

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

EIA Reference number: 16/3/3/6/7/1/D2/51/0375/23

Project name: Bulk Services Upgrade Pipeline Realignment

Project title: Bulk Services Upgrade Pipeline Realignment

Date screening report generated: 12/06/2024 16:23:27

Applicant: George Municipality

Compiler: Cape EAPrac

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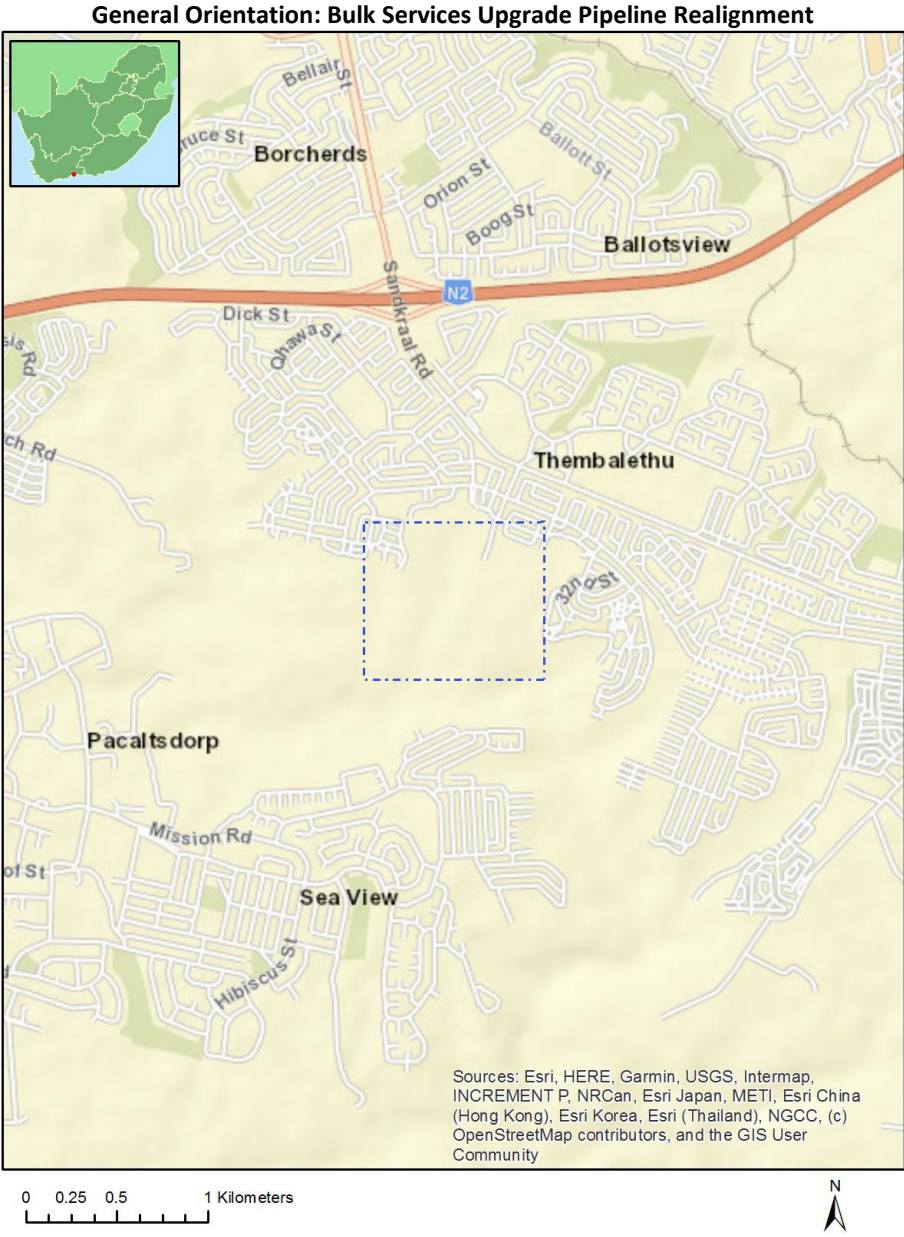
Application Category: Utilities Infrastructure | Pipelines | Water | Waste Water

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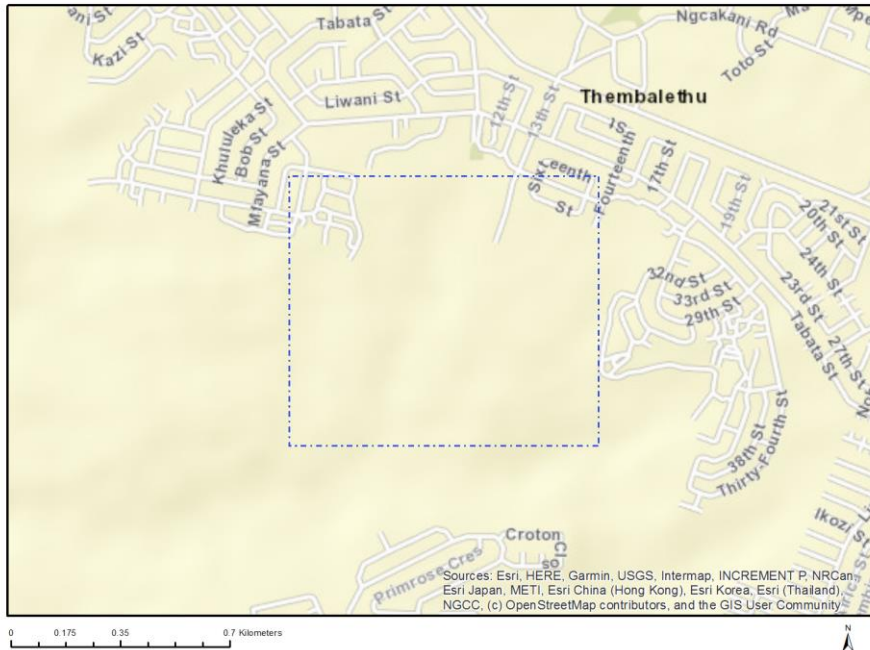
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Proposed Project Location

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	TYOLORA	6482	0	34°0'19.24S	22°28'31.92E	Erven
2	TYOLORA	6484	0	34°0'19.05S	22°28'31.07E	Erven
3	TYOLORA	4832	0	34°0'19.45S	22°28'50.54E	Erven
4	TYOLORA	4835	0	34°0'18.48S	22°28'50.16E	Erven
5	TYOLORA	4845	0	34°0'20.09S	22°28'56.05E	Erven
6	TYOLORA	4848	0	34°0'20.38S	22°28'54.84E	Erven
7	TYOLORA	6445	0	34°0'18.09S	22°28'27.05E	Erven
8	TYOLORA	4822	0	34°0'18.02S	22°28'52.96E	Erven
9	TYOLORA	4839	0	34°0'19.25	22°28'53.4E	Erven
10	TYOLORA	6459	0	34°0'19.01S	22°28'25.97E	Erven
11	TYOLORA	4856	0	34°0'20.34S	22°28'57.12E	Erven
12	TYOLORA	6461	0	34°0'18.31S	22°28'26.13E	Erven
13	TYOLORA	4833	0	34°0'19.25	22°28'49.81E	Erven
14	TYOLORA	6545	0	34°0'22.45S	22°28'25.7E	Erven
15	TYOLORA	9808	0	34°0'24.73S	22°28'33.62E	Erven
16	TYOLORA	9814	0	34°0'24.33S	22°28'31.97E	Erven
17	TYOLORA	9803	0	34°0'23.92S	22°28'33.85E	Erven
18	TYOLORA	9763	0	34°0'20.61S	22°28'31.99E	Erven
19	TYOLORA	9781	0	34°0'22.56S	22°28'32.75E	Erven
20	TYOLORA	9793	0	34°0'22.26S	22°28'34.33E	Erven
21	TYOLORA	9721	0	34°0'22.37S	22°28'30.84E	Erven
22	TYOLORA	9777	0	34°0'21.48S	22°28'32.63E	Erven
23	TYOLORA	6474	0	34°0'18.28S	22°28'28.28E	Erven
24	TYOLORA	4824	0	34°0'17.66S	22°28'49.03E	Erven
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26	TYOLORA	4857	0	34°0'20.57S	22°28'57.81E	Erven
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29	TYOLORA	6478	0	34°0'18.48S	22°28'31.63E	Erven
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32	TYOLORA	4783	0	34°0'17.89S	22°28'57.89E	Erven
33	TYOLORA	4815	0	34°0'19.02S	22°28'56E	Erven
34	TYOLORA	6402	0	34°0'18.07S	22°28'33.68E	Erven
35	TYOLORA	4780	0	34°0'19.18S	22°28'57.65E	Erven
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42	TYOLORA	9856	0	34°0'23.13S	22°28'30.53E	Erven
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52	TYOLORA	6546	0	34°0'22.52S	22°28'26.16E	Erven
53	TYOLORA	4828	0	34°0'18.1S	22°28'50.36E	Erven
54	TYOLORA	4844	0	34°0'19.93S	22°28'55.57E	Erven
55	TYOLORA	4849	0	34°0'20.24S	22°28'54.4E	Erven
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63	TYOLORA	9818	0	34°0'24.13S	22°28'31.21E	Erven
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85	TYOLORA	4820	0	34°0'18.29S	22°28'53.83E	Erven
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110	TYOLORA	4838	0	34°0'19.06S	22°28'52.96E	Erven
111	TYOLORA	6483	0	34°0'19.16S	22°28'31.5E	Erven
112	TYOLORA	4841	0	34°0'19.49S	22°28'54.27E	Erven
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114	TYOLORA	6472	0	34°0'19.03S	22°28'28.28E	Erven
115	TYOLORA	6481	0	34°0'19.29S	22°28'32.3E	Erven
116	TYOLORA	6446	0	34°0'18.43S	22°28'26.97E	Erven
117	TYOLORA	6453	0	34°0'20.93S	22°28'26.38E	Erven
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124	TYOLORA	9773	0	34°0'20.53S	22°28'30.5E	Erven
125	TYOLORA	9821	0	34°0'24.39S	22°28'30.65E	Erven
126	TYOLORA	5006	0	34°0'22.4S	22°28'20E	Erven
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132	TYOLORA	4781	0	34°0'18.81S	22°28'57.83E	Erven
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134	TYOLORA	4821	0	34°0'18.15S	22°28'53.4E	Erven
135	TYOLORA	6469	0	34°0'20.06S	22°28'27.91E	Erven
136	TYOLORA	4855	0	34°0'19.35S	22°28'51.75E	Erven
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172	TYOLORA	4829	0	34°0'18.33S	22°28'51.05E	Erven
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183	TYOLORA	9774	0	34°0'20.2S	22°28'30.69E	Erven
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186	TYOLORA	9835	0	34°0'23.24S	22°28'27.86E	Erven
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193	TYOLORA	9830	0	34°0'23.48S	22°28'28.81E	Erven
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204	TYOLORA	4819	0	34°0'18.44S	22°28'54.26E	Erven
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206	TYOLORA	6476	0	34°0'18.36S	22°28'30.79E	Erven
207	TYOLORA	6406	0	34°0'19.47S	22°28'33.28E	Erven
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215	TYOLORA	9805	0	34°0'24.47S	22°28'33.71E	Erven
216	TYOLORA	9742	0	34°0'21.64S	22°28'30.67E	Erven
217	TYOLORA	9759	0	34°0'19.86S	22°28'30.85E	Erven
218	TYOLORA	9820	0	34°0'23.87S	22°28'30.54E	Erven
219	TYOLORA	9845	0	34°0'22.85S	22°28'30.6E	Erven
220	TYOLORA	9766	0	34°0'21.16S	22°28'31.37E	Erven
221	TYOLORA	9792	0	34°0'22.15S	22°28'33.78E	Erven
222	TYOLORA	9853	0	34°0'23.47S	22°28'31.67E	Erven
223	TYOLORA	9827	0	34°0'24.13S	22°28'29.34E	Erven
224	TYOLORA	9826	0	34°0'23.66S	22°28'29.49E	Erven
225	TYOLORA	9840	0	34°0'22.33S	22°28'28.71E	Erven
226	TYOLORA	9731	0	34°0'19.83S	22°28'28.79E	Erven
227	TYOLORA	9735	0	34°0'20.38S	22°28'29.77E	Erven
228	TYOLORA	9857	0	34°0'23.06S	22°28'30.15E	Erven
229	TYOLORA	6269	0	34°0'19.93S	22°28'33.21E	Erven
230	TYOLORA	6269	0	34°0'18.55S	22°28'31.8E	Erven
231	TYOLORA	6269	0	34°0'20.17S	22°28'27.84E	Erven
232	TYOLORA	9782	0	34°0'22.23S	22°28'32.83E	Erven
233	TYOLORA	9783	0	34°0'21.89S	22°28'32.96E	Erven
234	TYOLORA	9800	0	34°0'23.65S	22°28'33.95E	Erven
235	TYOLORA	9852	0	34°0'23.59S	22°28'32.04E	Erven
236	TYOLORA	9799	0	34°0'23.35S	22°28'34.09E	Erven
237	TYOLORA	9798	0	34°0'23.06S	22°28'34.07E	Erven
238	TYOLORA	9775	0	34°0'20.68S	22°28'33.02E	Erven
239	TYOLORA	9732	0	34°0'19.56S	22°28'28.94E	Erven
240	TYOLORA	9829	0	34°0'23.95S	22°28'28.63E	Erven
241	TYOLORA	9832	0	34°0'23.91S	22°28'28.39E	Erven
242	TYOLORA	9861	0	34°0'22.65S	22°28'28.62E	Erven
243	TYOLORA	9862	0	34°0'22.56S	22°28'28.22E	Erven
244	TYOLORA	9756	0	34°0'20.86S	22°28'29.1E	Erven
245	TYOLORA	9753	0	34°0'21.6S	22°28'29.15E	Erven
246	TYOLORA	9843	0	34°0'22.66S	22°28'29.79E	Erven
247	TYOLORA	9751	0	34°0'21.82S	22°28'29.92E	Erven
248	TYOLORA	6269	0	34°0'18.97S	22°28'31.1E	Erven
249	TYOLORA	9737	0	34°0'20.98S	22°28'29.48E	Erven
250	TYOLORA	6269	0	34°0'19.47S	22°28'25.86E	Erven
251	TYOLORA	6269	0	34°0'18.4S	22°28'28.22E	Erven
252	TYOLORA	9836	0	34°0'23.11S	22°28'27.52E	Erven
253	TYOLORA	9727	0	34°0'20.98S	22°28'28.15E	Erven
254	TYOLORA	9729	0	34°0'20.41S	22°28'28.46E	Erven
255	TYOLORA	9757	0	34°0'20.54S	22°28'29.23E	Erven
256	TYOLORA	9758	0	34°0'20.27S	22°28'29.42E	Erven
257	PACALTS DORP	325	0	34°0'20.54S	22°27'20.16E	Erven
258	TYOLORA	6269	0	34°0'18S	22°28'27.07E	Erven
259	TYOLORA	9765	0	34°0'21.24S	22°28'31.75E	Erven
260	TYOLORA	9779	0	34°0'22.16S	22°28'32.45E	Erven
261	TYOLORA	9801	0	34°0'23.54S	22°28'33.34E	Erven
262	TYOLORA	9796	0	34°0'22.71S	22°28'33.63E	Erven
263	TYOLORA	9850	0	34°0'23.37S	22°28'32.5E	Erven
264	TYOLORA	9847	0	34°0'23.07S	22°28'31.36E	Erven
265	TYOLORA	9795	0	34°0'22.8S	22°28'34.18E	Erven
266	TYOLORA	9824	0	34°0'24.18S	22°28'29.6E	Erven
267	TYOLORA	9859	0	34°0'22.87S	22°28'29.4E	Erven
268	TYOLORA	9841	0	34°0'22.45S	22°28'29.07E	Erven

269	TYOLORA	9839	0	34°0'22.25S	22°28'28.31E	Erven
270	TYOLORA	9752	0	34°0'21.7S	22°28'29.56E	Erven
271	TYOLORA	9739	0	34°0'21.38S	22°28'29.65E	Erven
272	TYOLORA	9740	0	34°0'21.48S	22°28'30E	Erven
273	TYOLORA	9750	0	34°0'21.9S	22°28'30.23E	Erven
274	SAND KRAAL	197	0	34°0'36.67S	22°29'0.65E	Farm
275	SAND KRAAL	197	40	34°0'17.32S	22°28'44.98E	Farm Portion
276	SAND KRAAL	197	41	34°0'20.68S	22°28'46.61E	Farm Portion
277	SAND KRAAL	197	50	34°0'32.05S	22°28'52.81E	Farm Portion
278	SAND KRAAL	197	40	34°0'19.21S	22°28'44.38E	Farm Portion
279	SAND KRAAL	197	41	34°0'21.6S	22°28'46.21E	Farm Portion
280	TYOLORA	9786	0	34°0'20.93S	22°28'33.75E	Public Place
281	TYOLORA	9863	0	34°0'22.34S	22°28'27.4E	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	14/12/16/3/3/1/1292/AM1	Solar PV	Approved	9.5
2	14/12/16/3/3/1/1292	Solar PV	Approved	9.5

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 | Pipelines | Water | Waste 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.

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.

Incentive, restriction or prohibition	Implication
Strategic Gas Pipeline Corridors-Phase 2: Mossel Bay to Coega	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf
South African Conservation Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SACAD_OR_2023_Q4_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
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.

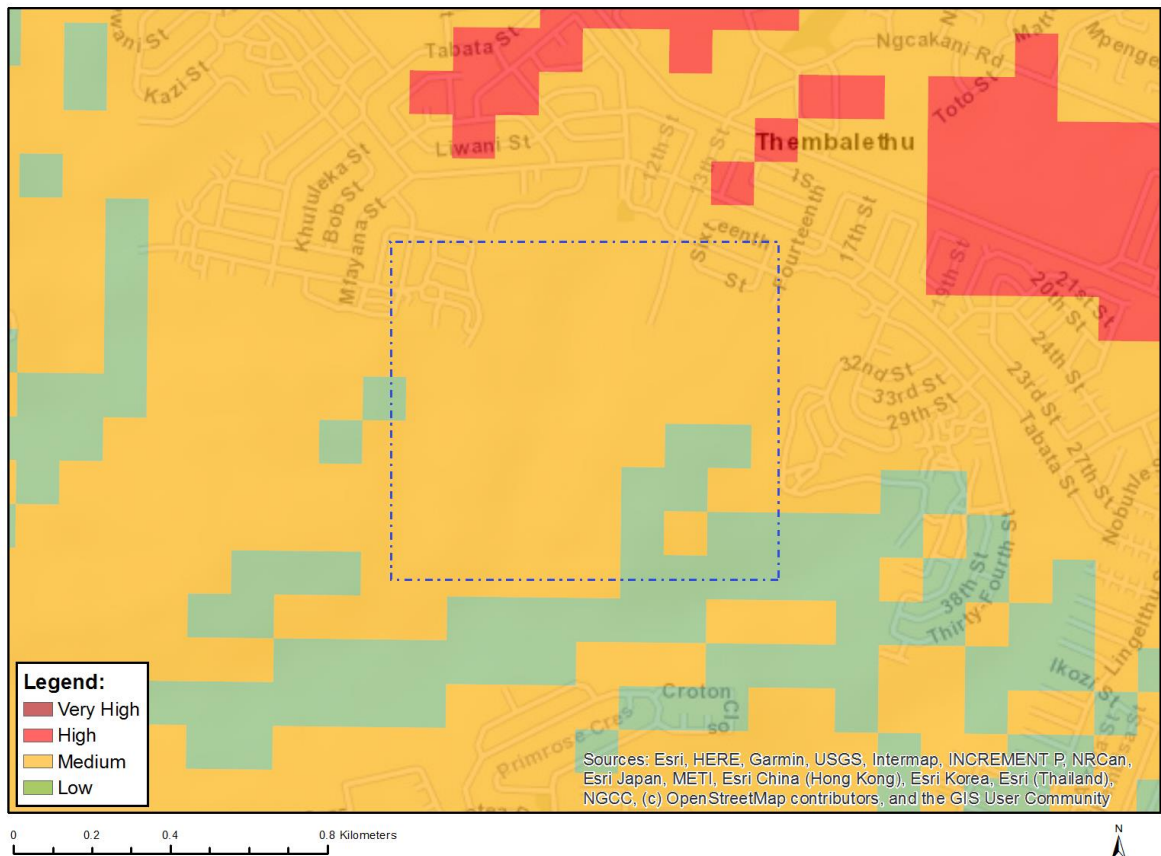
No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_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

		otocols.pdf
6	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
7	Geotechnical 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	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
11	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

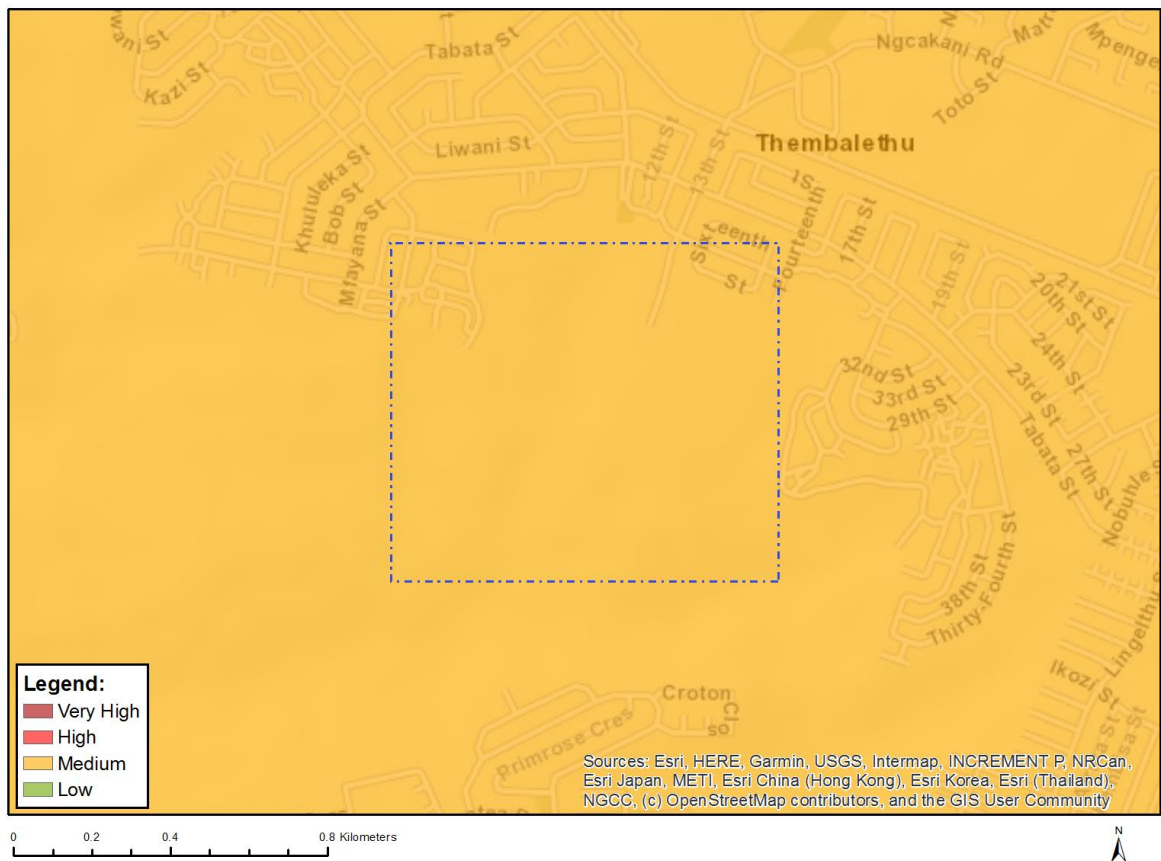


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



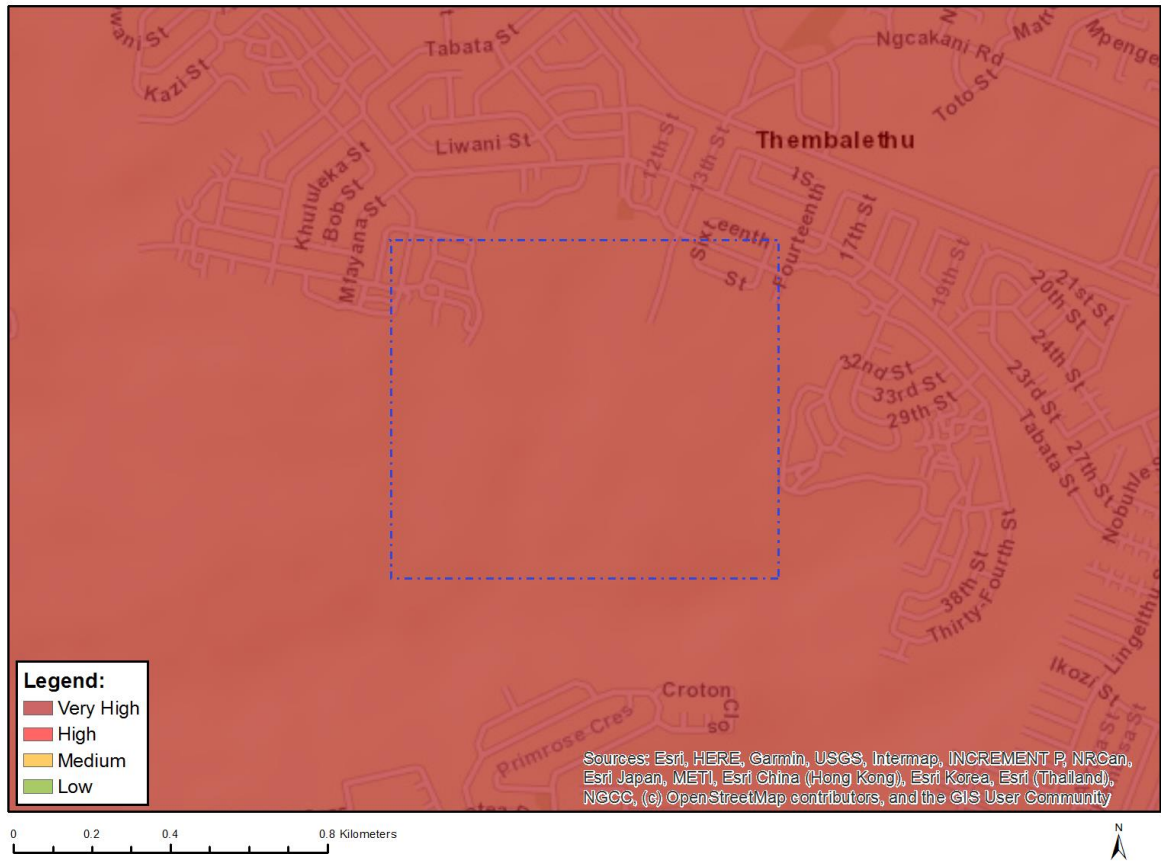
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
Medium	Amphibia-Afrixalus knysnae
Medium	Aves-Circus ranivorus
Medium	Aves-Neotis denhami
Medium	Aves-Bradypterus sylvaticus
Medium	Mammalia-Chlorotalpa duthieae
Medium	Sensitive species 8
Medium	Invertebrate-Aneuryphymus montanus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

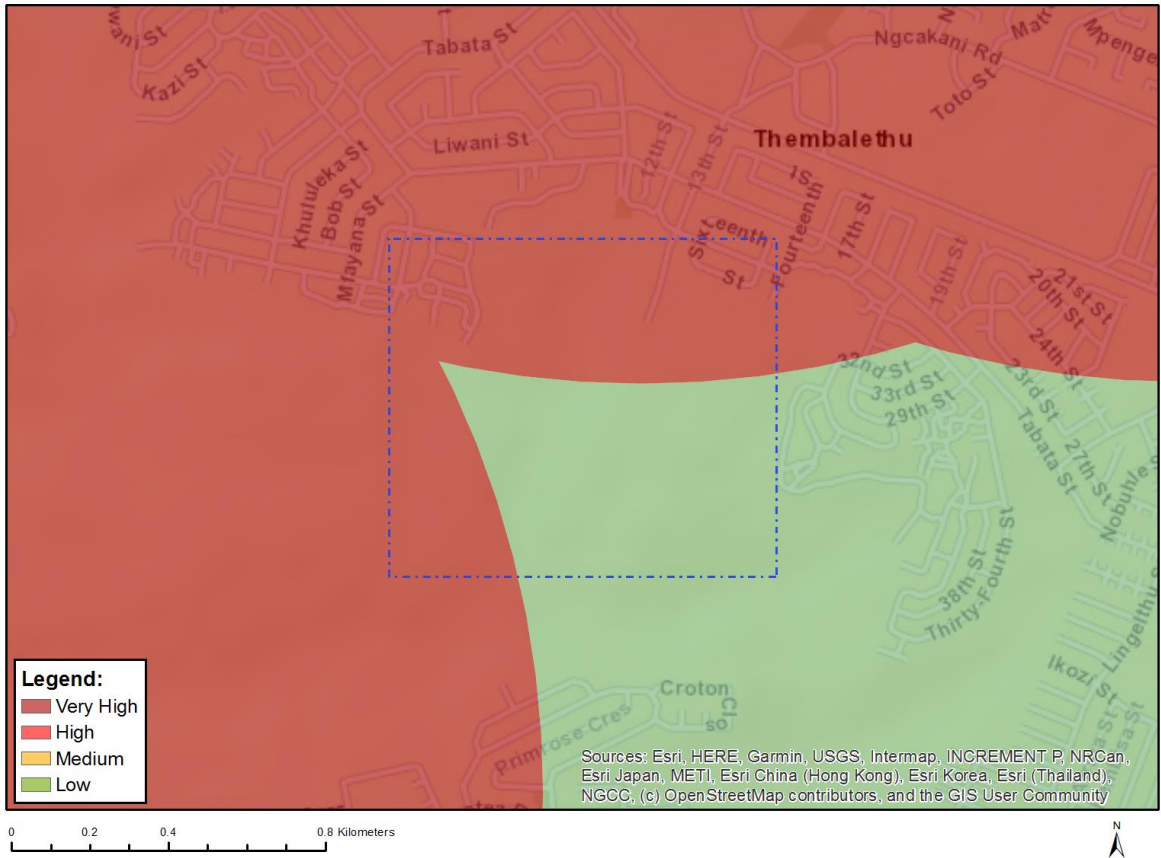


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA 1: Aquatic
Very High	SWSA (SW)_Outeniqua
Very High	Wetlands_(River)

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

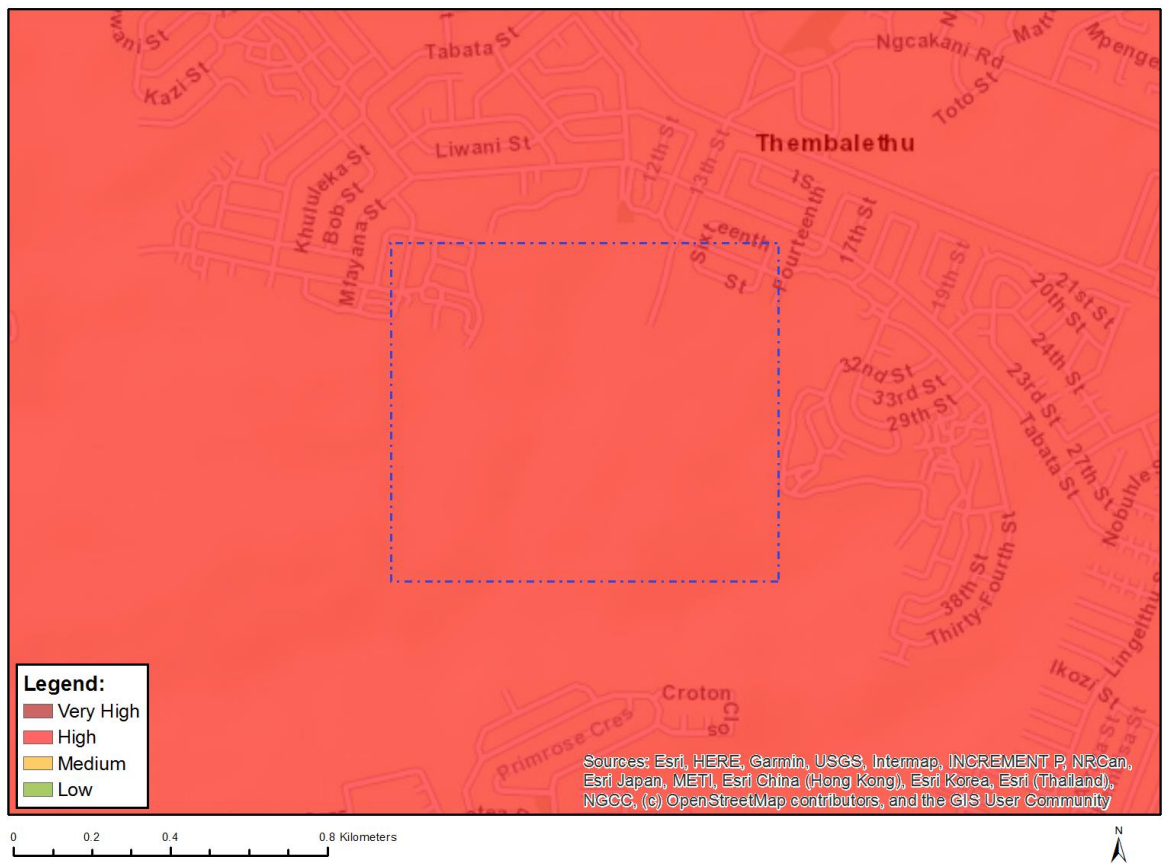


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Within 2km of a Grade II Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

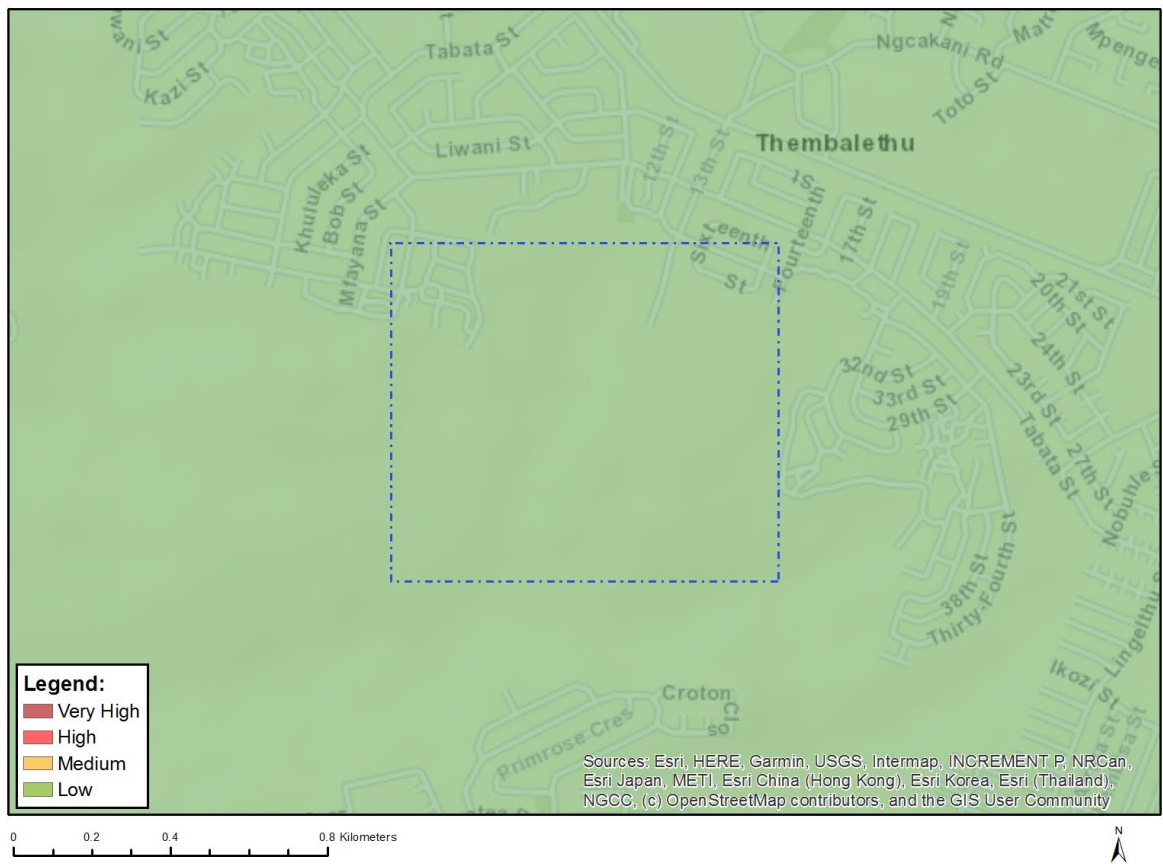


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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
Medium	Within 5 km of an air traffic control or navigation site

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

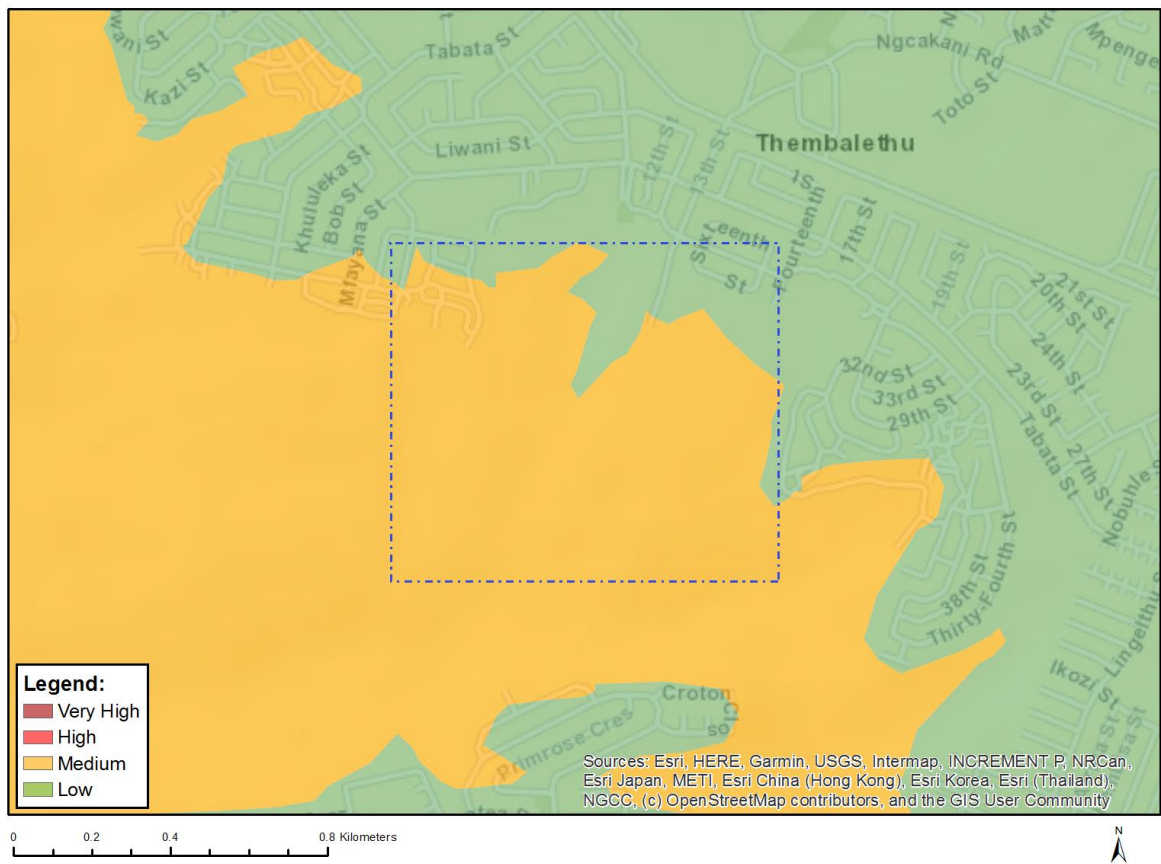


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



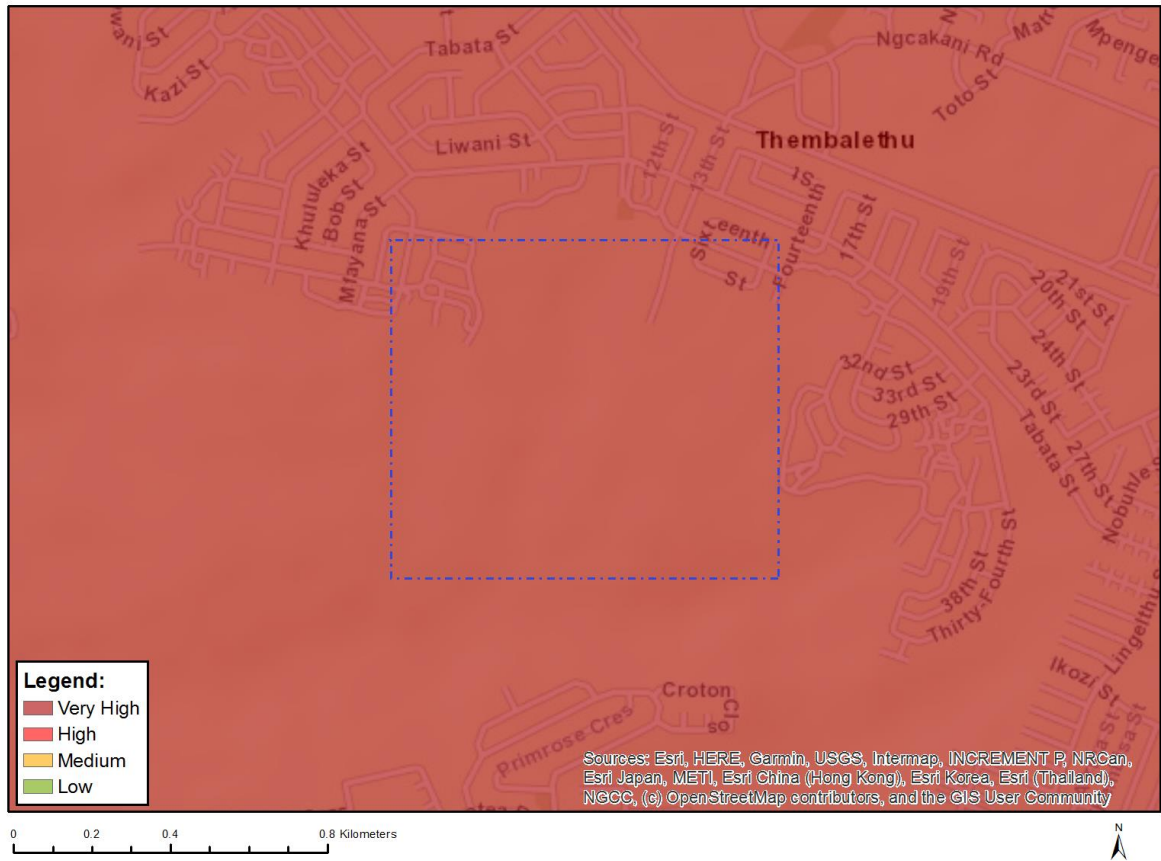
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their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

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 2: Restore from other land use
Very High	CBA 2: Terrestrial
Very High	SWSA (SW) Outeniqua
Very High	SANParks (Buffer) Garden Route National Park
Very High	CR_Garden Route Granite Fynbos