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

EIA Reference number:

Project name: Dawid Kruiper LCH

Project title: Upington Site 2

Date screening report generated: 04/04/2023 10:49:59

Applicant: Dawid Kruiper Municipality

Compiler: PB Consult

Compiler signature:
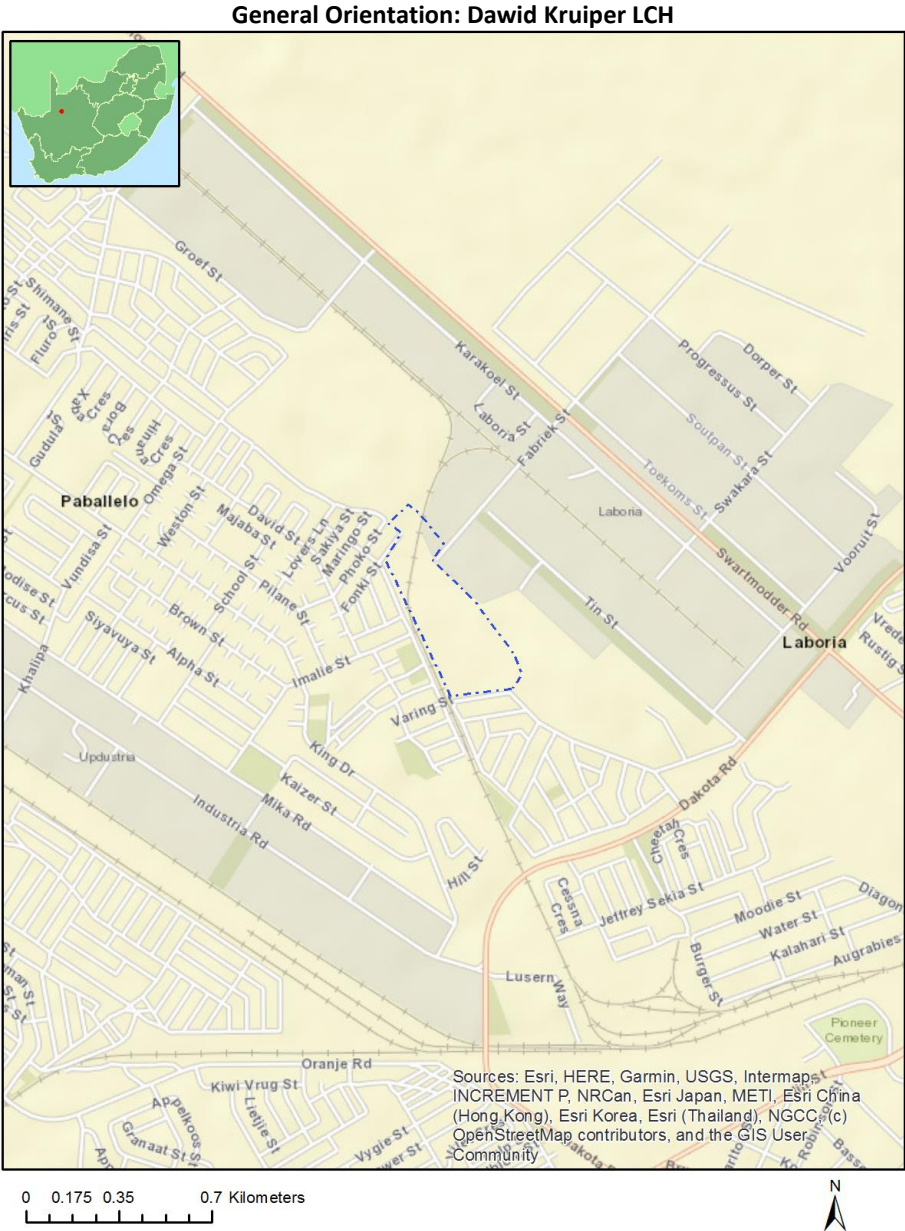
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Application Category: Transformation of land|Indigenous vegetation

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Proposed Project Location

Orientation map 1: General location

General Orientation: Dawid Kruiper LCH

0   0.175 0.35   0.7 Kilometers

N

Map of proposed site and relevant area(s)
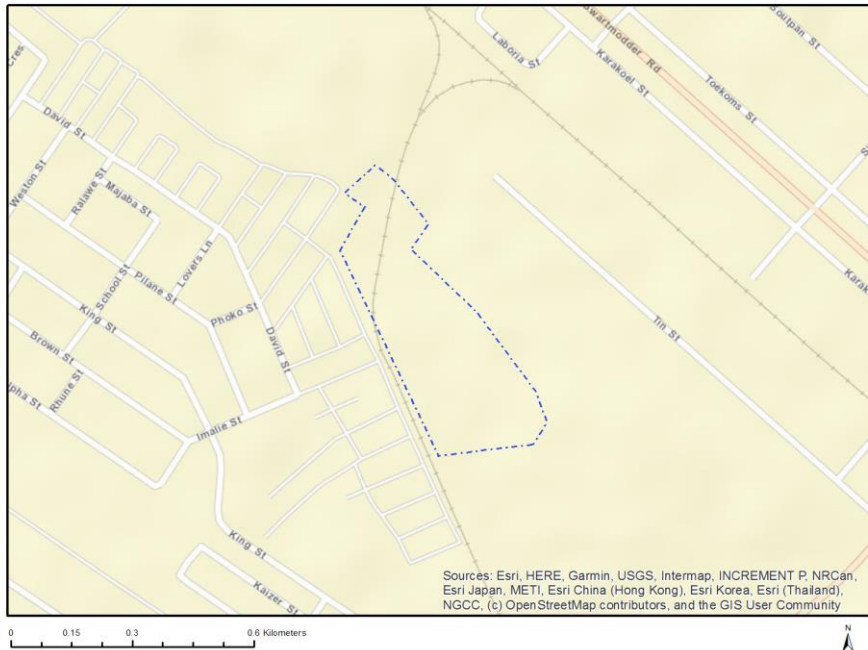
Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	UPINGTON	5414	0	28°26'17.57S	21°13'37.33E	Erven
2	UPINGTON	21907	0	28°26'33.85S	21°13'38.19E	Erven
3	UPINGTON	26627	0	28°26'30.77S	21°13'43.92E	Erven

Development footprint[1] 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	12/12/20/2230	Solar PV	Approved	29.1
2	14/12/16/3/3/2/821	Solar PV	Approved	6.5
3	14/12/16/3/3/1/2208	Solar PV	Approved	29.1
4	14/12/16/3/3/2/1107	Solar PV	Approved	1.2
5	14/12/16/3/3/1/2209	Solar PV	Approved	29.1

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[1] "development footprint", means the area within the site on which the development will take place and incudes 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.

6	14/12/16/3/3/2/295	Solar CSP	Approved	23.3
7	14/12/16/3/3/2/656	Solar CSP	Approved	18.9
8	14/12/16/3/3/3/82	Solar CSP	Approved	20.9
9	14/12/16/3/3/2/1108	Solar PV	Approved	1.2
10	12/12/20/1831/2	Solar CSP	Approved	18.9
11	14/12/16/3/3/2/297	Solar CSP	Approved	22.5
12	14/12/16/3/3/2/864	Solar CSP	Approved	26.8
13	14/12/16/3/3/1/2206	Solar PV	Approved	29.1
14	14/12/16/3/3/2/299	Solar CSP	Approved	26.8
15	14/12/16/3/3/2/291	Solar PV	Approved	22.5
16	14/12/16/3/3/1/2210	Solar PV	Approved	29.1
17	14/12/16/3/3/2/298	Solar CSP	Approved	22.5
18	14/12/16/3/3/1/2207	Solar PV	Approved	29.1
19	12/12/20/1831	Solar CSP	Approved	18.9
20	12/12/20/2146	Solar PV	Approved	3.6
21	12/12/20/1831/3	Solar PV	Approved	18.9
22	14/12/16/3/3/1/2205	Solar PV	Approved	29.1
23	14/12/16/3/3/2/657	Solar CSP	Approved	18.9
24	14/12/16/3/3/2/1106	Solar PV	Approved	9.1
25	14/12/16/3/3/2/293	Solar CSP	Approved	26.4
26	14/12/16/3/3/2/862	Solar CSP	Approved	22.5
27	14/12/16/3/3/2/816	Solar PV	Approved	25.9
28	14/12/16/3/3/2/815	Solar PV	Approved	25.9
29	14/12/16/3/3/1/2231	Solar PV	Approved	19.7
30	14/12/16/3/3/2/866	Solar CSP	Approved	22.5
31	14/12/16/3/3/2/296	Solar CSP	Approved	22.5
32	14/12/16/3/3/2/1105	Solar PV	Approved	9.1
33	12/12/20/1831/1	Solar CSP	Approved	18.9
34	12/12/20/2056	Solar CSP	Approved	19
35	14/12/16/3/3/2/289	Solar PV	Approved	22.5
36	14/12/16/3/3/2/290	Solar PV	Approved	22.5
37	12/12/20/2169	Solar PV	Approved	14.5
38	12/12/20/777	Solar CSP	Approved	13.3
39	14/12/16/3/3/2/292	Solar PV	Approved	22.5
40	14/12/16/3/3/1/2111	Solar PV	Approved	17.8
41	14/12/16/3/3/1/2075	Solar PV	Approved	17.8

Environmental Management Frameworks relevant to the application
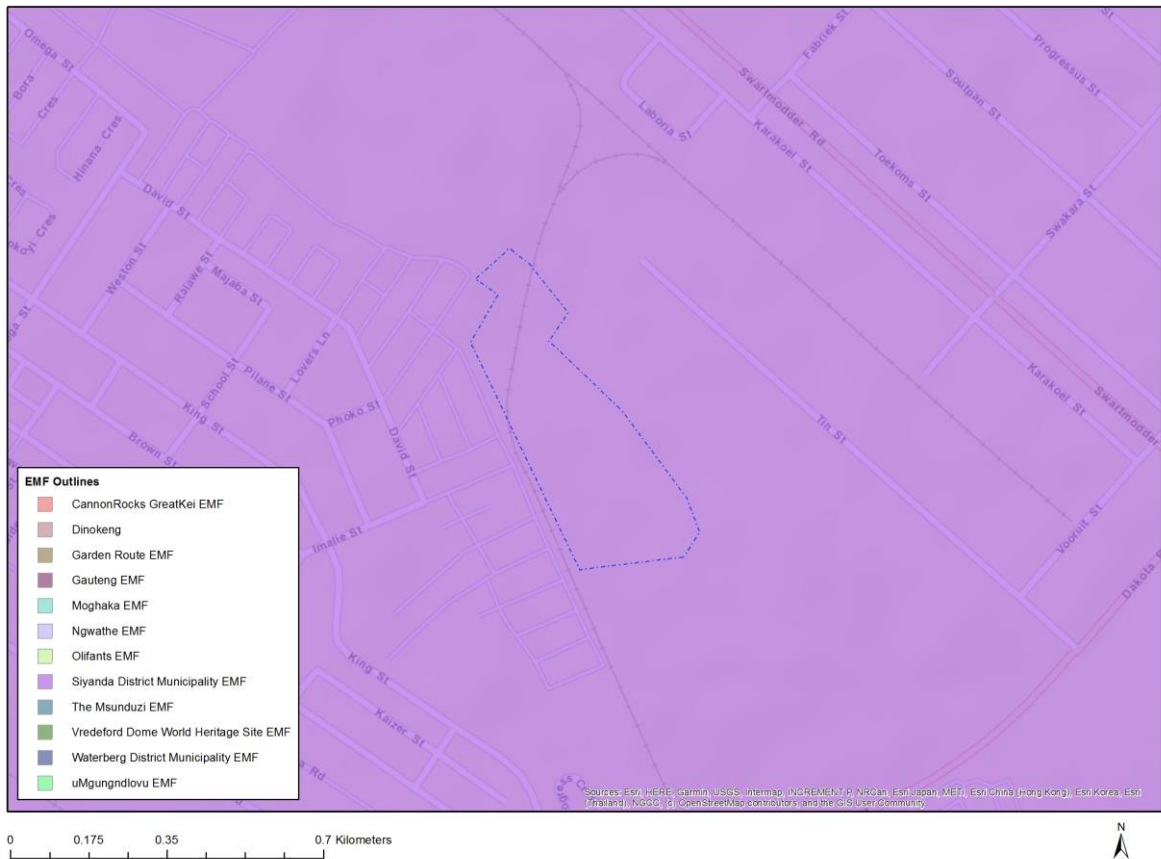
Environmental Management Framework	LINK
Siyanda District Municipality EMF	https://screening.environment.gov.za/ScreeningDownloads/EMF/SIYANDA_EMF_REPORT_2008.doc

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: **Transformation of land|Indigenous vegetation**.

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
Strategic Transmission Corridor-Northern	https://screening.environment.gov.za/ScreeningDownloads/Developmen

corridor	tZones/Combined_EGI.pdf
Renewable energy development zones 7- Upington	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_REDZ.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	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse

		ssmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
7	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
8	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
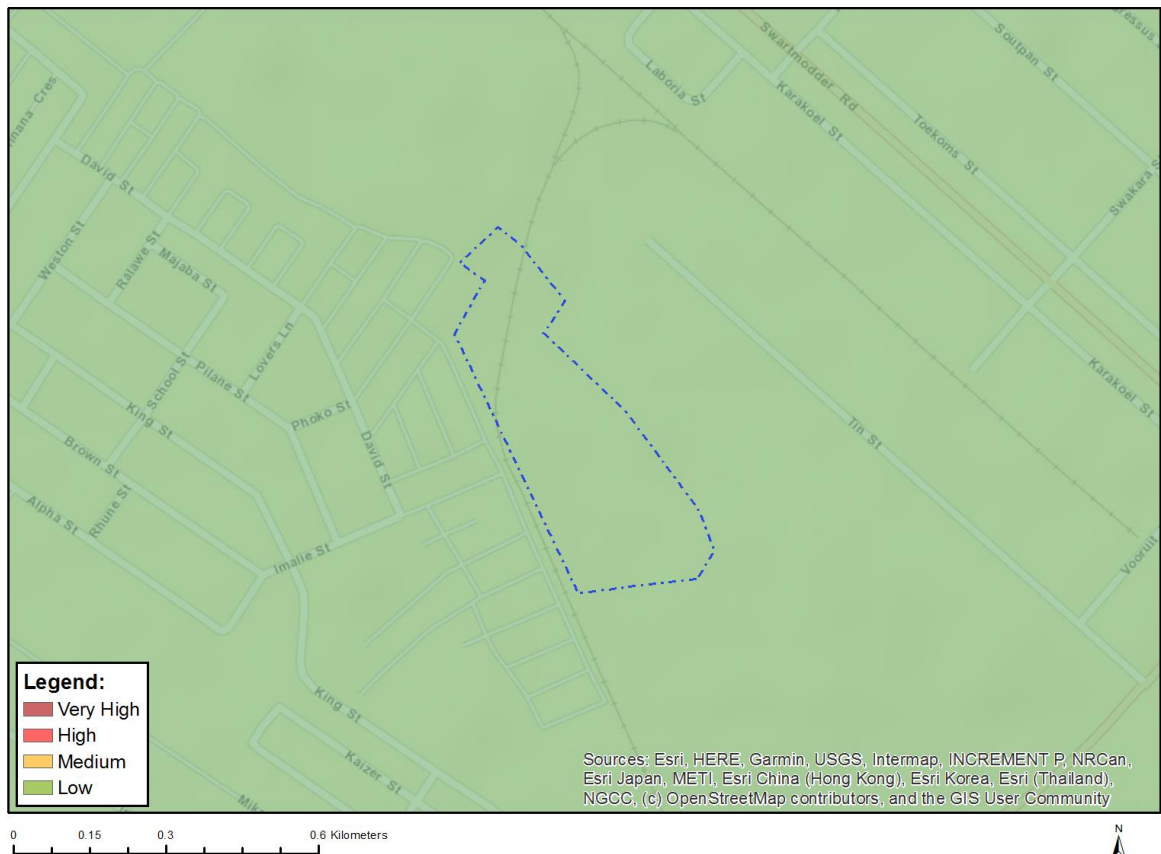
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low

# 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-Falco biarmicus
Low	Subject to confirmation
Medium	Aves-Neotis ludwigii

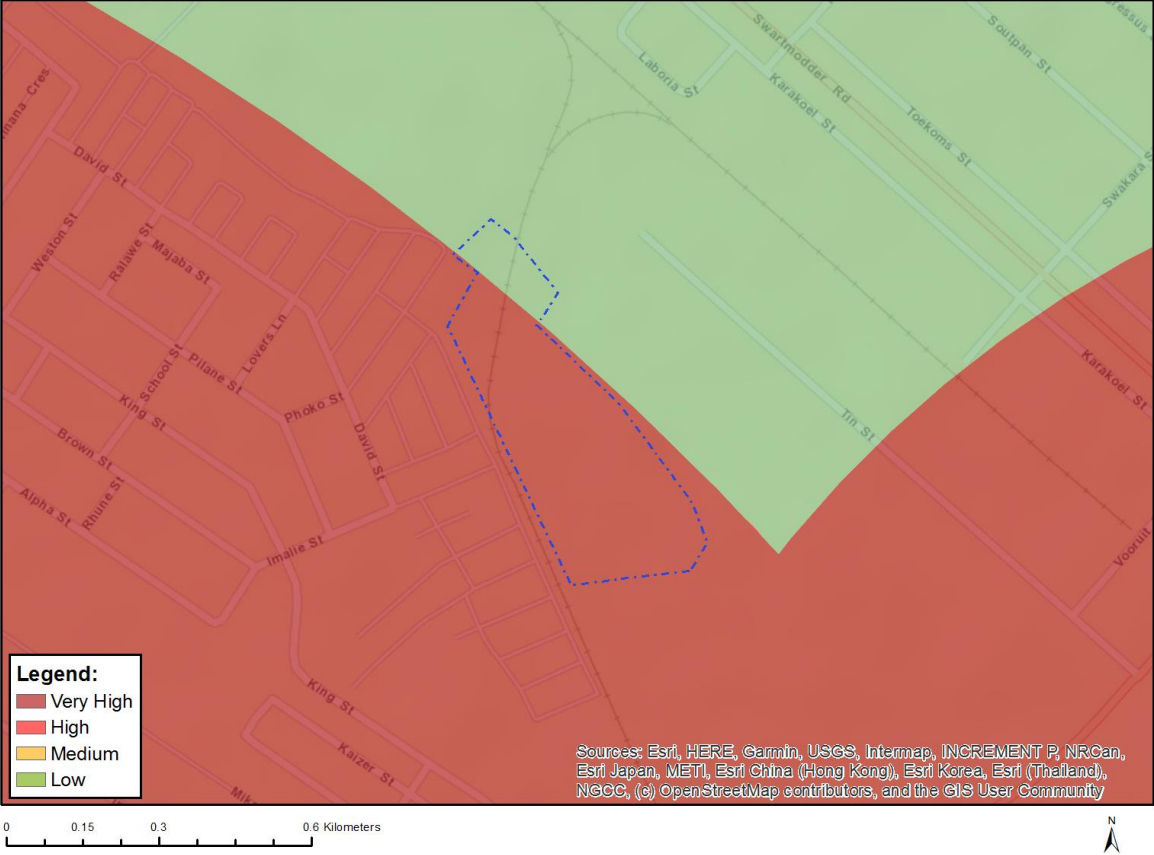# MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY
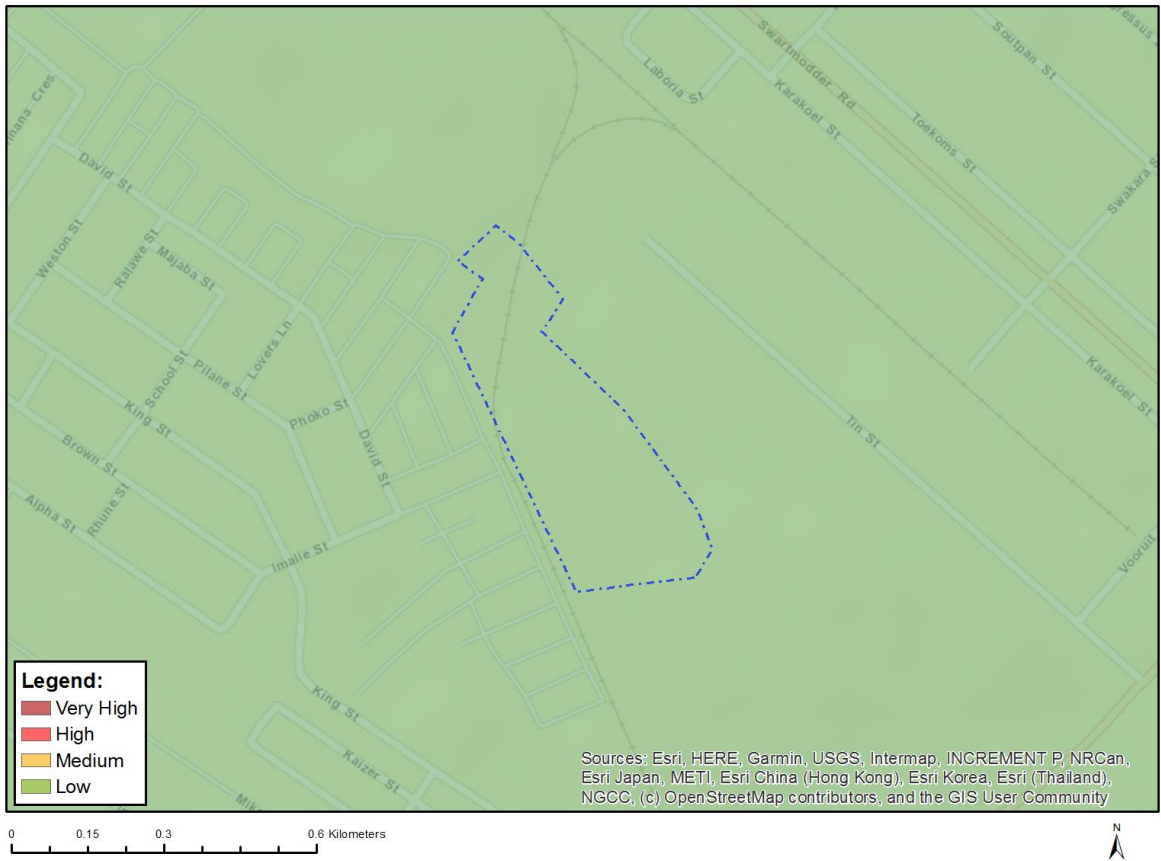
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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:

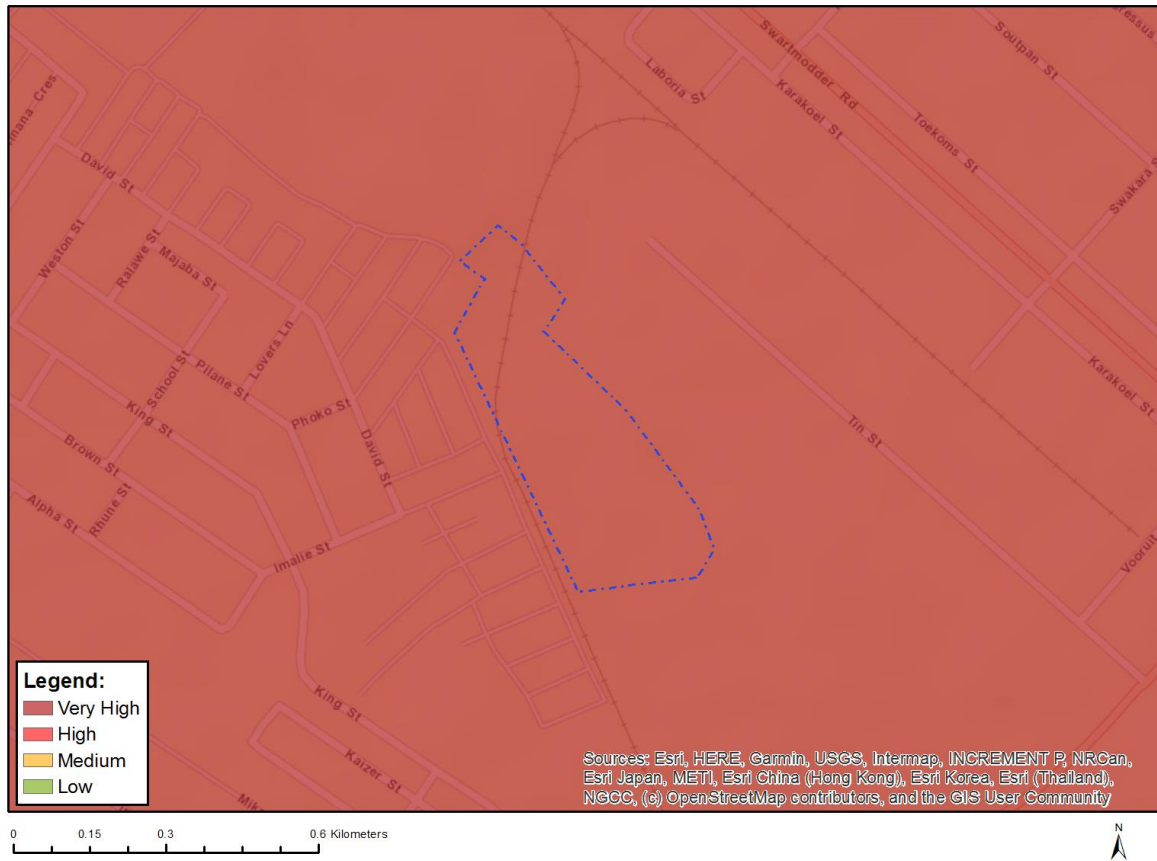| Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
Low	Low sensitivity
Very High	Within 5km of a Grade I Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY
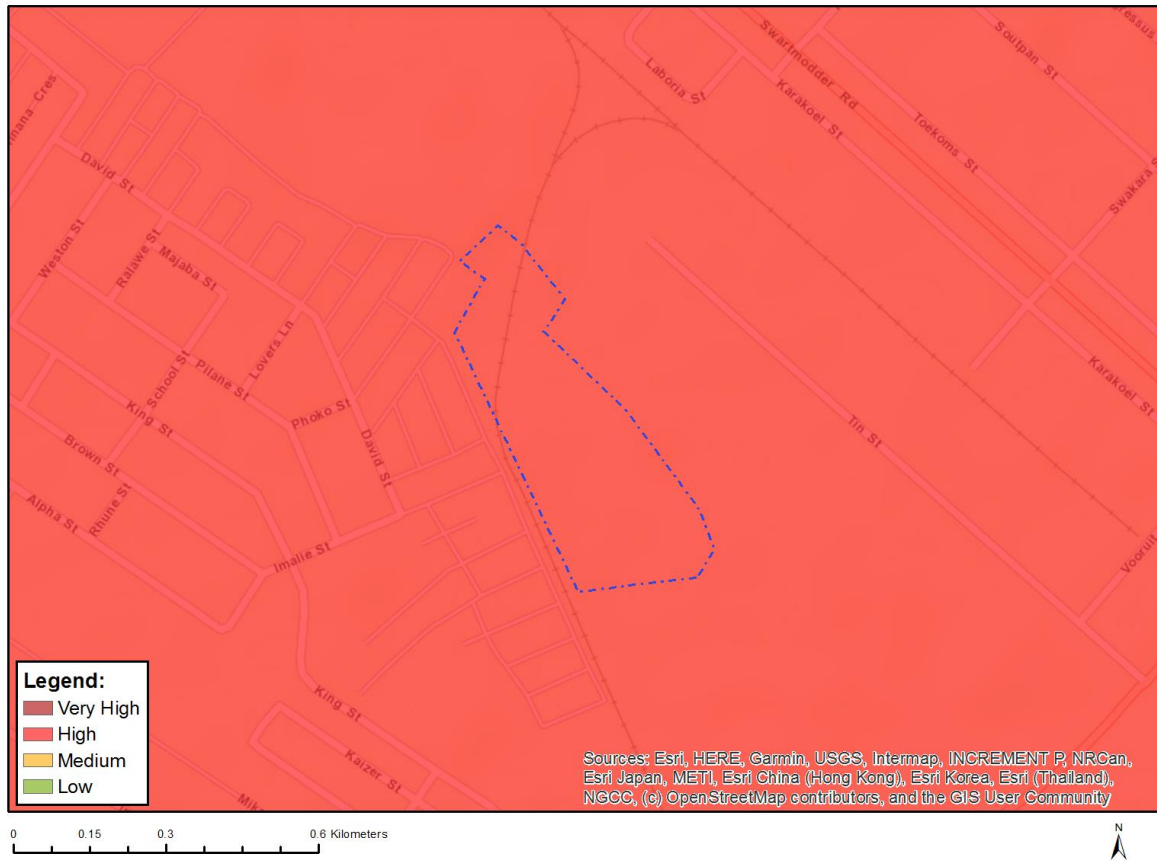
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

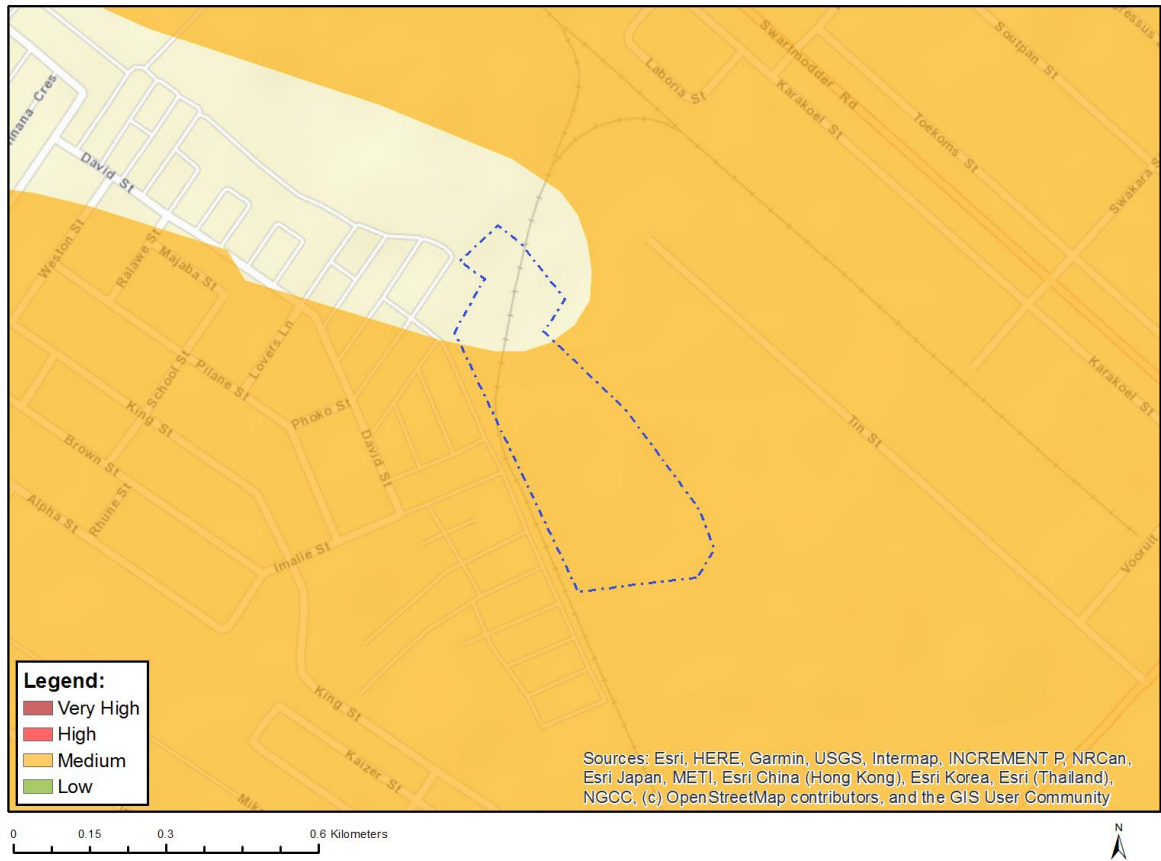| Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Medium	Within 5 km of an air traffic control or navigation site

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
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

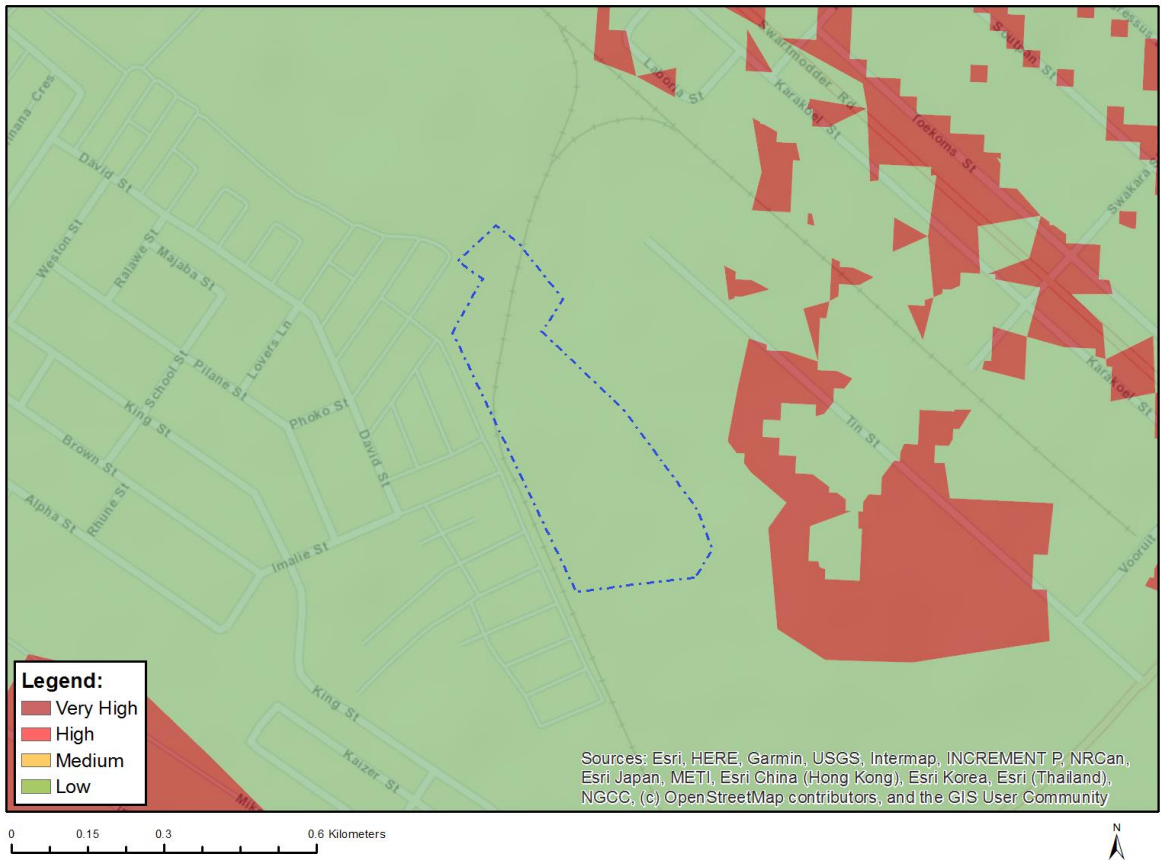# MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY

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

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