

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION OR  
FOR A PART TWO AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION  
AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE  
ENVIRONMENTAL SENSITIVITY**

**EIA Reference number:** KZN30/5/1/1/2/10826PR

**Project name:** Highvale Prospecting Right

**Project title:** Highvale

**Date screening report generated:** 31/05/2019 14:20:31

**Applicant:** Thikho Resources

**Compiler:** Sarah Wanless

**Compiler signature:**

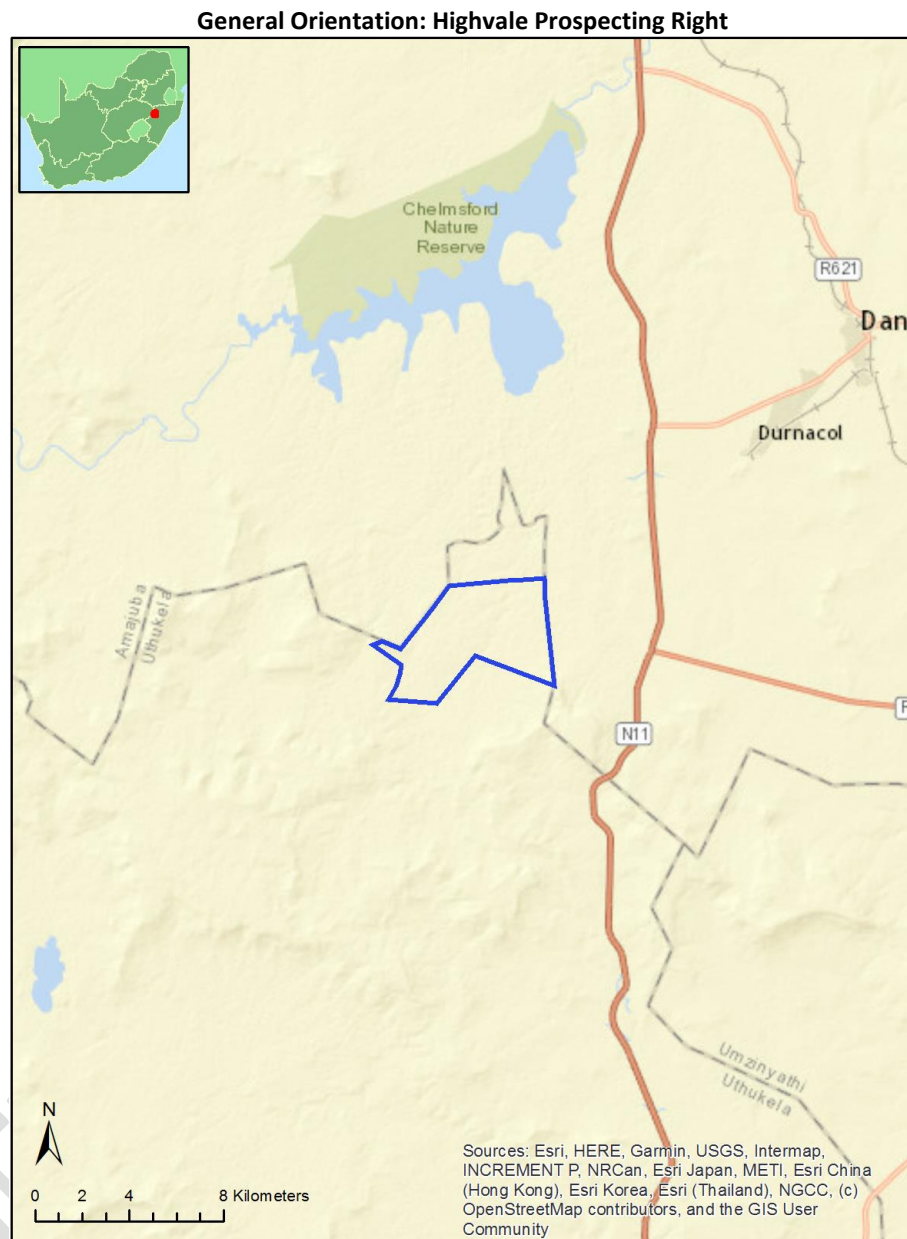
.....

## Table of Contents

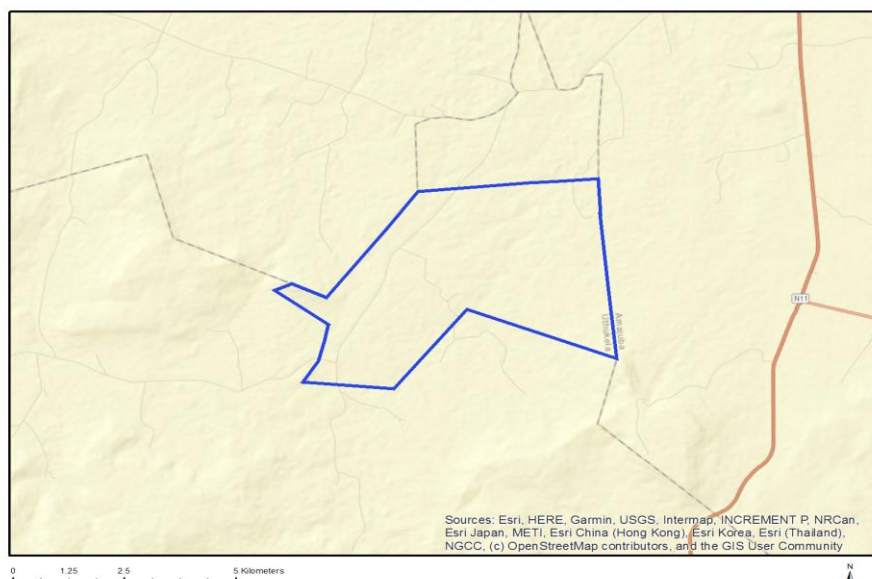
Proposed Project Location .....	3
Orientation map 1: General location .....	3
Map of proposed site and relevant area(s) .....	4
Cadastral details of the proposed site .....	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area .....	5
Environmental Management Frameworks relevant to the application .....	5
Environmental screening results and assessment outcomes .....	5
Relevant development incentives, restrictions, exclusions or prohibitions .....	5
Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones .....	7
Proposed Development Area Environmental Sensitivity .....	7
Specialist assessments identified .....	8
Results of the environmental sensitivity of the proposed area .....	9
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY .....	10
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY .....	11
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY .....	12
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY .....	13
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY .....	14
MAP OF RELATIVE DEFENCE THEME SENSITIVITY .....	15
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY .....	16

## 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 Number	Portion	Latitude	Longitude
1	LOS KOP	4312	00000	-28.12673	29.87639
2		11082	00000	-28.10752	29.88169
3	WATERFALL	2160	00000	-28.1397	29.91332
4	TABAksAK	7489	00000	-28.12618	29.86694
5	ORMISTON	8195	00000	-28.12365	29.90249
6	UMBANGO	9941	00000	-28.09113	29.91782
7	HIGHVALE	9311	00000	-28.11374	29.92933
8	LANGKLIP	10711	00000	-28.12217	29.88298
9	LOWVALE	15596	00000	-28.10866	29.90516
10	VOORSPOED	16763	00000	-28.13621	29.88412
11	HIGHVALE	9311	00000	-28.11376	29.92932
12	WATERFALL	2160	00008	-28.13442	29.93495
13		11082	00000	-28.10749	29.88166
14	ORMISTON	8195	00000	-28.12358	29.90258
15	TABAksAK	7489	00000	-28.1273	29.86759
16	LANGKLIP	10711	00004	-28.127	29.89119
17	LOS KOP	4312	00001	-28.12144	29.87504
18	LOS KOP	4312	00002	-28.12821	29.87712
19	LANGKLIP	10711	00001	-28.1329	29.88755
20	WATERFALL	2160	00005	-28.12683	29.91374
21	LANGKLIP	10711	00000	-28.12032	29.87977
22	WATERFALL	2160	00003	-28.1427	29.9114
23	LANGKLIP	10711	00003	-28.12441	29.88692
24	ROOIVAL	8158	00001	-28.14133	29.8883
25	UMBANGO	9941	00000	-28.09113	29.91778
26	LOWVALE	15596	00000	-28.11411	29.89972
27	ROOIVAL	8158	00000	-28.14009	29.87866
28	LOWVALE	15596	00001	-28.10324	29.91056

Development footprint<sup>1</sup> details:  
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 nearby wind or solar developments found.

## 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: Mining|Prospecting rights|Mining - Prospecting rights.

### 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.

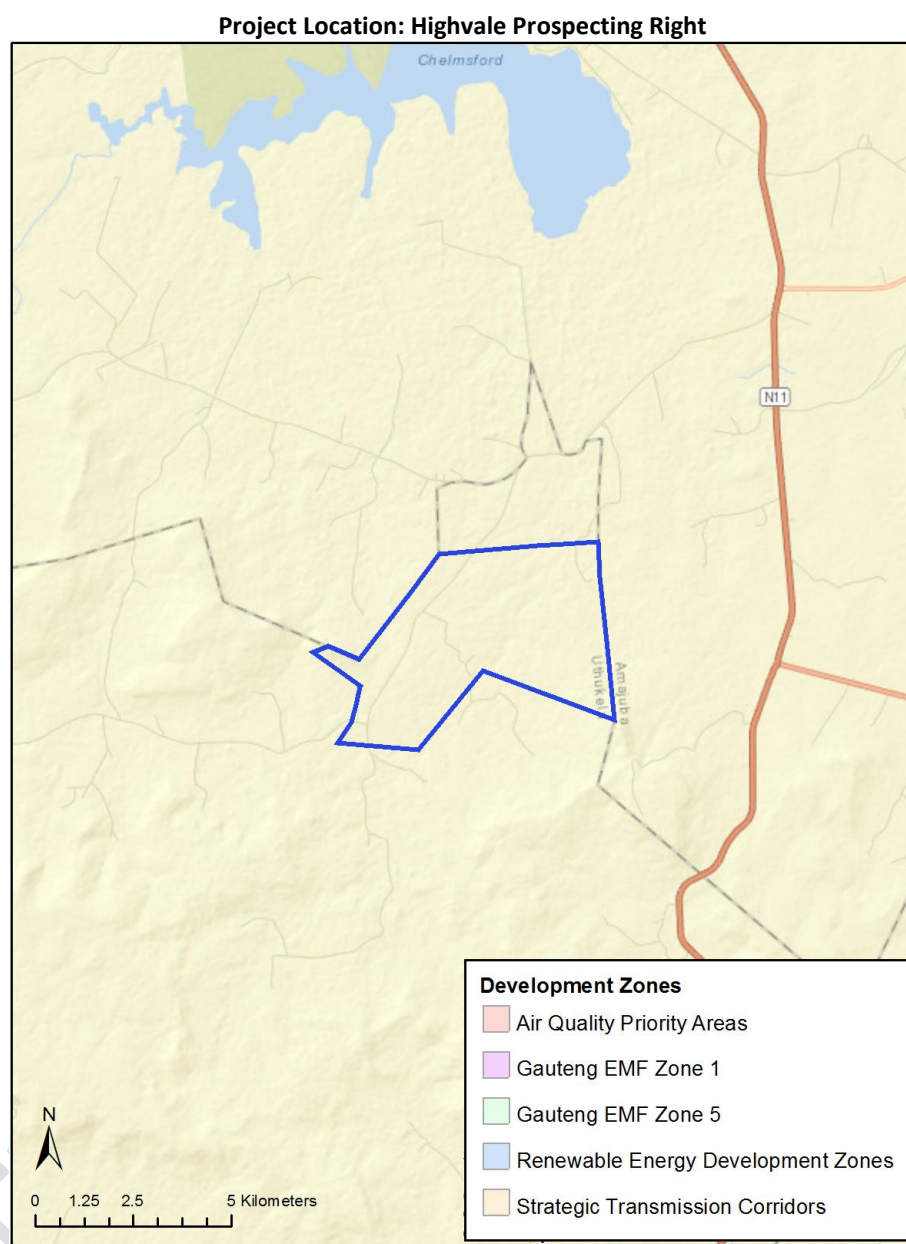
---

<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.

No intersection with any development zones found.

DEVELOPMENT PHASE

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones



### 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			
Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme		X		

Civil Aviation Theme			X	
Paleontology Theme			X	
Defence Theme				X
Terrestrial Biodiversity Theme	X			

### Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, 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.

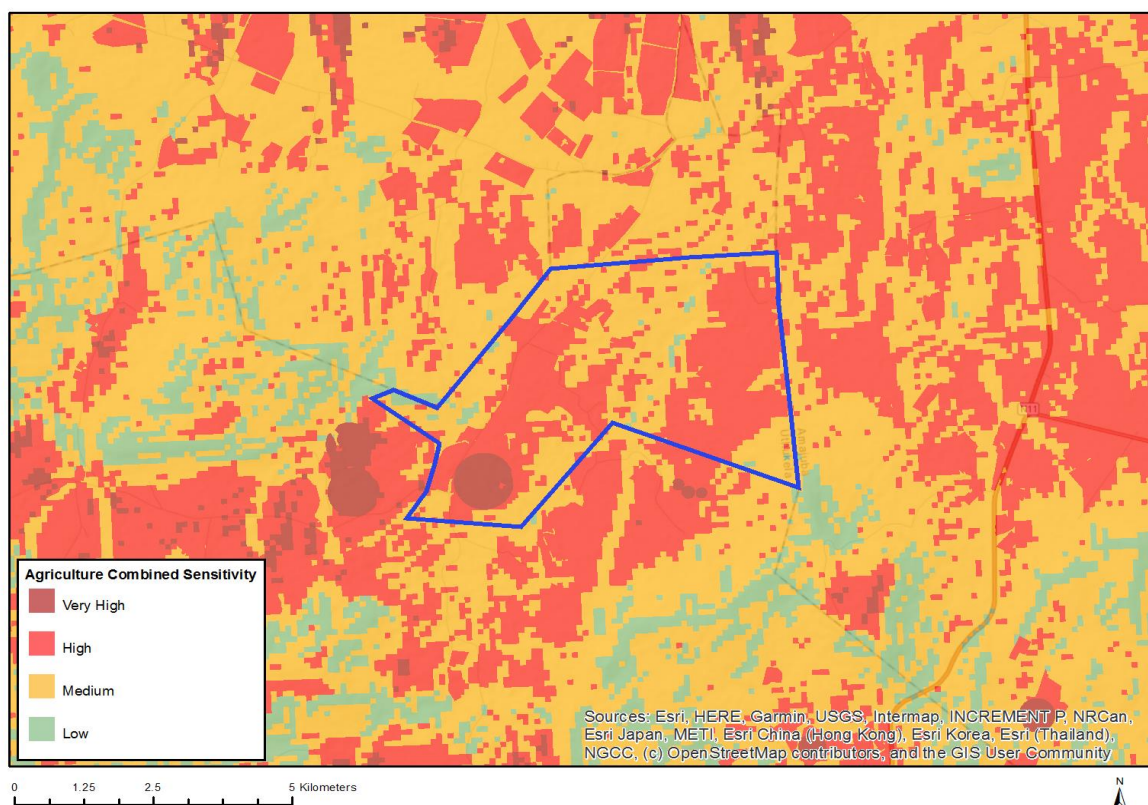
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/DraftAgricultureProtocol.pdf">https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/DraftAgricultureProtocol.pdf</a>
2	Archaeological and Cultural Heritage Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf">https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf</a>
3	Palaeontology Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf">https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf</a>
4	Terrestrial Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf">https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf</a>
5	Aquatic Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf">https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf</a>
6	Noise Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf">https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf</a>
7	Radioactivity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.pdf">https://screening.environment.gov.za/ScreeningDownloads/Assessment/General/Appendix6.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

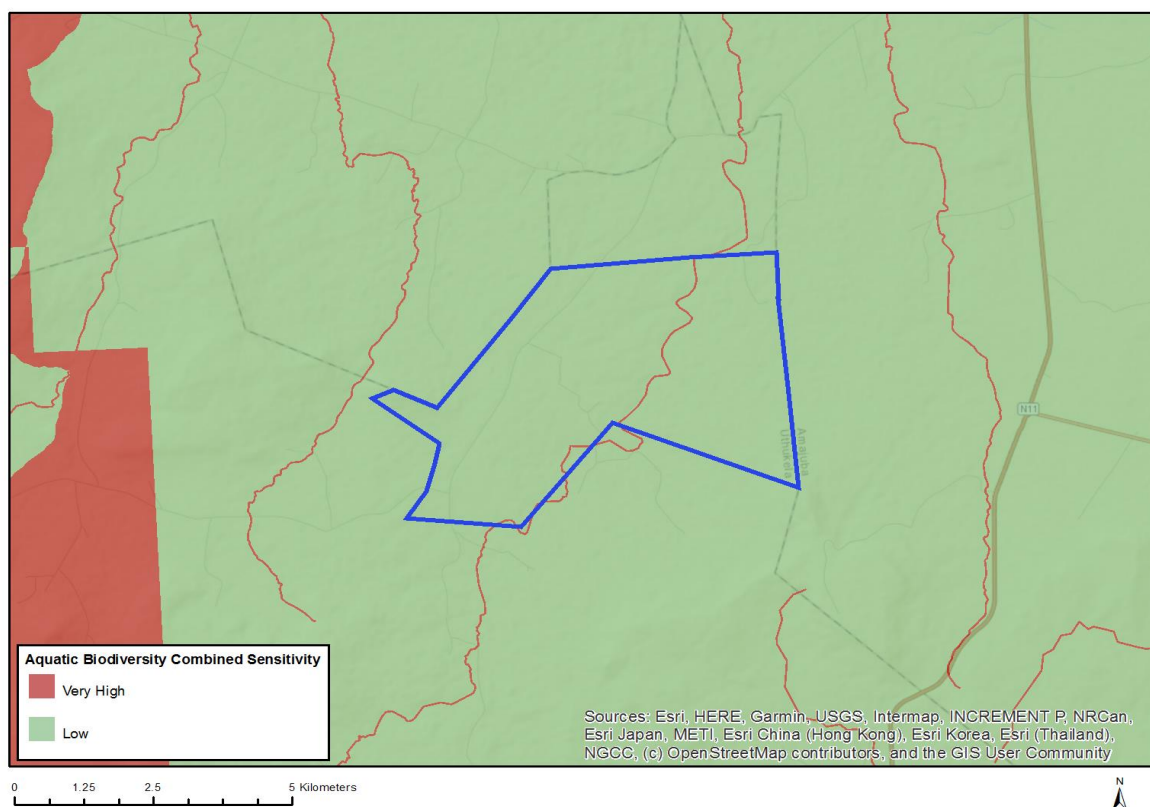


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

### Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;09. Moderate-High/10. Moderate-High
High	Old Fields;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
High	Old Fields;Land capability;09. Moderate-High/10. Moderate-High
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
Very High	Pivot Irrigation;Land capability;09. Moderate-High/10. Moderate-High

## MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

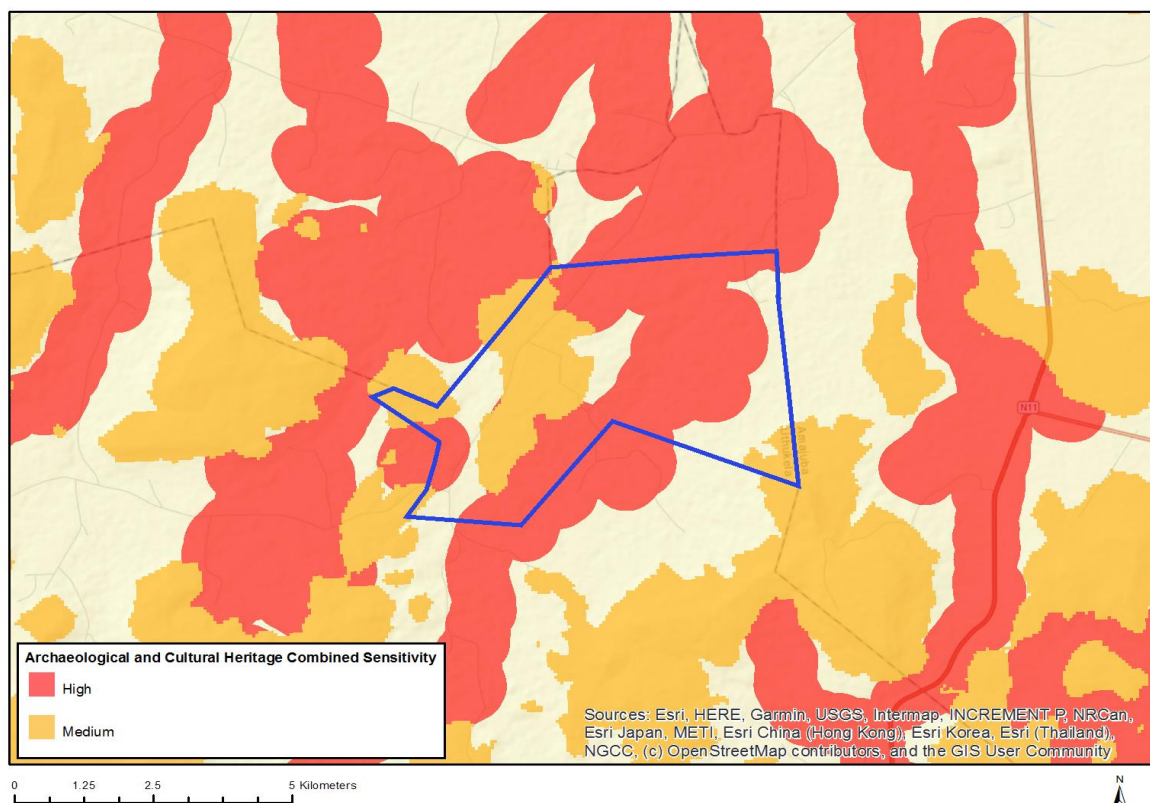


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity Areas
Very High	CBA,River,Manzamnyama

## MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

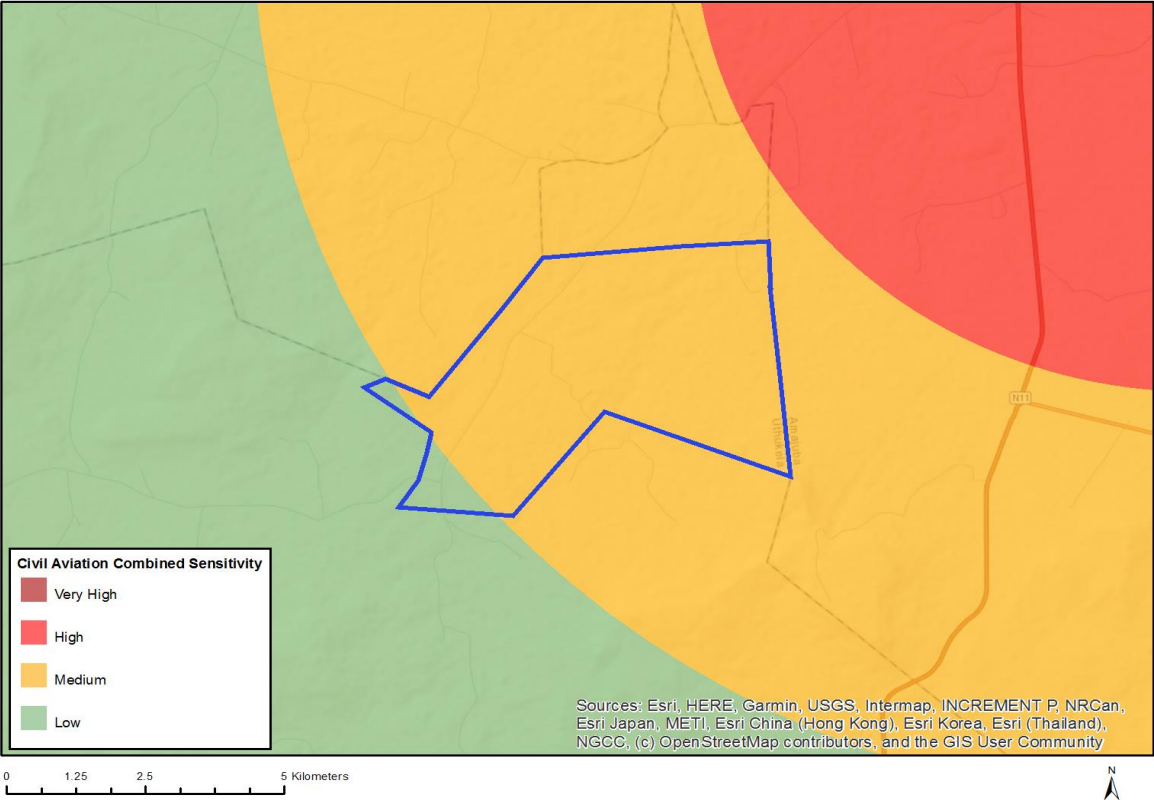


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Within 500 m of an important river
High	Within an important wetland
High	Within 500 m of an important wetland
Medium	Mountain or ridge

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

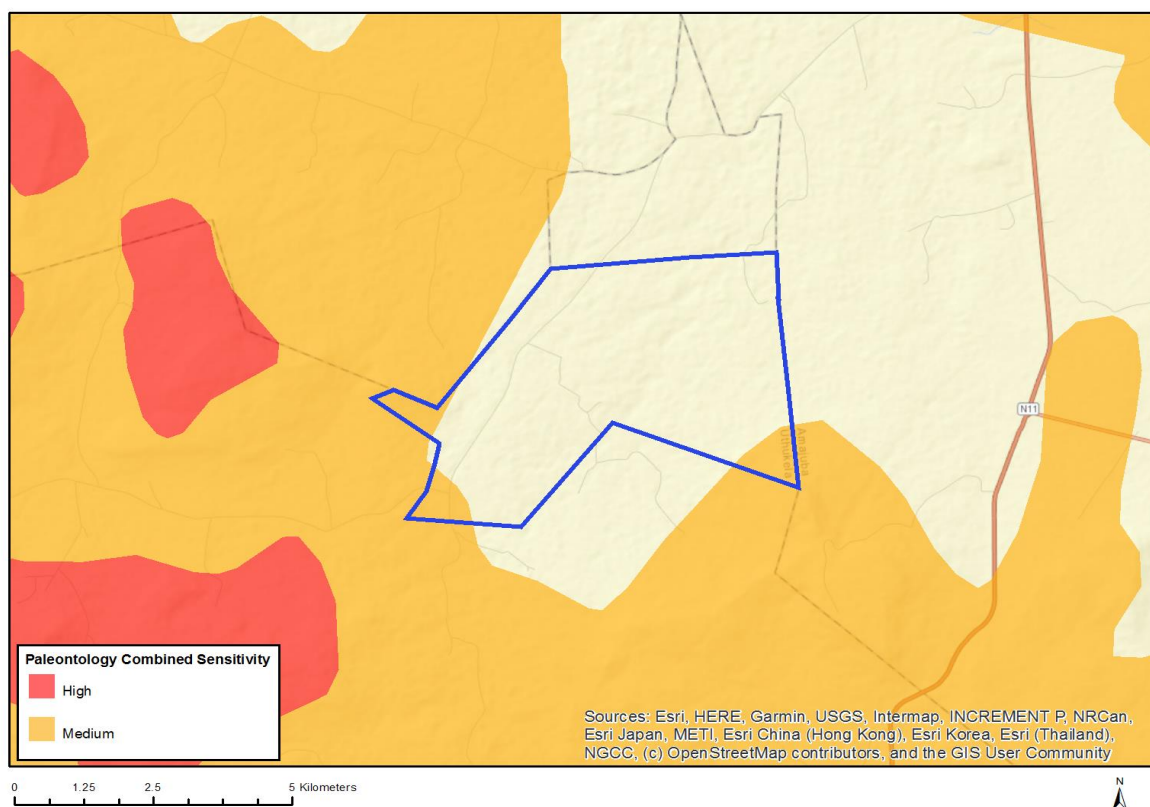


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

## MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



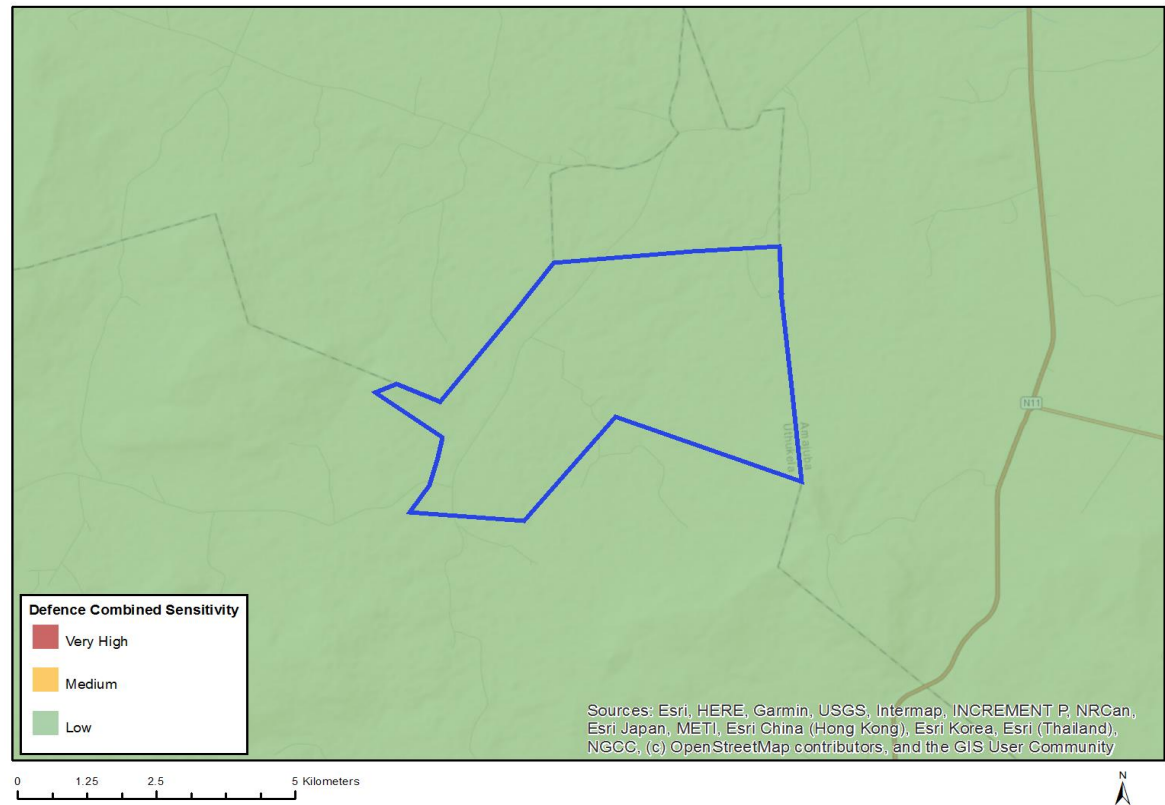
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

### Sensitivity Features:

Sensitivity	Feature(s)
Medium	Rock units with a medium paleontological sensitivity



# MAP OF RELATIVE DEFENCE THEME SENSITIVITY

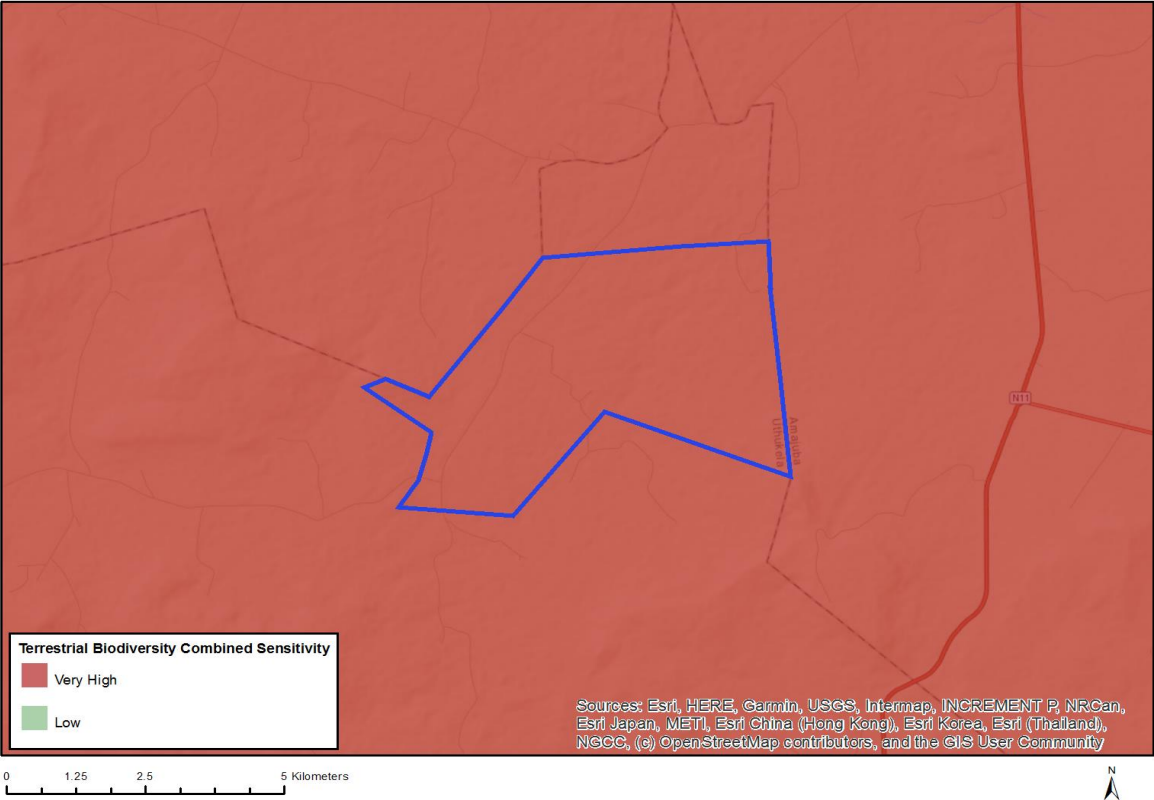


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

## Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA,Conservation area,Protected area,SWSAs,Indigenous forest,FEPA,Focus area for PAES