

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

EIA Reference number: 1680

Project name: EIA

Project title: Droogfontein

Date screening report generated: 03/03/2025 10:48:47

Applicant: Aquafarming

Compiler: EIMS

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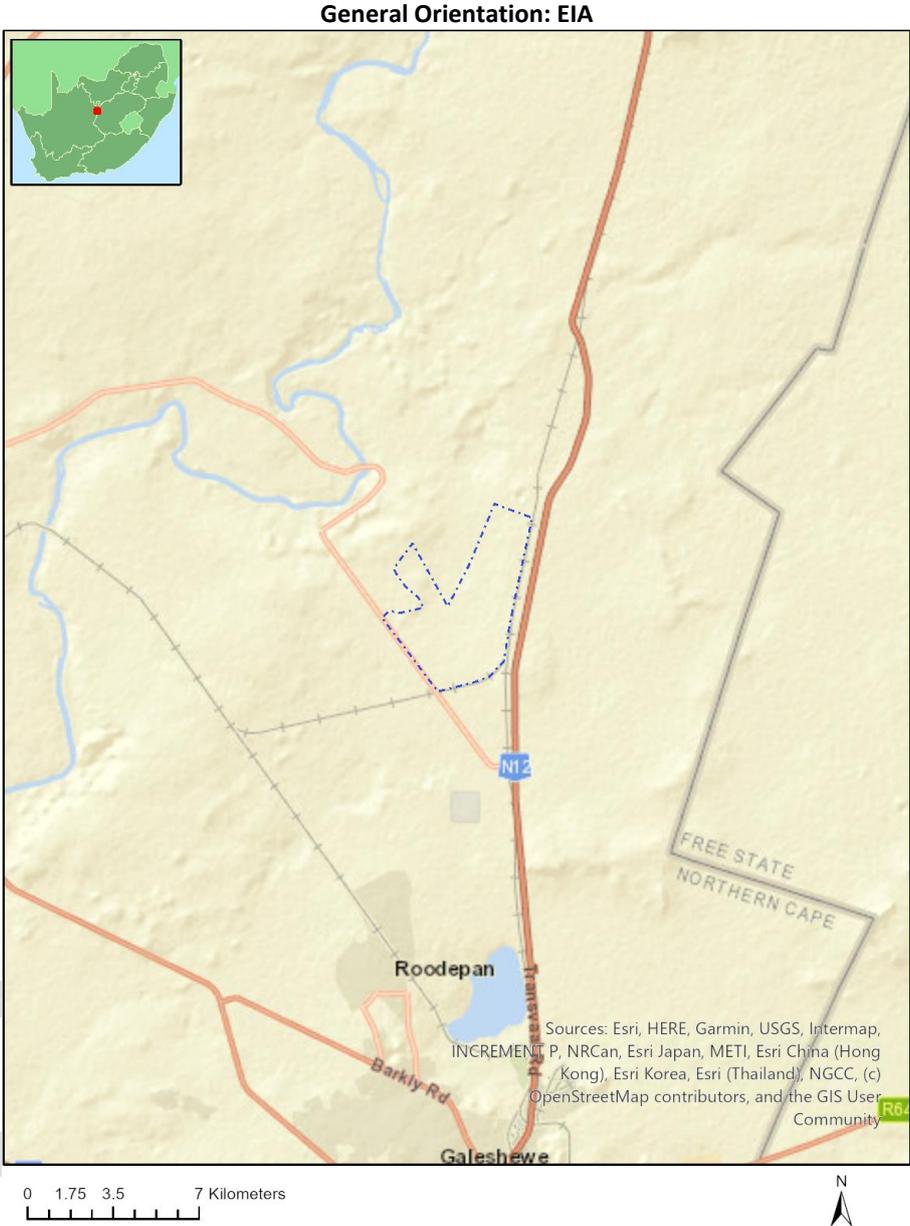
Application Category: Agriculture_Forestry_Fisheries|Crop Production

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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	BULPAN	51	0	28°32'53.43S	24°45'26.07E	Farm
2	WITPAN	52	0	28°31'37.58S	24°45'50.06E	Farm
3	DROOGFONTEIN	62	0	28°34'59.14S	24°43'8.21E	Farm
4	EERSTE AAN LEG	50	0	28°34'2.26S	24°46'51.39E	Farm
5	EERSTE AAN LEG	50	2	28°33'52.59S	24°45'33.65E	Farm Portion
6	BULPAN	51	0	28°32'52.99S	24°45'28.04E	Farm Portion
7	WITPAN	52	0	28°31'37.53S	24°45'53.3E	Farm Portion
8	DROOGFONTEIN	62	19	28°32'12.74S	24°43'31.93E	Farm Portion
9	DROOGFONTEIN	62	13	28°32'26.63S	24°43'38.89E	Farm Portion
10	DROOGFONTEIN	62	15	28°33'24.11S	24°43'37.65E	Farm Portion
11	DROOGFONTEIN	62	16	28°32'23.86S	24°43'49.91E	Farm Portion

Development footprint¹ vertices:

No development footprint(s) specified.

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.

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	12/12/20/2148/A1	Solar PV	Approved	26.1
2	12/12/20/2138/AM5	Solar PV	Approved	3.8
3	12/12/20/2138/AM4	Solar PV	Approved	3.8
4	12/12/20/2024	Solar - CSP and Solar PV	Approved	0
5	12/12/20/2024/1/1/AM3	Solar PV	Approved	1.7
6	12/12/20/2124	Solar PV	Approved	3.8
7	12/12/20/2024/2	Solar PV	Approved	0
8	12/12/20/2148	Solar PV	Approved	26.1
9	12/12/20/2251/2/AM3	Solar - CSP	Approved	9.3
10	12/12/20/2251/1/AM1	Solar PV	Approved	14.8
11	14/12/16/3/3/1/508/1	Solar - CSP and Solar PV	Approved	1.7
12	12/12/20/2251/2/AM5	Solar - CSP	Approved	9.3
13	14/12/16/3/3/1/2647	Solar PV	Approved	0
14	14/12/16/3/3/2/307/AM1	Solar PV	Approved	3.8
15	12/12/20/2024/1/1/AM6	Solar PV	Approved	1.7
16	12/12/20/2024/1/AM3	Solar PV	Approved	0
17	12/12/20/2138/A1	Solar PV	Approved	17.1
18	12/12/20/2251/1	Solar PV	Approved	14.8
19	14/12/16/3/3/2/307	Solar PV	Approved	3.8
20	12/12/20/2024/1/1	Solar PV	Approved	0
21	14/12/16/3/3/1/2259	Solar PV	Approved	1.7
22	12/12/20/2024/1/1/AM5	Solar PV	Approved	1.7
23	12/12/20/2024/1A	Solar PV	Approved	1.7
24	14/12/16/3/3/1/505	Solar PV	Approved	3
25	12/12/20/2251/1/AM2	Solar PV	Approved	14.8
26	12/12/20/2251/2	Solar - CSP	Approved	9.3
27	12/12/20/2024/1/1/AM8	Solar PV	Approved	1.7
28	12/12/20/2138/AM3	Solar PV	Approved	17.1
29	12/12/20/2138	Solar PV	Approved	17.1
30	12/12/20/2251/2/A2	Solar - CSP	Approved	9.3
31	14/12/16/3/3/1/429	Solar PV	Approved	13.5
32	12/12/20/2024/1/1/AM4	Solar PV	Approved	0
33	14/12/16/3/3/1/2693	Solar PV	Approved	0

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.

Incentive, restriction or prohibition	Implication
Renewable energy development zones 5- Kimberley	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_REDZ.pdf
Main Electricity Distribution Substation	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Distribution_Transmission.pdf

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.

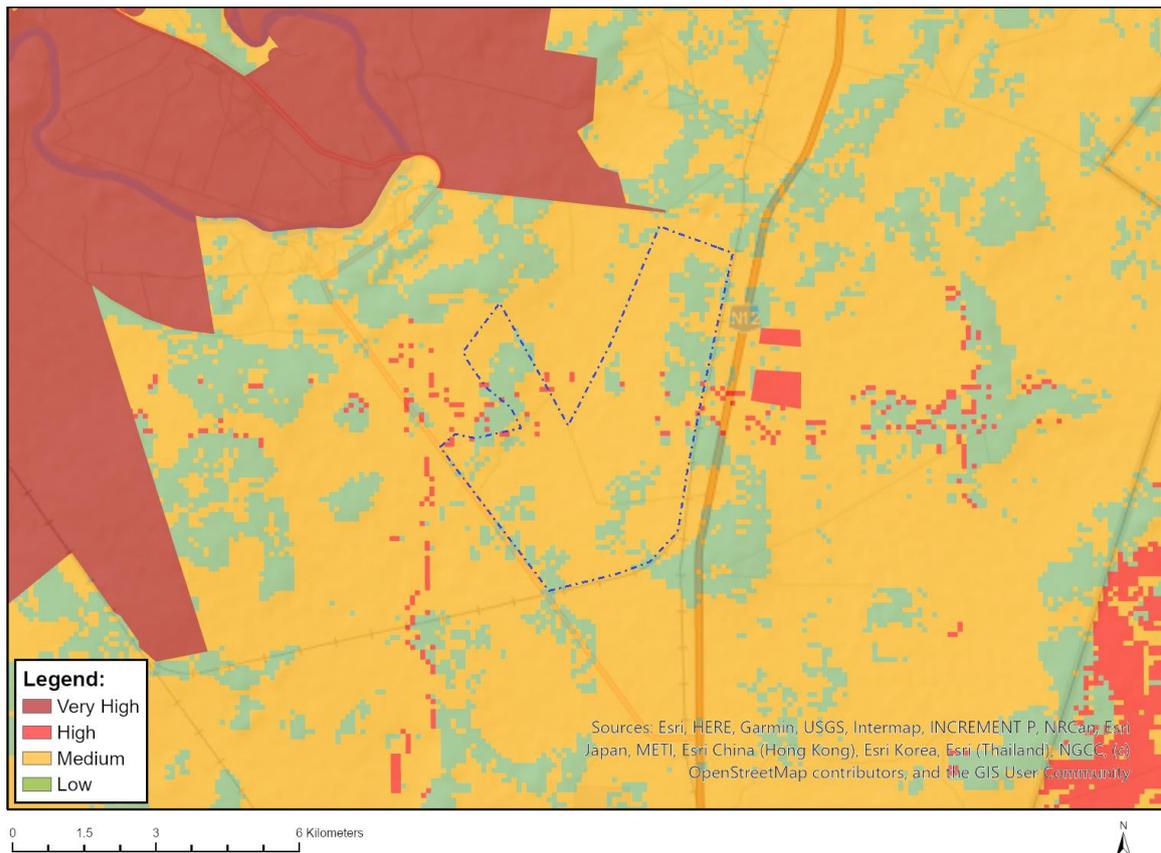
No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Archaeological and	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Archaeological_Assessment_Protocols.pdf

	Cultural Heritage Impact Assessment	ssmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Palaeontology 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	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
8	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
9	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
10	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

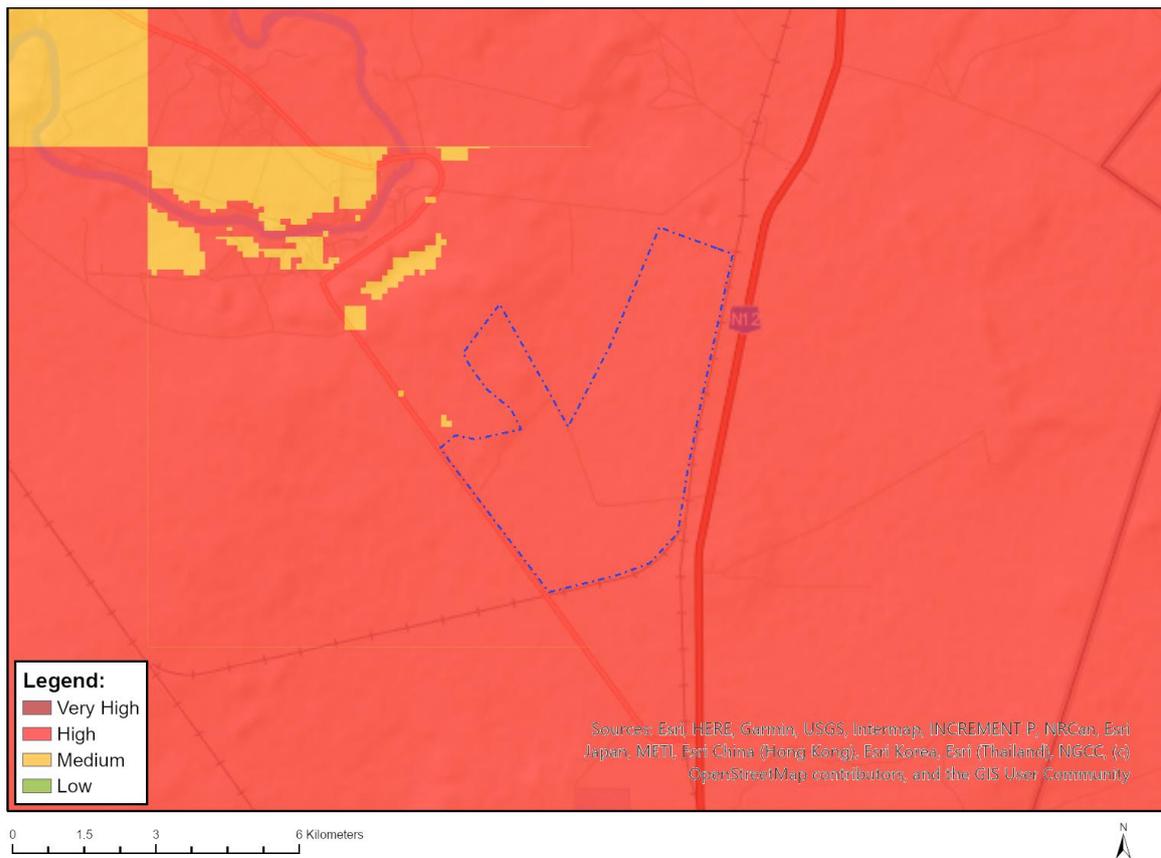


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	08. Moderate
Low	04. Low-Very low
Low	05. Low
Medium	06. Low-Moderate
Medium	07. Low-Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



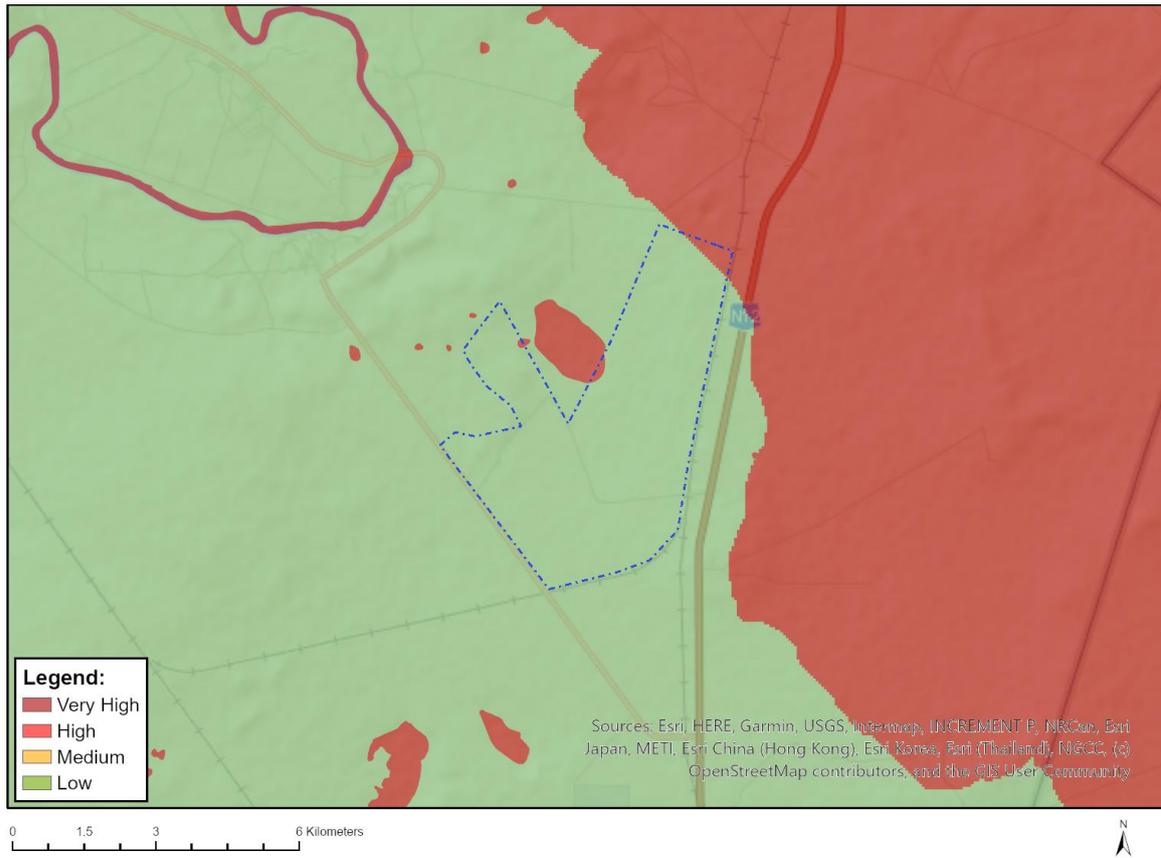
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 ludwigii
High	Aves-Gyps africanus
Medium	Aves-Sagittarius serpentarius
Medium	Aves-Gyps africanus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

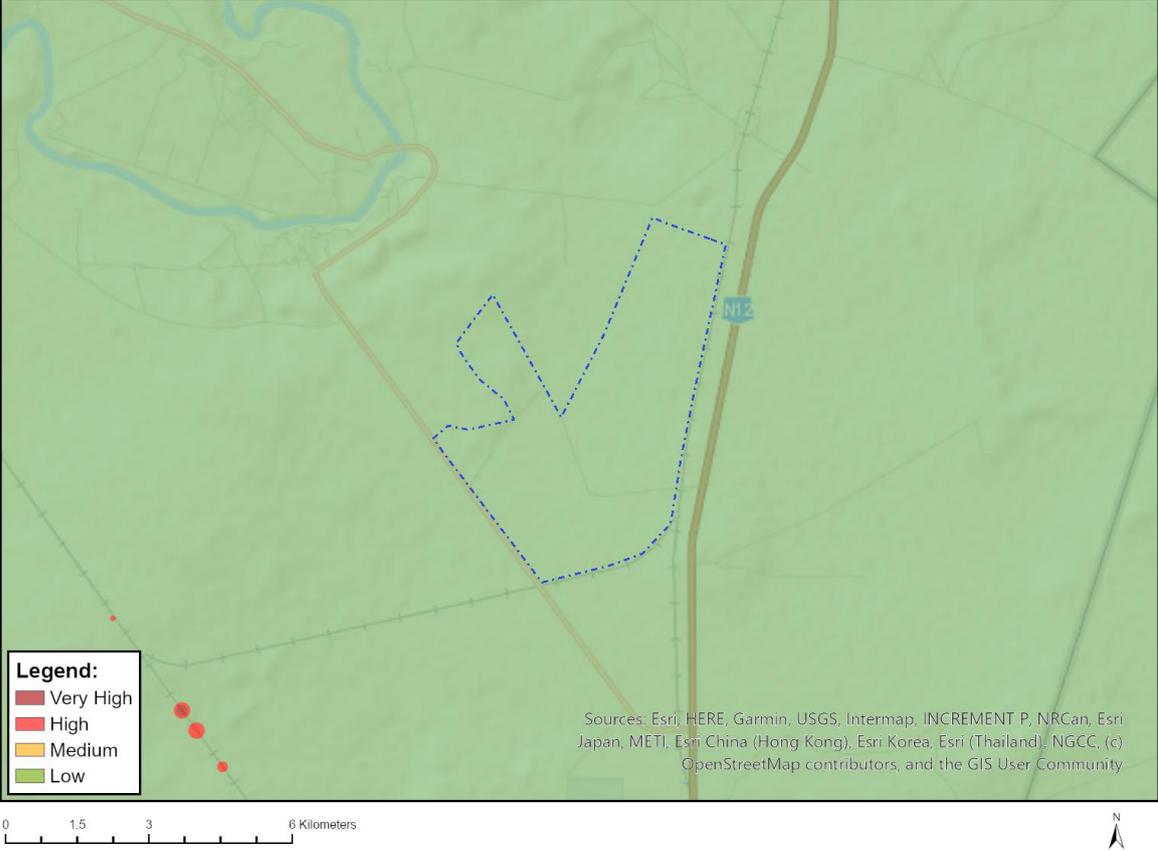


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	FEPA Subcatchment
Very High	Wetlands_Eastern Kalahari Bushveld Bioregion (Depression)

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

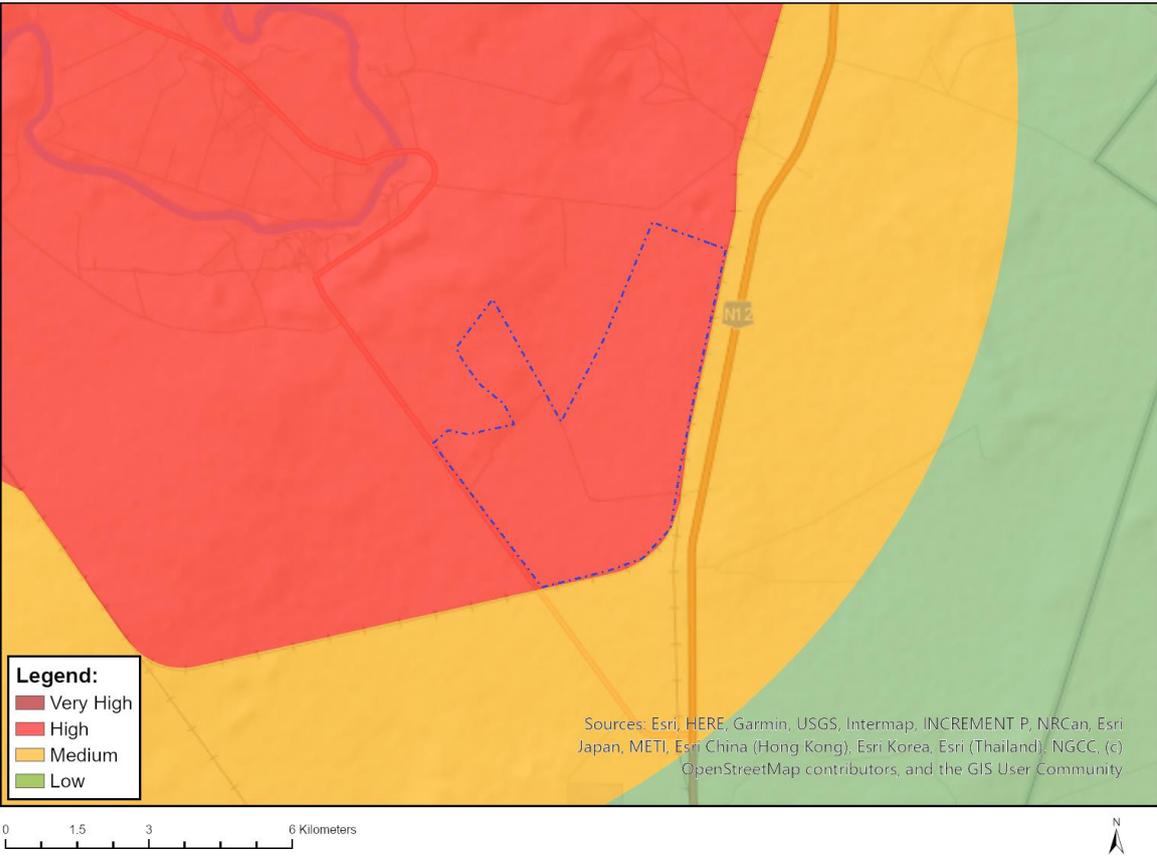


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

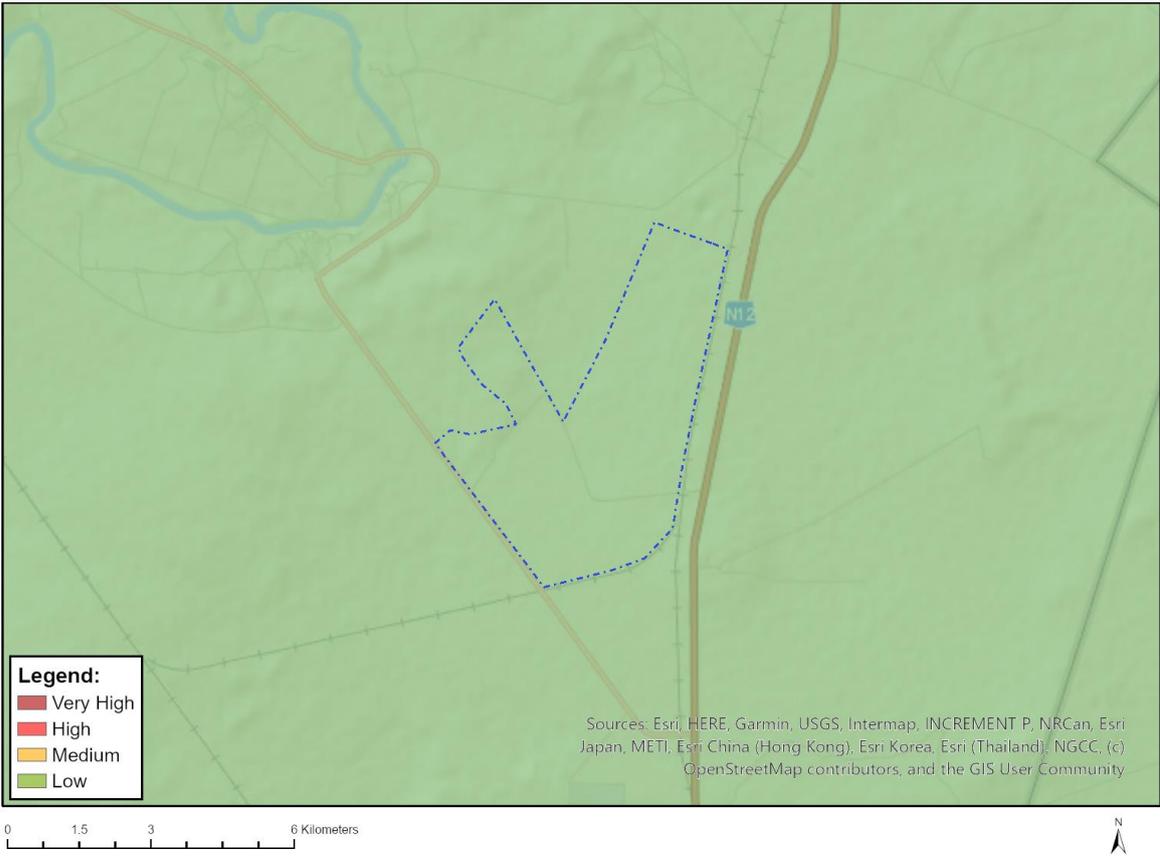


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
High	Dangerous and restricted airspace as demarcated
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

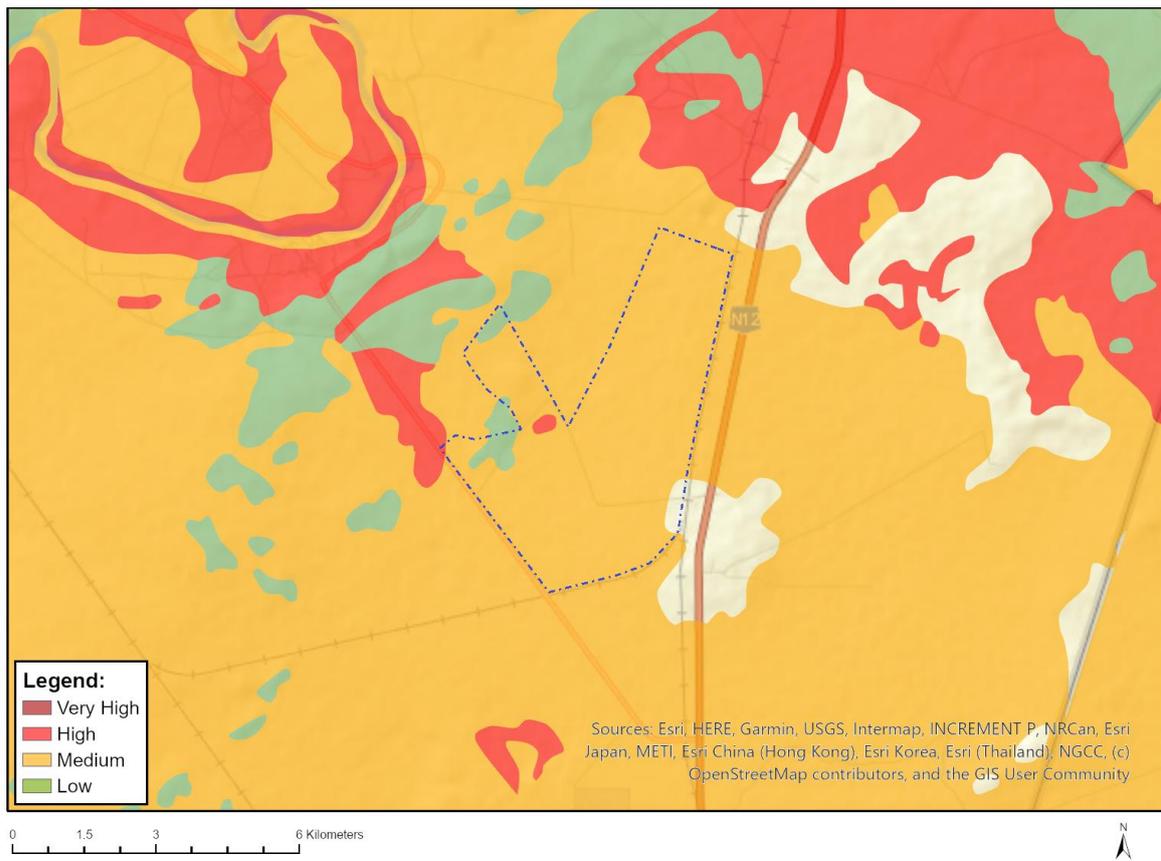


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

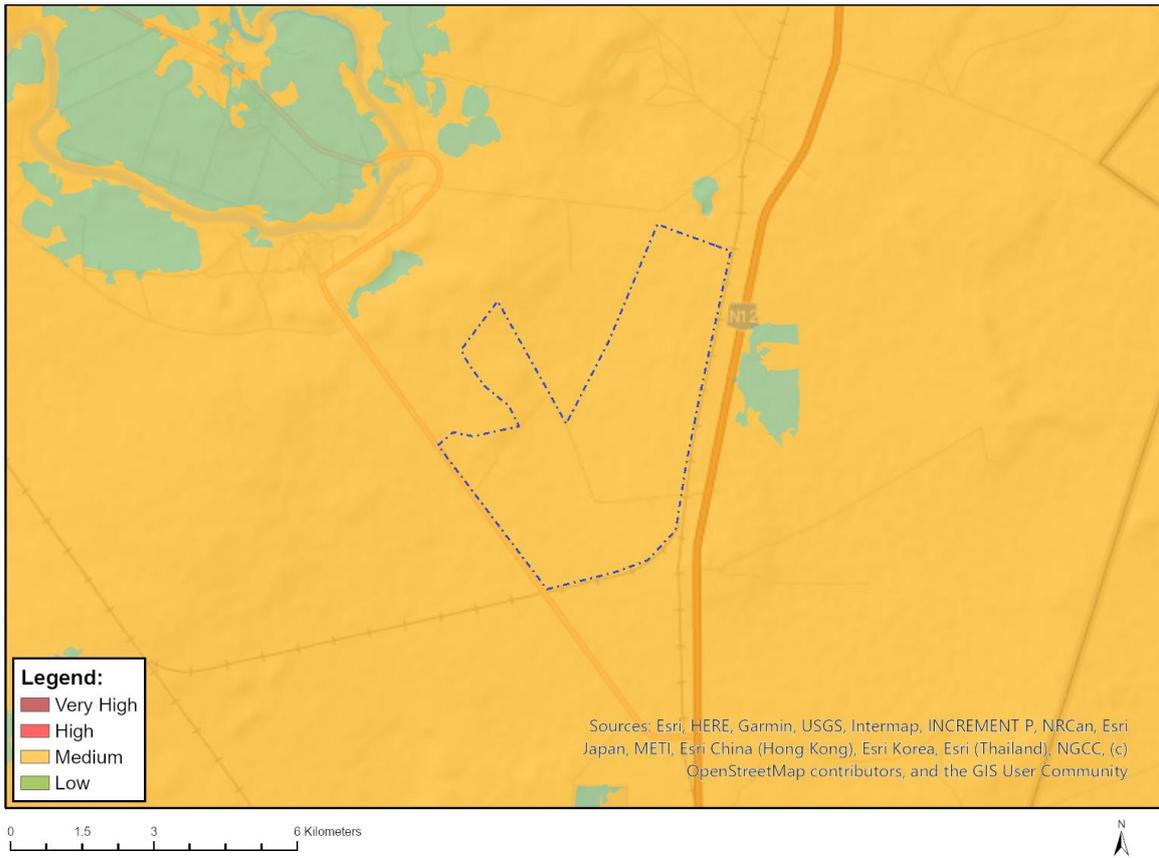


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



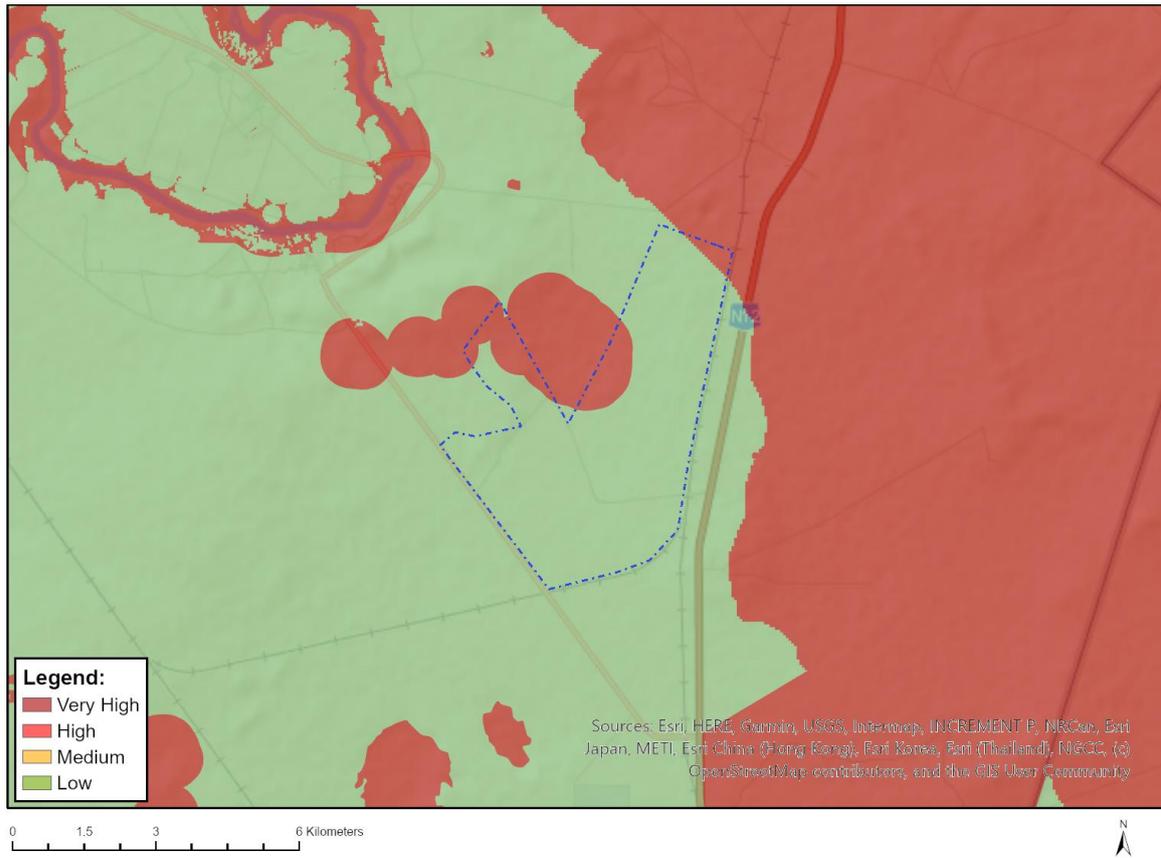
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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Sensitive species 257

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
Very High	CBA 1
Very High	CBA 2
Very High	FEPA Subcatchment