

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

EIA Reference number: FSP/EIA/0000007/2026

Project name: Construction of a bulk water pipeline

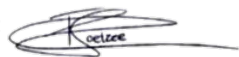
Project title: THE PROPOSED NORTHERN BULK DISTRIBUTION PIPELINE, MANGAUNG METROPOLITAN MUNICIPALITY, FREE STATE PROVINCE.

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Applicant: MANGAUNG METRO MUNICIPALITY

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Application Category: Utilities Infrastructure|Pipelines|Water|Fresh_Storm Water

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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	BLOEMFONTEIN	26360	0	29°2'31.92S	26°13'23.13E	Erven
2	BLOEMFONTEIN	46450	0	29°3'16.25S	26°13'35.78E	Erven
3	BLOEMFONTEIN	46362	0	29°3'29.79S	26°13'44.41E	Erven
4	BLOEMFONTEIN	46351	0	29°3'19.59S	26°13'39.86E	Erven
5	BLOEMFONTEIN	46346	0	29°3'13.85S	26°13'37.31E	Erven
6	MOUNTAIN VIEW	1707	0	29°1'41.79S	26°12'46.1E	Farm
7	PENROSE	2378	0	29°3'10.67S	26°13'25.73E	Farm
8	THE KLOOF	2921	0	29°3'36.56S	26°13'29.73E	Farm
9	CLEVELEYS	2990	0	29°2'47.38S	26°13'6.2E	Farm
10	CERILLIO	2766	0	29°2'59.56S	26°13'14.23E	Farm
11	WILDEALSKLOOF	1205	0	29°1'39.57S	26°14'36.48E	Farm
12	ANNEX WILDEALSKLOOF	2607	0	29°2'31.93S	26°13'33.28E	Farm
13	OLRIG	1710	0	29°1'16.38S	26°13'29.69E	Farm
14	BERGENDAL	1706	0	29°2'32.41S	26°13'9.79E	Farm
15	WILDEALSKLOOF	1205	4	29°1'35.79S	26°14'19.08E	Farm Portion
16	ANNEX WILDEALSKLOOF	2607	4	29°2'23.38S	26°13'33.04E	Farm Portion
17	WILDEALSKLOOF	1205	3	29°1'31.09S	26°14'45.1E	Farm Portion
18	ANNEX WILDEALSKLOOF	2607	2	29°2'14.83S	26°13'36.02E	Farm Portion
19	BERGENDAL	1706	10	29°2'39.03S	26°13'18.51E	Farm Portion
20	CLEVELEYS	2990	0	29°2'48.71S	26°13'12.47E	Farm Portion
21	PENROSE	2378	1	29°3'14S	26°13'20.55E	Farm Portion
22	MOUNTAIN VIEW	1707	5	29°2'0.29S	26°13'13.93E	Farm Portion
23	MOUNTAIN VIEW	1707	4	29°1'40.37S	26°12'55.85E	Farm Portion
24	BAYSWATER	2753	4	29°3'37.39S	26°13'34.59E	Farm Portion

25	ANNEX WILDEALSKLOOF	2607	7	29°2'27.63S	26°13'42.18E	Farm Portion
26	OLRIG	1710	0	29°1'16.58S	26°13'31.86E	Farm Portion
27	ANNEX WILDEALSKLOOF	2607	0	29°2'10.79S	26°13'37.68E	Farm Portion
28	CERILLIO	2766	0	29°3'0.65S	26°13'16.73E	Farm Portion
29	THE KLOOF	2921	0	29°3'34.63S	26°13'34.09E	Farm Portion
30	BERGENDAL	1706	7	29°2'45.96S	26°13'24.78E	Farm Portion
31	ANNEX WILDEALSKLOOF	2607	8	29°2'9.9S	26°13'40.32E	Farm Portion
32	THE KLOOF	2921	0	29°3'35.4S	26°13'33.04E	Farm Portion
33	MOUNTAIN VIEW	1707	0	29°1'16.68S	26°12'45.71E	Farm Portion
34	BLOEMFONTEIN	30575	0	29°3'3.79S	26°13'33.46E	Public Place

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	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	14/12/16/3/3/2/2197	Solar PV	Approved	15.7
2	14/12/16/3/3/1/1092	Solar PV	Approved	15
3	14/12/16/3/3/2/673/AM4	Solar PV	Approved	23.6
4	14/12/16/3/3/2/675/AM2	Solar PV	Approved	24.4
5	14/12/16/3/3/2/2464	Solar PV	Approved	19.8
6	14/12/16/3/3/2/675/AM3	Solar PV	Approved	24.4
7	14/12/16/3/3/2/2235	Solar PV	Approved	4.8
8	14/12/16/3/3/2/2186	Solar PV	Approved	19.8
9	14/12/16/3/3/1/564	Solar PV	Approved	3.8
10	14/12/16/3/3/1/455	Solar PV	Approved	9.3
11	14/12/16/3/3/2/2478	Solar PV	Approved	13.8
12	14/12/16/3/3/1/1093	Solar PV	Approved	15
13	14/12/16/3/3/2/673	Solar PV	Approved	23.6
14	14/12/16/3/3/2/2390	Solar PV	Approved	17.7
15	14/12/16/3/3/2/641	Solar PV	Approved	17.7
16	14/12/16/3/3/2/675/AM4	Solar PV	Approved	24.4
17	14/12/16/3/3/2/675	Solar PV	Approved	24.4
18	14/12/16/3/3/2/2358	Solar PV	Approved	20.6
19	14/12/16/3/3/2/2196	Solar PV	Approved	10.8

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

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.

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 | Pipelines | Water | Fresh_Storm Water.

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
South African Protected Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPAD_OR_2025_Q3_Metadata.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.

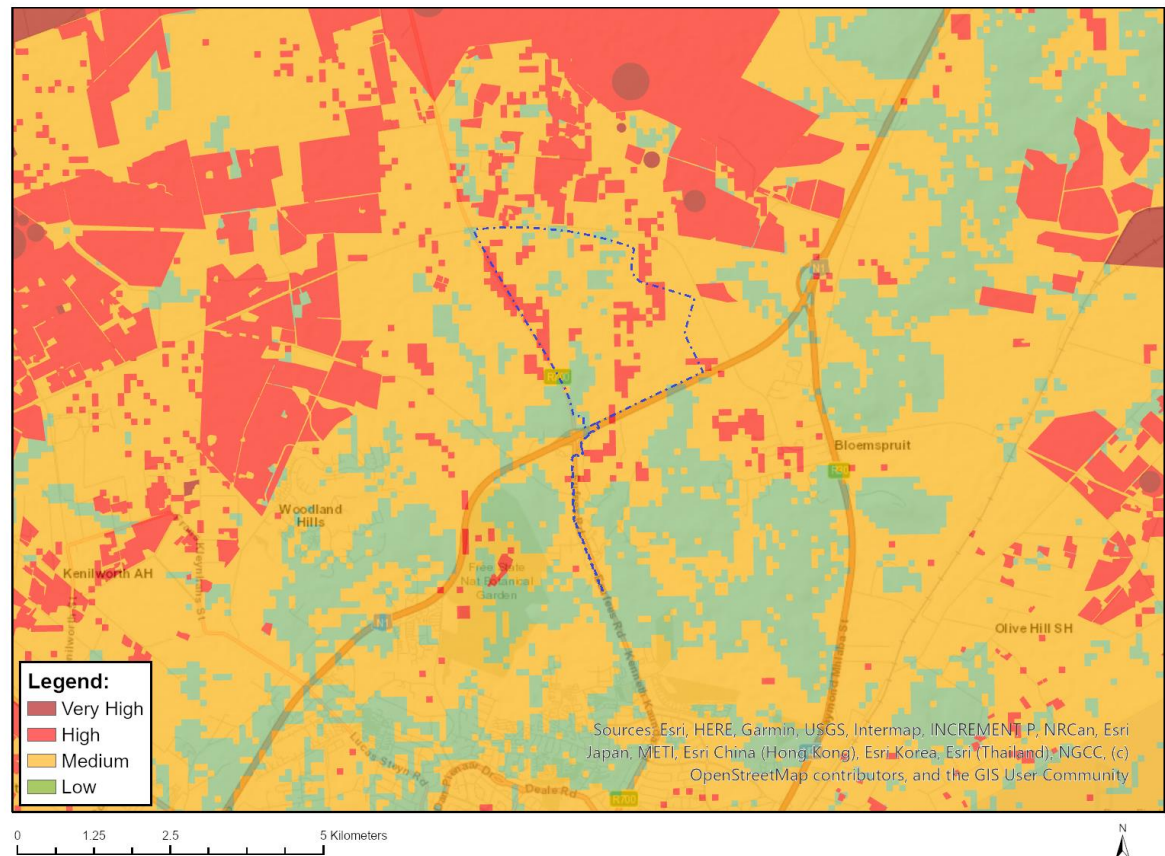
No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocol.pdf

		tocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforHIA.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforPIA.pdf
4	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf
5	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf
6	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
7	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
8	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
9	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

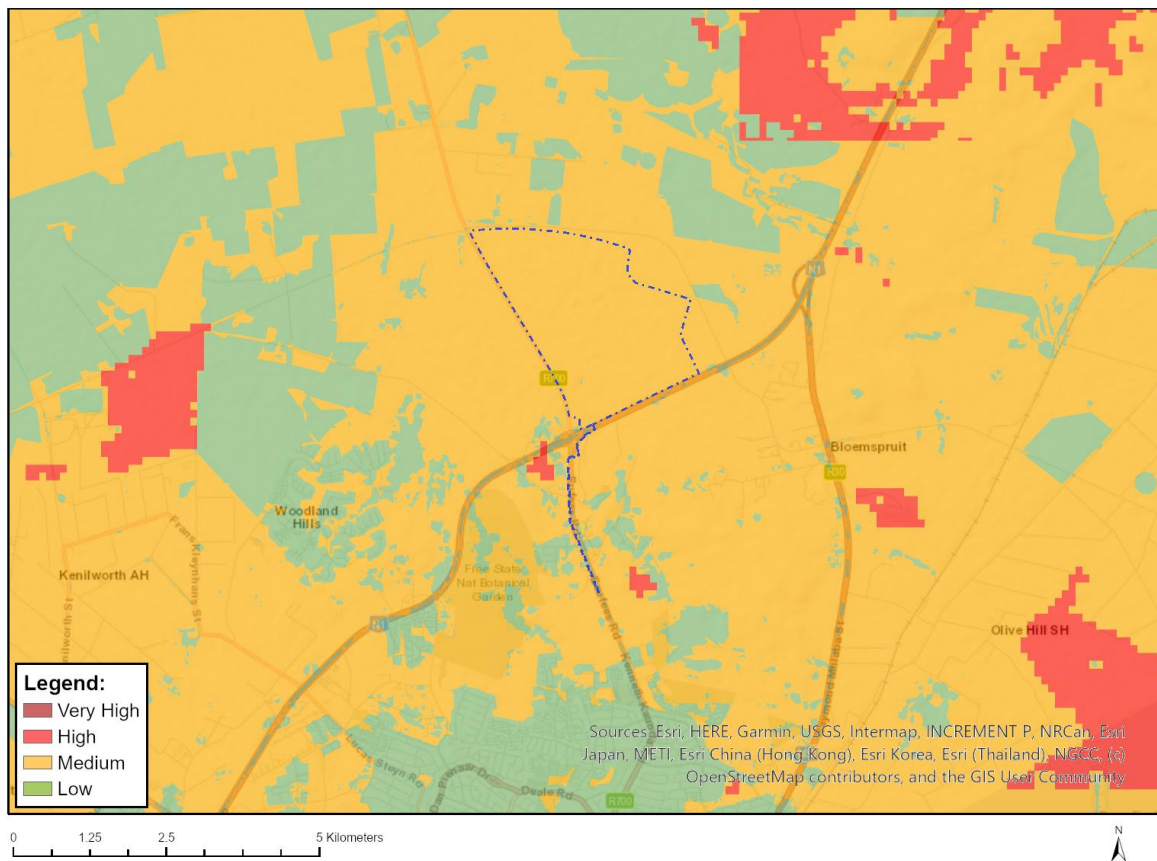


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



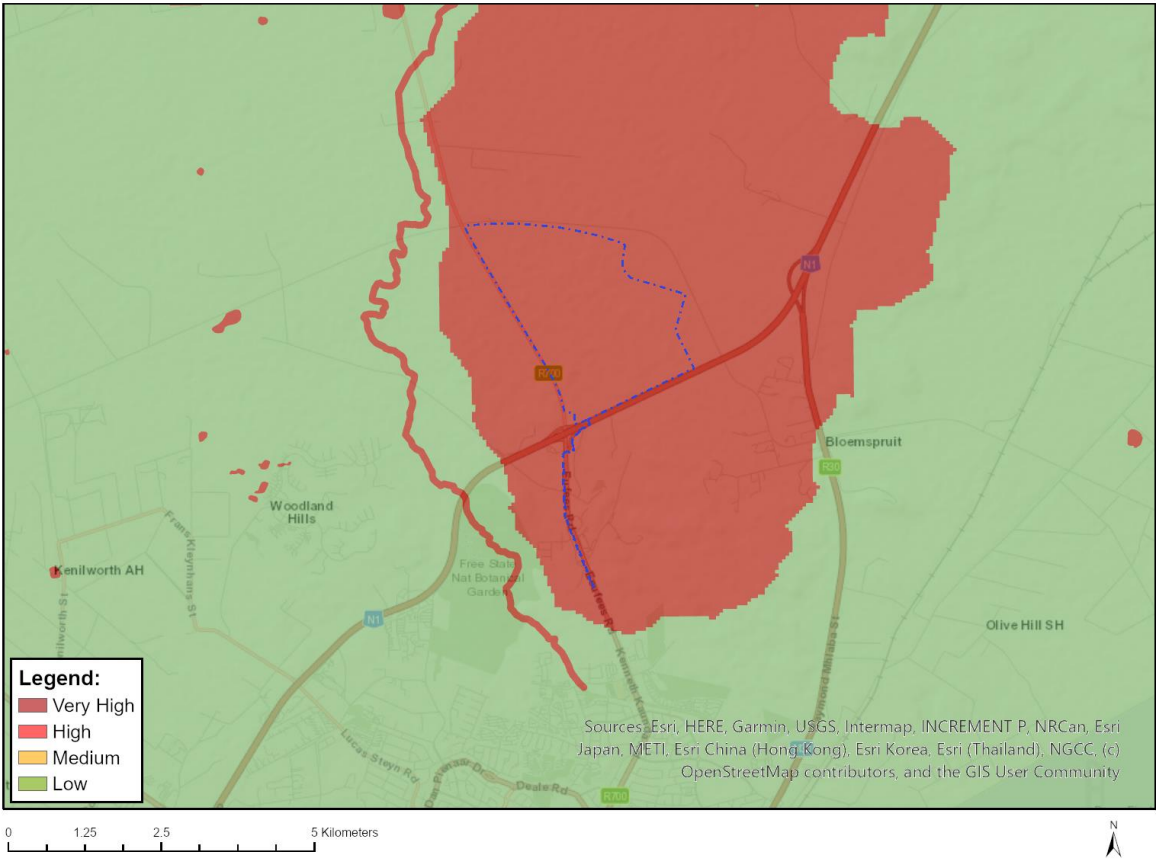
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
Low	Subject to confirmation
Medium	Mammalia-Hydrictris maculicollis
Medium	Mammalia-Mystromys albicaudatus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

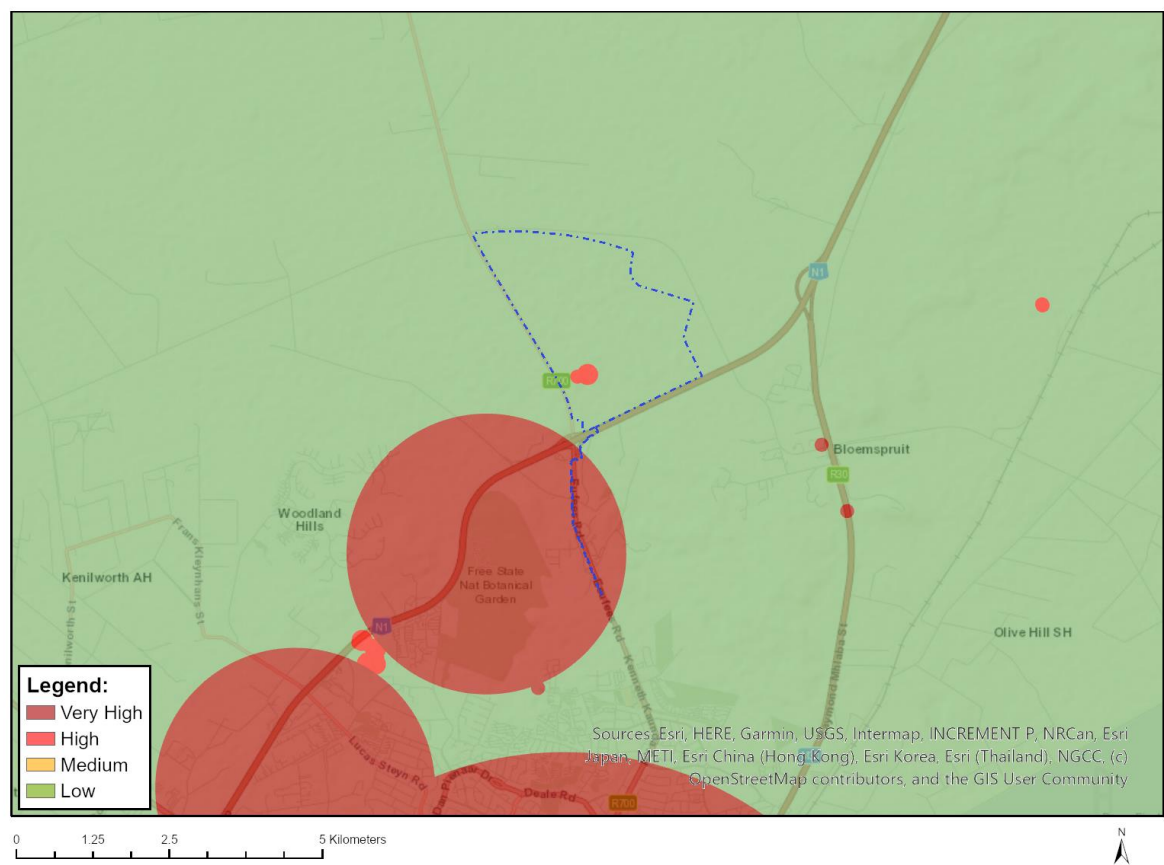


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	FEPA Subcatchment

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

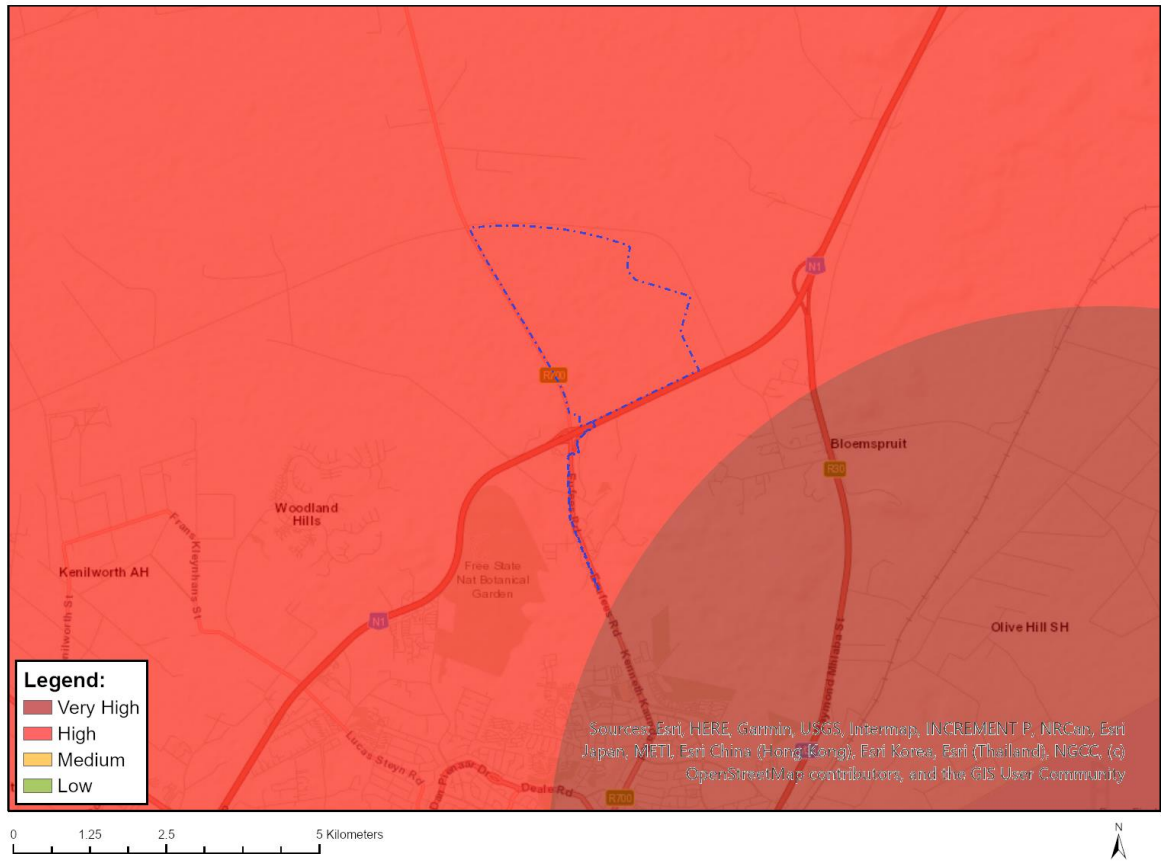


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
High	Within 100m of a Grade IIIb Heritage site
High	Within 50m of a Grade IIIc Heritage site
Low	Low Sensitivity
Very High	Within 2km of a Grade II Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

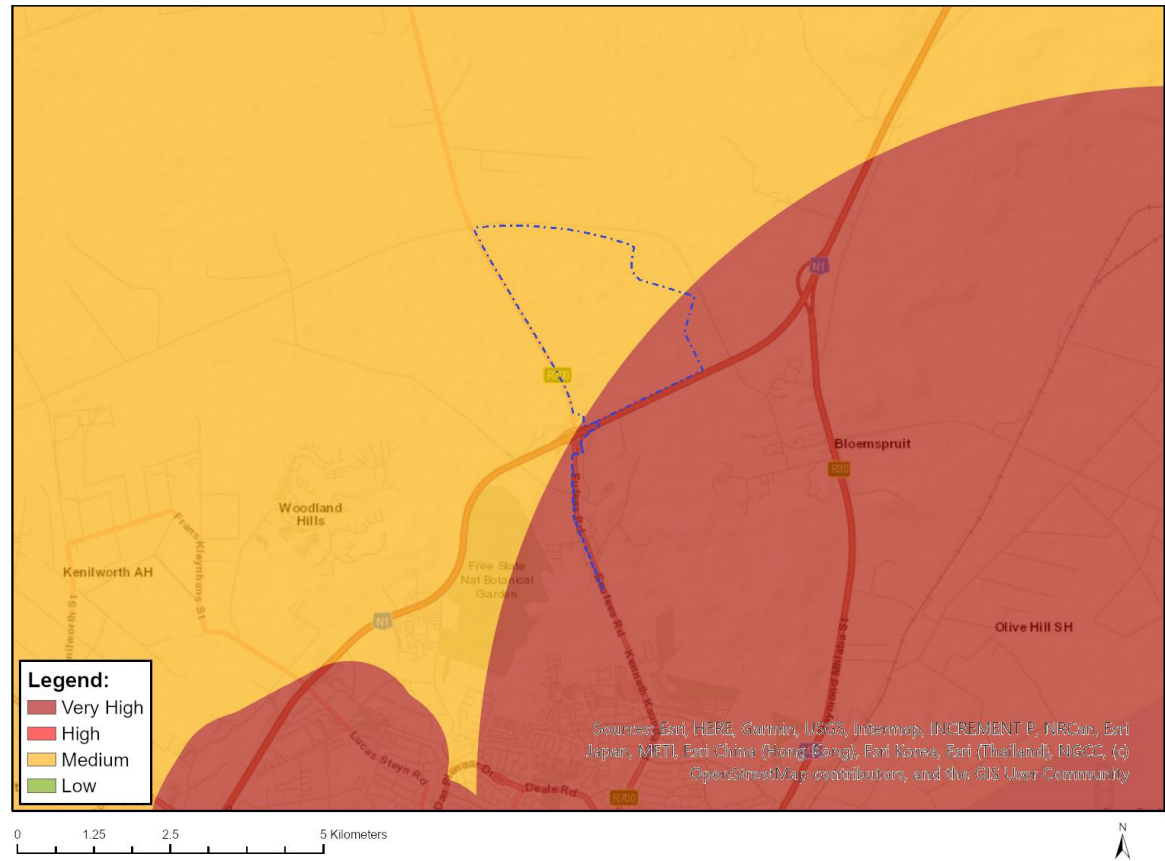


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 15 km of a civil aviation radar
High	Between 8 and 15 km from a major civil aviation aerodrome
High	Within 8 km of other civil aviation aerodrome
Medium	Within 5 km of an air traffic control or navigation site
Medium	Between 15 and 35 km from a civil aviation radar
Medium	Between 15 and 35 km from a major civil aviation aerodrome
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

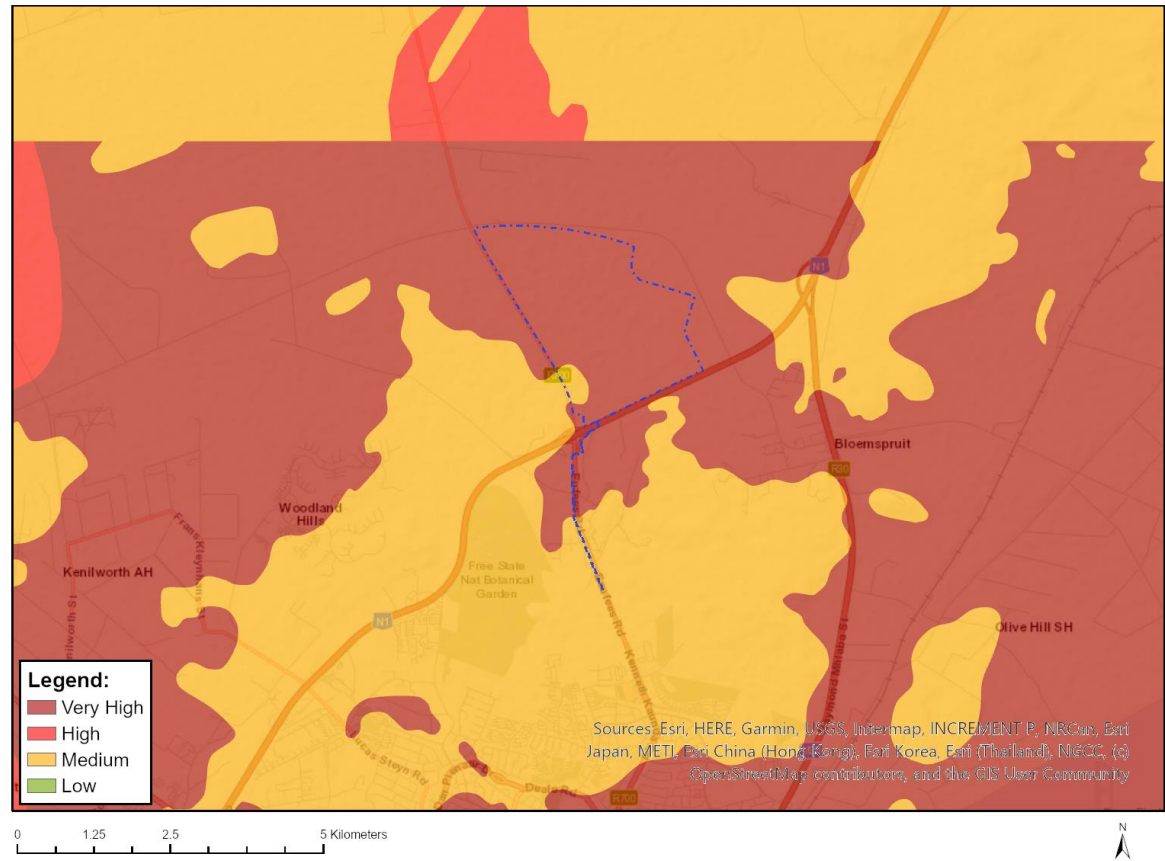


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Military and Defence Site
Very High	Military and Defence Site

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

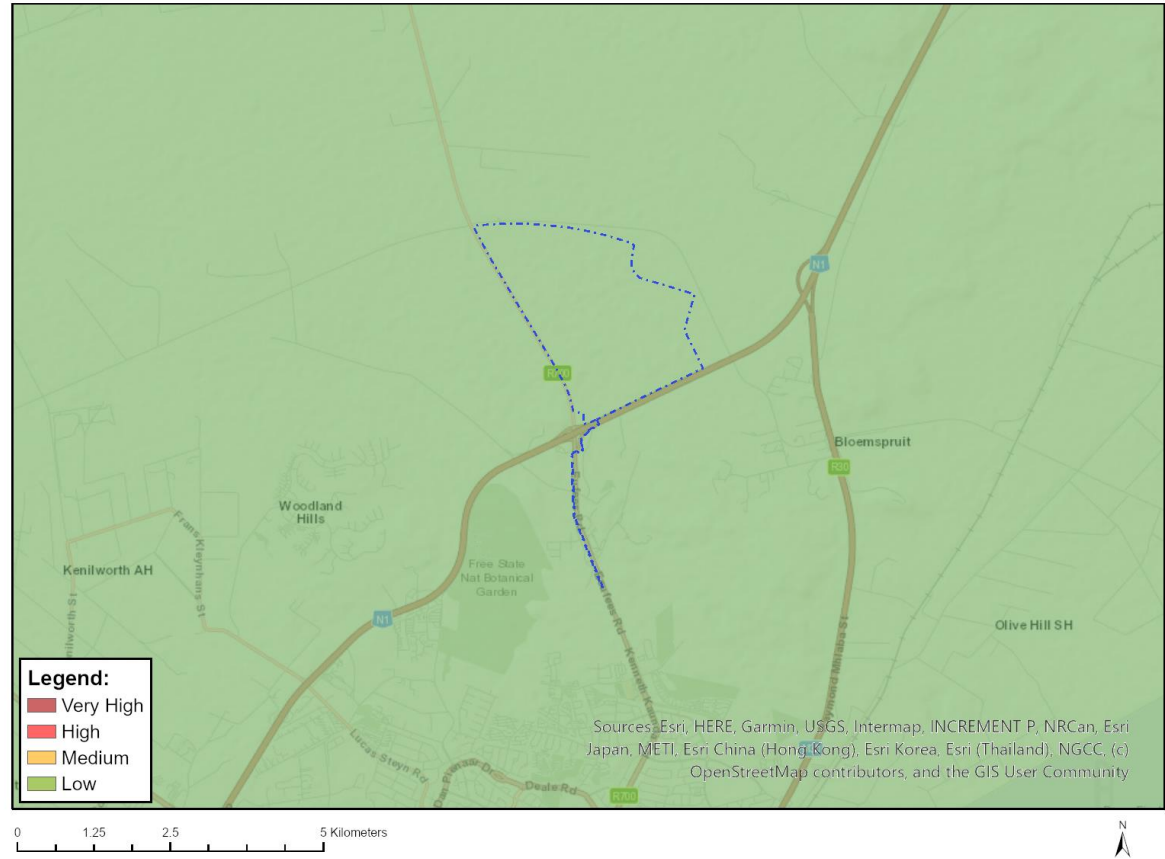


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



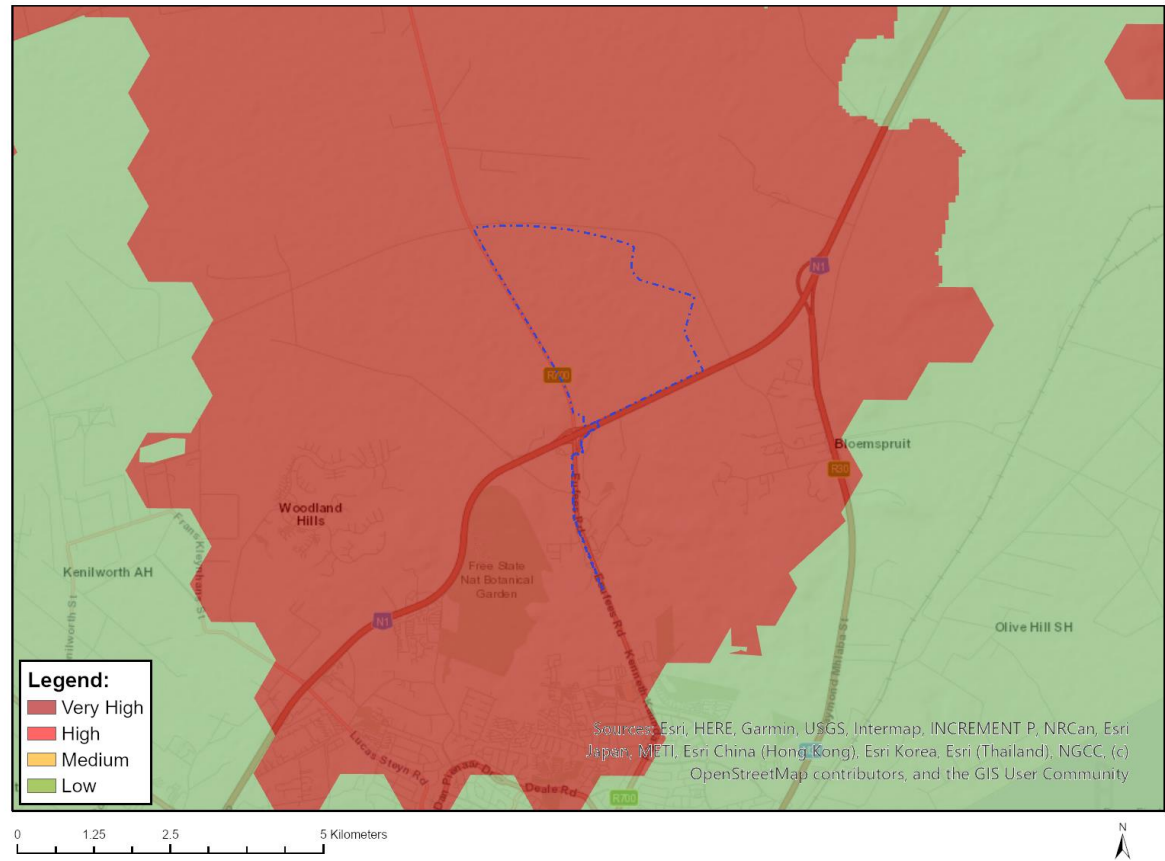
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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	ESA 1
Very High	ESA 2
Very High	FEPA Subcatchment
Very High	Woodland Hills Golf and Wildlife Estate