholder letters in connection with the Exploration activities for Nuclear Fuels in Erongo Region, Namibia. r questions please do not hesitate to contact me via email.			
Kind regards,				
 Kelly Ochs				
	Compliance Consultancy (ECC)			
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	ECC NVIRONMENTAL MARLIANCE COMBULTANCY			
by the intended message in erro	Compliance Consultancy Notice: This message and any attached files may contain information that is confidential and/or subject of legal privilege I recipient. If you are not the intended recipient or the person responsible for delivering the message to the intended recipient, be advised that you or and that any dissemination, copying or use of this message or attachment is strictly forbidden, as is the disclosure of the information therein. If y or please notify the sender immediately and delete the message	have recei	ved this	5

2 Attachments • Scanned by Gmail 🛈

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APPENDIX F – EAP CV