
TERRESTRIAL ANIMAL VERIFICATION REPORT

INITIAL SITE SENSITIVITY VERIFICATION: TERRESTRIAL ANIMAL SPECIES

1. REQUIREMENTS FOR VERIFICATION REPORT

Prior to initiating an environmental impact assessment, the current land use and the potential environmental sensitivity of the site as identified by the national web based environmental screening tool must be confirmed by undertaking an Initial Site Sensitivity Verification. GNR1150 of 30 October 2020 sets out the requirements for site sensitivity verification and minimum report content.

2. BACKGROUND INFORMATION

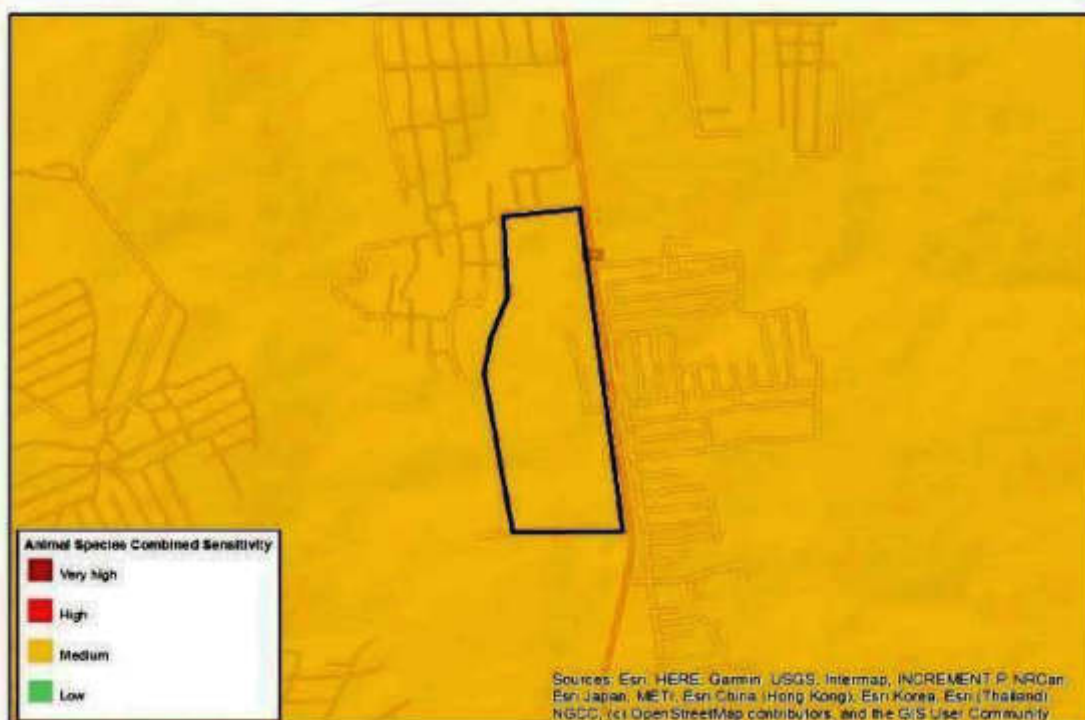
2.1	PROJECT/SITE NAME	ACORN CITY MIXED USE TOWNSHIP DEVELOPMENT.
2.2	PROPERTY DESCRIPTION	POR 27 FARM ARTHURSEAT 214-KU BUSHBUCK RIDGE LOCAL MUNICIPALITY
2.3	STUDY AREA	POR 27 FARM ARTHURSEAT 214-KU
2.4	PROJECT AREAS OF INFLUENCE (PAOI)	Possible presence of two butterfly species and 17 other sensitive species

3. DESKTOP TERRESTRIAL ANIMAL SPECIES SENSITIVITY VERIFICATION OF THE PROJECT SITE

3.1 SCREENING OF TERRESTRIAL ANIMAL SPECIES SITE SENSITIVITY (NATIONAL WEB BASED TOOL)

MAP OF TERRESTRIAL ANIMAL SPECIES SENSITIVITY SCREENING

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



SCORE OF TERRESTRIAL ANIMAL SPECIES SENSITIVITY SCREENING	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity								
			x									
Sensitivity Features:												
<table border="1"> <thead> <tr> <th>Sensitivity</th> <th>Feature(s)</th> </tr> </thead> <tbody> <tr> <td>Medium</td> <td>Insecta-Lepidochrysops irvingi</td> </tr> <tr> <td>Medium</td> <td>Insecta-Orachrysops violescens</td> </tr> <tr> <td>Medium</td> <td>Sensitive species 17</td> </tr> </tbody> </table>					Sensitivity	Feature(s)	Medium	Insecta-Lepidochrysops irvingi	Medium	Insecta-Orachrysops violescens	Medium	Sensitive species 17
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INTERPRETATION OF THE TERRESTRIAL ANIMAL SPECIES SENSITIVITY SCREENING SCORE												
<p>Insecta-Lepidoptera <i>Lepidochrysops irvingi</i>. Occurs only in Montane, fire-prone habitat grassland with short sward along the escarpment from Nelshoogte to Graskop.</p> <p>Insecta-Lepidoptera <i>Orachrysops violescens</i>. Occurs in mountain slopes and hilltops in high rainfall areas at 1500 metres of altitude, often associated with nearby montane forest or river valleys.</p> <p>Both these species require Montane Grassland and do not occur in the Legogote Sour Bushveld.</p>												

3.2 TERRESTRIAL ANIMAL SPECIES PRIORITY ASSESSMENT BIOBASE ASSESSMENT / (MBSP 2013)
The Biobase Assessment (MBSP 2013) was compiled during 2013 when this area was part of Limpopo Province. No data is thus available from this source.
No evidence of sensitive animal species could be found for this QDS from sources such as ADU Virtual museum
<p>Frogs: 27 species, all Least Concern</p> <p>Mammals: 50 species for the grid square with the mammal that could possibly be found here. Least Concern</p> <p>Reptiles: 67 Species all Least Concern except for the Large-scaled Grass Lizard which is Near Threatened but is very unlikely to be found due to the transformation of the habitat as they are very habitat specific.</p>



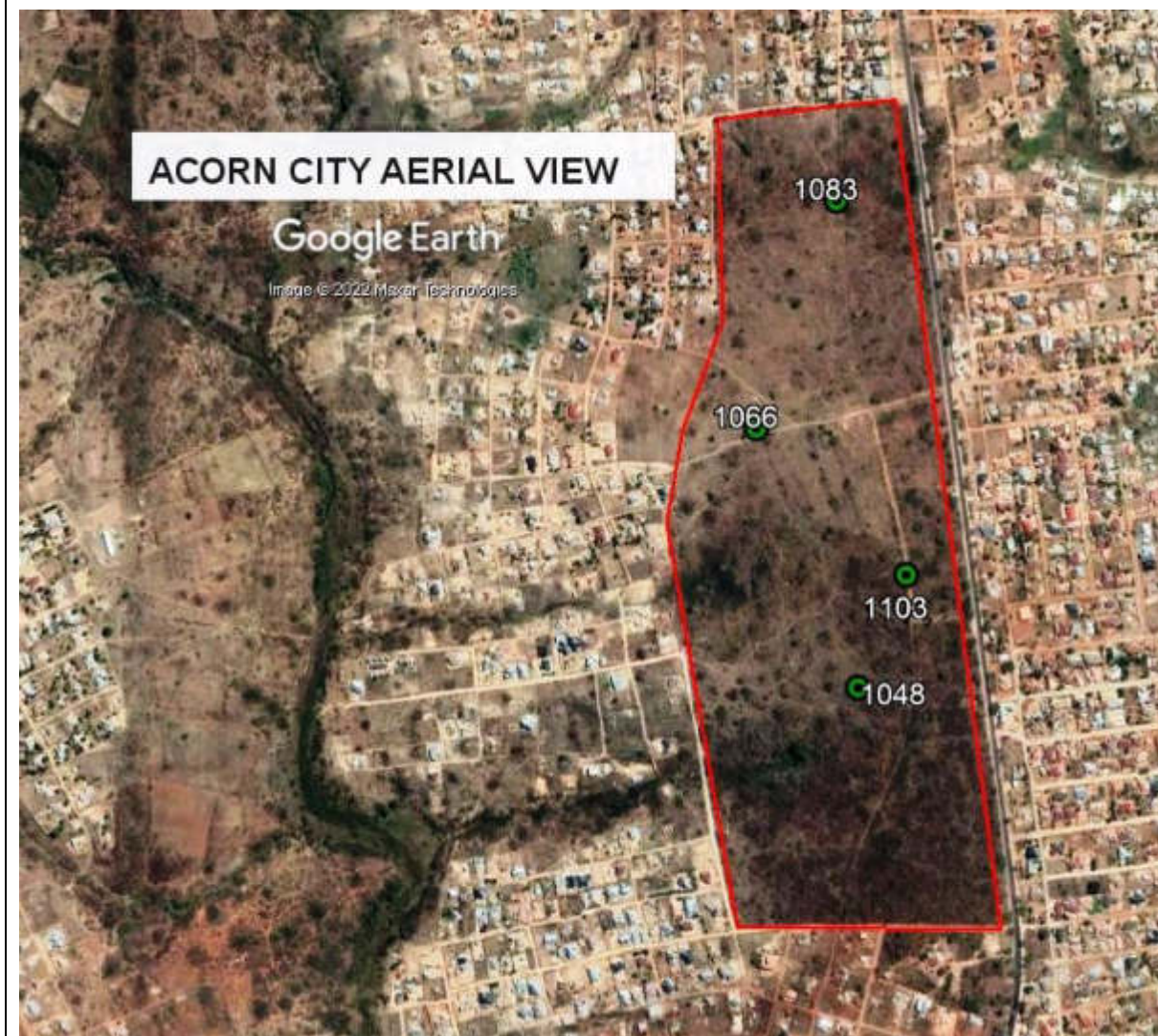
CLASSIFICATION OF TERRESTRIAL ANIMAL SPECIES ASSESSMENT

This area's sensitivity classification must be adjusted to LOW

INTERPRETATION OF THE CLASSIFICATION

Map indicating long disturbance in the entire expanded area including extensive residential and commercial use. This makes this site unsuitable for wildlife species to occur onsite. During the field survey no mammals, reptiles or birds were found.

3.3 PRELIMINARY TERRESTRIAL ANIMAL SPECIES AERIAL PHOTO / SATELLITE IMAGERY INTERPRETATION OF THE SITE

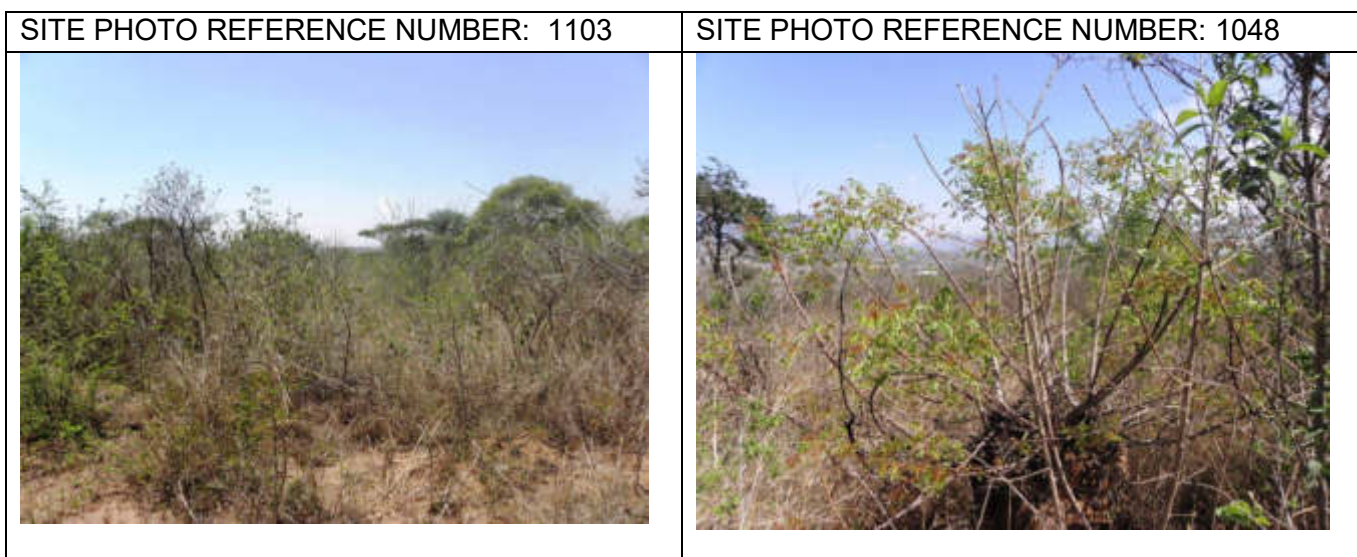
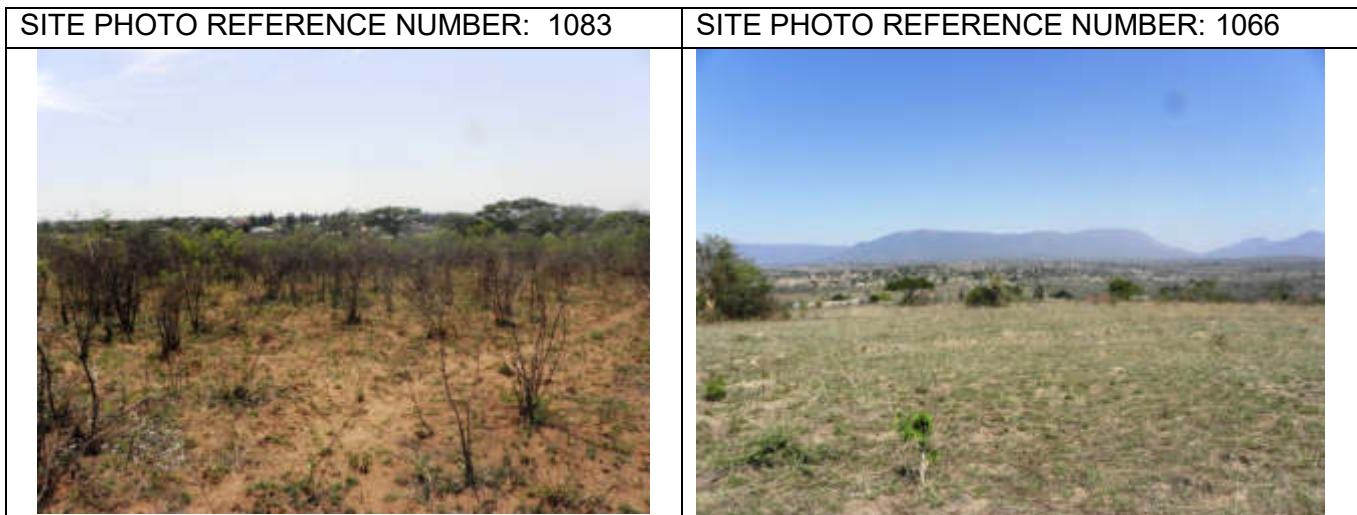


3.4 DESCRIPTION OF AERIAL PHOTO ANALYSIS

Images linked to the project site indicate the disturbed nature of the animal habitat.

4. ON-SITE TERRESTRIAL ANIMAL SPECIES SENSITIVITY VERIFICATION

No terrestrial animals or signs of animal presence were found. Due to high human activity and possible harvesting of resources such as firewood and bushmeat it is unlikely that any terrestrial animals will be found. Reference photo's show the unsuitable nature for habitation by terrestrial animal species.



5. TERRESTRIAL ANIMAL SPECIES SITE SENSITIVITY VERIFICATION OUTCOME

5.1 VERIFICATION CONFIRMATION/DISPUTE
The sensitivity rating is disputed.

5.2 VERIFICATION MOTIVATION
Long term disturbance is present in the entire expanded area including extensive residential and commercial use. This makes this site unsuitable for wildlife species to occur onsite.

5.3 VERIFICATION RECOMMENDATION
The sensitivity rating needs to be adjusted from MEDIUM to LOW

Koos de Wet

Koos de Wet

Signature of EAP/Specialist
Koos de Wet

Date: **2022-02-25**