

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

EIA Reference number: TBC

Project name: Enertrag Mpumalanga EIA

Project title: Camden II Wind Energy Facility

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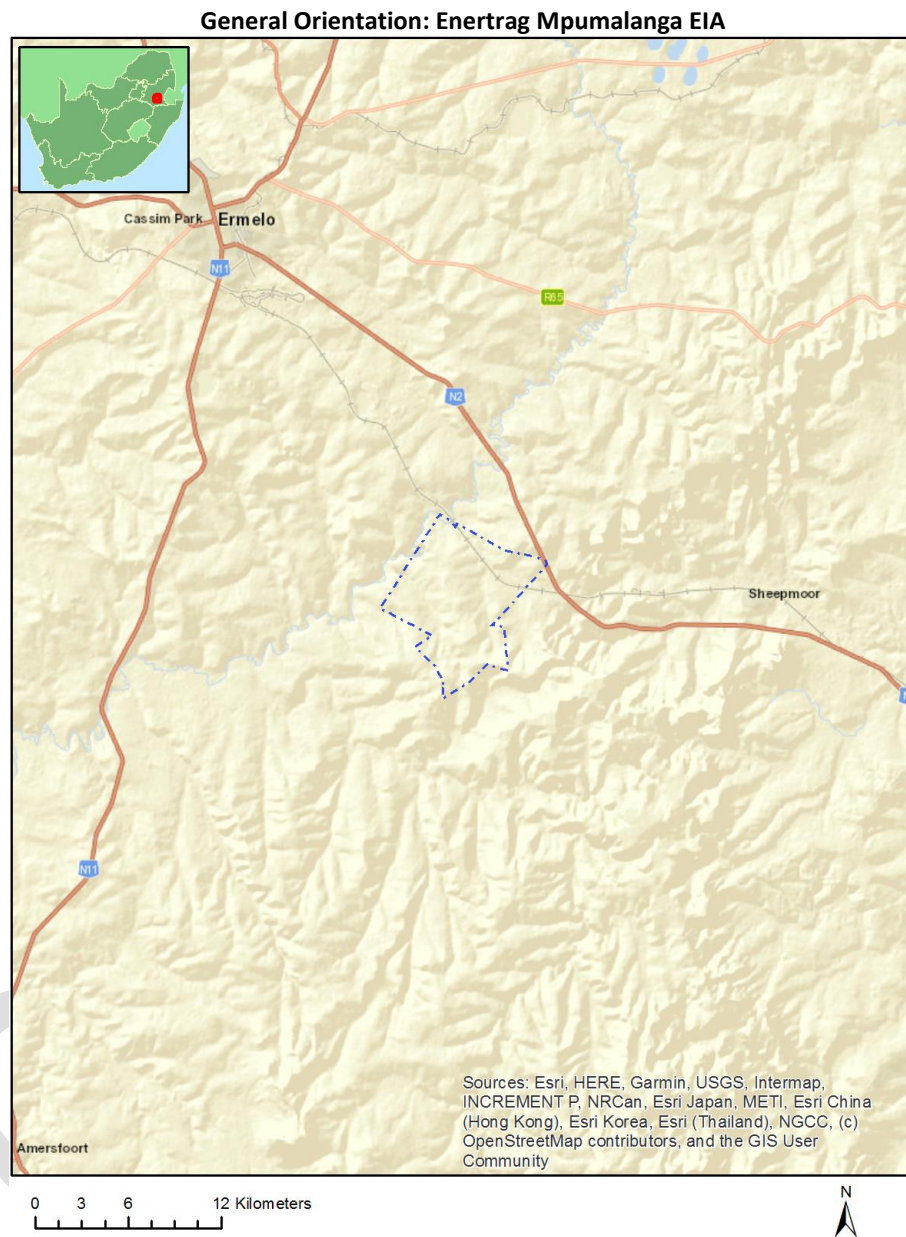
Application Category: Utilities Infrastructure | Electricity | Generation | Renewable | Wind

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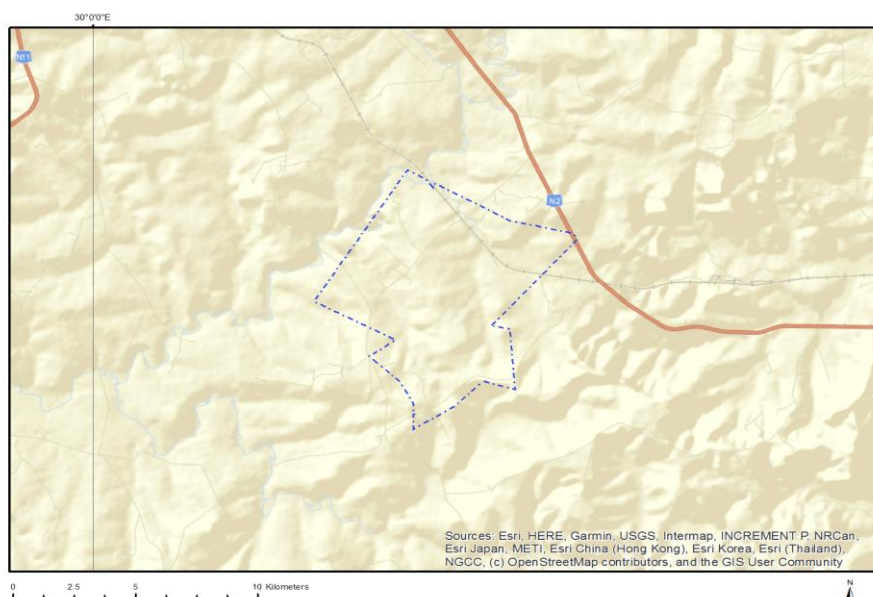
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Proposed Project Location

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	MOOIPLAATS	290	0	26°39'13.15S	30°7'0.5E	Farm
2	WILLEMSDAL	330	0	26°44'37.89S	30°3'56.39E	Farm
3	ADRIANOPE	296	0	26°42'23.31S	30°6'49.6E	Farm
4	BUHRMANSVALLEI	297	0	26°42'48.53S	30°9'34.48E	Farm
5	DE EMIGRATIE	327	0	26°46'5.22S	30°6'28.22E	Farm
6	WELTEVREDEN	289	0	26°39'33.09S	30°10'50.81E	Farm
7	KLIPBANK	295	0	26°41'27.59S	30°5'4.77E	Farm
8	KLIPFONTEIN	326	0	26°45'2.9S	30°9'41.46E	Farm
9	BUHRMANSVALLEI	297	4	26°43'4.12S	30°7'56.97E	Farm Portion
10	WELTEVREDEN	289	12	26°40'42.76S	30°9'42.44E	Farm Portion
11	KLIPBANK	295	2	26°40'29.13S	30°5'45.22E	Farm Portion
12	ADRIANOPE	296	15	26°40'42.97S	30°7'28.56E	Farm Portion
13	DE EMIGRATIE	327	2	26°47'5.24S	30°6'32.34E	Farm Portion
14	DE EMIGRATIE	327	4	26°46'5.13S	30°5'50.18E	Farm Portion
15	MOOIPLAATS	290	3	26°40'32.68S	30°8'11.44E	Farm Portion
16	ADRIANOPE	296	1	26°43'27S	30°6'10.01E	Farm Portion
17	ADRIANOPE	296	6	26°40'43.54S	30°7'26.29E	Farm Portion
18	BUHRMANSVALLEI	297	13	26°42'35.98S	30°9'15.54E	Farm Portion
19	ADRIANOPE	296	3	26°41'59.02S	30°7'35.66E	Farm Portion
20	BUHRMANSVALLEI	297	8	26°42'37.11S	30°9'2.83E	Farm Portion
21	BUHRMANSVALLEI	297	14	26°41'53.91S	30°10'34.74E	Farm Portion
22	KLIPFONTEIN	326	1	26°44'32.16S	30°9'20.71E	Farm Portion
23	DE EMIGRATIE	327	9	26°46'19.26S	30°7'15.53E	Farm Portion
24	ADRIANOPE	296	3	26°41'14.38S	30°8'9.96E	Farm Portion
25	BUHRMANSVALLEI	297	2	26°42'25.16S	30°11'14.07E	Farm Portion
26	BUHRMANSVALLEI	297	0	26°43'22.12S	30°10'18.35E	Farm Portion
27	WILLEMSDAL	330	0	26°44'1.89S	30°4'20.75E	Farm Portion
28	WELTEVREDEN	289	22	26°41'27.04S	30°10'20.81E	Farm Portion
29	KLIPFONTEIN	326	5	26°44'26.13S	30°8'38.5E	Farm Portion

30	DE EMIGRATIE	327	6	26°45'31.18S	30°7'21.13E	Farm Portion
31	DE EMIGRATIE	327	3	26°44'42.45S	30°7'1.46E	Farm Portion
32	WELTEVREDEN	289	15	26°41'39.57S	30°11'26.76E	Farm Portion
33	KLIPBANK	295	0	26°42'5.17S	30°4'43.93E	Farm Portion
34	ADRIANOPE	296	2	26°42'44.49S	30°6'30.47E	Farm Portion
35	ADRIANOPE	296	5	26°41'20.94S	30°7'58.87E	Farm Portion
36	ADRIANOPE	296	0	26°41'28.81S	30°6'50.48E	Farm Portion
37	BUHRMANSVALLEI	297	6	26°42'8.07S	30°8'35.22E	Farm Portion
38	BUHRMANSVALLEI	297	3	26°41'43.66S	30°8'46.46E	Farm Portion
39	BUHRMANSVALLEI	297	11	26°42'0.96S	30°8'32.91E	Farm Portion
40	BUHRMANSVALLEI	297	5	26°42'8.59S	30°9'21.13E	Farm Portion
41	BUHRMANSVALLEI	297	15	26°42'23.11S	30°10'50.4E	Farm Portion
42	WELTEVREDEN	289	7	26°40'52.76S	30°11'14.39E	Farm Portion
43	BUHRMANSVALLEI	297	3	26°42'18.45S	30°8'21.22E	Farm Portion
44	BUHRMANSVALLEI	297	0	26°42'31.87S	30°10'34.54E	Farm Portion
45		327	7	26°45'47.34S	30°7'4.15E	Farm Portion

Development footprint¹ 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 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:

Utilities Infrastructure | Electricity | Generation | Renewable | Wind.

Relevant development incentives, restrictions, exclusions or prohibitions

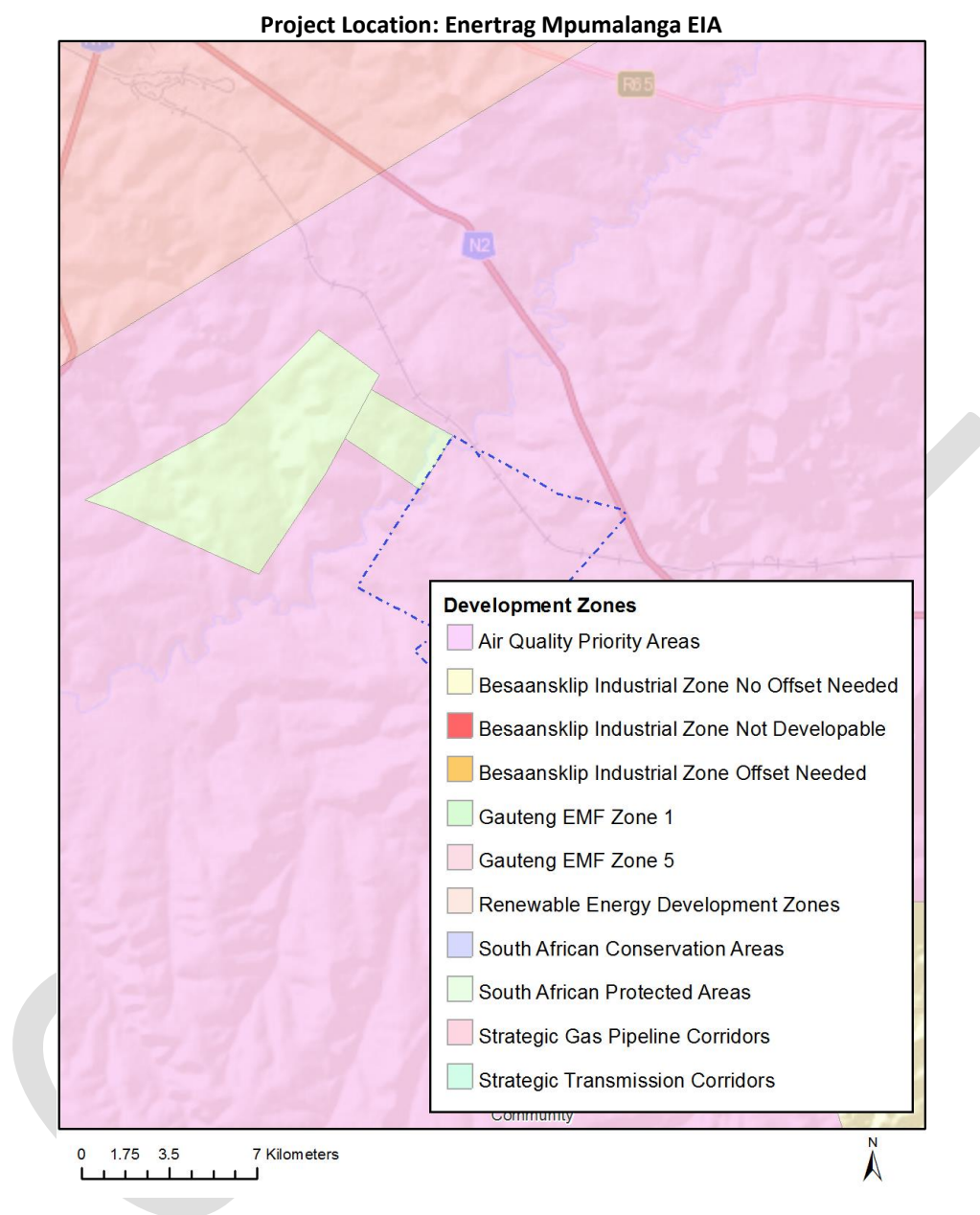
The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incenti	Implication
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¹ "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.

ve, restrict ion or prohibi tion	
Air Quality- Highveld Priority Area	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/HIGHVELD_PRIORITY_AREA_AQMP.pdf
South African Protecte d Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPAD_OR_2021_Q1_Metadata.pdf

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			
Animal Species Theme		X		

Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme				X
Avian (Wind) Theme				X
Bats (Wind) Theme		X		
Civil Aviation (Wind) Theme			X	
Defence (Wind) Theme				X
Flicker Theme	X			
Landscape (Wind) Theme	X			
Paleontology Theme	X			
Noise Theme	X			
Plant Species Theme			X	
RFI (Wind) 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.

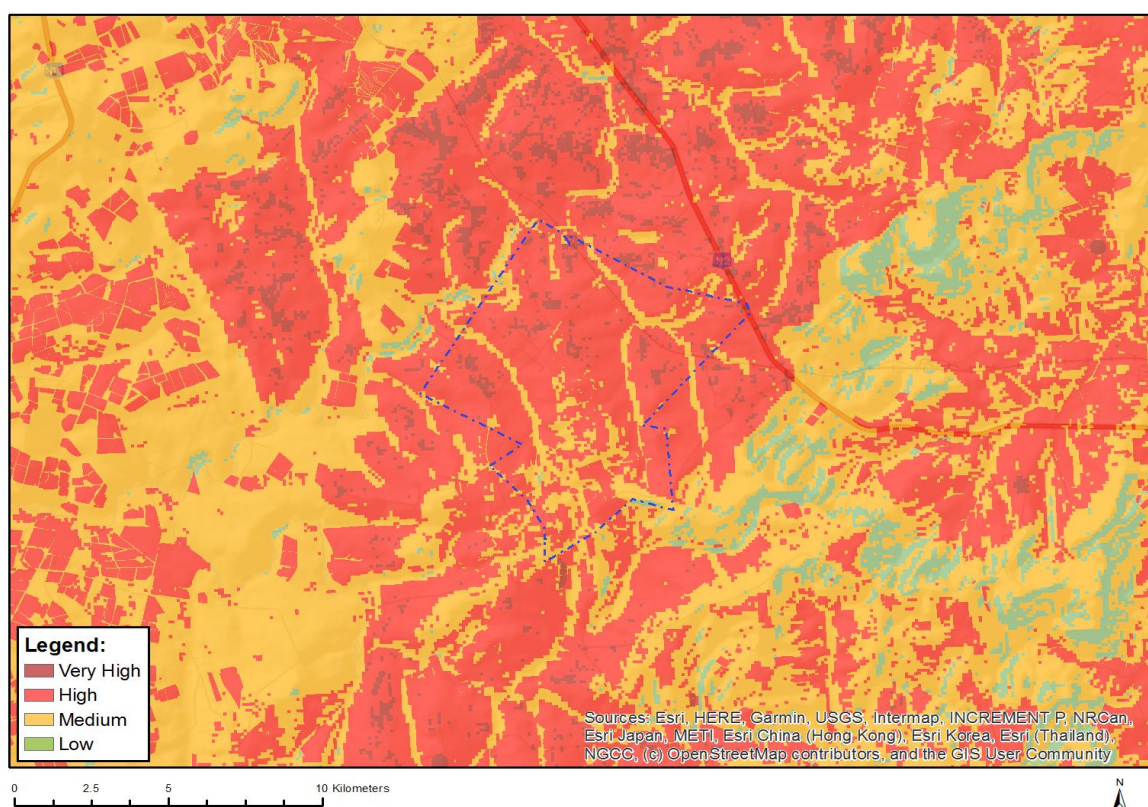
N o	Special ist assess ment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_WindAndSolar_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Paleontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf

6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Avian Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Avifauna_Assessment_Protocols.pdf
8	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
9	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Defence_Installations_Assessment_Protocols.pdf
10	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf
12	Flicker Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
14	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
15	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
16	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
17	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

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



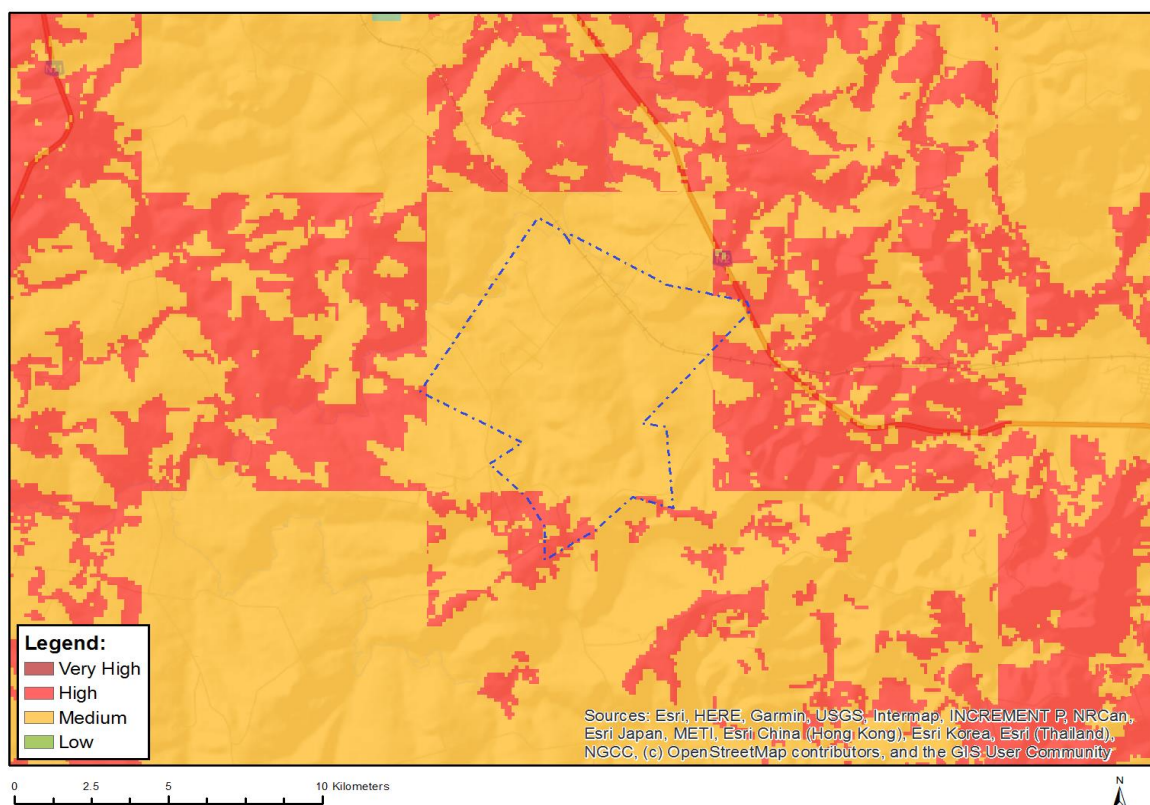
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
High	Old Fields;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
High	Old Fields;Land capability;09. Moderate-High/10. Moderate-High
High	Annual Crop Cultivation / Planted Pastures Rotation;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
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	Land capability;11. High/12. High-Very high/13. High-Very high/14. Very high/15. Very high
Very High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;11. High/12. High-Very high/13. High-Very high/14. Very high/15. Very high

Very High	Old Fields;Land capability;11. High/12. High-Very high/13. High-Very high/14. Very high/15. Very high
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MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



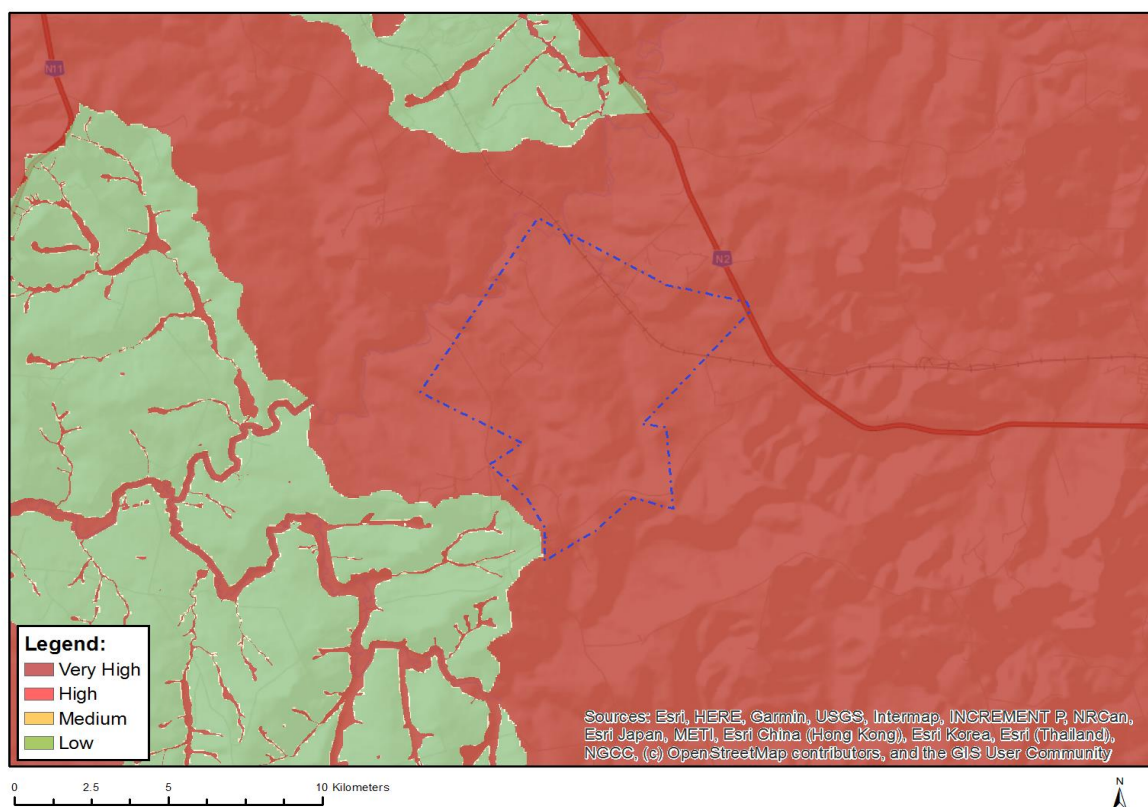
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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-Neotis denhami
High	Aves-Geronticus calvus
Medium	Aves-Tyto capensis
Medium	Sensitive species 2
Medium	Aves-Geronticus calvus
Medium	Aves-Grus carunculata
Medium	Aves-Neotis denhami
Medium	Aves-Sagittarius serpentarius
Medium	Mammalia-Crocidura maquassiensis
Medium	Mammalia-Ourebia ourebi ourebi

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

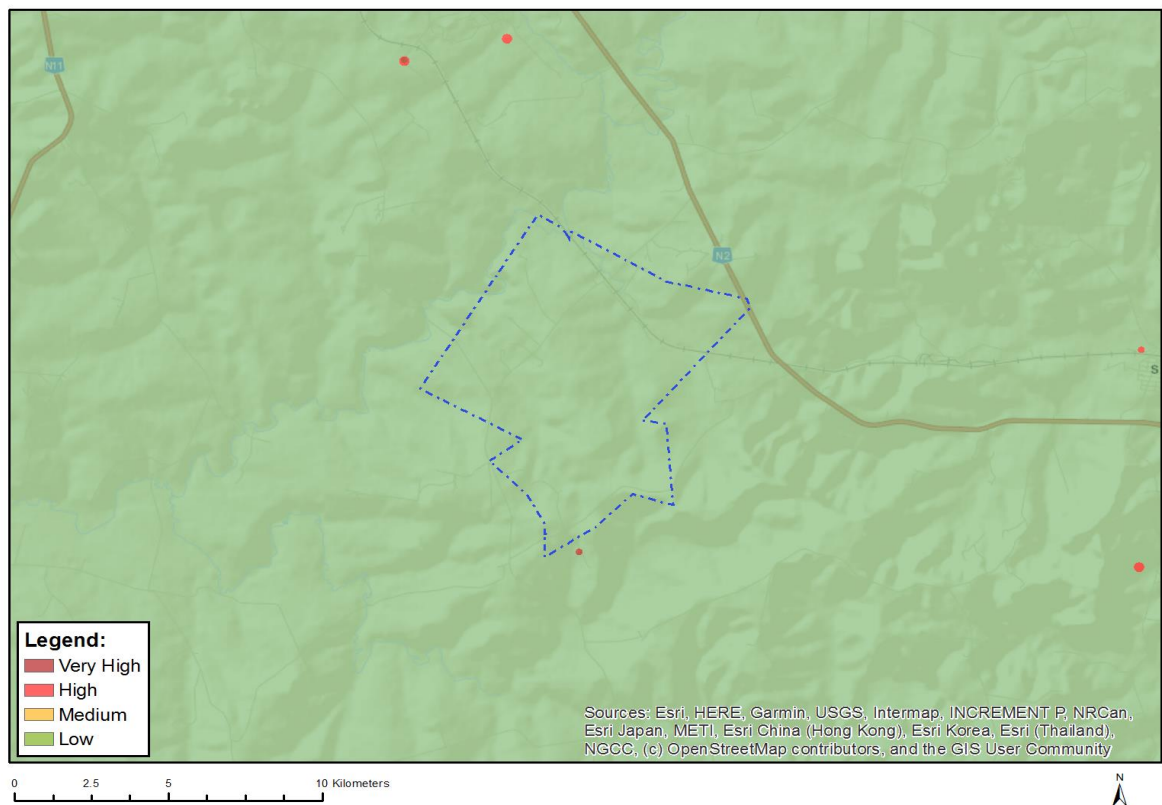


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Aquatic CBAs
Very High	Wetlands and Estuaries
Very High	Freshwater ecosystem priority area quinary catchments

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

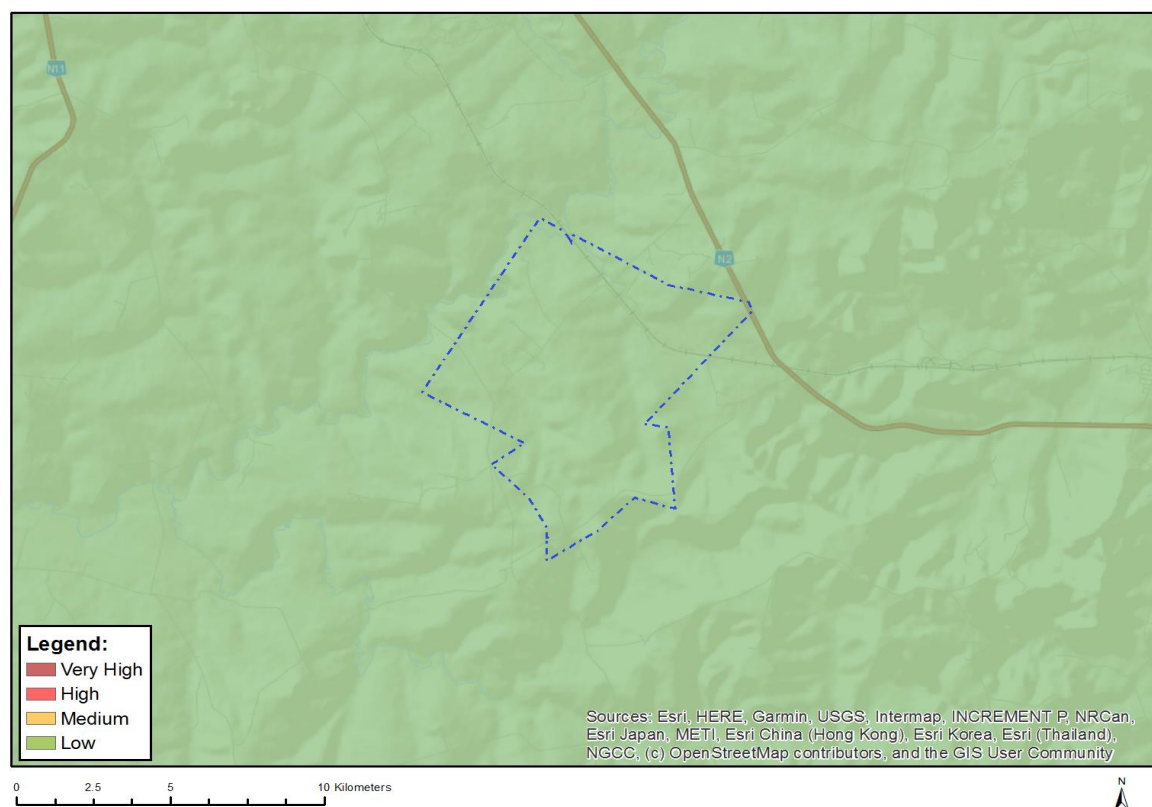


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AVIAN (WIND) THEME SENSITIVITY

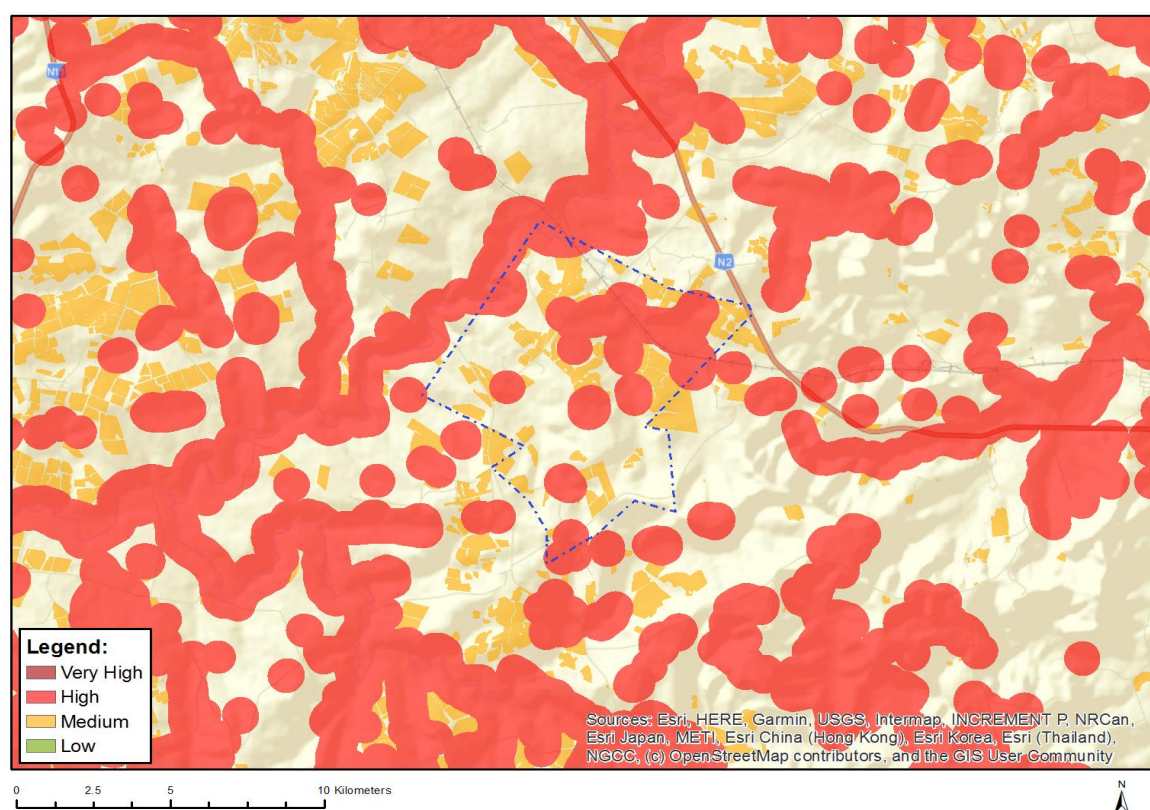


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Area Outside Sensitivities

MAP OF RELATIVE BATS (WIND) THEME SENSITIVITY

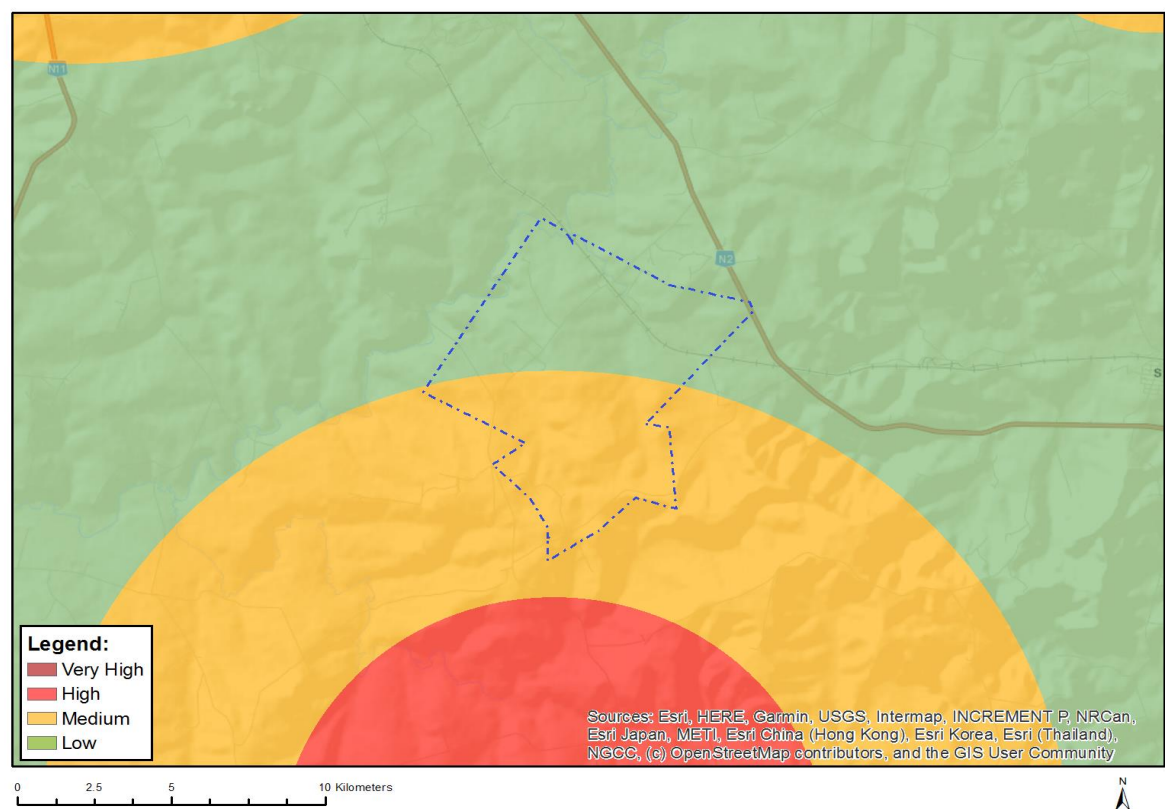


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 500 m of a river
High	Wetland
High	Within 500 m of a wetland
Medium	Croplands

MAP OF RELATIVE CIVIL AVIATION (WIND) 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 DEFENCE (WIND) THEME SENSITIVITY

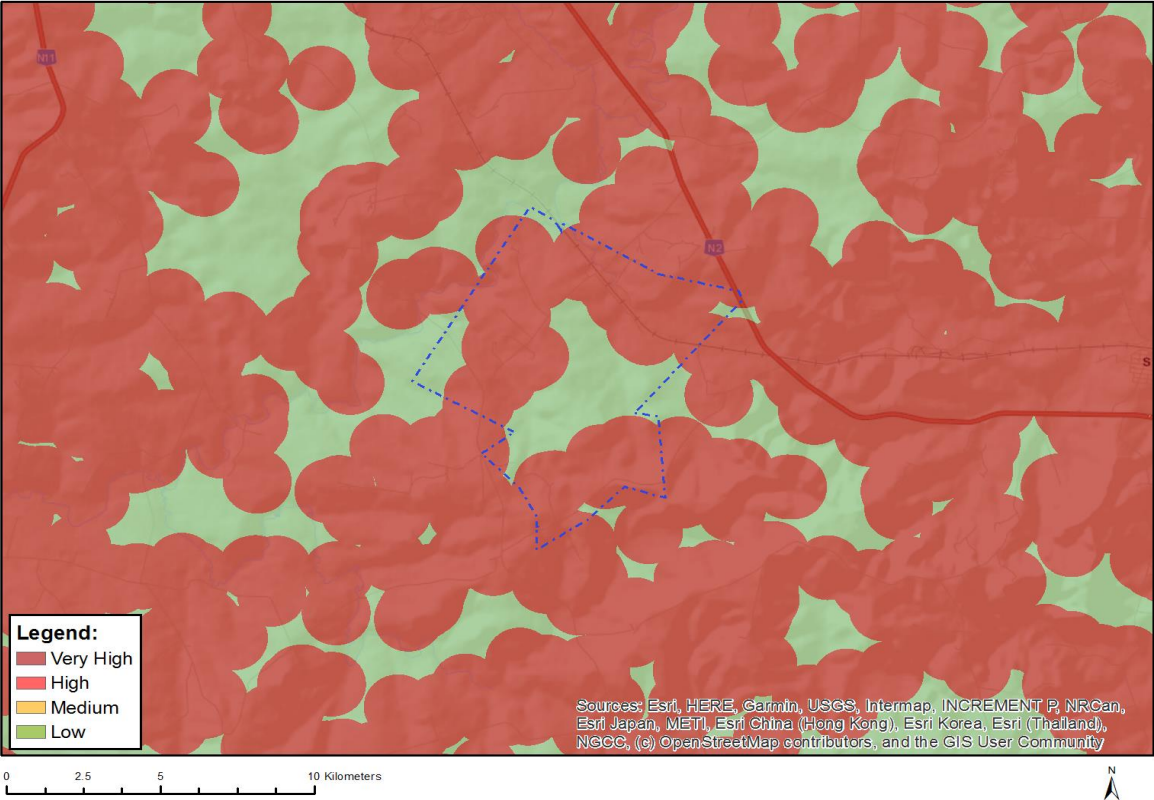


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE FLICKER THEME SENSITIVITY

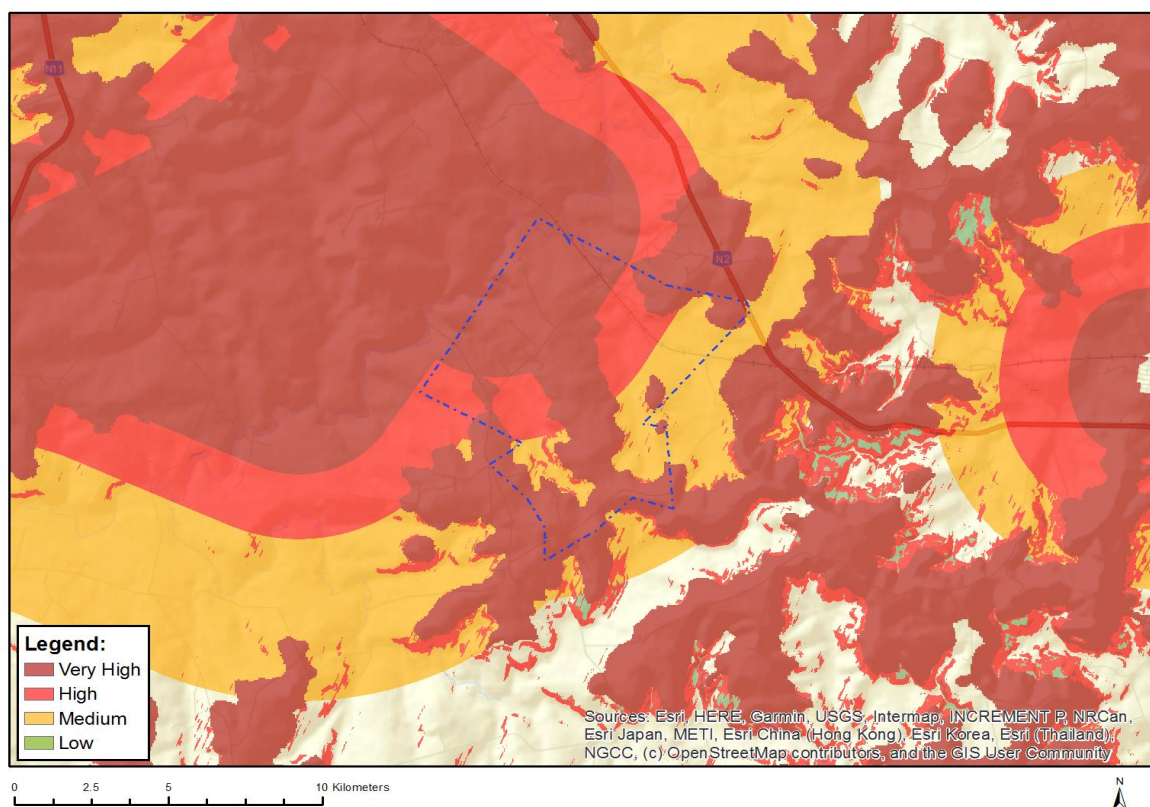


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Area of low sensitivity
Very High	Potential temporarily or permanently inhabited residence

MAP OF RELATIVE LANDSCAPE (WIND) THEME SENSITIVITY

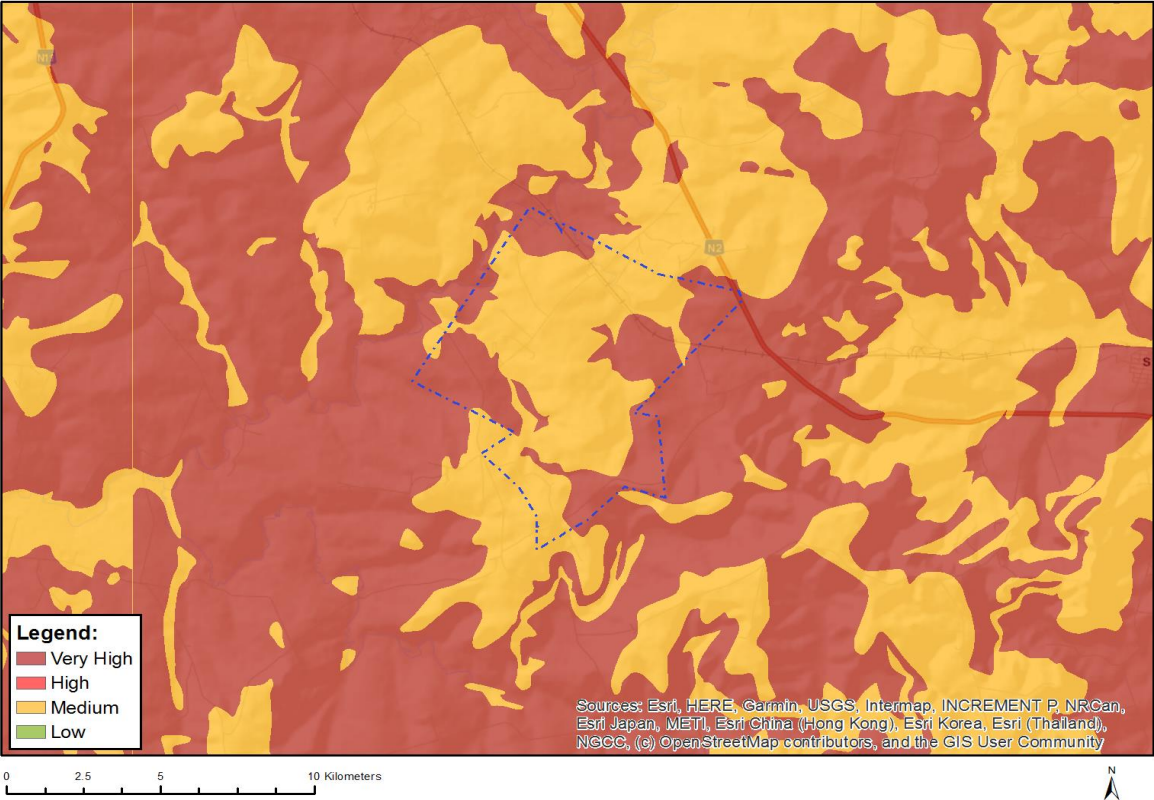


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Between 3 and 5 km of a nature reserve, botanical garden or other protected area
High	Slope between 1:4 and 1:10
Low	Slope less than 1:10
Medium	Between 5 and 10 km of a nature reserve, botanical garden or other protected area
Very High	Within 3 km of a nature reserve, botanical garden or other protected area
Very High	Mountain tops and high ridges
Very High	Slope more than 1:4
Very High	Nature Reserve

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

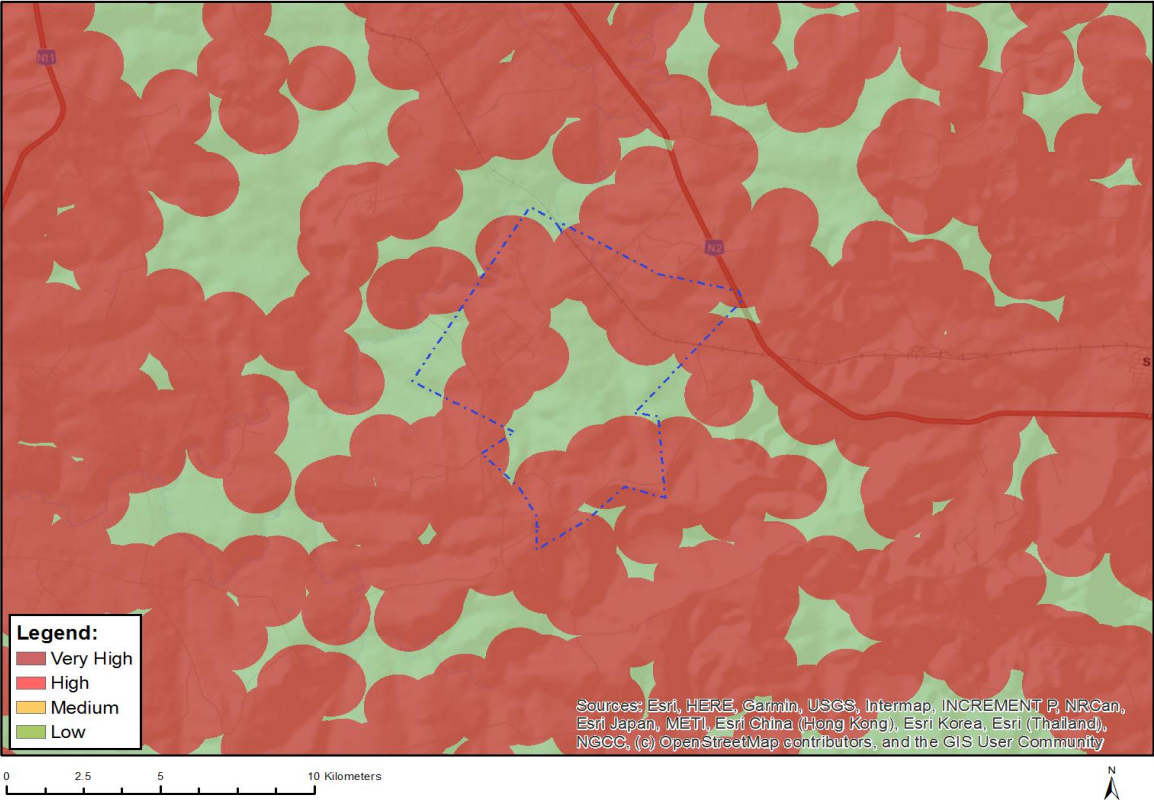


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

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

MAP OF RELATIVE NOISE THEME SENSITIVITY

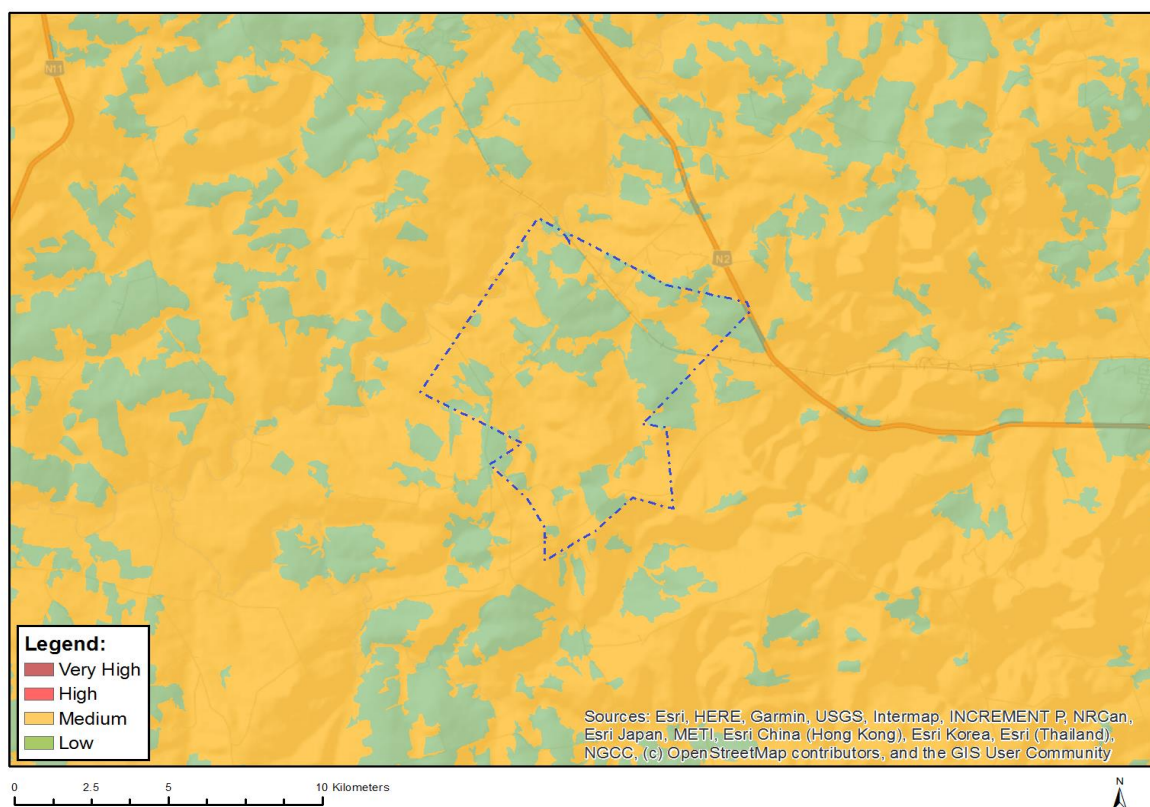


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Area of low sensitivity
Very High	Potential temporarily or permanently inhabited residence

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



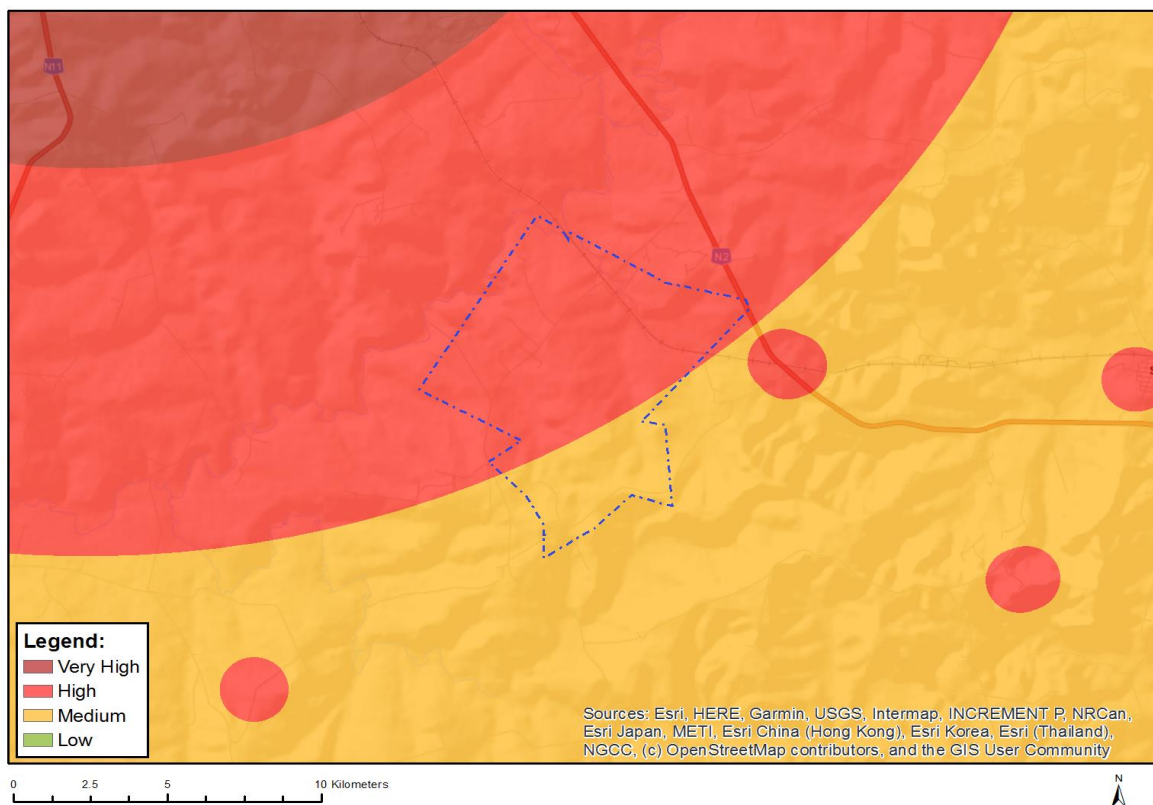
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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
Medium	Sensitive species 1252
Medium	Khadia carolinensis
Medium	Sensitive species 1201
Medium	Aspidoglossum xanthosphaerum
Medium	Khadia alticola
Medium	Lotononis amajubica
Medium	Sensitive species 41
Medium	Sensitive species 691
Medium	Sensitive species 998
Medium	Sensitive species 1219
Medium	Pachycarpus suaveolens
Medium	Sensitive species 321
Medium	Sensitive species 851
Medium	Zaluzianskya distans

MAP OF RELATIVE RFI (WIND) THEME SENSITIVITY

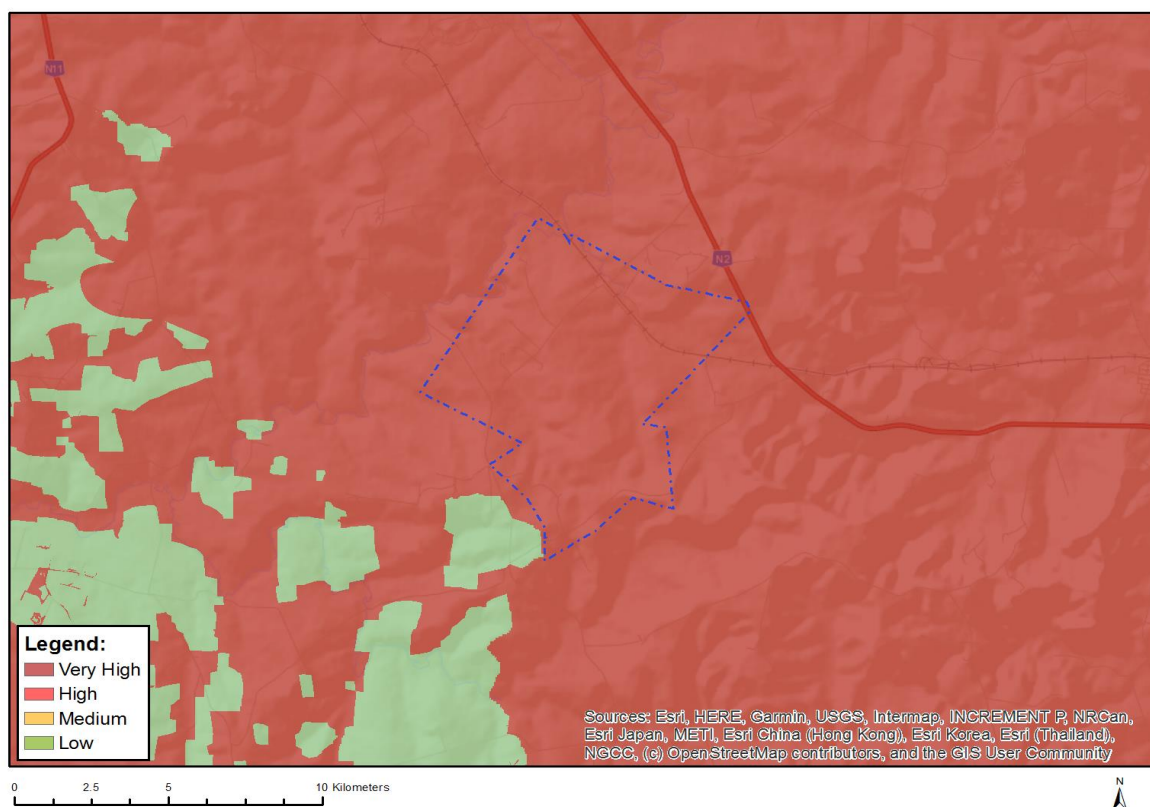


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Low sensitivity for telecommunications;None;Between 18 and 30 km from a Weather Radar installation and within the radar's line of sight
Medium	Low sensitivity for telecommunications;None;Between 30 and 60 km from a Weather Radar installation and within the radar's line of sight

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Critical biodiversity area 1
Very High	Critical biodiversity area 2
Very High	Ecological support area: local corridor
Very High	FEPA Subcatchments
Very High	Langcarel Private Nature Reserve
Very High	Endangered ecosystem
Very High	Protected Areas Expansion Strategy
Very High	Strategic Water Source Areas