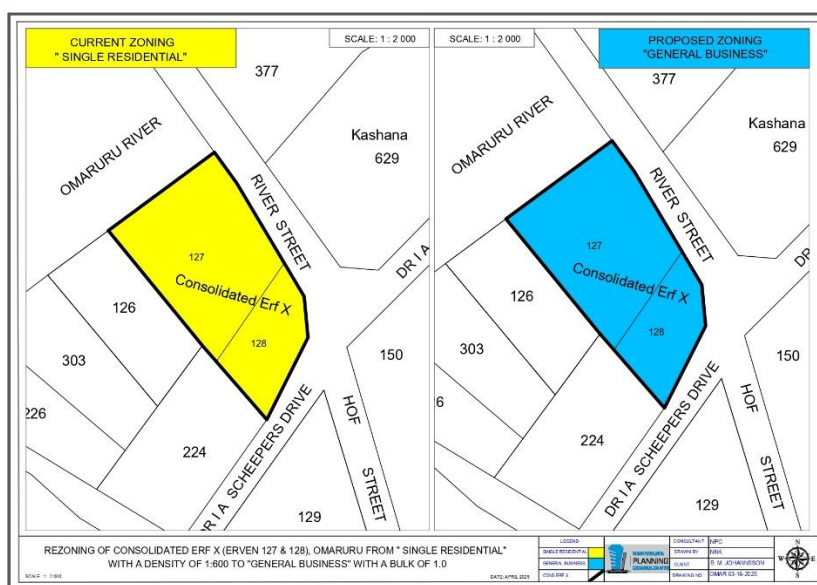


ENVIRONMENTAL IMPACT ASSESSMENT SCOPING REPORT

REZONING OF CONSOLIDATED ERF X (ERVEN 127 AND 128), OMARURU FROM “SINGLE RESIDENTIAL” WITH A DENSITY OF 1:600 TO “GENERAL BUSINESS” WITH A BULK OF 1.0.



JUNE 2025

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Proponent:

| Name | Position/ Role | Address |
|---------------------|-----------------------|------------------|
| Benedikt Johannsson | Proponent | Erf 127, Omaruru |

LIST OF ABBREVIATIONS

| TERMS | DEFINITION |
|--------------|--|
| EIA | Environmental Impact Assessment |
| EMP | Environmental Management Plan |
| DEA | Department of Environmental Affairs |
| PPPPs | Projects, Plans, Programmes and Policies |
| NDC | Namibia Development Consultants |
| SANS | South African National Standards |
| I&APs | Interested and Affected Parties |
| PM | Particulate Matter |
| NPC | Nghivelwa Planning Consultants |
| GRN | Government of the Republic of Namibia |

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1. INTRODUCTION

1.1 Project Overview

Benedikt Mar Johannsson, the owner of Erven 127 and 128, Omaruru has decided to consolidate the two erven and subsequently rezone them from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0. The proposed consolidation and rezoning will allow for the owner to formalize and extend a guest house already operating on the subject properties.

Erven 127 and 128, Omaruru are currently zoned as a “Single Residential” with a density of 1:600 and are situated in the center of Omaruru Town. The owner has been operating a guesthouse on the property for a long time and is keen on formalizing the use of his properties. The change in land use from residential to commercial use is a listed activity and a statutory town planning and environmental management procedure for the consolidation and subsequent rezoning of land from residential to commercial purposes must be carried out.

Nghivelwa Planning Consultants, a Town and Regional Planning and Environmental Management Consultancy firm has been appointed to conduct an Environmental Impact Assessment and Environmental Management Plan (EMP) for the Consolidation of Erven 127 and 128, Omaruru to form Consolidated Erf X and subsequent rezoning of Consolidated Erf X (Erven 127 and 128), Omaruru from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0. The Environmental Impact Assessment has been conducted to meet the requirements of the Namibia’s Environmental Management Act (No. 7 of 2007).

An EIA may be defined as: a formal process to predict the environmental consequences of human development activities and to plan appropriate measures to eliminate or reduce adverse effects and to augment positive effects.

Thus, an EIA has three main functions:

- To predict environmental problems,
- To find ways to avoid environmental problems, and
- To enhance positive effects.

1.2 Terms of Reference

The Rezoning of Consolidated Erf X (Erven 127 and 128), Omaruru from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0. is a listed activity that cannot be undertaken without an Environmental Clearance Certificate. Therefore, as part of the commissioning process an Environmental Impact Assessment (EIA) is required. Thus, it was necessary for proponent to appoint Nghivelwa Planning Consultants to provide environmental

management consultancy services to undertake an environmental impact assessment to comply with the Environmental Management Act, 2007 (Act no. 7 of 2007).

The Terms of Reference (ToR) for the consultants were, but not limited to the following:

- The collection of all possible data on the environmental, social and natural resource components and necessary parameters.
- A description of the location of the proposed project including the physical area that may be affected by the project activities.
- Description of the design of the proposed project.
- Description of the activities that will be undertaken during the project construction, operation and decommissioning phases.
- Listing of the materials to be used, products and by products, including waste to be generated by the project and the methods of disposal.
- Identification of the potential environmental impacts of the proposed project and
- The mitigation measures to be taken during and after implementation of the project.
- Accidents during the project cycle.
- Establishment of a plan to ensure the health and safety of the workers and neighboring communities.
- Identification of the economic and socio-cultural impacts of the proposed project.
- Economic and social analysis of the project including project risk and measures to mitigate them.
- Establishment of an action plan for the prevention and management of possible impacts (EMP).
- The consultant will prepare recommendation on the project for its future use.

1.3 Acknowledgement

Nghivelwa Planning Consultant has prepared this EIA Report on behalf of the proponent, Benedikt Mar Johannsson. The proponent has provided the necessary information and documents and the necessary guidance during the project undertaking and during the preparation of this report. The Consultant (Nghivelwa Planning Consultant) acknowledges the contribution provided by the proponent and support and interest shown by all the identified stakeholders.

1.4 DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER

This EIA Report was prepared by the following Environmental Practitioners:

| Name of representative of the EAP | Education qualifications | Professional affiliations |
|-----------------------------------|---|--|
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Table 1: EAP's

2. EIA METHODOLOGY

The objective of the assessment of impacts is to identify and assess all the significant impacts that may arise from the undertaking of an activity and the findings used to inform the competent authority's decision whether the activity should be approved, approved subject to conditions that will reduce the impacts to within acceptable levels or should be rejected. In this sense impacts are defined as the changes in an environmental or social parameter that result from undertaking the proposed activity. The following general methodology was used in this EIA for the proposed rezoning from residential to commercial activities and to investigate its potential impacts on the social and natural environment.

The key activities undertaken during the assessment included the following:

2.1 Establishment of the environmental baseline

The study and description of the receiving environment on which the proposed project is to be implemented. Thus, it involved a site visit, physical inspection of the study area's soil, biology, topography, animal species, water resources, climate and the local socio-economic environment.

2.2 Impact analysis

This involves the identification of impacts that are usually associated with the construction, operation or maintenance and decommissioning of the proposed activity and are generally obvious and quantifiable. These impacts were analyzed and evaluated.

2.3 Impacts mitigation

This involves the identification of the impacts and once impacts have been identified and predicted for a particular activity, then appropriate mitigation measures need to be established. Mitigation measures are the modification of certain activity in such a way as to reduce the impacts on the physical- and socio-economic environment. The objectives of mitigation are to:

- Find more environmentally sound ways of doing things.
- Enhance the environmental benefits of a proposed activity.
- Avoid, minimize or remedy negative impacts; and ensure that residual negative impacts are within acceptable levels.

Furthermore, impacts associated with all the stages of the proposed project were identified and mitigated. An Environmental Management Plan has been prepared as framework for mitigation of impacts and environmental monitoring of the project.

2.4 Review of alternatives

This entailed a review of the alternatives to the proposed project. This was aimed at determining better ways of avoiding or minimizing environmental impacts while still realizing the project goals. The review of alternatives provided opportunities for environmental enhancement. There were no alternatives identified for this project as the proponent does not have additional land in Omaruru, and a guesthouse is already constructed on the subject properties.

2.5 Public Participation Process (PPP)

This process for the public participation was done by informing the relevant stakeholders and interested and affected parties. Advertisements for the public to participate and raise their concerns on the proposed project were placed in two (2) local newspapers of the New Era and Confidante of the 2nd and 9th May 2025. The public and interested and affected parties were invited to provide comments on the proposed project and no interested or affected party registered any comments. Due to the small-scale nature of the project and lack of interest, a public meeting about the proposed development and its potential impact on the environment was deemed unnecessary.

3. POLICY AND OTHER RELEVANT LEGISLATION

| SUBJECT | INSTRUMENTS AND CONTENT | APPLICATION TO THE PROJECT |
|--|---|---|
| The Constitution of the Republic of Namibia | General human rights – eliminates discrimination of any kind The right to a safe and healthy environment Affords protection to biodiversity | Ensure these principles are enshrined in the documentation of the project |

| | | |
|---|---|---|
| Environmental Management Act EMA (No 7 of 2007) | Requires that projects with significant environmental impact are subject to an environmental assessment process (Section 27). Details principles which are to guide all EAs. | Ensure that the rezoning is carried out within the parameters of the Act. |
| Environmental Impact Assessment (EIA) Regulations GN 28-30 (GG 487 | Details requirements for public consultation within a given environmental assessment process (GN 30 S21). Details the requirements for what should be included in a Scoping Report (GN 30 S8) and an Assessment Report (GN 30 S15). | Ensure that the rezoning of land aligns with the EIA regulations. |
| Forestry Act No 27 of 2004 | Provision for the protection of various plant species | Some species that occur in the area are protected under the Forestry Act and a permit is therefore required to remove the species |
| Hazardous Substances Ordinance 14 of 1974: | Control of substances which may cause injury or ill-health or death of human beings because their toxic, corrosive, irritant, strongly sensitizing or flammable nature | The waste generated on site and at the campsite should be suitably categorised/classified and disposed of properly and in accordance with the Measures outlined in the Ordinance. |
| The Nature Conservation Ordinance (No. 4 of 1975) | Prohibits disturbance or destruction of protected birds without a permit. Requires a permit for picking (the definition of “picking” includes damage or destroy) protected plants without a permit | Protected plants will have to be identified during the planning phase of the project. In case there is an intention to remove protected species, then permits will be required. |
| Forestry Act 12 of 2001 Nature Conservation Ordinance 4 of 1975 | Prohibits the removal of any vegetation within 100 m from a watercourse (Forestry Act S22(1)). Prohibits the removal of and transport of various protected plant species. | Even though the Directorate of Forestry has no jurisdiction within townlands, these provisions will be used as a guideline for conservation of vegetation. |
| Convention on Biological Diversity, 1992 | Protection of biodiversity of Namibia | Conservation-worthy species not to be removed if not necessary. |

| | | |
|---|---|--|
| Water Resources Management Act 11 of 2013 | The Act provides for the management, protection, development, use and conservation of water Resources; to provide for the regulation and monitoring of water services. | Obligation not to pollute surface water bodies |
| National Heritage Act 27 of 2004 | Section 48(1) states that “A person may apply to the [National Heritage] Council [NHC] for a permit to carry out works or activities in relation to a protected place or protected object | Any heritage resources (e.g. human remains etc.) discovered during construction requires a permit from the National Heritage Council for relocation |
| Labour Act 11 of 2007 | Details requirements regarding minimum wage and working conditions (S39-47). | Employment and work relations |
| Health and Safety Regulations GN 156/1997 (GG 1617 | Details various requirements regarding health and safety of labourers. | Protection of human health, avoid township establishment at areas that can impact on human health. |
| Public Health Act 36 of 1919 | Section 119 states that “no person shall cause a nuisance or shall suffer to exist on any land or premises owned or occupied by him or of which he is in charge any nuisance or other condition liable to be injurious or dangerous to health.” | Ensure that all contractors involved during the construction, operation and maintenance of the proposed project comply with the provisions of these legal instrument |
| Water Resources Management Act 11 of 2013 | Prohibits the pollution of underground and surface water bodies (S23(1)). Liability of clean-up costs after closure/ abandonment of an activity (S23(2)). | The protection of ground and surface water resources should be a priority. The main threats will most likely be concrete and hydrocarbon spills during construction and hydrocarbon spills during operation and maintenance. |
| Urban and Regional Planning Act no 5 of 2018 | Details the functions of the Urban and Regional Planning Board including their consideration when assessing an application for the permanent closure of public open spaces and subsequent rezoning (S3) | The proposed change in land uses should be informed by environmental factors such as water supply, soil etc. as laid out in Section 3 of the act. |

| | | |
|--|---|---|
| Local Authorities Act no 23 of 1992 | Details the procedures to be followed for the provision of municipal services in Local Authority Areas. | The provision of municipal services should be in line with the use of land. |
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Table 2: Relevant legislation

4. NEED AND DESIRABILITY OF THE PROPOSED PROJECT

Benedict Mar Johannsson, a local businessman from Omaruru and the owner of Erven 127 and 128, Omaruru has been operating a guest house on the two properties for the past 40 years. He recently realized that to yield maximum benefits from his properties, the two erven must be consolidated and subsequently rezoned from residential to commercial use. This realization culminated in the Consolidation of Erven 127 and 128, Omaruru into Consolidated Erf X and subsequent rezoning of Consolidated Erf X (Erven 127 and 128), Omaruru from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0.

The change in land use from residential to commercial purposes will help the owner to obtain the necessary approvals required to extend the guesthouse to accommodate more guests and to offer better services to his guests. Thus, the proposed change in land use will seek to formalize the land use of the properties to the benefit of both the owners, the employees and the Omaruru Municipality.

The change in land use from residential to commercial purposes is expected to generate further economic activity in the surrounding area that will create additional employment opportunities and change the livelihoods of the local community. The guesthouse will have minimal impact on the natural environment as it is situated in an already built-up area and additional buildings to be constructed will not be beyond the boundaries of the current properties.

5. SCOPE OF THE EIA

The objectives of the scope of the EIA were to ascertain key issues of the environmental impacts that are likely to be important during all the phases of the Project. Relevant environmental data has been compiled by making use of primary data which was collected during the site assessment done on the 30th of April 2025 and by using secondary data already available. Potential environmental impacts and associated social impacts were identified and addressed in this report.

The operational phase of the proposed change in land use from residential to commercial activities will involve.

- The preparation of the site, including excavations
- The maintenance of the Erf by proponent.

The Environmental Impact Assessment study report includes an impact assessment and mitigation measures for the phases of the proposed project following:

- The field investigations (site assessment).
- Identifying and involving all stakeholders in the Environmental Impact Assessment process by expressing their views and concerns on the proposed project.
- Identify all potential significant adverse environmental and social impacts of the project and recommend mitigation measures to be well described in the Environmental Monitoring Plan (EMP);
- Coordination with the proponent, regarding the requirements of law of Namibia's Environmental Management Act (No. 7 of 2007) and other relevant policies and administrative framework.
- To define the Terms of Reference for the Environmental Impact Assessment study.
- A review of the policy, and relevant legislation.
- To provide overall assessment information of the social and biophysical environments of the affected areas by the proposed development.

6. DESCRIPTION OF THE PROPOSED ACTIVITY

The proposed activity is for the Consolidation of Erven 127 and 128, Omaruru into Consolidated Erf X and subsequent rezoning of Consolidated Erf X (Erven 127 and 128), Omaruru from "Single Residential" with a density of 1:600 to "General Business" with a bulk of 1.0. The activity involves the change of land use of the subject properties from residential to commercial uses and does not include the construction of additional buildings.

It also includes the maintenance of the site during the operational phase such as waste disposal and noise pollution as well as maintenance of the afore-mentioned municipal services. The Erven are already connected to the municipal services of Omaruru, and they will obtain access from the adjacent street that is already constructed. Thus, there will be no construction of bulk municipal services for this development.

There existing erven are already connected to the existing bulk services, and the water-borne sewage is connected to the sewerage reticulation system of Omaruru, the harmful affluent that will be created will be channeled to the Omaruru sewer water storage and treatment plant provided by Omaruru Municipal Council. The land is currently developed and the fauna or flora that is found on the properties is already accommodated by the development. Thus, the proposed commercial development will not have any negative impacts on the natural environment.

6.1 Location and land ownership

Erven 127 and 128, Omaruru are currently owned by the Benedikt Mar Johannsson and currently measure $\pm 6\,323\text{m}^2$ and $\pm 2\,484\text{m}^2$ in extent, respectively. They are situated in Omaruru Town, Omaruru Constituency, Erongo Region as shown in Figure 1 below. There is currently a guesthouse constructed and operating on the subject properties. The subject properties are located in the center of Omaruru town and their GPS coordinates Latitude: -21.422094° , Longitude: 15.955074° .

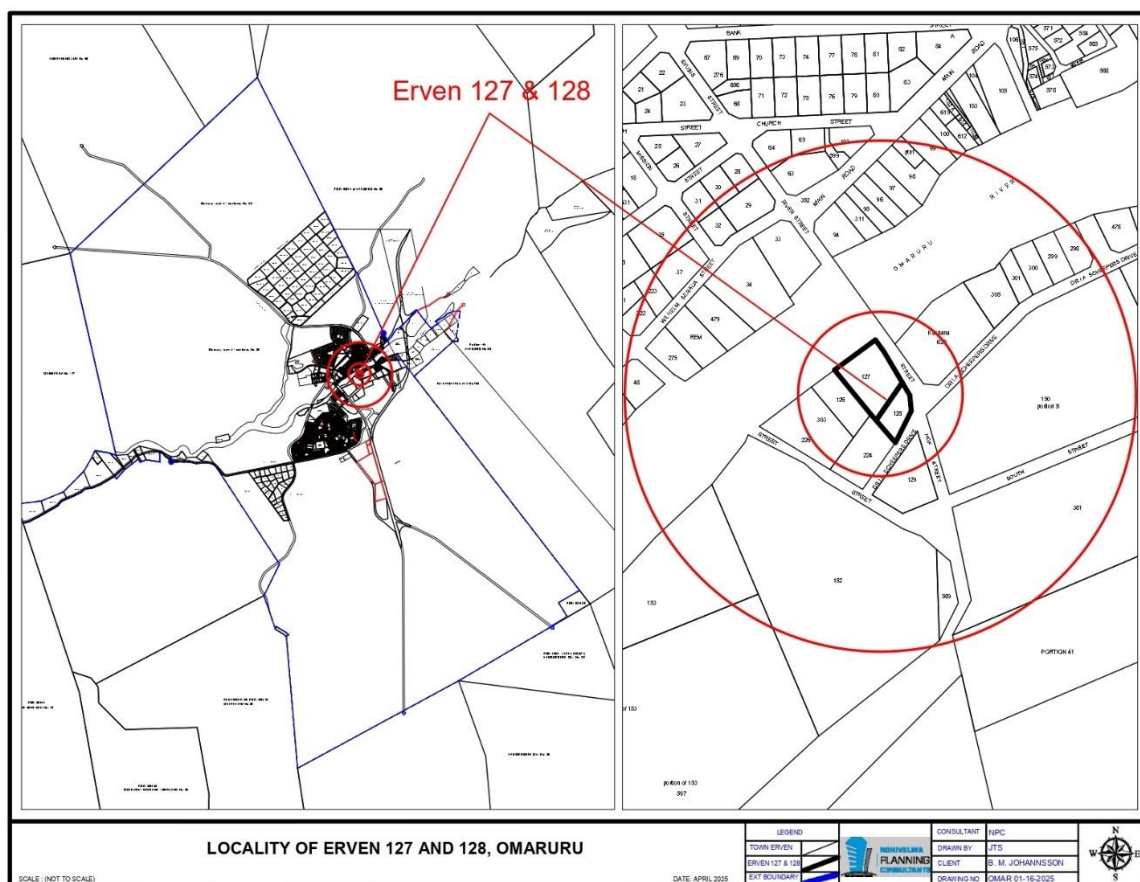


Figure 1: Locality plan of Erven 127 and 128, Omaruru

6.2 Ownership

Erven 127 and 128, Omaruru are owned by Benedikt Mar Johannsson and as the proponent, will be managing the project during both phases.

6.3 Description of the site

- The site is sloping to the northwest due to the Omaruru River located in that direction.

- Although no characteristics of ground slope instability were observed on site, there is a possibility of flooding along the northwestern edge of the property during abnormal heavy rain seasons.
- There was no ground surface water during the site investigation as the river is seasonal and only runs during the rainy season.
- There is minimal erosion in some areas that is caused by seasonal floods.
- Medium excavations can be expected but no blasting operations are foreseen.

6.5 Description of the proposed project

The proponent desires to formalize a guesthouse that is operating on the residential zoned Erven 127 and 128, Omaruru. For the formalization to be completed a town planning and environmental management exercise for the consolidation of Erven 127 and 128, Omaruru into Consolidated Erf X and subsequent rezoning of Consolidated Erf X (Erven 127 and 128) Omaruru from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0 is necessary is necessary.

6.6 Proposed Project Activities

The proposed development entails the change of land use of Erven 127 and 128, Omaruru from “Residential” to “Commercial” use. The rezoning plans are shown in figure 2 below.

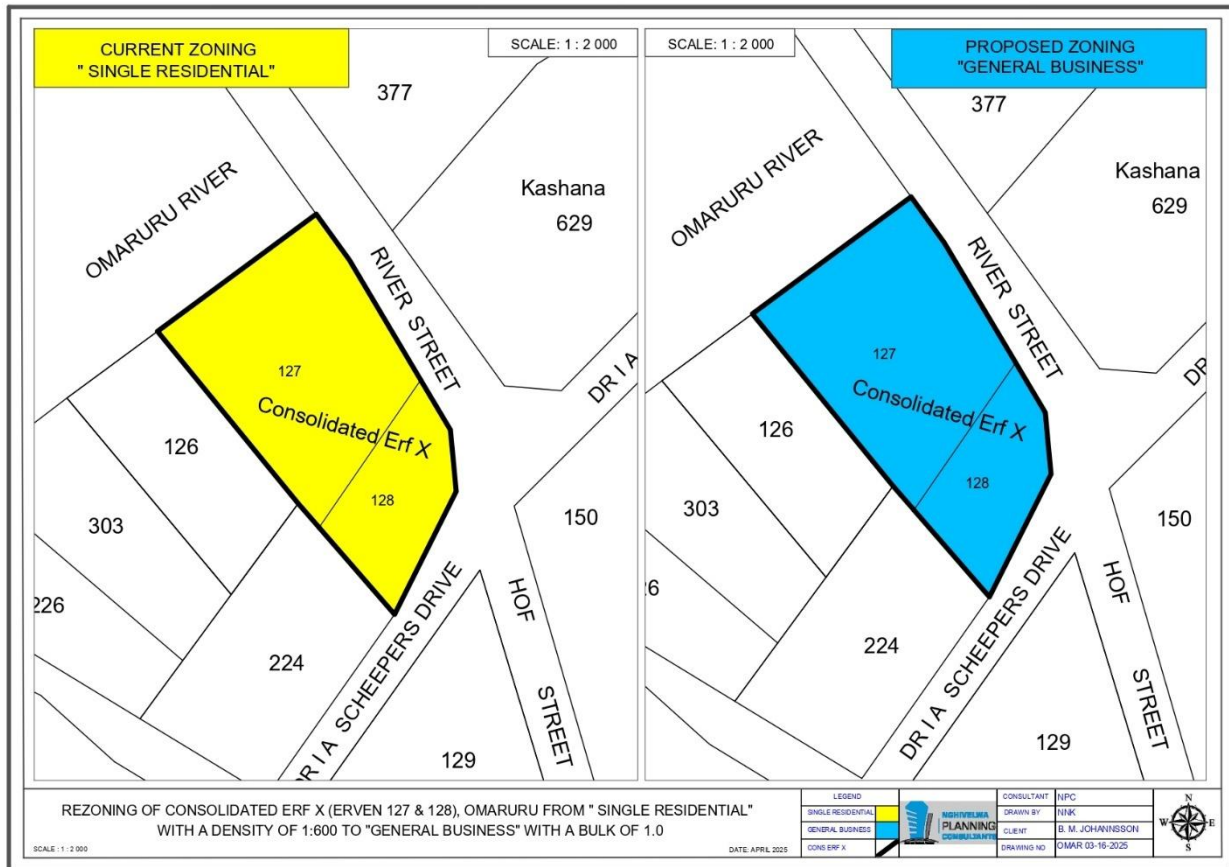


Figure 2: Rezoning of Erven 127 and 128, Omaruru

6.7 Engineering Services

The proponent is proposing changing the land use of his properties from residential to commercial purposes and upon the completion of the town planning and environmental management exercise the newly rezoned business erven will accommodate the existing guesthouse. The proposed erven are already connected to the bulk engineering services as per the standard engineering requirements.

6.7.1 Bulk Infrastructure

The bulk services are already available for this development and no additional construction of bulk services is expected.

a) Water

The existing bulk water infrastructure is sufficient to accommodate the proposed development.

b) Sewerage

The existing sewer reticulation system of Omaruru is sufficient for the proposed development and no additional construction of bulk sewer water reticulation is expected.

c) Electricity

The proposed erven are already connected to the electrical network of Omaruru.

d) Storm water

A storm water drainage system has already been constructed, and storm water will be channeled along the streets of Omaruru. No additional stormwater drains will be constructed for this project.

e) Waste Produced

The waste to be produced from the properties will be disposed of by the proponent and waste generated by the operation of the businesses will be handled by Omaruru Municipality and disposed of at an approved waste disposal site.

f) Roads

No additional road construction will take place because of this development.

6.7.2 Blasting

No blasting is to be carried out during the construction of additional buildings as the soil in the area is not rocky and does not require blasting activities.

6.8 Phases of the project

The project will consist of three (2) phases, namely the operational and possible decommissioning phase.

6.8.1 Activities during the operation and maintenance phase

During this phase, Omaruru Municipality and the proponent will be responsible for the following:

- Maintenance of the site, such as waste disposal.
- Controlling the noise pollution in the area.
- Maintenance of the bulk municipal services.

- Maintenance of roads, sewerage and electricity infrastructure.
- Collection of rates and taxes.

6.8.3 Activities at the decommissioning phase

At this stage of the project, it is deemed unnecessary to decommission the project because the owner does not foresee the erven having a different land use other than the commercial one and thus can accommodate the proposed development. Therefore, there will be no need for decommissioning the project.

7. BASELINE DATA

7.1 Climate and Temperatures

Omaruru has an arid, hot, and dry climate with very low rainfall, classified as BWh under the Köppen-Geiger system. The region experiences significant temperature fluctuations, with cold nights during the winter months (June to August) and warm temperatures from September to February.

The mean yearly temperature observed in Omaruru is recorded to be 22.1 °C while the annual rainfall is 316 mm. The commencement of summer is observed at the conclusion of December and its culmination takes place in March.

7.2 Geology, Topography and drainage

The geology of the Omaruru area is characterized by rocks from the Damara Eugeosyncline, which underwent intense metamorphism and granitization approximately 500 million years ago. This process resulted in the formation of various granitic rocks and economically important mineral-bearing pegmatites, which contain lithium, beryl, and bismuth. The area is also notable for being part of the Omaruru Lineament Zone, which has influenced the formation of structures like the Erongo Mountains.

The topography around Omaruru is characterized by a generally flat to gently undulating landscape on the Central-Western Plains, with elevations rising gradually from west to east. The region is part of Namibia's central plateau and is dominated by the dry Omaruru River catchment, which has carved a landscape shaped by erosion over time. Nearby prominent features include the Erongo Mountains to the south-east, and to the west lies the narrow coastal plain that separates the plateau from the Atlantic Ocean.

The area has sensitive alluvial environments, particularly the Omaruru River Delta Aquifer system. This aquifer is a crucial groundwater source for several towns and mines in the Central Namib area.

The aquifer consists of several paleochannels, with the Main Channel (MC) being the only one with potable groundwater.

7.3 Vegetation

The vegetation around Omaruru is a mix of thornbush savannah and Namib desert vegetation, changing from west to east. The eastern part features a denser, bush-like environment with characteristic species like *Acacia* species, *Boscia albitrunca*, and grasses like *Anthephora pubescens*. The western part, closer to the coast, is more arid desert, with plants like the pencil bush (*Arthroerua leubnitzia*) and dollar bush (*Zygophyllum stapfii*). Lichen is also prevalent, especially in the more deserted regions.

7.4 Soils

The dominant soils around Omaruru include sandy and gravelly soils, especially in the surrounding plains, and colluvial soils (deposited by gravity) on the valley floors. The area is also characterized by soils derived from the weathered parent material of the local geological formations, such as the Damara Supergroup and Gariep Complex, and the soils may contain surface limestone deposits.

Dominant soil types and characteristics

Sandy and gravelly soils: These are prevalent in the plains around Omaruru. The soil profiles can be eroded, leaving behind a "pavement" of coarser material.

Colluvial soils: These soils accumulate in the valley floors, formed from material transported downslope from higher elevations. They can be a mix of materials and may even be partly alluvial in origin.

Soils from parent material: The area's geology, including the ancient Damara Supergroup and Gariep Complex, provides the underlying material from which soils develop through weathering.

Surface limestone: In some areas, deposits of surface limestone are found.

Eroded soils: Erosion is a significant process in the region. The thinness of the A-horizon (topsoil) is a common characteristic, as the finer, wind-blown material is lost.

Clay-rich deposits: While the area is generally sandy and gravelly, some clay-rich deposits are present in areas like the river valley.

8. SOCIO-ECONOMIC ENVIRONMENT

8.1 Demographics

Omaruru has an estimated population of approximately 10,670 (2023), with an older census data showing a population of 14,000 in 2011. The most common languages spoken are Oshiwambo, Afrikaans, and Damara/Nama. In 2001, the population was 8,577, with most people speaking Oshiwambo (38.8%), followed by Afrikaans (20.4%) and Damara/Nama (18.8%).

8.2 Economic activities

The economy of Omaruru is driven by agriculture, primarily livestock farming (goats and cattle), and the mining sector, which includes both large-scale and small-scale operations for dimension stones like marble and granite, as well as gemstones. Tourism is also a significant component, with the town serving as a hub and stop-over point for travelers visiting nearby attractions. Additionally, the economy includes a growing commercial sector focused on retail and potentially more industrial investment, supported by infrastructure development like housing programs.

8.3 Education Profile

Omaruru's education profile includes its administration within the Omaruru circuit of the Erongo Region, which oversees local schools. The town supports education from early childhood to tertiary levels through public and private institutions, such as the Taking Hands Educational Centre. Educational options also include vocational training and support for students with learning difficulties, as demonstrated by the Omaruru Children's Haven's support for university and vocational paths.

8.4 Employment Opportunities

By the year 2023, Omaruru had an unemployment rate of 32% according to the census. Nationally, unemployment increased to 36.9% in 2023, with youth unemployment at 44.4%.

8.5 Incomes

The main sources of income in Omaruru are wages and salaries and business/non-farming activities, which account for the largest portion of household income. Other significant income sources include pensions, cash remittances, and a smaller percentage from farming.

8.6 Health Profile

While a specific, recent HIV profile for Omaruru is not available, research conducted in the Omaruru district in 2017 found a high prevalence of HIV among women, with a study of HIV-positive women on ARVs showing no cervical cancer, though risk factors were discussed. General Namibian data from 2023 shows a national estimated HIV prevalence of 9.7% in adults aged 15-49.

9. ANALYSIS OF ALTERNATIVES

In terms of environmental impact assessment best practice, assessment of potential impacts from a proposed activity must include the assessment of alternatives. Assessment of alternatives is undertaken to identify the option that will minimise harm to the environment and may include site, technology and other alternatives, but must always include the option of not implementing the activity, known as the “no-go” alternative.

9.1 Alternative Site

The proponent has no other option of undertaking the proposed development in a different location other than the chosen site. This is because the land in question is privately owned and is located at strategic tourist node that is ideal for the development of a guesthouse.

Since the proposed portion of land is already earmarked for the development and has offered more advantages than disadvantage for the proposed development, there are no other alternatives to this site, Alternative 1, is the only site that is identified for the development of a guesthouse. Therefore, no alternative site has been identified or considered during this study.

The following reasons justify the use of the proposed site for the development:

- The land is privately owned;
- The land is already used as a guesthouse;
- The site is already connected to municipal services;
- The development will create employment and opportunities for local people;
- The development will stimulate the economy of Omaruru.
- The development will promote orderly and sustainable development in the town.

9.2 The “No Project” Alternative

The No-Go Option is the option not to proceed with the activity, implying a continuation of the current status quo. Therefore, the No-go Alternative would mean that the proposed rezoning of the erven from residential to commercial purposes and the establishment of an guesthouse will not go ahead.

Should the proposed development not take place, the owners will not be able to formalize their property and thus won't have access to financing the project, it will not stimulate the town's economy and will not employ additional people. This can have long term negative effects on the social stability of the town and the surrounding areas. From the environmental-socio-economic point of view, no project option is the least preferred option due to the following factors:

- The land will not be formalized thus the owner won't have access to financing.
- The municipality will not levy the correct rates and taxes on the property.
- Statutory requirements will not be met to the detriment of the owner, municipality and the public.
- Tourists will have less accommodation facilities when visiting the town.
- No employment opportunities will be created for the locals.
- Poverty will not be eradicated in terms of job creation.
- The local skills would remain underutilized.

This is therefore not a desirable alternative.

10. PUBLIC PARTICIPATION PROCESS (PPP)

This section of the report provides details of Public Participation Process (PPP) undertaken in the compilation of the EIA scoping report. In terms of Section 26(1)(h) of the Namibian Environmental Assessment Regulations (2012), it is a requirement to provide details of the public participation process conducted in accordance with Section 32 of the Environmental Assessment Regulations.

Furthermore, the Public Participation forms an important component of this EIA. It has been defined by the Ministry of Environment and Tourism that an Environmental Assessment Regulations (2012) of the Environmental Management Act (2007), as a process in which potential interested and affected parties such as service providers, traditional leaders, local authorities, environmental groups, village councils and communities, to comment on the potential environmental impacts associated with the proposed project are given an opportunity to comment on, or raise issues relevant to the proposed project and its benefits to the nation and its economy.

Apart from these legal requirements, Consultations with the public and other relevant stakeholders to ensure that their inputs are considered during the decision-making process was carried out as per the EIA regulations.

10.1 Aims of the Public Participation Process (PPP)

The aims of the Public Participation Process are but not limited to:

- Informing Interested and Affected Parties (I&APs) of the proposed project.
- Identifying issues, comments and concerns as raised by I&APs.

- Promoting transparency and an understanding of the project and its consequences.
- Serving as a structure for liaison and communication with I&APs; and
- Providing local knowledge and input in identifying potential environmental (biophysical and social) impacts and “hotspots” associated with the proposed development.

10.2 Compilation of stakeholder database

The first step in the Public Participation Process (PPP) is to identify key stakeholders. A stakeholder database was compiled and the target groups for this project were invited to comment on the proposed development, the following were invited to Comment:

- Omaruru Municipality (as the approving authority for town planning projects and service provider for bulk services).
- General public

Please note that some of the interested and Affected Parties are also consulted during the town planning process of the consolidation and rezoning of the proposed erven.

10.3 Background Information Document

This document provides a short summary of the project and the EIA process. Therefore, a background information document (BID) was prepared and was ready to be distributed to Interested & Affected Parties. After all stakeholder and I&Ap’s where informed none of them requested for the Background Information Document (BID). See a copy of the BID attached.

10.4 Notification of I&Aps

The requirements for the notification of potentially interested and affected parties of this application are set out in detail in section 32(2)(b) of the EA regulation. These requirements have been addressed and include;

- Forwarding letters to government authorities and other identified relevant stakeholders.
- Fixing a notice at a place conspicuous to the public in English.
- Placing advertisements twice in at least two local newspapers.

10.5 Advertisement

The advertisement of the public participation and submission of comments for the proposed project were placed in two national newspapers circulating in Omaruru, the New Era and Confidente Newspapers dated: 2nd and 9th May 2025. Proof of advertisements are attached.

10.6 Notice Board

An A3 size notice detailing information about the project and the EIA process was at the town planning notice Board of Omaruru Municipality on the from the 2nd of May 2025 until the comments period lapsed on the 13th June 2025.

10.7 Public Meeting

In compliance with the EIA Regulations (2012), public (I&AP) and all stakeholders were notified as a requirement for EIA process. However, due to a lack of interest from the public, the small-scale nature of the project and the minimal impacts the project is expected to have on the public, a public meeting was not held for this development.

10.8 Issues raised by interested and affected parties

The identified key stakeholder in this project is the Omaruru Municipality as one of the competent authorities in the town planning process of this project. Thus, consultations with the municipality goes beyond the EIA process and are in favour of the project.

11. ENVIRONMENTAL ASSESSMENT METHODOLOGY

An appraisal of the type of effects the proposed Rezoning of Erven 127 and 128, Omaruru from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0 would have on the affected environment; rate as either positive (beneficial on the environment), neutral (no impact on the environment), or negative (adverse impact on at a cost to the environment).

| Rating | Description |
|--------|---|
| 1 | Negligible / non-harmful / minimal deterioration (0 – 20%) |
| 2 | Minor / potentially harmful / measurable deterioration (20 – 40%) |
| 3 | Moderate / harmful / moderate deterioration (40 – 60%) |
| 4 | Significant / very harmful / substantial deterioration (60 – 80%) |
| 5 | Irreversible / permanent / death (80 – 100%) |

Table 3: Assessment and rating severity

| Rating | Description |
|--------|---|
| 1 | Less than 1 month / quickly reversible |
| 2 | Less than 1 year / quickly reversible |
| 3 | More than 1 year / reversible over time |
| 4 | More than 10 years/ reversible over time/ life of project or facility |
| 5 | Beyond life of project or facility/ permanent |

Table 4: Assessment and rating duration

| Rating | Description |
|--------|--|
| 1 | Within immediate area of the activity |
| 2 | Surrounding area within project boundary |
| 3 | Beyond project boundary |
| 4 | Regional/ Provincial |
| 5 | National/ International |

Table 5: Assessment and rating extent

Consequence is calculated as the average of the sum of the ratings of severity, duration and extent of the environmental impact.

| | |
|----------------------------------|---|
| Determination of Consequence (C) | $(\text{Severity} + \text{Duration} + \text{Extent}) / 3$ |
|----------------------------------|---|

Table 6: Determination of consequence

| Rating | Description |
|--------|-----------------------|
| 1 | Less than once a year |
| 2 | Once in a year |
| 3 | Quarterly |
| 4 | Weekly |
| 5 | Daily |

Table 7: Assessment and rating of frequency

| Rating | Description |
|--------|-------------------|
| 1 | Almost impossible |
| 2 | Unlikely |
| 3 | Probable |
| 4 | Highly likely |
| 5 | Definite |

Table 8: Assessment and rating of probability

Likelihood

Likelihood considers the frequency of the activity together with the probability of the environmental impact associated with that activity occurring.

| | |
|-----------------------------------|-------------------------------|
| Determination of Likelihood (L) = | (Frequency + Probability) / 2 |
|-----------------------------------|-------------------------------|

Table 9: Determination of likelihood

Environmental Significance

Environmental significance is the product of the consequence and likelihood values.

| Rating | Description |
|----------------|--|
| L (1 - 4.9) | Low environmental significance |
| LM (5 - 9.9) | Low to medium environmental significance |
| M (10 - 14.99) | Medium environmental significance |
| MH (15 - 19.9) | Medium to high environmental significance |
| H (20 - 25) | High environmental significance. Likely to be a fatal flaw |

Table 10: Determination of environmental significance

11.1 Impacts Associated with Operational Phase

Storm water usually runs off the area and flow into the Omaruru River situated behind the subject properties without any kind of treatment. This can pollute the water bodies like creeks, lakes and rivers and have adverse effects on their chemical as well as biological nature. From this, any plans must include storm water drainage to accommodate the storm water during the rainy season.

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 4 | 5 | 3 | 4 | 2 | 5 | 3.5 | Negative | 7.5 (LM) |
| Mitigation measures: Storm water drains are already constructed along the Erf boundaries and along the adjacent street to connect to the towns storm water networks, natural water courses, excess storm water to be collected for consumption and recreational use. Storm water will be collected through network of storm drains from gardens, parking areas, paved and unpaved areas, and roadways. The storm water drainage system should have the capacity to prevent flooding of the site and surrounding areas. All buildings to be constructed above the 50-year flood line to avoid flooding of properties. | | | | | | | | | |
| Mitigated | 1 | 1 | 2 | 1.33 | 1 | 2 | 1.5 | Negative | 2.83 (L) |

Preserving Cultural Heritage and Supporting Local Identity

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 1 | 1 | 1 | 2 | 5 | 5 | 5 | Positive | 7 (LM) |
| Mitigation measures: No mitigation required as this is a positive impact. As travellers show interest in the unique stories, traditions, and people that shape a place, they support the cultural preservation of local communities. By engaging with local artisans, attending cultural events, and learning about cultural sites, travellers promote respect and visibility for cultural assets that may otherwise fade. Cultural heritage can be preserved by showcasing traditional craftsmanship, highlighting local legends and landmarks, and providing insight into the cultural diversity of Omaruru. These experiences not only foster a deeper understanding for visitors but also strengthen pride among local people. | | | | | | | | | |
| Mitigated | 1 | 2 | 1 | 1.33 | 5 | 3 | 4 | Positive | 5.33 (LM) |

Protecting the Environment Through Sustainable Tourism

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 1 | 1 | 1 | 2 | 5 | 5 | 5 | Positive | 7 (LM) |
| Mitigation measures: No mitigation required as this is a positive impact. With the rise of sustainable tourism and eco-tourism, travelers are becoming more conscious of their environmental impact. Responsible tourism encourages the protection of natural landscapes, national parks, and natural resources, which form the backbone of many tourist destinations. The proposed tourist establishment must promote eco-friendly practices, respect for wildlife, and environmental protection. These sustainable tourism practices will ensure that the community benefits from the natural environment sustainably. | | | | | | | | | |
| Mitigated | 1 | 2 | 1 | 1.33 | 5 | 3 | 4 | Positive | 5.33 (LM) |

Contribution to the economy - The project will contribute to the economy of Omaruru Town.

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 1 | 1 | 1 | 2 | 5 | 5 | 5 | Positive | 7 (LM) |
| Mitigation measures: No mitigation required as this is a positive impact. This project will contribute to the economy of Omaruru town by offering accommodation services to passing tourists. The project will improve job creation opportunities for the locals as the guesthouse will hire employees for their operations. | | | | | | | | | |
| Mitigated | 1 | 2 | 1 | 1.33 | 5 | 3 | 4 | Positive | 5.33 (LM) |

Improved aesthetic look of the area- The development is essential to improve the aesthetics of the area while turning down town Omaruru into a modern city that is attractive for the residents and visitors;

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 2 | 2 | 2 | 2 | 1 | 1 | 1 | Positive | 3 (L) |
| Mitigation measures: No mitigation required because it's a positive impact. However, the developer should create awareness among the residents about energy conservation and other resources as well as to implement measures to prevent or minimize any adverse effects on the environment. This project should provide a quality of life that can be expected in an urban area in relation to the utilities, convenience, amenities and security. This project will provide economic opportunities to the previously disadvantaged youths from the middle to low income segments of the town's population. | | | | | | | | | |
| Mitigated | 1 | 5 | 4 | 3.33 | 3 | 5 | 4 | Positive | 7.33 (LM) |

Increased employment opportunities- the development of a small business hub can increase the opportunities of employment for locals.

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 2 | 3 | 5 | 3.33 | 3 | 3 | 3 | Positive | 6.33 (LM) |
| Mitigation measures: The principles of gender equality, maximising local employment should be implemented in the provision of jobs during the construction phase. Priority should be given to local people when recruiting, therefore unskilled labourers from the local community should be employed. Jobs for security personnel to patrol the construction site and the surrounding areas will also be created. Equity, transparency, should be considered when hiring and recruiting and that the public be included in the recruitment process. Priority should be given to local MSME's during the allocation of land. | | | | | | | | | |
| Mitigated | 1 | 4 | 4 | 3 | 2 | 5 | 4 | Positive | 6.5 (LM) |

Community Growth and Public Improvements

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|---|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 2 | 2 | 2 | 2 | 1 | 1 | 1 | Positive | 3 (L) |
| Mitigation measures: No mitigation required because it's a positive impact. When visitors engage in meaningful tourism activities, their presence supports broader infrastructure and service development. Increased demand can encourage investment in tourism infrastructure, transportation networks, and public services that benefits both residents and tourists. | | | | | | | | | |
| Mitigated | 1 | 5 | 4 | 3.33 | 3 | 5 | 4 | Positive | 7.33 (LM) |

Traffic - Potential impact due to the increase in traffic because the new business that will be constructed.

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|---|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 5 | 5 | 3 | 4.33 | 5 | 3 | 4 | Positive | 8.33 (LM) |
| Mitigation measures: Sidewalks for pedestrians should be provided along the new properties. Appropriate road signs and markings should be provided in the adjacent streets. Signs should be provided at intersections particularly at higher order intersections. Speed bumps should be installed to control the speed of traffic. Traffic circles to be utilized at high intensity intersections. | | | | | | | | | |
| Mitigated | 2 | 1 | 1 | 1.33 | 1 | 2 | 1.5 | Positive | 2.83 (L) |

Waste management- the business will require a more formalized form of waste management and Omaruru Municipal Council should be responsible for this.

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 5 | 3 | 3 | 3.66 | 5 | 5 | 5 | Negative | 8.66 (LM) |
| Mitigation measures: During the operations phase, the Omaruru Municipal Council be responsible for waste management. Omaruru Municipal Council to incorporate the new development into their formal waste collection strategy and that the waste is to be collected regularly and to be disposed of at an authorized waste disposal site. Illegal dumping of waste in any form is prohibited. | | | | | | | | | |
| Mitigated | 1 | 1 | 1 | 1 | 1 | 2 | 1.5 | Negative | 2.5 (L) |

Land use -The proposed development will result in a change in land use from residential to commercial purposes.

| | Severity | Duration | Extent | Consequence | Frequency | Probability | Likelihood | Status | Confidence/ Significance |
|--|----------|----------|--------|-------------|-----------|-------------|------------|----------|-----------------------------|
| Unmitigated | 1 | 5 | 4 | 3.33 | 1 | 5 | 3 | Positive | 6.33 (LM) |
| Mitigation measures: The change in land use will contribute to the efficient use of land in Omaruru by converting unutilized, non-functional residential land into a highly productive business area. | | | | | | | | | |
| Mitigated | 1 | 2 | 1 | 1.33 | 5 | 3 | 4 | Positive | 5.32 (LM) |

11.5 Impacts Associated with Decommissioning Phase

At this point, it is difficult to visualise and assess the decommissioning phase, although the procedures for decommissioning phase should be the same as for the construction phase. However, there will be possible pollution during the decommissioning phase of the project. Furthermore, during the decommissioning phase, an Environmental Impact Assessment (EIA) will be required and the disposal of decommissioned equipment and hazardous contaminated materials should be disposed following the disposal of hazardous material legislation.

12. CONCLUSIONS

Benedikt Mar Johannsson, the owner of Erven 127 and 128, Omaruru has decided to consolidate the two erven and subsequently rezone them from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0. The proposed consolidation and rezoning will allow for the owner to formalize and extend a guest house already operating on the subject properties.

Erven 127 and 128, Omaruru are currently zoned as a “Single Residential” with a density of 1:600 and are situated in the center of Omaruru Town. The owner has been operating a guesthouse on the property for a long time and is keen on formalizing the use of his properties. The change in land use from residential to commercial use is a listed activity and a statutory town planning and environmental management procedure for the consolidation and subsequent rezoning of land from residential to commercial purposes must be carried out.

Nghivelwa Planning Consultants, a Town and Regional Planning and Environmental Management Consultancy firm has been appointed to conduct an Environmental Impact Assessment and Environmental Management Plan (EMP) for the Consolidation of Erven 127 and 128, Omaruru to form Consolidated Erf X and subsequent rezoning of Consolidated Erf X (Erven 127 and 128), Omaruru from “Single Residential” with a density of 1:600 to “General Business” with a bulk of 1.0. The Environmental Impact Assessment has been conducted to meet the requirements of the Namibia’s Environmental Management Act (No. 7 of 2007).

We further conclude that the proposed development has more positive than negative impacts to the natural environment and will provide much needed economic development through increased tourism and employment creation for Omaruru residents. The development will complement the efforts of the Namibia Tourism Authority and help with the tourism strategies.

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