

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

**EIA Reference number:**

**Project name:** KaapAgri Wesgraan - Klipheuwel Silo

**Project title:** Proposed Diesel Storage and Distribution Depot, 17/55 Vryheid Farm, Klipheuwel

**Date screening report generated:** 25/08/2020 14:51:41

**Applicant:** Kaap Agri (Pty) Ltd

**Compiler:** Sillito Environmental Consulting (Pty) Ltd

**Compiler signature:**

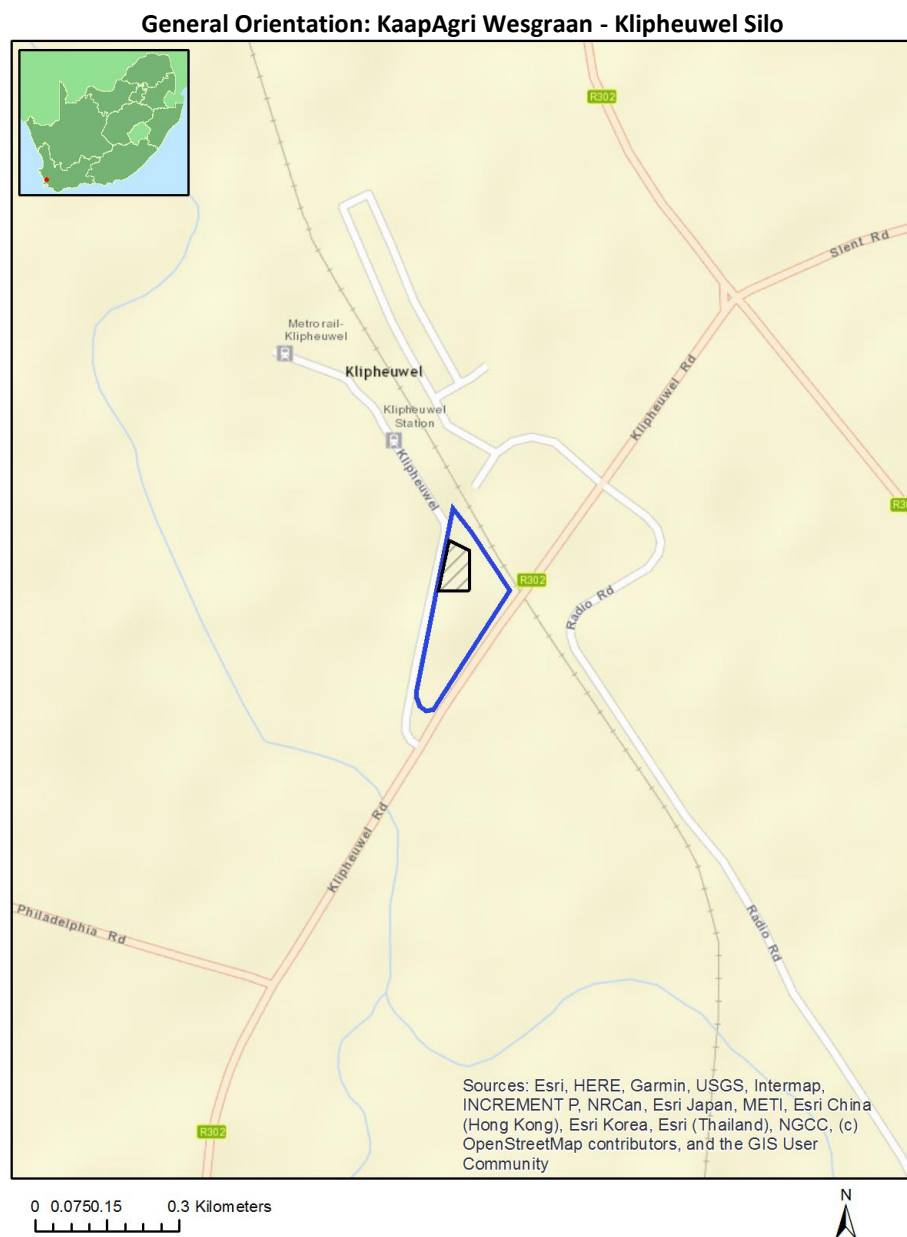
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# Proposed Project Location

## 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	VRYHEID	55	0	33°41'54.1S	18°41'52.99E	Farm
2	VRYHEID	55	17	33°42'9.04S	18°42'5.9E	Farm Portion

Development footprint<sup>1</sup> vertices:

Footprint	Latitude	Longitude
1	33°42'7.93S	18°42'4.59E
1	33°42'5.1S	18°42'5.3E
1	33°42'5.63S	18°42'6.7E
1	33°42'7.9S	18°42'6.66E
1	33°42'7.93S	18°42'4.59E

## 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	12/12/20/2384	Solar PV	Approved	27.7
2	12/12/20/2109	Solar PV	Approved	15.4

<sup>1</sup> “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 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 footprint as well as the most environmental sensitive features on the footprint based on the footprint sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

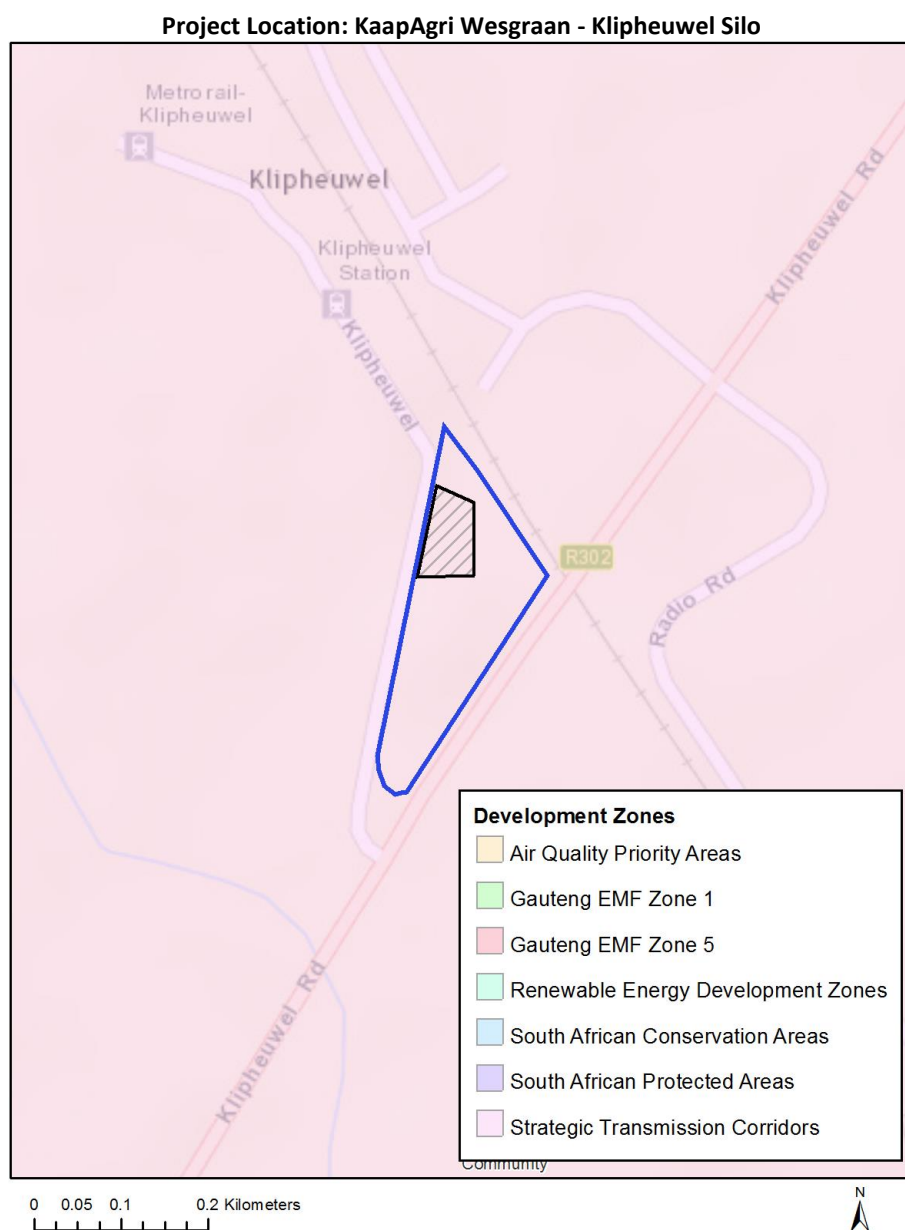
Infrastructure | Localised infrastructure | Storage | Dangerous Goods | Hydrocarbon | Petroleum | Storage\_Hydrocarbon - Petroleum.

### Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this footprint are indicated below.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	<a href="https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GNR_350_of_13_April_2017.pdf">https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GNR_350_of_13_April_2017.pdf</a>

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 footprint 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		
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 footprint situation.

N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Agriculture_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Agriculture_Assessment_Protocols.pdf</a>
2	Archaeological and Cultural Heritage Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>
3	Palaeontology Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>
4	Terrestrial Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf</a>
5	Aquatic Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Aquatic_Biodiversity_Assessment.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Aquatic_Biodiversity_Assessment.pdf</a>
6	Hydrology Assess	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>

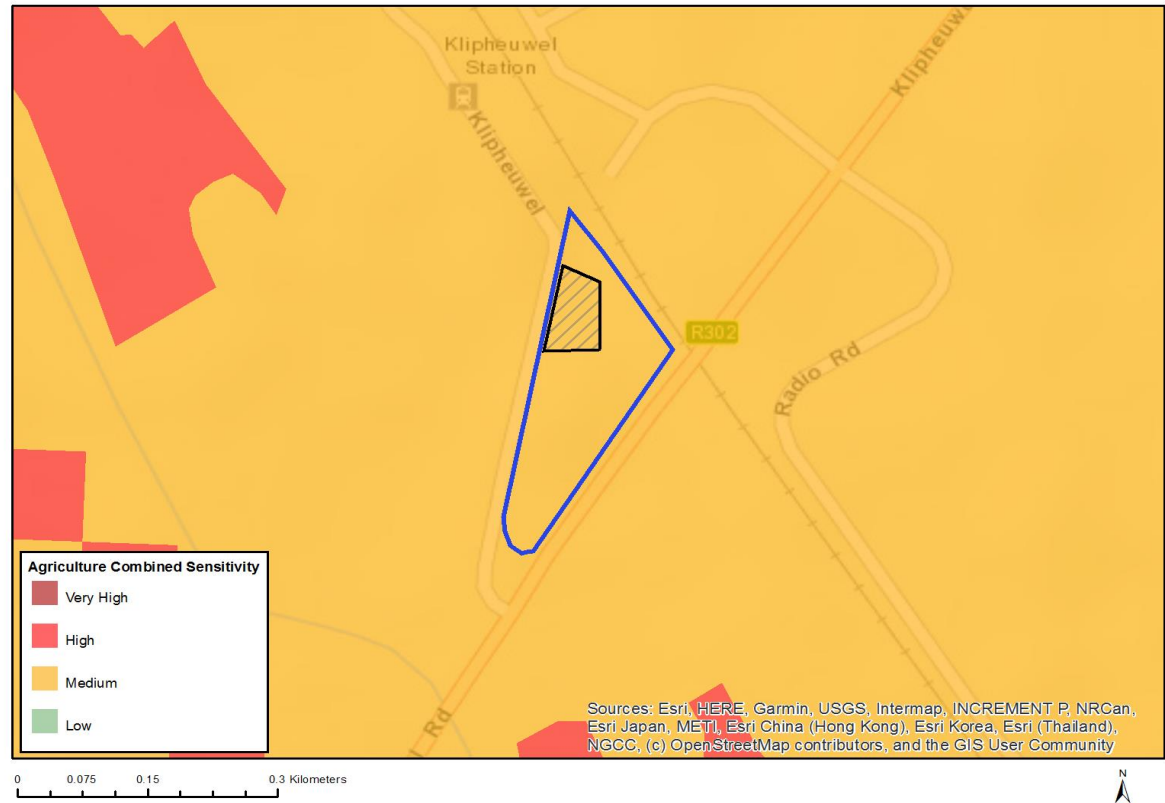
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7	Noise Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Noise_Impacts_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Noise_Impacts_Assessment_Protocols.pdf</a>
8	Traffic Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>
9	Geotechnical Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>
10	Socio-Economic Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>
11	Plant Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>
12	Animal Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf</a>



# Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed footprint 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

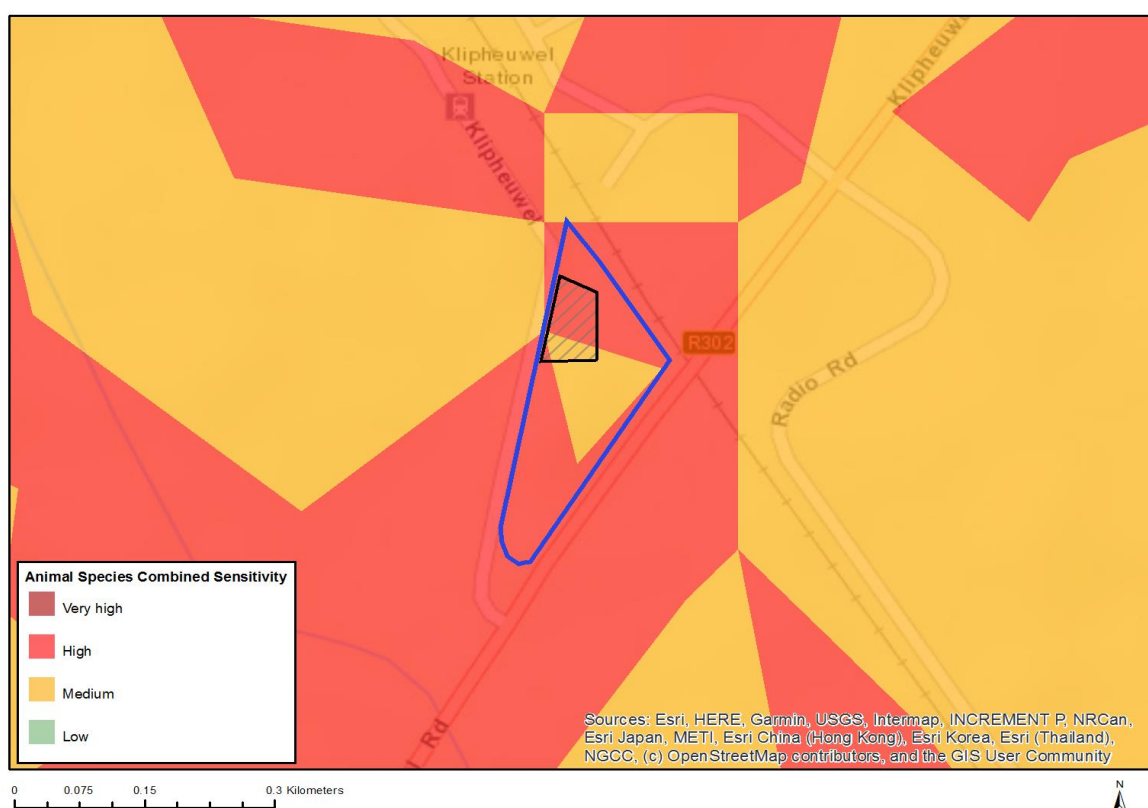


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

### Sensitivity Features:

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

## MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

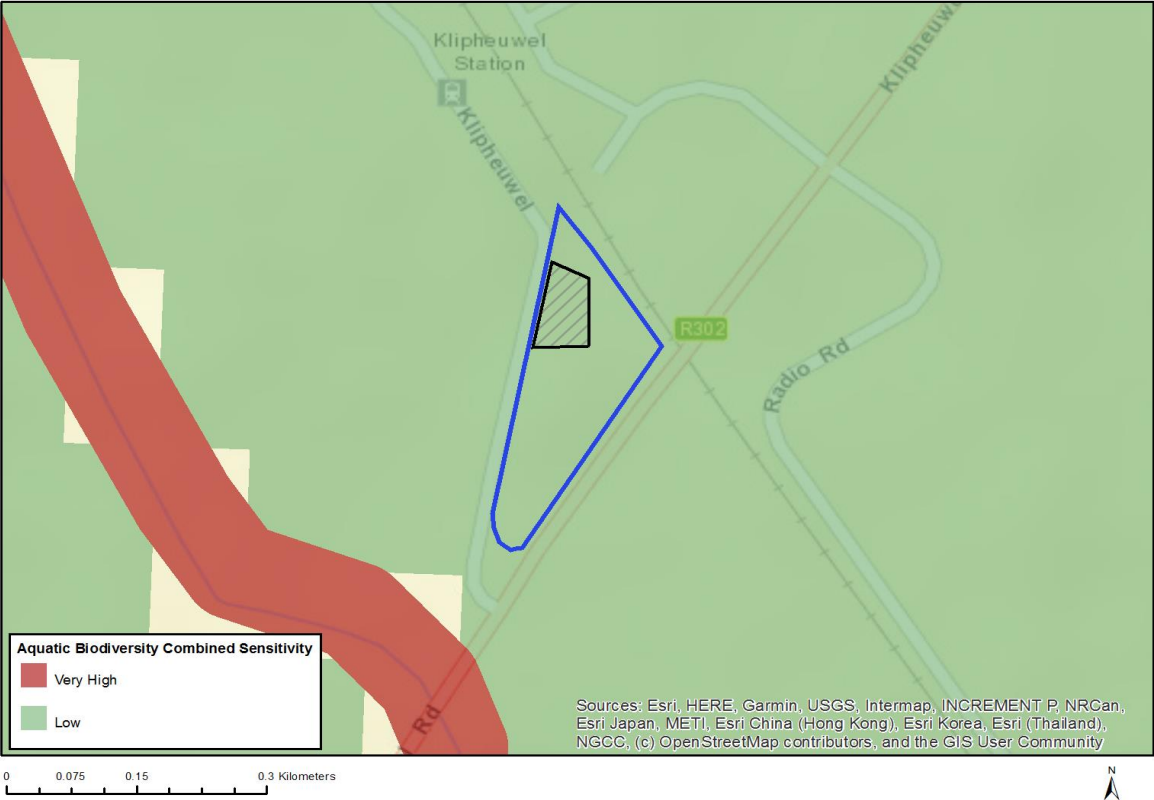


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Aves-Circus maurus
Medium	Insecta-Torynesis mintha piquetbergensis
Medium	Sensitive species 2
Medium	Sensitive species 7
Medium	Sensitive species 5
Medium	Insecta-Aloeides egerides
Medium	Insecta-Kedestes lenis lenis
Medium	Insecta-Thestor dicksoni malagas

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

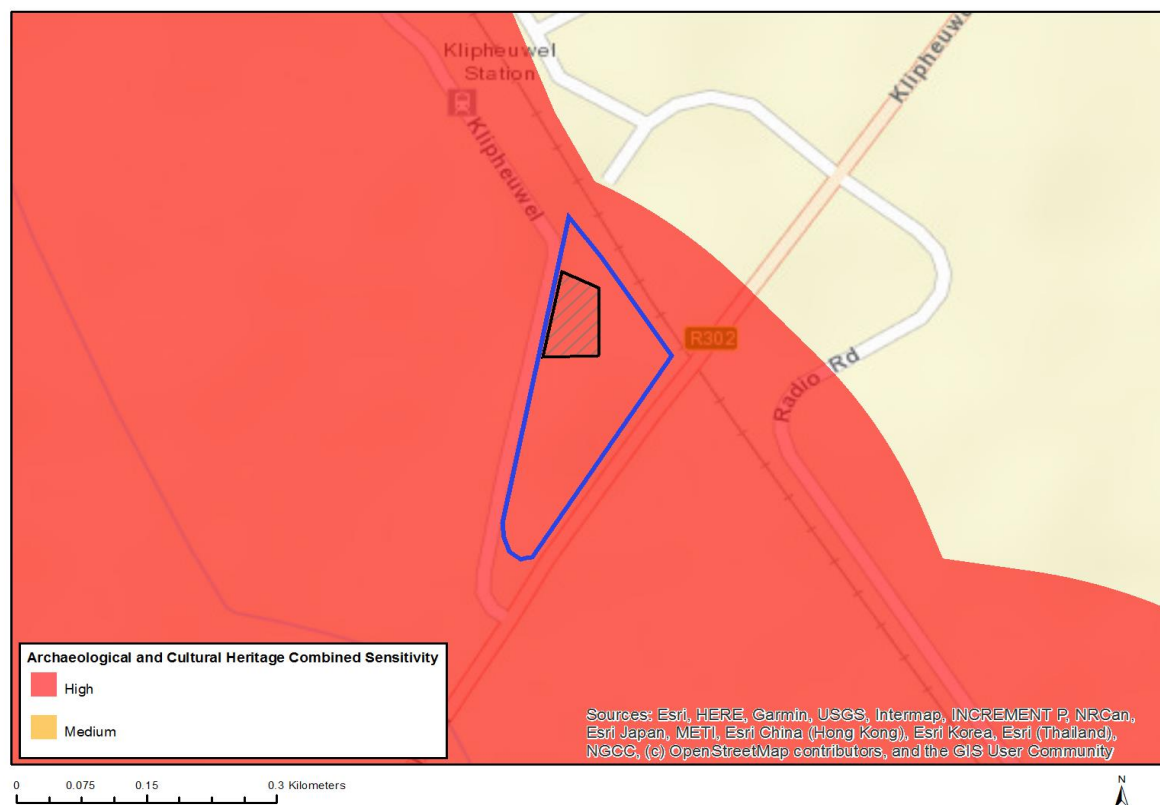


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

## MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

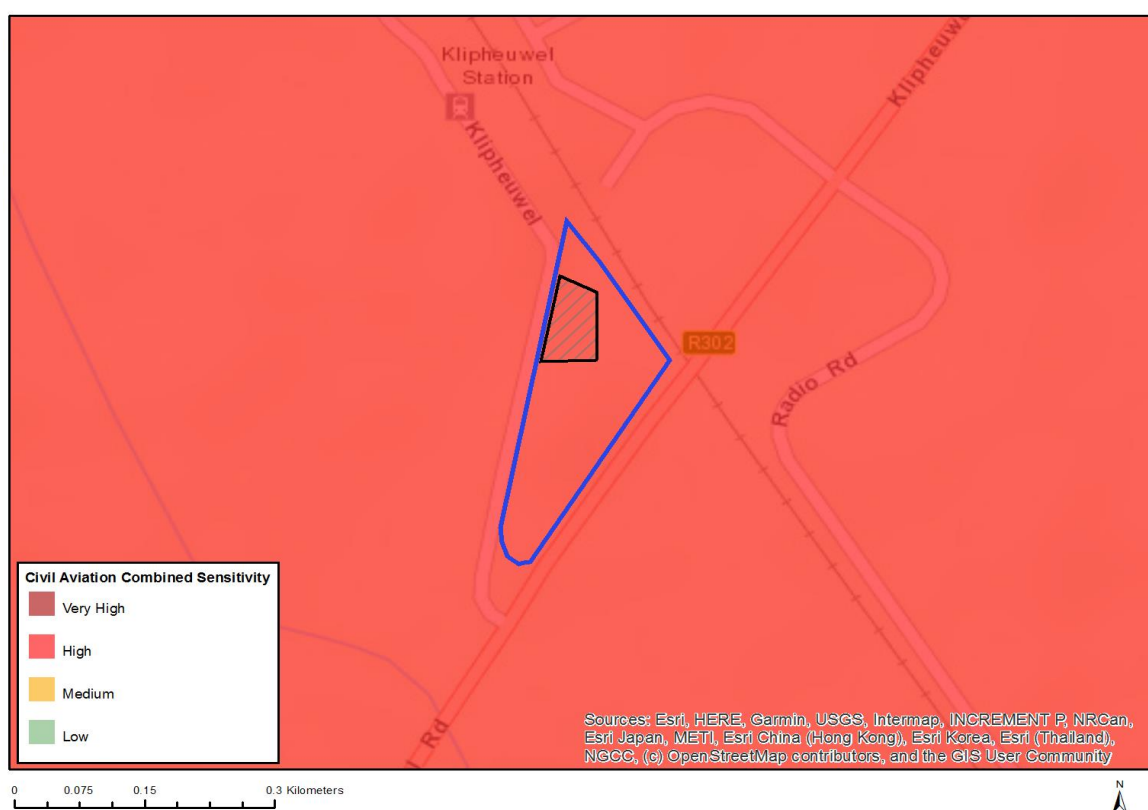


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Within 500 m of an important river

## MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

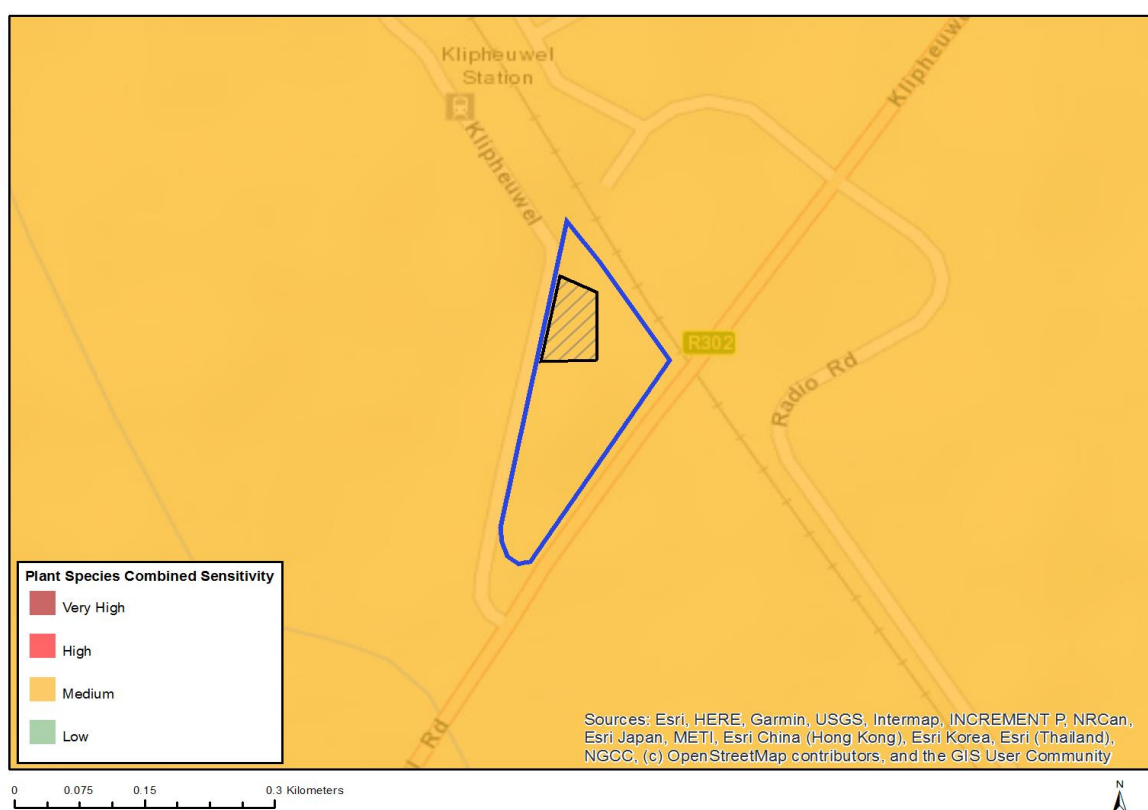


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Medium	Between 15 and 35 km from a civil aviation radar
Medium	Between 15 and 35 km from a major civil aviation aerodrome

## MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

### Sensitivity Features:

Sensitivity	Feature(s)
Medium	<i>Pentameris bachmannii</i>
Medium	<i>Antimima aristulata</i>
Medium	<i>Erepsia patula</i>
Medium	<i>Erepsia ramosa</i>
Medium	<i>Anthospermum ericifolium</i>
Medium	<i>Lobostemon capitatus</i>
Medium	<i>Echiostachys incanus</i>
Medium	<i>Echiostachys spicatus</i>
Medium	<i>Tritoniopsis elongata</i>
Medium	<i>Hesperantha sufflava</i>
Medium	<i>Hesperantha spicata</i> subsp. <i>spicata</i>
Medium	Sensitive species 85
Medium	Sensitive species 69
Medium	Sensitive species 78
Medium	Sensitive species 61
Medium	Sensitive species 90
Medium	Sensitive species 96
Medium	<i>Geissorhiza erosa</i>
Medium	<i>Geissorhiza furva</i>
Medium	<i>Geissorhiza monanthos</i>
Medium	<i>Geissorhiza radians</i>
Medium	<i>Geissorhiza setacea</i>

Medium	<i>Ezoloba macrocarpa</i>
Medium	<i>Ixia abbreviata</i>
Medium	<i>Ixia fuscocitrina</i>
Medium	<i>Codonrhiza azurea</i>
Medium	Sensitive species 458
Medium	Sensitive species 464
Medium	Sensitive species 636
Medium	Sensitive species 642
Medium	Sensitive species 590
Medium	Sensitive species 640
Medium	Sensitive species 772
Medium	Sensitive species 777
Medium	Sensitive species 557
Medium	<i>Pauridia pygmaea</i>
Medium	<i>Pauridia alba</i>
Medium	<i>Ruschia geminiflora</i>
Medium	<i>Ruschia diversifolia</i>
Medium	<i>Drosanthemum striatum</i>
Medium	<i>Drosanthemum hispidifolium</i>
Medium	<i>Oxalis natans</i>
Medium	<i>Cephalophyllum parviflorum</i>
Medium	<i>Hermannia rugosa</i>
Medium	Sensitive species 364
Medium	Sensitive species 676
Medium	Sensitive species 697
Medium	Sensitive species 679
Medium	Sensitive species 588
Medium	<i>Isoetes capensis</i>
Medium	Sensitive species 744
Medium	<i>Trianoptiles solitaria</i>
Medium	<i>Elegia extensa</i>
Medium	<i>Elegia squamosa</i>
Medium	<i>Hypodiscus rugosus</i>
Medium	<i>Restio impolitus</i>
Medium	<i>Restio rigoratus</i>
Medium	<i>Restio papillosus</i>
Medium	<i>Restio duthieae</i>
Medium	<i>Restio paludosus</i>
Medium	<i>Anisodonteia biflora</i>
Medium	Sensitive species 306
Medium	Sensitive species 299
Medium	<i>Pterygodium inversum</i>
Medium	<i>Xiphotheca lanceolata</i>
Medium	<i>Xiphotheca reflexa</i>
Medium	<i>Metalasia capitata</i>
Medium	<i>Metalasia octoflora</i>
Medium	<i>Marasmodes dummeri</i>
Medium	<i>Senecio cadiscus</i>
Medium	<i>Athanasia crenata</i>
Medium	<i>Athanasia capitata</i>
Medium	Sensitive species 666
Medium	<i>Psoralea alata</i>
Medium	<i>Agathosma latipetala</i>
Medium	<i>Cliffortia acockii</i>
Medium	<i>Cliffortia marginata</i>
Medium	<i>Indigofera psoraloides</i>
Medium	<i>Muraltia decipiens</i>
Medium	<i>Muraltia macropetala</i>
Medium	<i>Aspalathus aculeata</i>
Medium	<i>Aspalathus muraltioides</i>

Medium	<i>Aspalathus araneosa</i>
Medium	<i>Aspalathus recurva</i>
Medium	<i>Aspalathus acanthophylla</i>
Medium	<i>Aspalathus varians</i>
Medium	<i>Aspalathus wurmbeana</i>
Medium	<i>Aspalathus crewiana</i>
Medium	Sensitive species 514
Medium	Sensitive species 518
Medium	Sensitive species 534
Medium	Sensitive species 541
Medium	Sensitive species 547
Medium	<i>Wurmbea inusta</i>
Medium	<i>Phylica plumosa</i> var. <i>squarrosa</i>
Medium	<i>Phylica stenopetala</i> var. <i>stenopetala</i>
Medium	<i>Phylica strigulosa</i>
Medium	<i>Phylica thunbergiana</i>
Medium	<i>Rafnia lancea</i>
Medium	<i>Rafnia angulata</i> subsp. <i>ericifolia</i>
Medium	<i>Lebeckia plukenetiana</i>
Medium	<i>Podalyria microphylla</i>
Medium	<i>Podalyria sericea</i>
Medium	<i>Aponogeton angustifolius</i>
Medium	<i>Aponogeton fugax</i>
Medium	<i>Leucadendron stellare</i>
Medium	<i>Leucadendron thymifolium</i>
Medium	<i>Leucadendron verticillatum</i>
Medium	<i>Leucadendron corymbosum</i>
Medium	<i>Leucadendron lanigerum</i> var. <i>lanigerum</i>
Medium	<i>Leucadendron argenteum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>canaliculatum</i>
Medium	<i>Protea burchellii</i>
Medium	<i>Serruria brownii</i>
Medium	<i>Serruria incrassata</i>
Medium	<i>Serruria pinnata</i>
Medium	<i>Serruria trilopha</i>
Medium	<i>Lampranthus leptaleon</i>
Medium	<i>Lampranthus peacockiae</i>
Medium	<i>Lampranthus scaber</i>
Medium	<i>Lampranthus sociorum</i>
Medium	<i>Lampranthus debilis</i>
Medium	<i>Lampranthus dilutus</i>
Medium	<i>Lampranthus filicaulis</i>
Medium	<i>Lampranthus glaucus</i>
Medium	<i>Merciera tetraloba</i>



MAP OF RELATIVE DEFENCE THEME SENSITIVITY

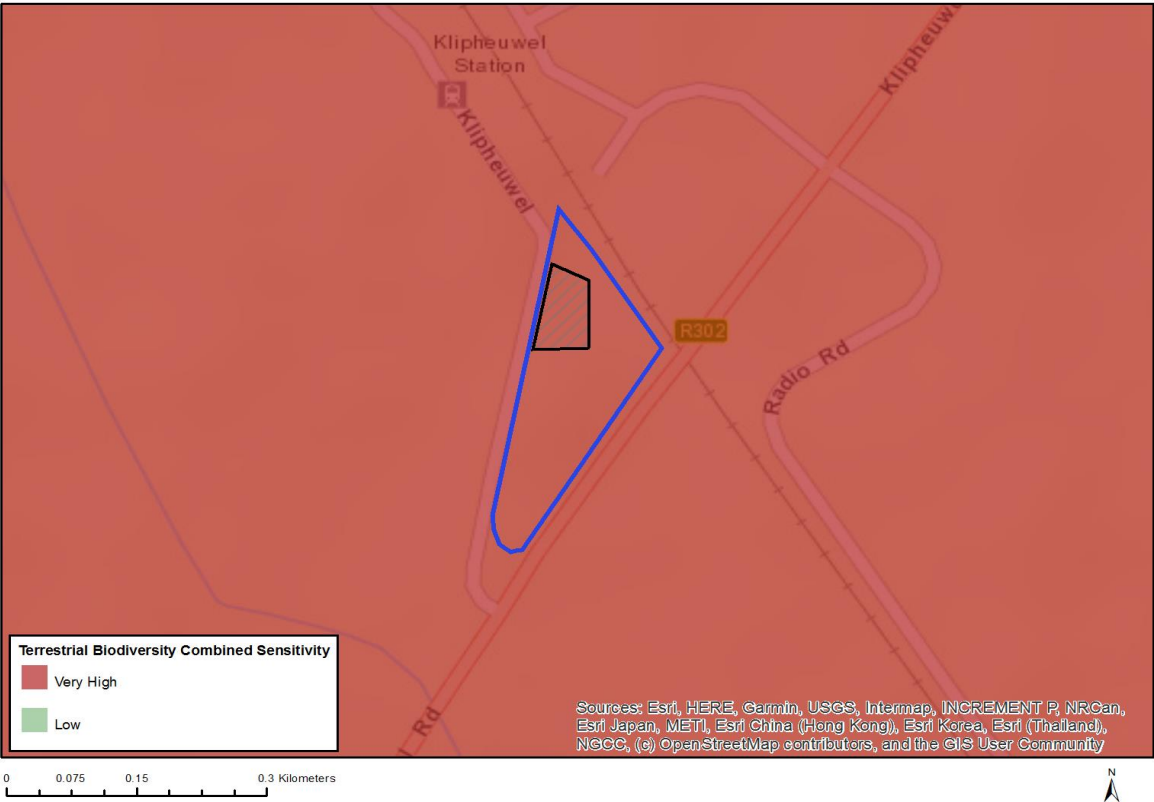


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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	Critically endangered ecosystem