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# SITE SENSITIVITY AND VERIFICATION REPORT

GENADE BOERDERY MIDDELPLAATS PIVOT EIA





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#### REVISION AND AMENDMENTS

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# 1 SCOPE AND PURPOSE

*Regulation 16(1)(b)(v) of the Environmental Impact Assessment Regulations (GNR 982 promulgated under the National Environmental Management Act (Act 107 of 1998-NEMA)), requires that a Screening Report generated by the national web-based environmental screening tool for the specific site and activity must accompany any application for Environmental Authorization.*

*The Screening Report identifies preliminary development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmentally sensitive features on the site based on the site sensitivity screening. On the basis of the sensitivities identified in the site sensitivity screening, a list of preliminary specialist studies required to be considered in the Impact Assessment process are provided.*

*Prior to commencing with a specialist assessment identified in the Screening Report, the current use of the land and the environmental sensitivity of the site, must be confirmed by undertaking a site sensitivity verification. The site sensitivity verification must be undertaken by an environmental assessment practitioner or a specialist. The site sensitivity verification must be undertaken through the use of:*

- a) a desk top analysis, using satellite imagery;*
- b) a preliminary on-site inspection; and*
- c) any other available and relevant information.*

*This Site Sensitivity and Verification Report (SSVR) is a record of the outcome of the site sensitivity verification in compliance with the requirements of the procedures for the assessment and minimum criteria for reporting on identified environmental themes in terms of Sections 24(5)(a) and (h) and 44 of the NEMA. The SSVR aims to:*

- a) confirm or disputes the current use of the land and the environmental sensitivity as identified by the screening tool, such as new developments or infrastructure, the change in vegetation cover or status etc.;*
- b) contain motivation and evidence (e.g. photographs) of either the verified or different use of the land and environmental sensitivity; and*
- c) be submitted together with the relevant assessment report prepared in accordance with the requirements of the Environmental Impact Assessment Regulations (EIA Regulations).*



## 2 PROJECT BACKGROUND

### 2.1 PROJECT ASPECTS

The applicant wishes to create 8 new cultivation (pivot) areas for the cultivation of potatoes. The development of these pivots will occur in phases over the course of 5 years and the crops will be rotated to prevent blight and allow for conservation of the soil. Once the planting cycle for a pivot area is completed, the area will be reseeded with grazing grasses for cattle. Seven of the new cultivation areas will each cover 60 hectares and one will cover 50 hectares, resulting in a total area of ~470 hectares of mostly indigenous vegetation clearance by the end of the five-year period.

Irrigation requirements will be met using the applicant's existing Lawful Water Use, which authorises the taking of water from the Vaal River system for irrigation of up to 60 hectares. No additional water resources will be required as only one crop area will be planted at a time.

Table 1: Project aspects

		Location (DD MM SS)	
Project Aspect	Details	Latitude	Longitude
1.	Pivot 1 (50 ha)	28°46'54.06"S	24° 4'2.89"E
2.	Pivot 2 (60 ha)	28°47'12.89"S	24° 4'26.71"E
3.	Pivot 3 (60 ha)	28°46'44.89"S	24° 3'34.34"E
4.	Pivot 4 (60 ha)	28°46'58.61"S	24° 4'58.31"E
5.	Pivot 5 (60 ha)	28°46'43.76"S	24° 4'31.09"E
6.	Pivot 6 (60 ha)	28°46'30.23"S	24° 5'0.70"E
7.	Pivot 7 (60 ha)	28°46'28.28"S	24° 4'3.49"E
8.	Pivot 8 (60 ha)	28°47'22.24"S	24° 2'32.41"E

### 2.2 SITE LOCALITY AND LAYOUT

The proposed project is located on the farm Middel Plaats South No. 104, Sol Plaatje Local Municipality, Northern Cape Province. The site is ~8km south of Schmidtsdrif. The centre point of the site is 28°46'42.69"S, 24° 3'58.52"E. Please refer to the project layout map (**Figure 1**).

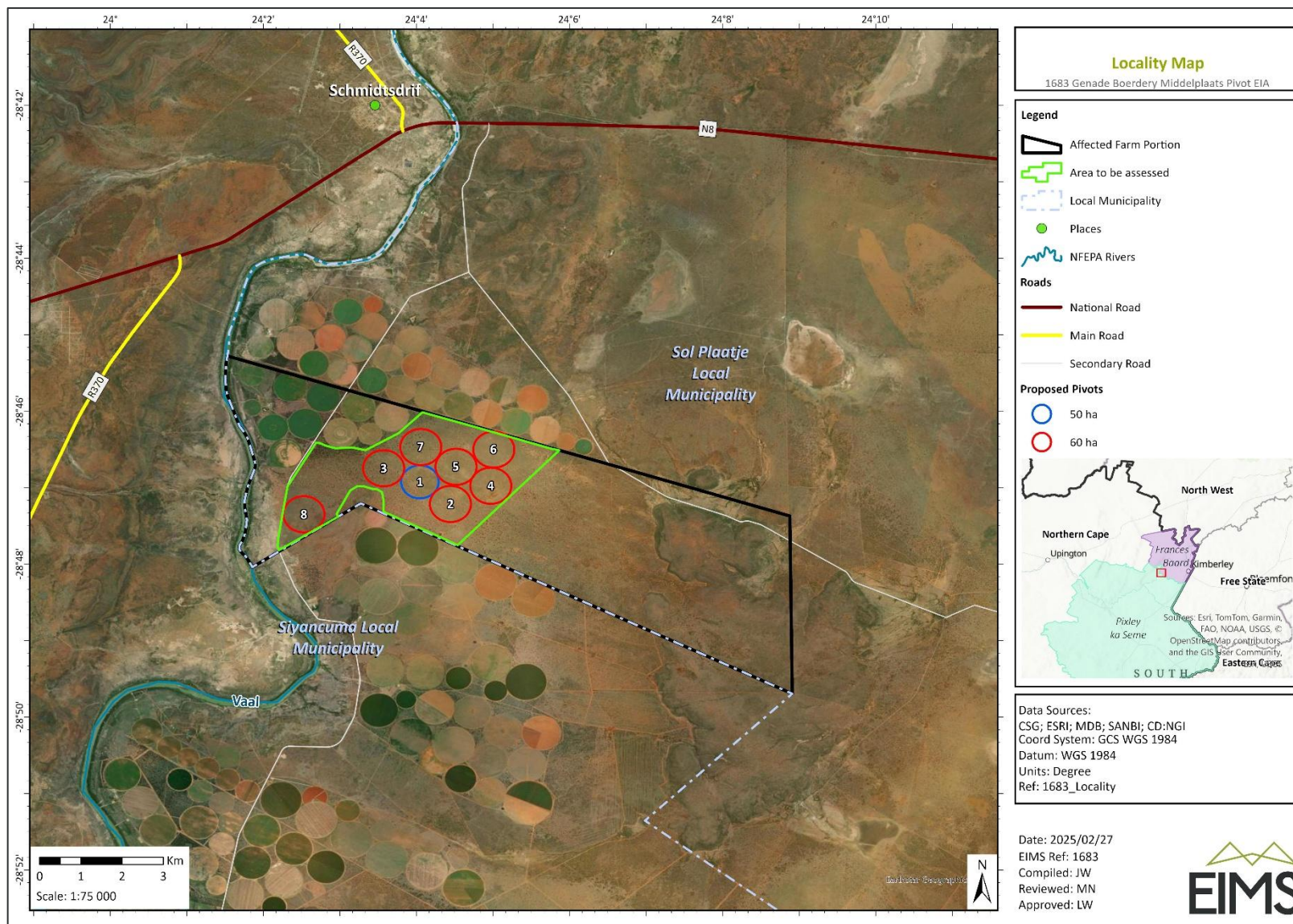


Figure 1: Site Locality and project layout map.





## 2.3 NATIONAL SCREENING TOOL ASSESSMENT

Regulation 16(1)(b)(v) of the Environmental Impact Assessment Regulations (GNR 982 promulgated under the National Environmental Management Act (Act 107 of 1998-NEMA)), requires that a Screening Report generated by the national web-based environmental screening tool for the specific site and activity must accompany any application for Environmental Authorization.

The Screening Report identifies preliminary development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmentally sensitive features on the site based on the site sensitivity screening. On the basis of the sensitivities identified in the site sensitivity screening, a list of preliminary specialist studies required to be considered in the Impact Assessment process are provided. **Table 2** provides the proposed development area environmental sensitivity as provided by the national web-based environmental screening tool.

Table 2: Screening Tool Report- Proposed development area environmental sensitivity.

Aspect	Very High	High	Medium	Low
<b>Agriculture Theme</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Animal species Theme</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Aquatic Biodiversity Theme</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Archaeological and Cultural Heritage</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Civil Aviation Theme</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Defence Theme</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Palaeontology Theme</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Plant Species Theme</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Terrestrial Biodiversity Theme</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## 3 SITE ASSESSMENT

Prior to commencing with a specialist assessment identified in the Screening Report, the current use of the land and the environmental sensitivity of the site, must be confirmed by undertaking a site sensitivity verification. The site sensitivity verification must be undertaken by an environmental assessment practitioner or a specialist. The site sensitivity verification must be undertaken through the use of:

- a desktop analysis, using satellite imagery;
- a preliminary on-site inspection; and
- any other available and relevant information.

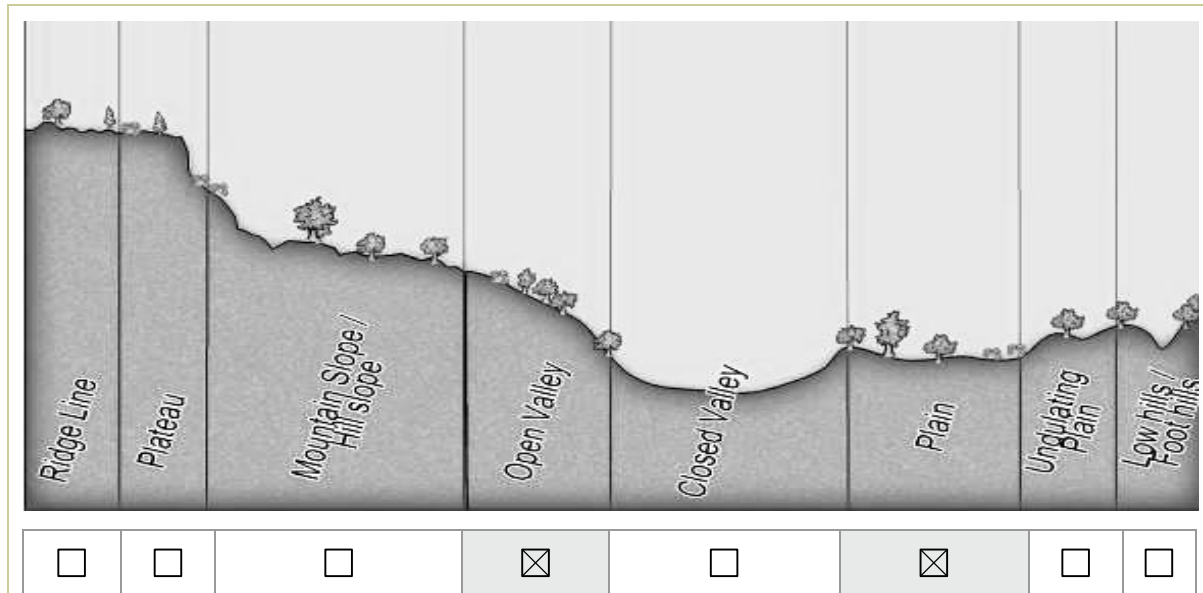
A site sensitivity and verification site assessment was undertaken on the 18<sup>th</sup> of March 2025. The sub-sections below aim to provide context of the existing site conditions to support the site sensitivity verification.



### 3.1 GRADIENT

The region of pivots 1 to 7 are generally flat with a very slight decline westwards towards the Vaal River. The gradient near pivot 8 differs in that the terrain is sloped at a steeper westwards decline originating from the rocky outcrop/hill located south of the proposed development (east of pivot 8).

The general gradient characteristics of the site:



### 3.2 SENSITIVE AREAS

<i>Is the site located in the immediate vicinity of the following:</i>	Yes	No	Comment
Erosion Channels or areas of severe erosion/ destabilized soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Eroded soils were noted through desktop analysis. No severe erosion channels were noted while on site. The site is generally very flat, and bare soils are noted throughout the site that were disturbed from human activities or movement of cattle and animals.
Wetlands (within 32m)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No wetlands or hydrophytic vegetation were noted while on site, however, the presence of any wetlands is to be verified by the Aquatic specialist report.
Unstable slopes or geological features (rocky outcrops)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Desktop analysis revealed an outcrop located northeast of Pivot 8 and southwest of pivots 1 to 7. Pivots 1 to 7 have a generally flat gradient with minimal rocky outcrops noted on site. There is a gentle gradient sloping towards the river (east to west) by Pivot 8. The terrain is more rocky in this region.
Bare areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Desktop analysis revealed bare soil generally associated with farm tracks and cattle tracks. A lot of the bare soil noted through desktop analysis showed recent vegetation growth at the time of the visit. However, bare soil was noted beneath the





<b>Is the site located in the immediate vicinity of the following:</b>	<b>Yes</b>	<b>No</b>	<b>Comment</b>
			<p>vegetation canopy throughout the site, as well as on farm tracks and recent diggings associated with soil surveys (undertaken by the client).</p> <p>The southwest corner of the site and the properties located southwest of the site show highly disturbed soils. This was noted on site as excavations for diamond mining/prospecting.</p>
Other Sensitive or risk areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Various avifauna and fauna were noted on site during the site visit. It was confirmed that some of the buck noted on site belonged to the previous owner of the property and will be relocated. Wild kudu (<i>Tragelaphus strepsiceros</i>) were noted in the region near pivot 8, and a few birds of prey were noted on site. Numerous different insect and butterfly species were noted on site.</p> <p>Stone tools were noted near pivot 8, for example, by the adjacent gravel road.</p>
Are any existing servitudes and structures directly or indirectly affected by the proposed sites and routes (e.g. Eskom, public road servitudes and restrictions- 60m from National Road, farmer's water/irrigation supplies, etc.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Existing farm dams and irrigation pipes are on site, however, these will be utilized for the proposed project. There are existing farm roads, however, no Eskom or public road servitudes are on site. Pivot 8 is located adjacent to a dirt/gravel access road.</p>

### 3.3 VEGETATION

<b>Which of the listed descriptions best describes the general groundcover on and around the site?</b>				
<input type="checkbox"/> Natural veld - good condition	<input checked="" type="checkbox"/> Natural veld with scattered aliens	<input type="checkbox"/> Natural veld with heavy alien infestation	<input type="checkbox"/> Veld dominated by alien species	<input type="checkbox"/> Gardens
<input type="checkbox"/> Sport field	<input type="checkbox"/> Cultivated land	<input type="checkbox"/> Paved surface	<input type="checkbox"/> Building or other structure	<input type="checkbox"/> Bare soil
<b>Comments on vegetation composition:</b>		The vegetation is largely natural veld with minimal scattered aliens.		
<b>Comments on weed species/type</b>		The terrestrial specialist report will provide detail on any weed species/type found on site.		



### 3.4 LAND COVER/ USE DESCRIPTION

*The SSVR aims to:*





- *Confirm or dispute the current use of the land and the environmental sensitivity as identified by the screening tool, such as new developments or infrastructure, the change in vegetation cover or status etc.; and*
- *Contain motivation and evidence (e.g. photographs) of either the verified or different use of the land and environmental sensitivity.*

Table 3: Land-use types and description.

Land-use type	Description
Grazing	The affected property is mainly undeveloped natural areas used for game farming and cattle grazing.
Agriculture	There are farm dams located on the property and their associated irrigation pipelines that were put in place by the property's previous owners.  Irrigated pivot crops are located on the north-western corner of the farm Middel Plaats South No. 104, as well as north and south of the property on adjacent farms.  Some of the surrounding farms have small solar plants.
Alluvial mining	Alluvial diamond mining activities (excavations and soil deposits) are located in the south-western region of the farm.
River	The Vaal River runs on the western border of the farm Middel Plaats South No. 104.



Table 4: Site photographs.

Pivot 1	
	
<p>Panoramic view taken within the Pivot 1 area. Note the bare soil. Coordinates: 28°46'58.58"S; 24°3'55.28"E.</p>	
	
<p>View of current game found on the property that are to be relocated by the previous property owner.</p>	<p>Typical vegetation found in the area of Pivot 1.</p>
Pivot 2	
	
<p>Panoramic view taken within the Pivot 2 area. Coordinates: 28°47'5.91"S; 24°4'34.34"E.</p>	





View of the typical vegetation found in the Pivot 2 area.

### Pivot 3



Panoramic view taken within the Pivot 3 area. Coordinates: 28°46'44.63"S; 24°3'37.04"E.



View of the typical vegetation found in the Pivot 3 area.





#### Pivot 4



Panoramic view taken within the Pivot 4 area. Note the access road. Coordinates: 28°46'54.20"S; 24°4'58.39"E.



Photograph taken by a nearby water dam in the Pivot 4 area. Note the new vegetation growth.



View of typical vegetation found in the Pivot 4 area.

#### Pivot 5



Panoramic view taken within the Pivot 5 area. Coordinates: 28°46'38.71"S; 24°4'25.15"E.





View of the typical vegetation found in the Pivot 5 area.



View of large tree and birds' nests found in the Pivot 5 area.

#### Pivot 6



Panoramic view taken within the Pivot 6 area. Coordinates: 28°46'41.44"S; 24°4'59.22"E.



View of typical vegetation found in the Pivot 6 area. Note the bare soil (right) had been exposed from recent soil surveys.





### Pivot 7



Panoramic view taken within the Pivot 7 area. Note the bare soil and access road. Coordinates: 28°46'29.58"S; 24°4'0.89"E.



View of vegetation found in the Pivot 7 area.

### Pivot 8



Panoramic view taken within the Pivot 8 area. Coordinates: 28°47'21.44"S; 24°2'29.47"E.





Typical vegetation in the Pivot 8 area. Note the hill/outcrop in the far background.



View of dense vegetation near the south eastern region of Pivot 8 (taken from an old access road and near where wild kudu were noted).

### Surrounding Land Uses



Old diamond mine excavations on the property south of Pivot 8.



View of the Vaal River (taken on the N8 near Schmidtsdrif).



View of an active maize crop (pivot agriculture) (left) and a pivot area that has been reseeded with grass for cattle grazing (right) on the Applicant's nearby property.



## 4 VERIFICATION FINDINGS AND MOTIVATION

The Screening Report identifies preliminary development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmentally sensitive features on the site based on the site sensitivity screening (**Section 2.3**). On the basis of the sensitivities identified in the site sensitivity screening, a list of preliminary specialist studies required to be considered in the Impact Assessment process are provided. **Table 5** below lists the screening tool identified specialist studies and associated screening tool sensitivity. Based on the findings of the site verification process (**Section 3**) a verified, or suggested revised sensitivity is provided together with an associated motivation.

Table 5: Assessment for specialist studies and motivation.

Screening Tool Specialist Study Required:	Level of Sensitivity:	Suggested Sensitivity:	Required level of Assessment	Motivation
Agriculture Impact Assessment	Very High	High	None	The proposed development is intended to make use of the agricultural potential of the land. The impact from the proposed development would therefore be a positive impact as it is making use of the land for agricultural purposes. The applicant will also make use of sustainable farming practices to avoid any degradation and improve the agricultural potential of the property. These measures will also be included in the Environmental Management Programme. It is the opinion of the EAP that an Agricultural Impact Assessment is deemed unnecessary for the proposed development.
Landscape/Visual Impact Assessment	Not Specified	Medium	None	The proposed development will change the current use of the land, however, there are numerous irrigated pivots in the area and the landscape/visual impact is expected to be minimal. A Landscape/Visual Impact Assessment is deemed unnecessary.
Archaeological and Cultural Heritage Impact Assessment	Low	Low	Full Study	A Phase I Department of Forestry, Fisheries and Environment (DFFE) and South African Heritage Resources Agency (SAHRA) / National Heritage Resources Act (NHRA) compliant specialist assessment has been commissioned to verify the site's Archaeological and Cultural Sensitivity.
Palaeontology Impact Assessment	High	Low	Other	A Palaeontological Desktop Study by a suitably qualified specialist has been



Screening Specialist Required:	Tool Study	Level of Sensitivity:	Suggested Sensitivity:	Required level of Assessment	Motivation
					commissioned to verify the site's Palaeontological Sensitivity.
Terrestrial Biodiversity Impact Assessment		Low	High	Full Study	A DFFE compliant Terrestrial Biodiversity Assessment by a suitably qualified specialist has been commissioned to verify the site's Terrestrial Biodiversity Sensitivity.
Aquatic Biodiversity Impact Assessment		Low	Low	Compliance Statement	A DFFE compliant Aquatic Ecology Compliance Statement by a suitably qualified specialist has been commissioned to verify the site's Aquatic Biodiversity Sensitivity.
Hydrology Assessment		Not Specified	Low	None	It is the opinion of the EAP, from a desktop analysis, as well as verified during the site visit, that the proposed activity does not require a hydrology specialist study as there are no natural surface water features occurring on or immediately adjacent to the study area. The water infrastructure is already developed, safe for extension of the irrigation pipelines from one pivot area to another as the project progresses. Mitigation measures for stormwater and to prevent erosion will be included in the Environmental Management Programme.
Socio-Economic Assessment		Not Specified	Low	None	Approximately 200 employment opportunities is expected to arise from the proposed development. Workers will be sourced from nearby settlements, therefore, there will be a positive socio-economic impact. A Socio-Economic Assessment will not be undertaken as part of this application.
Plant Species Assessment		Low	Low	Full Study	A DFFE compliant Terrestrial Biodiversity Assessment by a suitably qualified specialist has been commissioned and will cover the plant species theme.
Animal Species Assessment		High	Medium	Full Study	A DFFE compliant Terrestrial Biodiversity Assessment by a suitably qualified specialist has been commissioned and will cover the animal species theme.



## Appendix 1: DFFE Screening Tool Report

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS  
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE  
ENVIRONMENTAL SENSITIVITY**

**EIA Reference number:** New Application

**Project name:** Middelplaats Pivot EIA

**Project title:** Middelplaats Pivot EIA

**Date screening report generated:** 26/02/2025 17:19:06

**Applicant:** Genade Boerdery

**Compiler:** EIMS

**Compiler signature:**



**Application Category:** Agriculture\_Forestry\_Fisheries|Crop Production

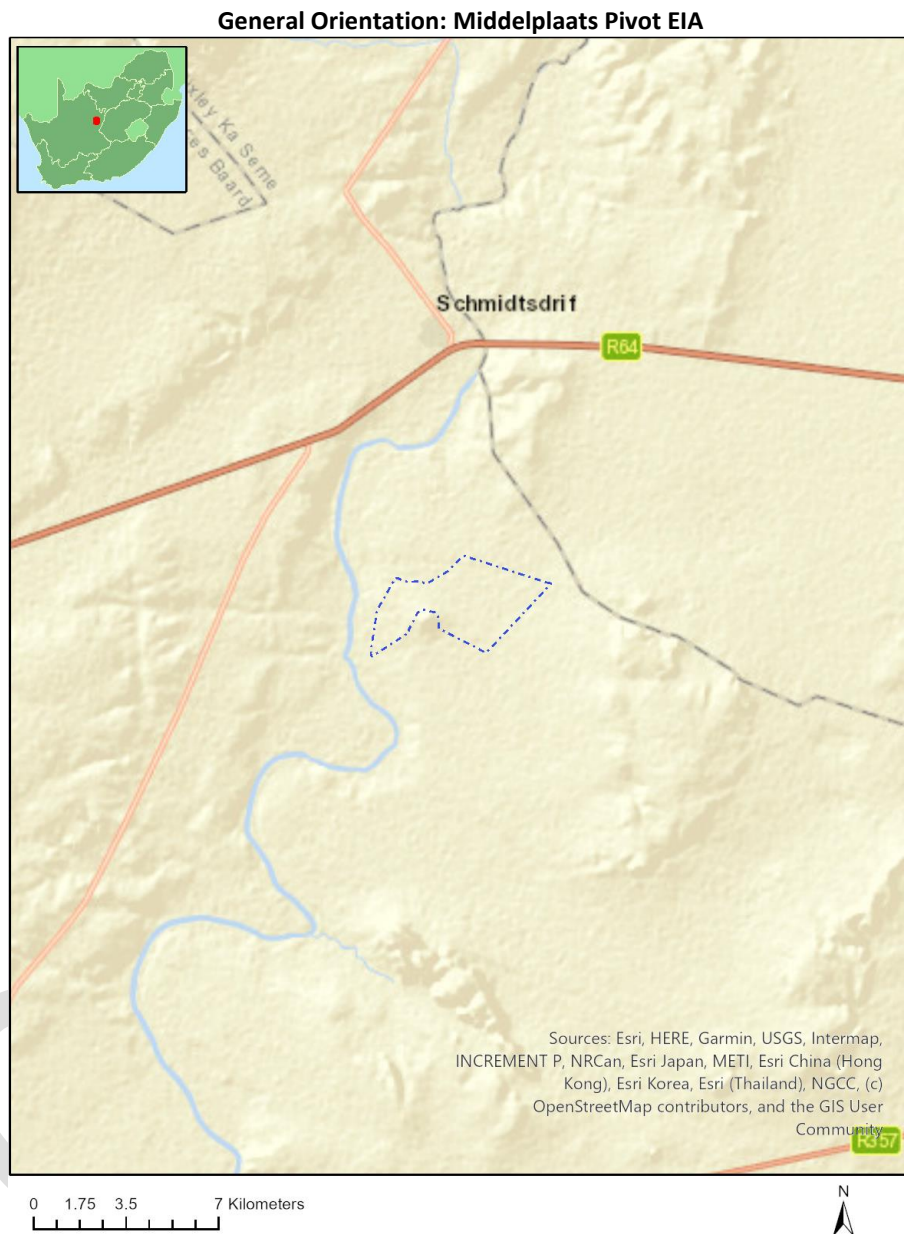


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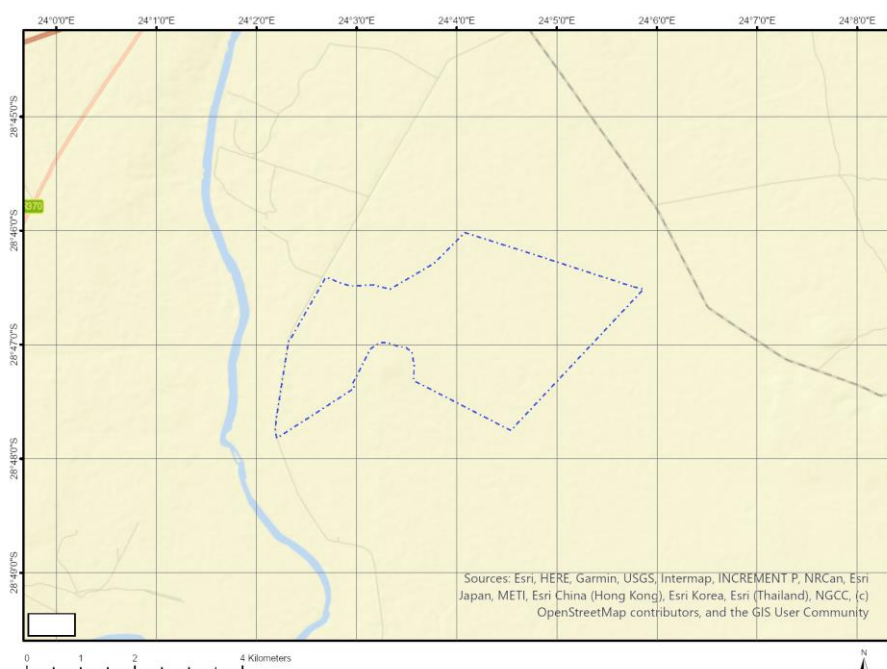
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# Proposed Project Location

## Orientation map 1: General location



## Map of proposed site and relevant area(s)



## Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	MIDDEL PLAATS SOUTH	104	0	28°47'20.91S	24°5'22.64E	Farm
2	MIDDEL PLAATS SOUTH	104	0	28°47'20.91S	24°5'22.64E	Farm Portion

Development footprint<sup>1</sup> vertices:

No development footprint(s) specified.

## Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2622	Solar PV	Approved	0.8
2	14/12/16/3/3/2/748	Solar PV	Approved	21.6
3	14/12/16/3/3/2/2124	Solar PV	Approved	28.5

<sup>1</sup> "development footprint", means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is: **Agriculture\_Forestry\_Fisheries|Crop Production.**

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

No intersection with any development zones found.

Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme	X			
Animal Species Theme		X		
Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme			X	
Defence Theme				X
Paleontology Theme		X		
Plant Species Theme				X
Terrestrial Biodiversity Theme				X

Specialist assessments identified

Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

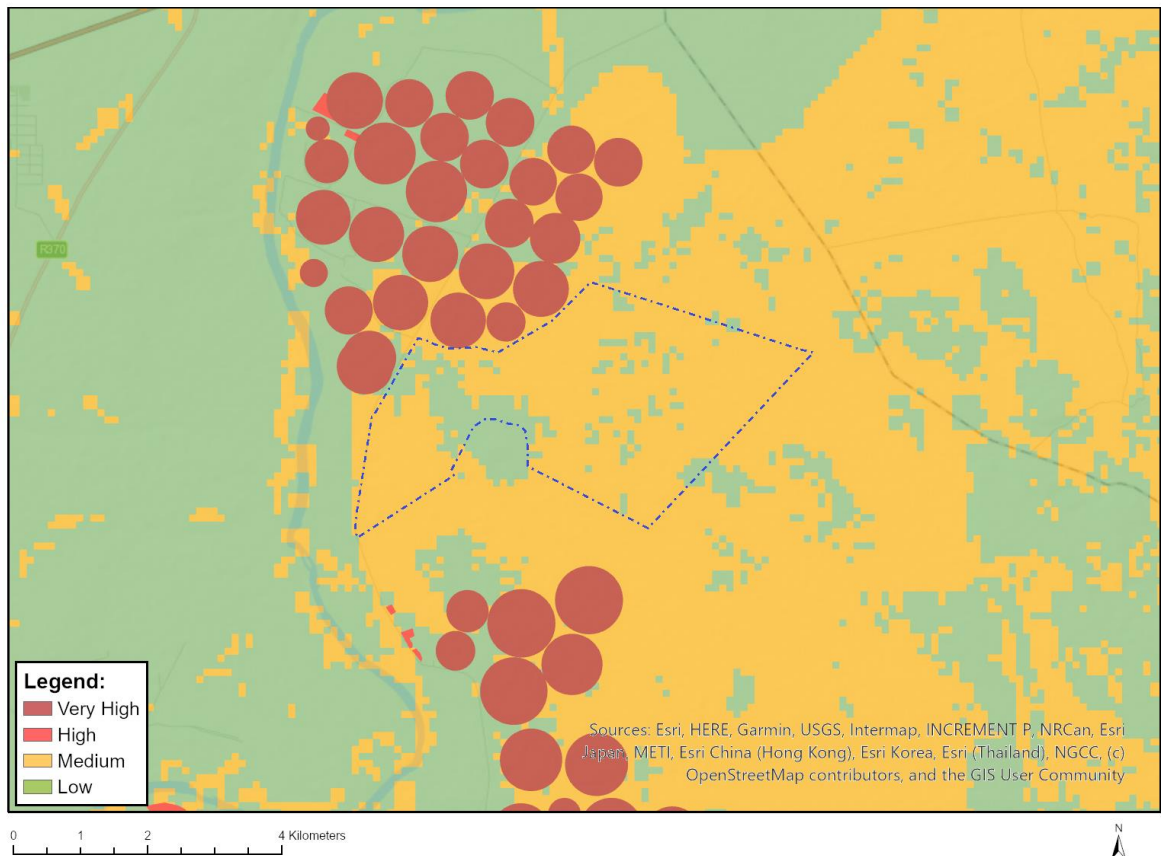
No	Specialist	Assessment Protocol
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	assessment	
1	Agricultural Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf</a>
2	Landscape/Visual Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
3	Archaeological and Cultural Heritage Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
4	Palaeontology Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
5	Terrestrial Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf</a>
6	Aquatic Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf</a>
7	Hydrology Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
8	Socio-Economic Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
9	Plant Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf</a>
10	Animal Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf</a>

## Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

### MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



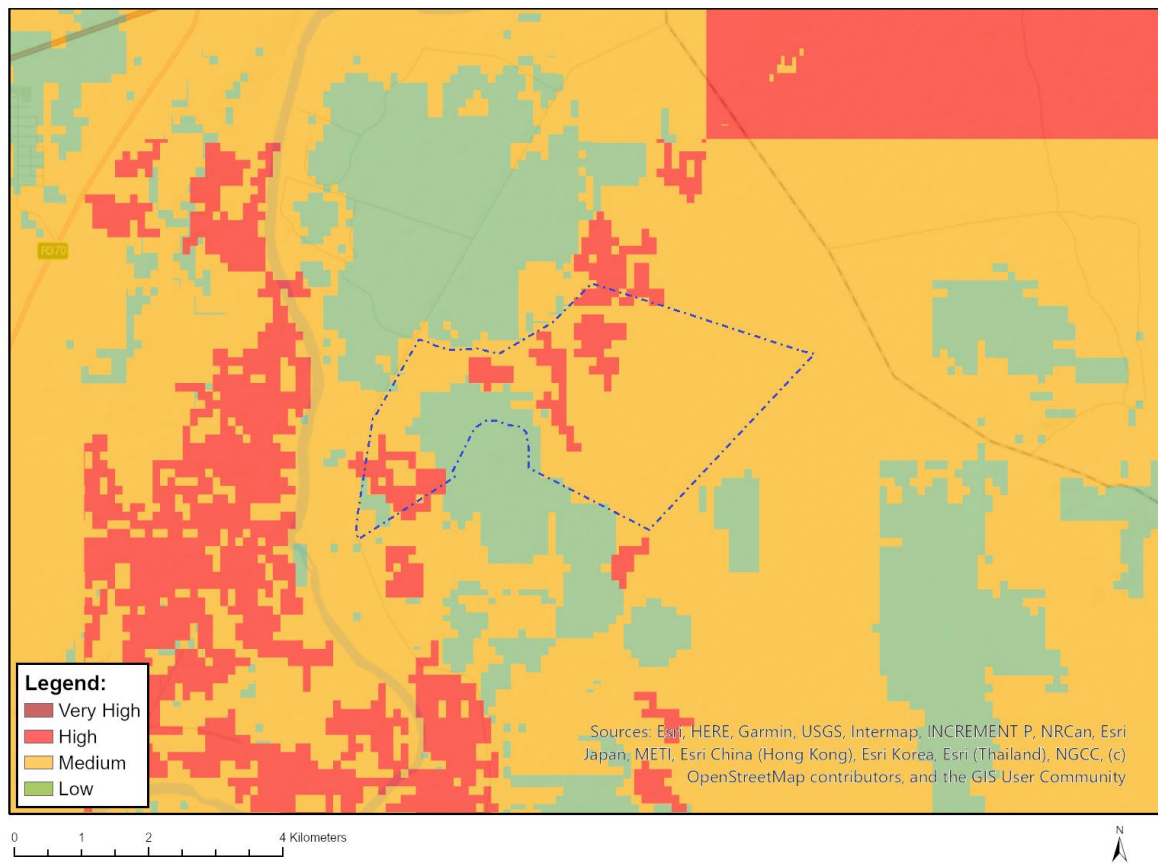
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

#### Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
Very High	Pivot Irrigation;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate



## MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



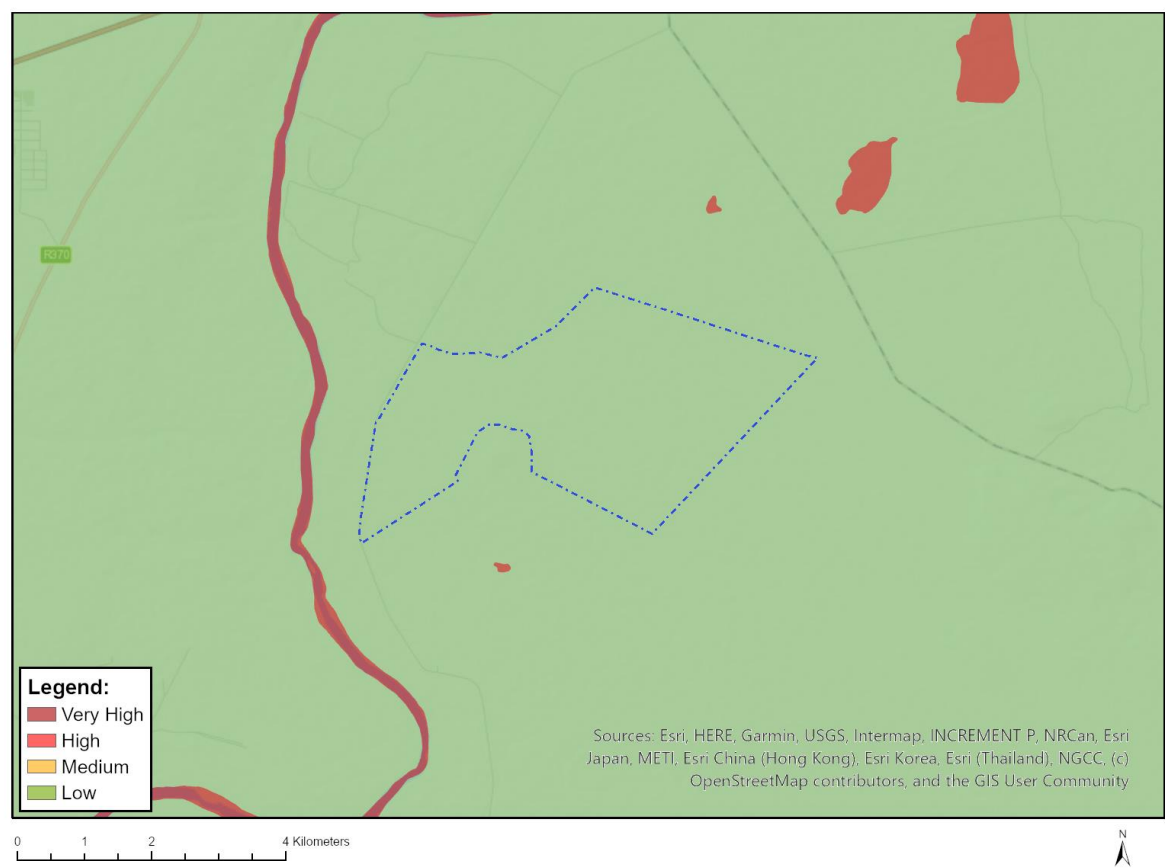
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at [eiadatarequests@sanbi.org.za](mailto:eiadatarequests@sanbi.org.za) listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Aves-Falco biarmicus
Low	Subject to confirmation
Medium	Aves-Aquila rapax
Medium	Aves-Gyps africanus
Medium	Aves-Neotis ludwigii

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

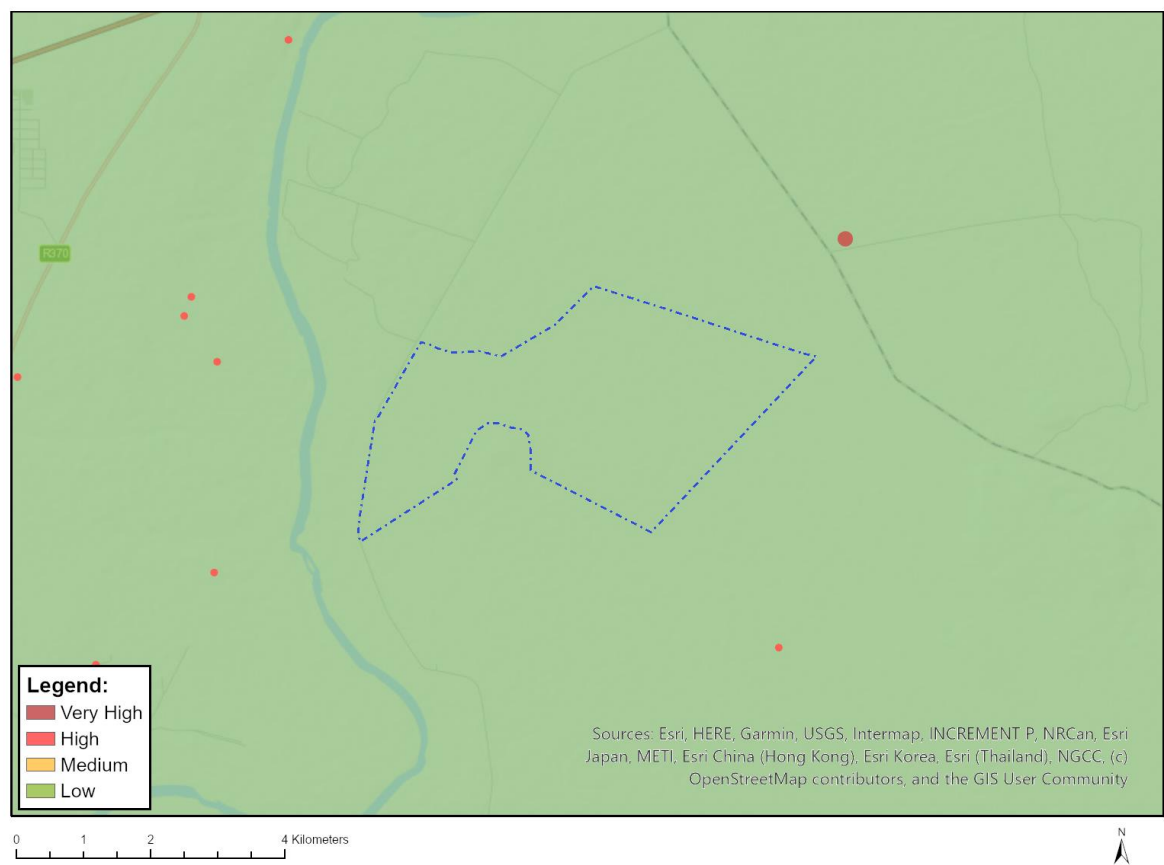


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

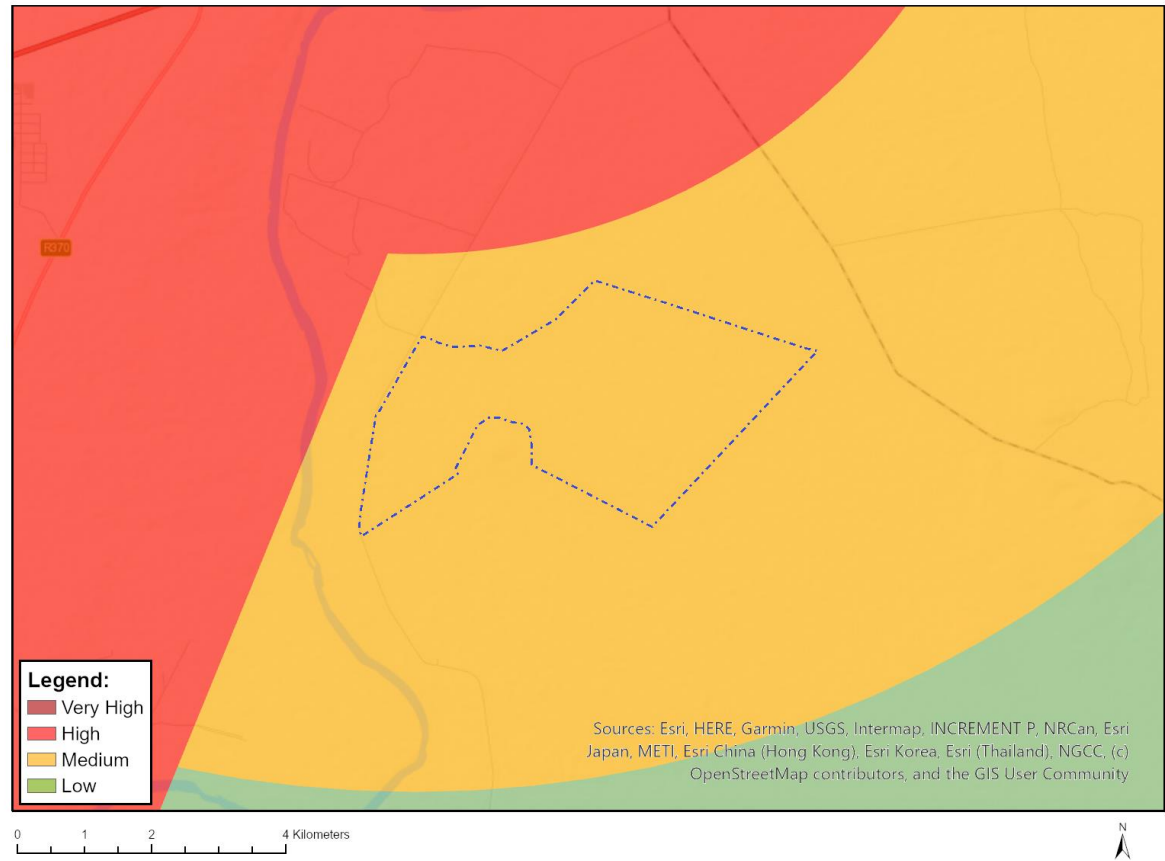


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

## Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

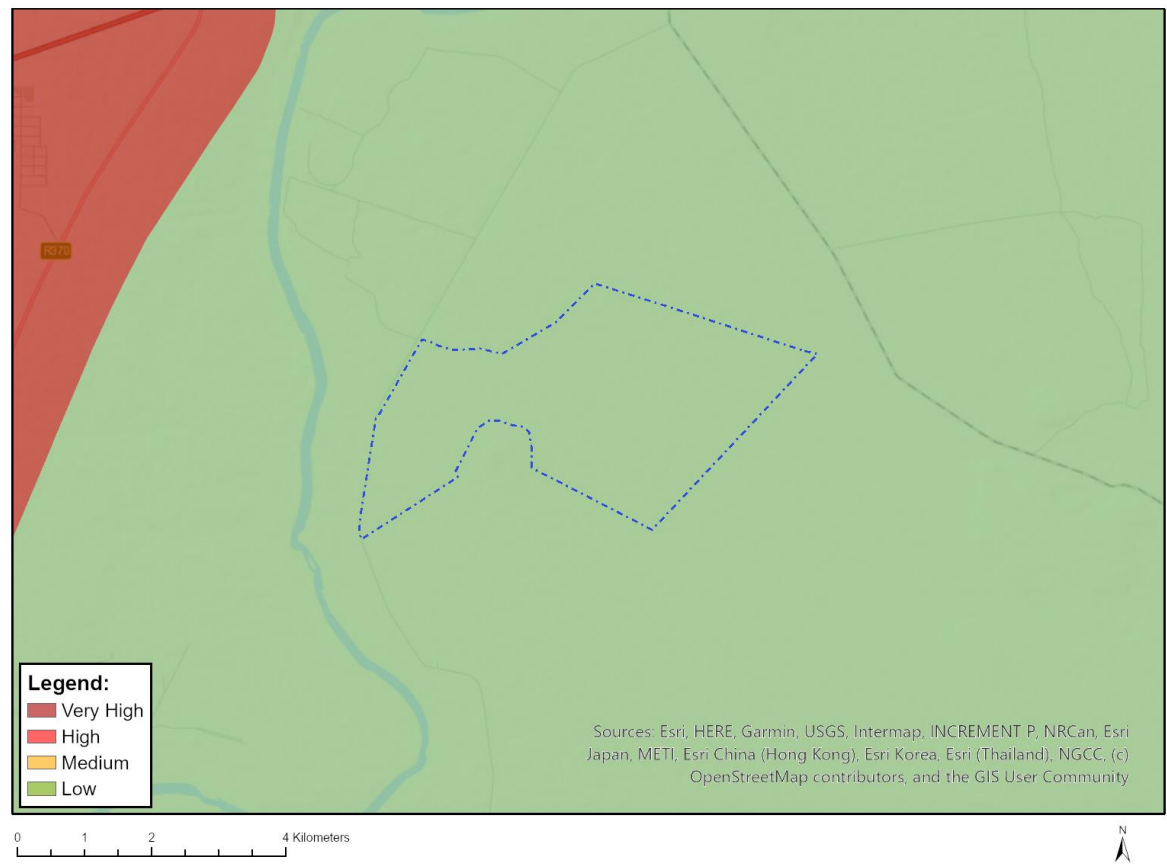


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

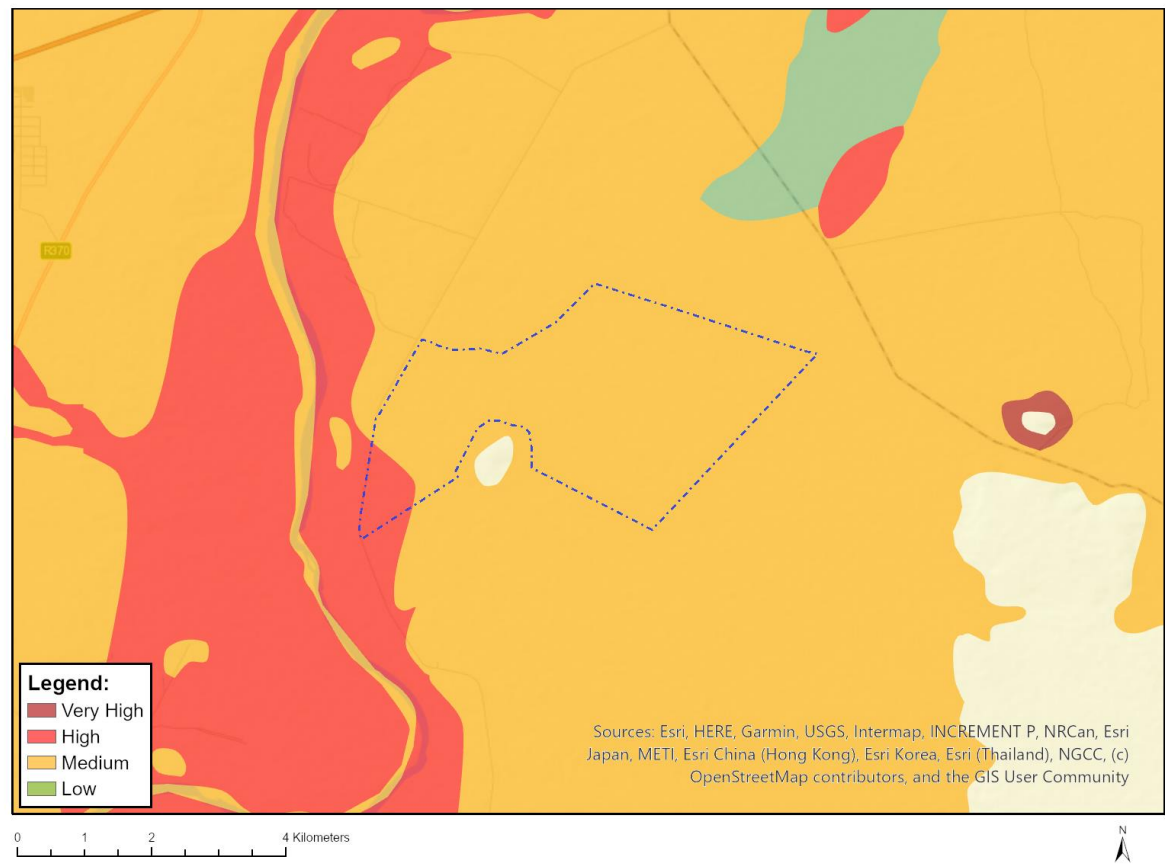


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



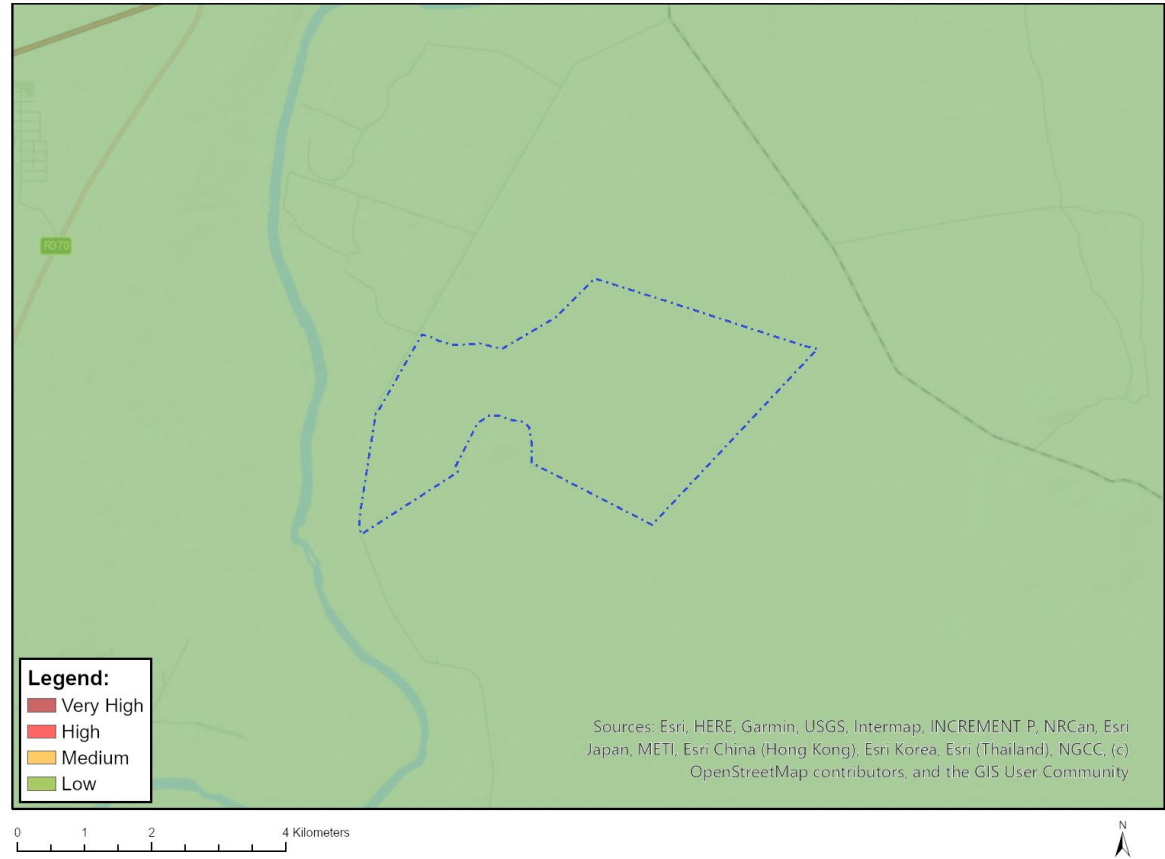
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Features with a High paleontological sensitivity
Medium	Features with a Medium paleontological sensitivity



MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



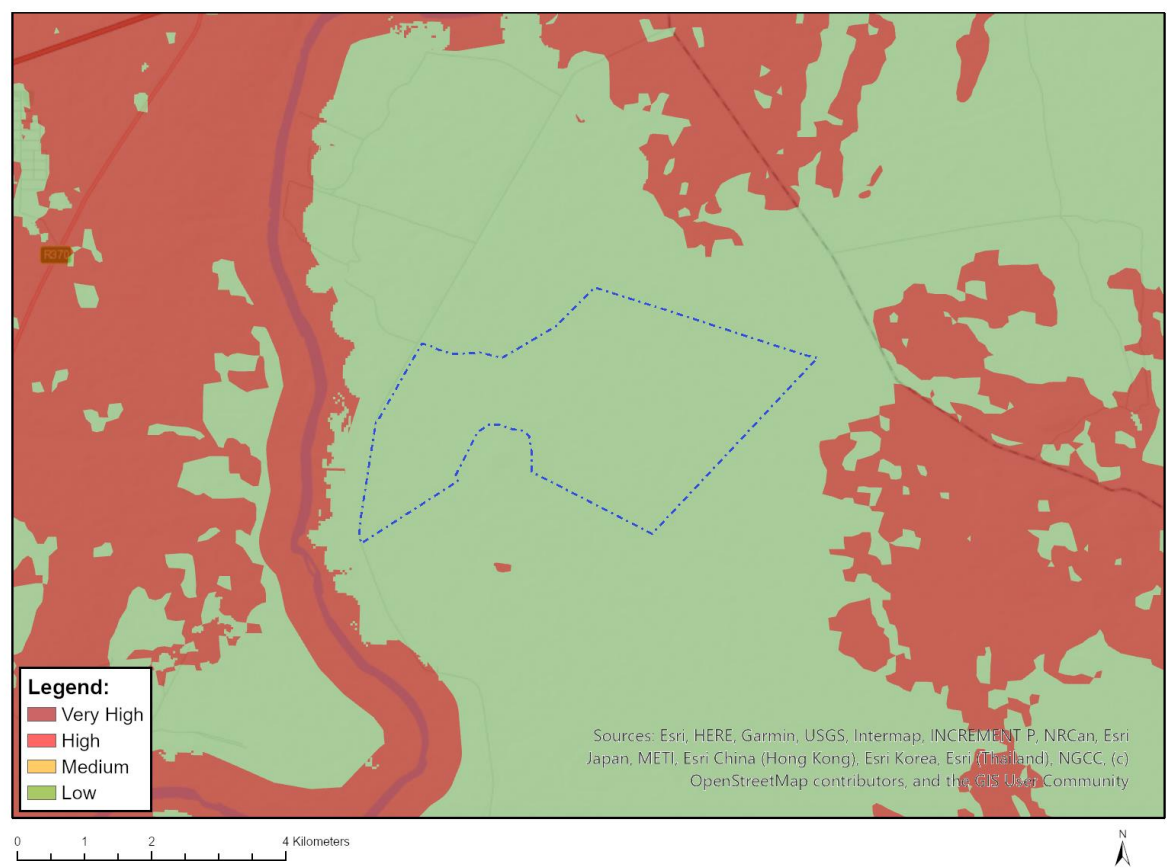
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at [eiadatarequests@sanbi.org.za](mailto:eiadatarequests@sanbi.org.za) listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity