

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION OR
FOR A PART TWO AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION
AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: N/A

Project name: Melkhoutfontein Cemetery Expansion

Project title: Proposed Melkhoutfontein Cemetery Expansion

Date screening report generated: 22/07/2020 15:15:15

Applicant: Hessequa Municipality

Compiler: Lloyd Barnes

Compiler signature:

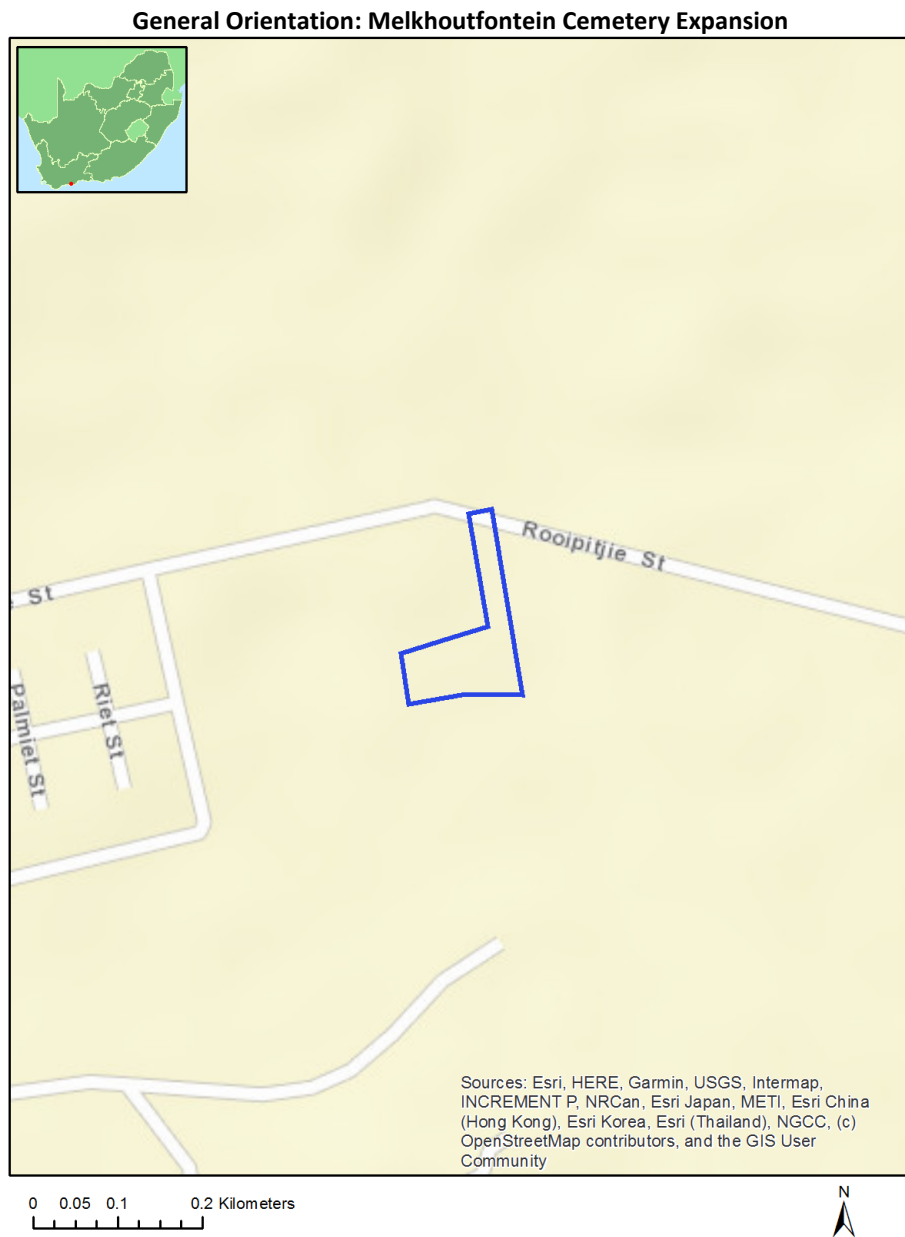
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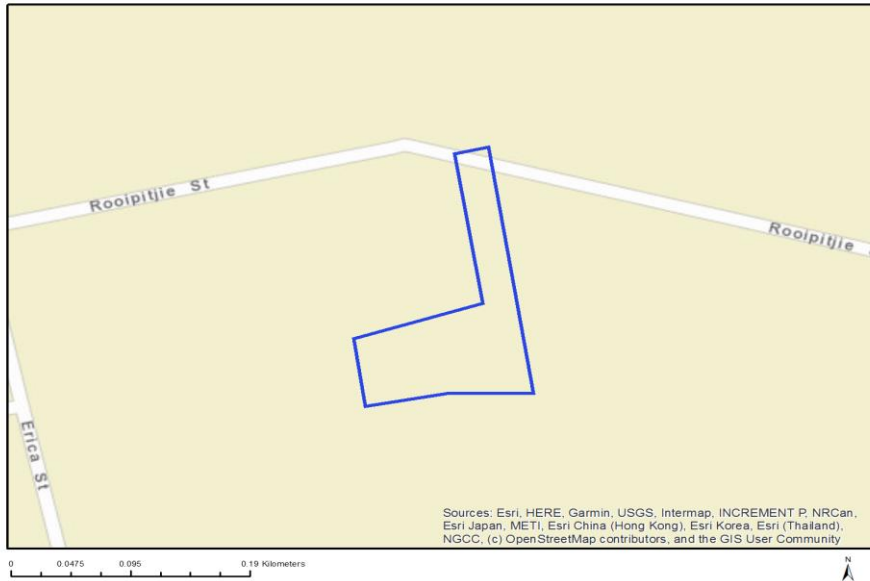
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Proposed Project Location

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	STILBAAI-OOS	566	0	34°19'39.08S	21°25'24.84E	Erven
2	STILBAAI-OOS	566	0	34°19'39.63S	21°25'20.82E	Erven
3	MELKHOUTE FONTEIN	480	0	34°19'13.51S	21°25'1.02E	Farm
4	MELKHOUTE FONTEIN	480	141	34°19'28.63S	21°25'33.77E	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

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.

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: Services|Burial and cemeteries|Cemeteries|Burial and cemeteries - Cemeteries.

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 Conservation Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SACAD_IR_2019_Q4_01_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			
Civil Aviation Theme		X		
Paleontology Theme			X	
Plant Species Theme			X	
Defence 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.

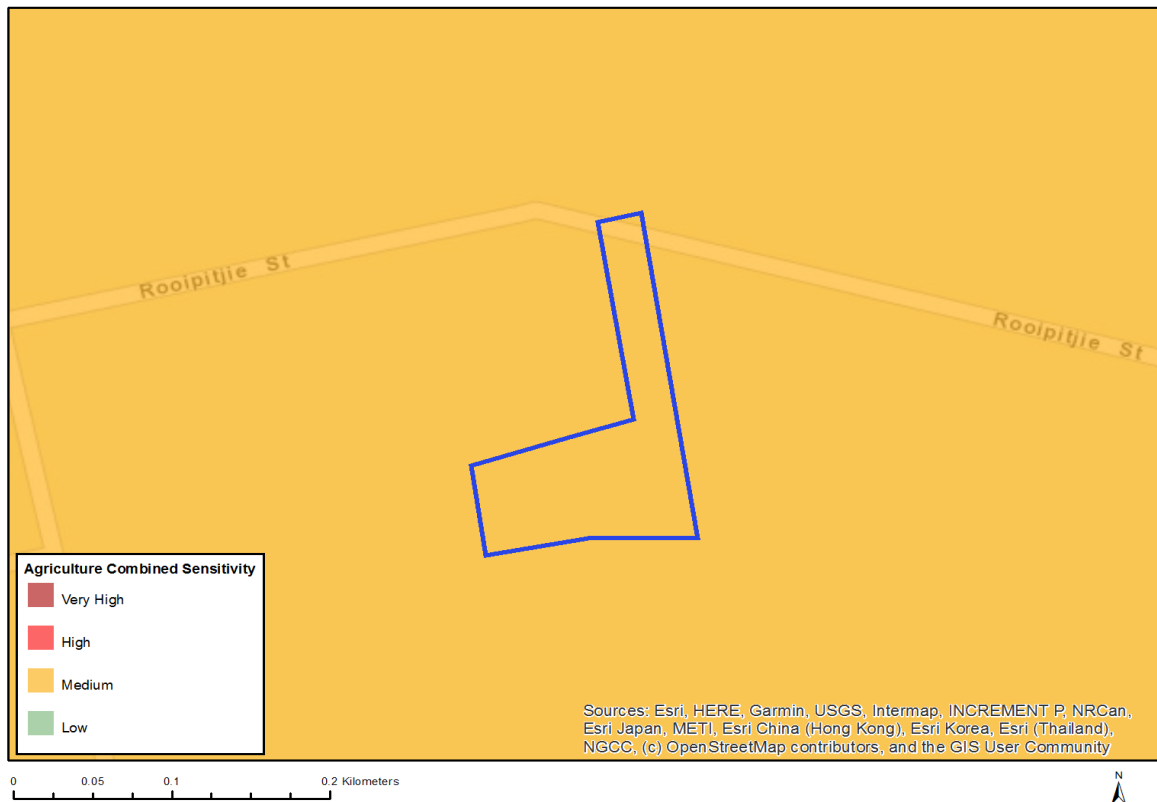
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
4	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
5	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Aquatic_Biodiversity_Assessment.pdf
6	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
7	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf

8	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
9	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
10	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
11	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_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

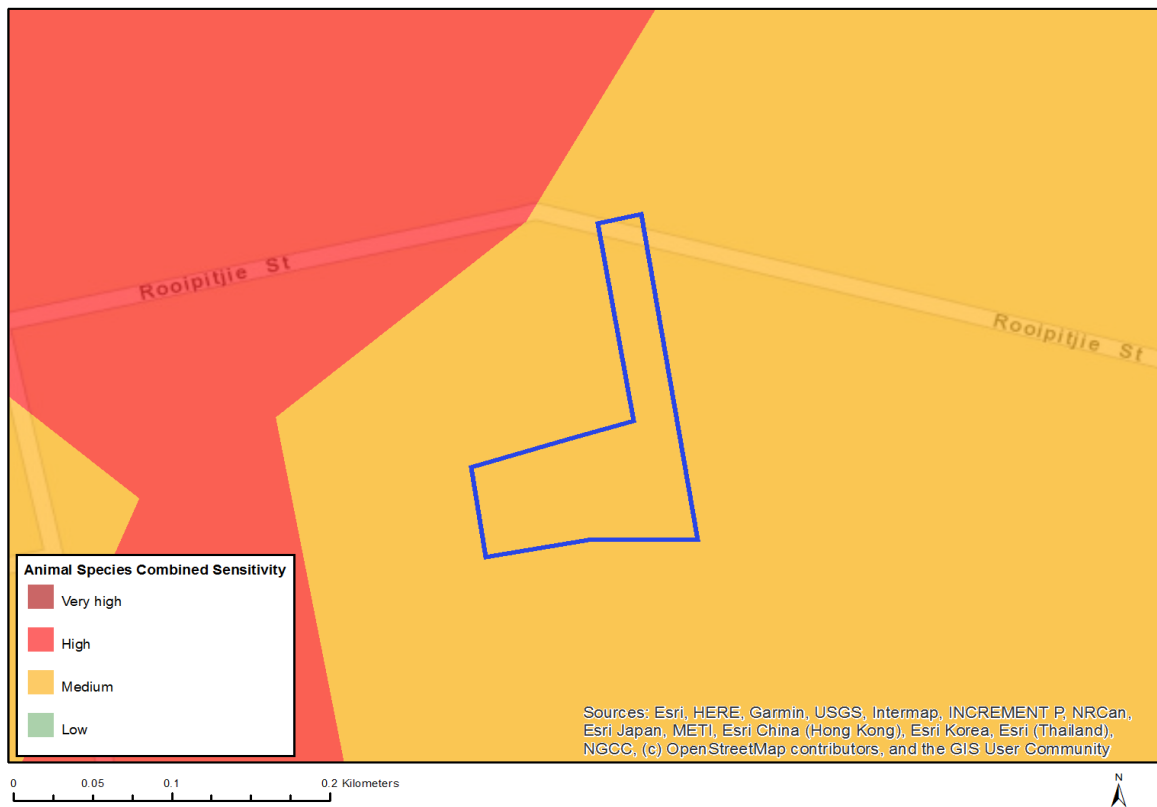


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

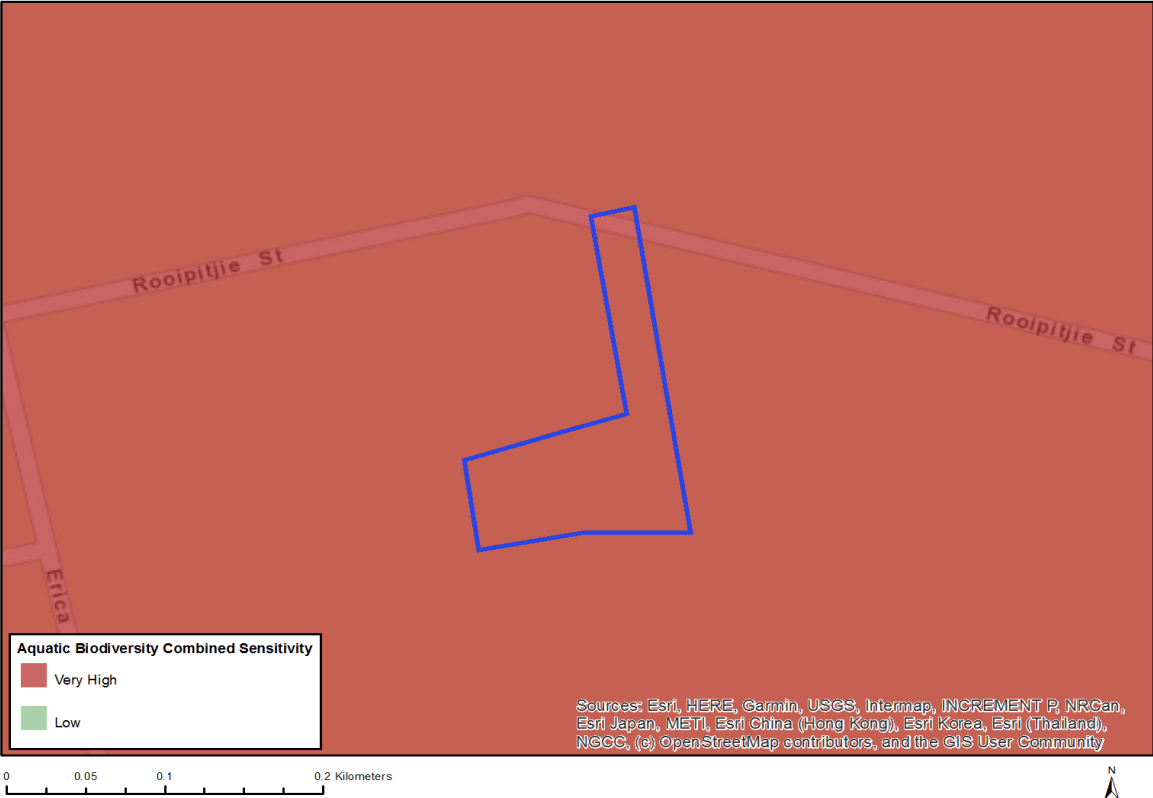


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Insecta-Chrysochrysis brooksi tearei
Medium	Insecta-Trimenia malagrida maryae
Medium	Insecta-Lepidochrysops littoralis
Medium	Insecta-Thestor claassensi
Medium	Insecta-Aloeides thyra orientis
Medium	Insecta-Aloeides trimeni southeyae

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

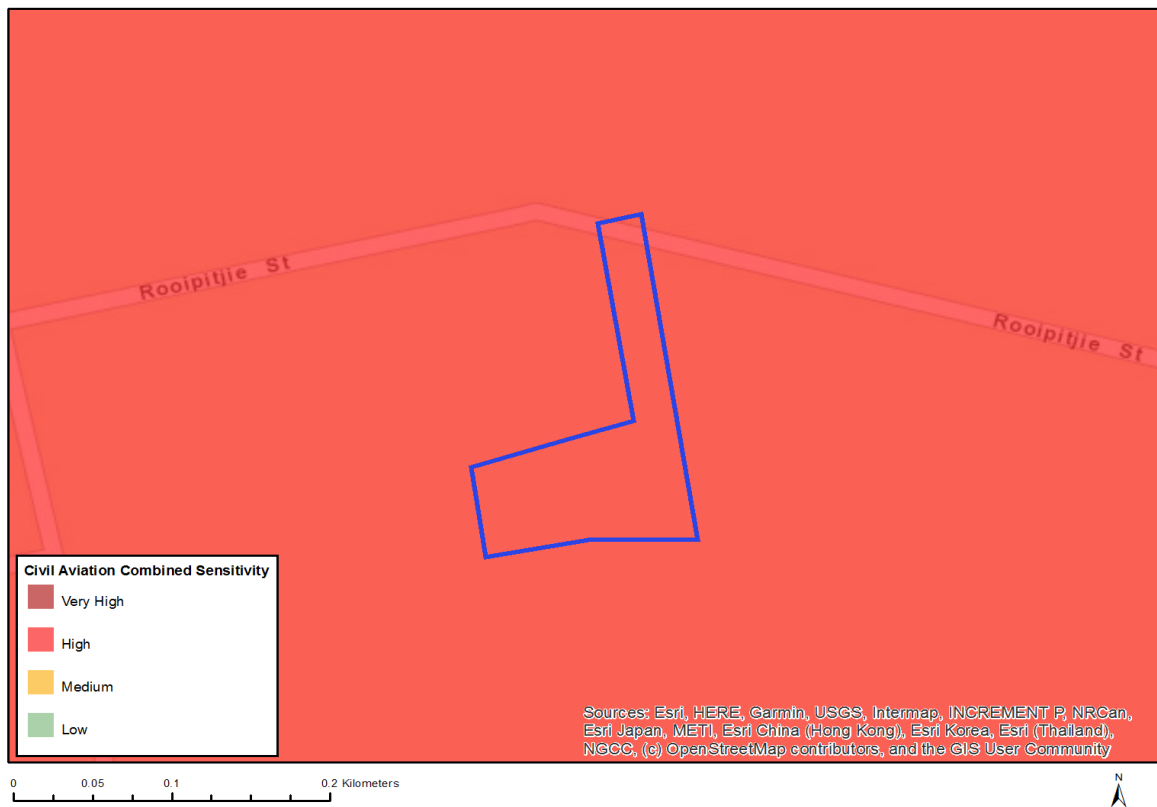


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Freshwater ecosystem priority area quinary catchments

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

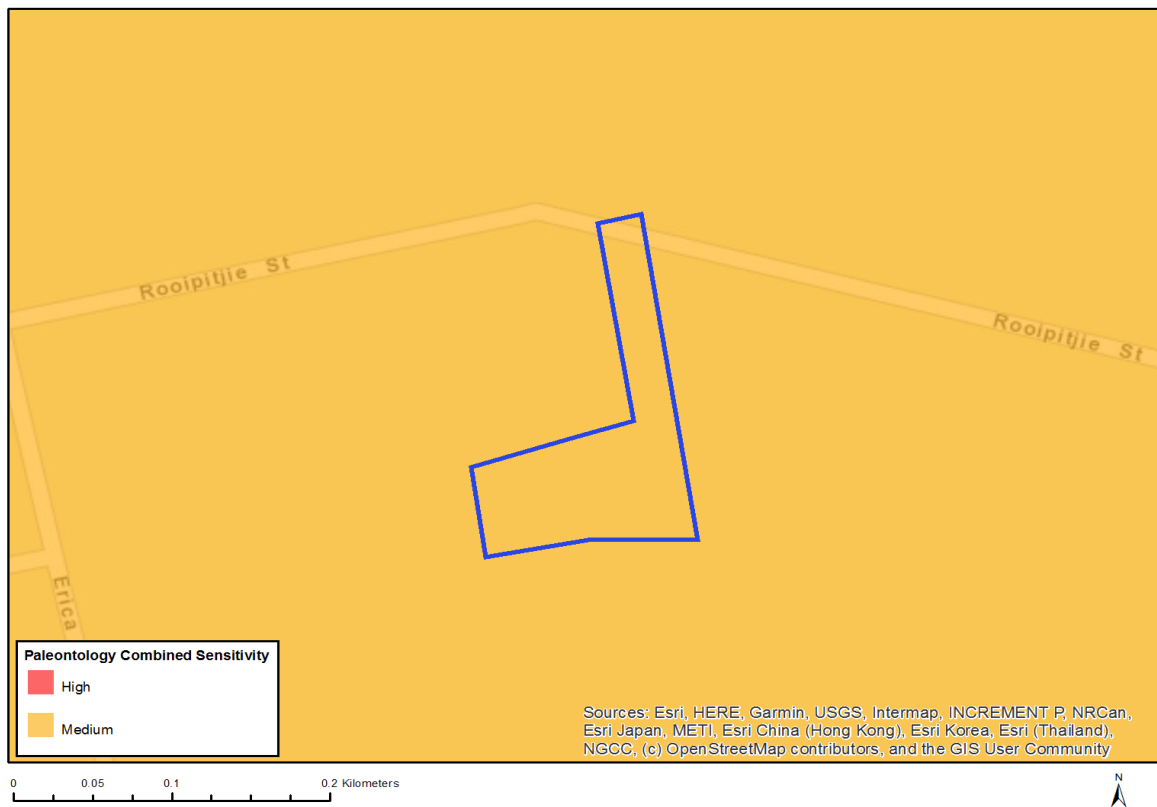


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

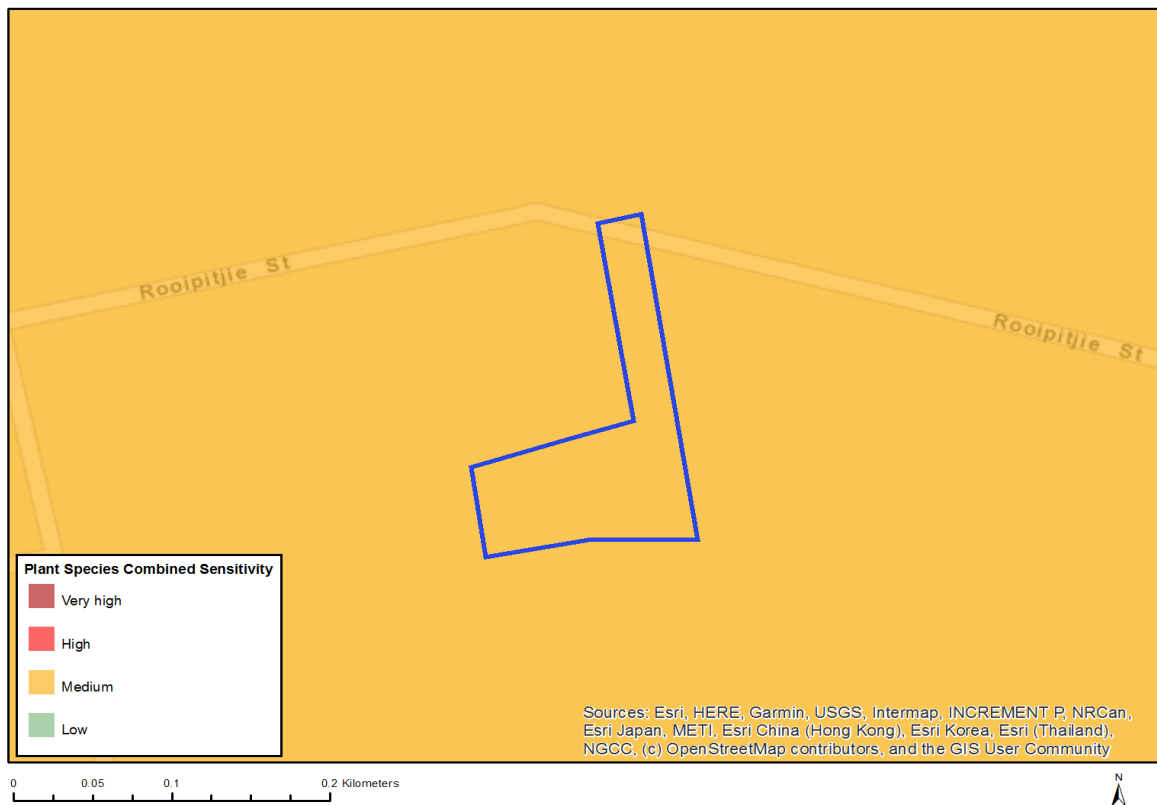


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Rock units with a medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Selago diffusa
Medium	Selago glandulosa
Medium	Pentameris calcicola var. hirsuta
Medium	Sensitive species 466
Medium	Sensitive species 771
Medium	Ruschia leptocalyx
Medium	Lobelia valida
Medium	Erica calcicola
Medium	Thamnochortus muirii
Medium	Thamnochortus pluristachyus
Medium	Duvalia immaculata
Medium	Sensitive species 287
Medium	Argyrobium harmsianum
Medium	Heliophila linearis var. reticulata
Medium	Metalasia luteola
Medium	Sensitive species 402
Medium	Felicia ebracteata
Medium	Senecio lycopodioides
Medium	Oedera steyniae
Medium	Athanasia quinqueidentata subsp. rigens
Medium	Stoebe muirii
Medium	Diosma tenella

Medium	<i>Agathosma minuta</i>
Medium	<i>Agathosma muiirii</i>
Medium	<i>Agathosma riversdalensis</i>
Medium	<i>Agathosma robusta</i>
Medium	<i>Agathosma eriantha</i>
Medium	<i>Euchaetis albertiniana</i>
Medium	<i>Cliffortia longifolia</i>
Medium	<i>Muraltia barkerae</i>
Medium	<i>Polygala pubiflora</i>
Medium	<i>Aspalathus acutiflora</i>
Medium	<i>Aspalathus prostrata</i>
Medium	<i>Aspalathus arenaria</i>
Medium	<i>Aspalathus sanguinea</i> subsp. <i>foliosa</i>
Medium	<i>Aspalathus tylodes</i>
Medium	<i>Aspalathus calcarea</i>
Medium	Sensitive species 551
Medium	<i>Phylica incurvata</i>
Medium	<i>Phylica elimensis</i>
Medium	<i>Otholobium</i> sp. nov. (Esterhuysen 33240a BOL)
Medium	<i>Lebeckia gracilis</i>
Medium	<i>Leucadendron galpinii</i>
Medium	<i>Leucadendron linifolium</i>
Medium	<i>Leucospermum praecox</i>
Medium	<i>Lampranthus pauciflorus</i>
Medium	<i>Lampranthus ceriseus</i>
Medium	<i>Lampranthus fergusoniae</i>
Medium	<i>Lampranthus foliosus</i>

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

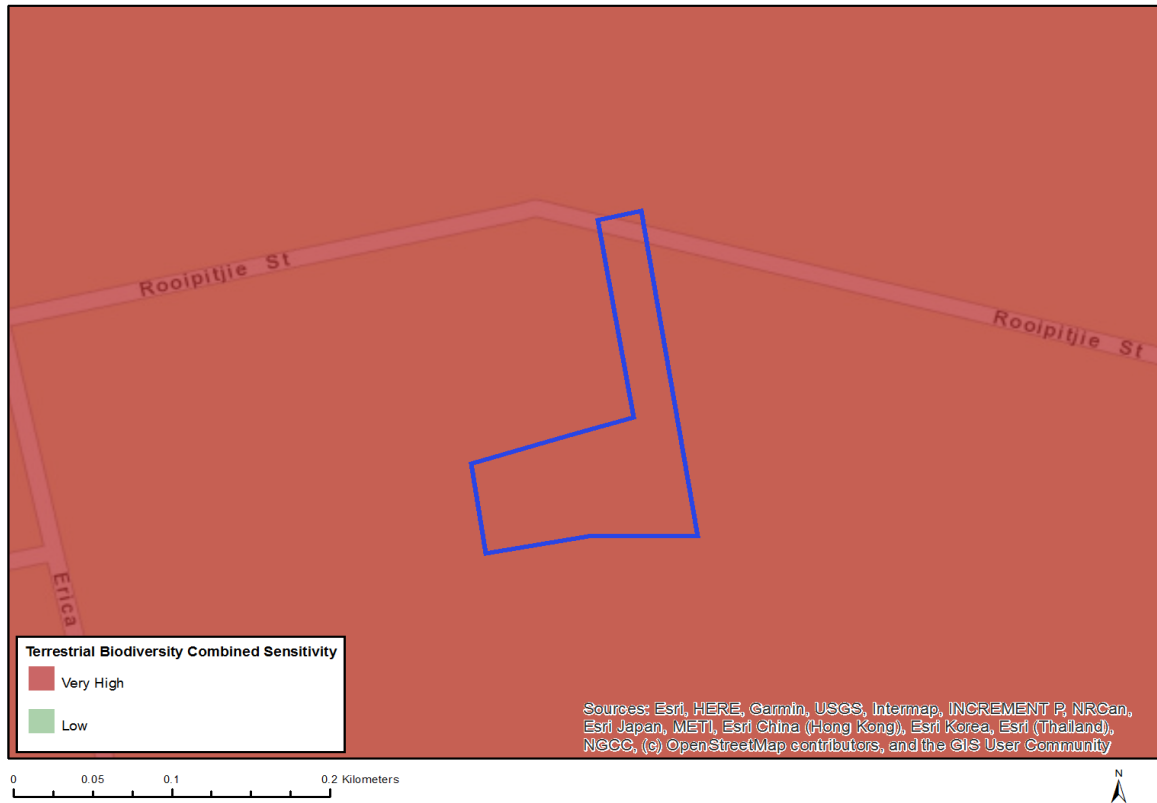


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Critical Biodiversity Area 2
Very High	Critical Biodiversity Area 1
Very High	Freshwater ecosystem priority area quinary catchments