APPENDIX 2

DFFE SCREENING REPORT AND SITE SENSITIVITY VERIFICATION

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

EIA Reference number:

Project name: CWA Expansion project

Project title: CWA Expansion project

Date screening report generated: 31/05/2023 10:27:53

Applicant: Cape Winelands Airport

Compiler: PHS Consulting

Compiler signature:

.....

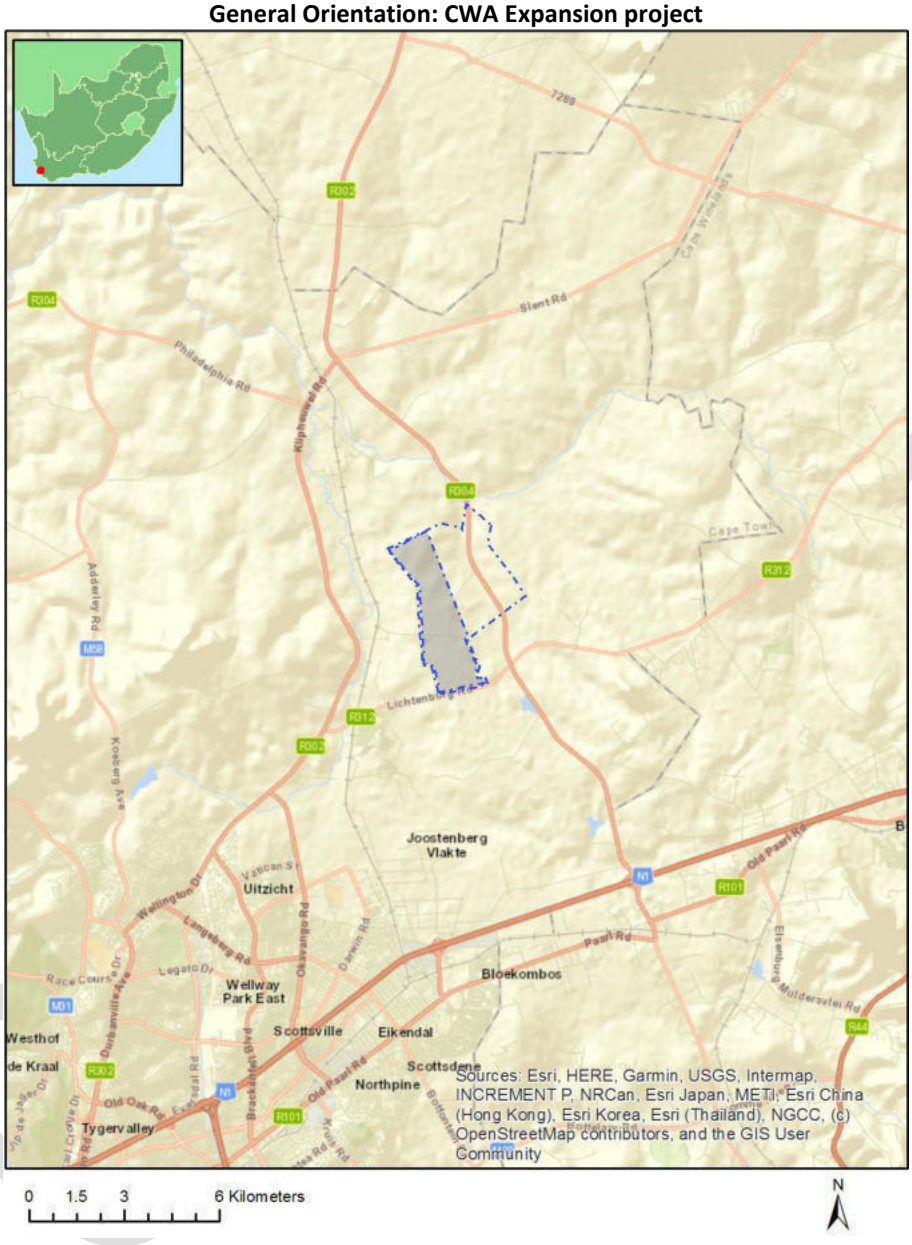
Application Category: Infrastructure|Transport Services|Airport_Runways_Landing Strip_Helipad|Commercial

Table of Contents

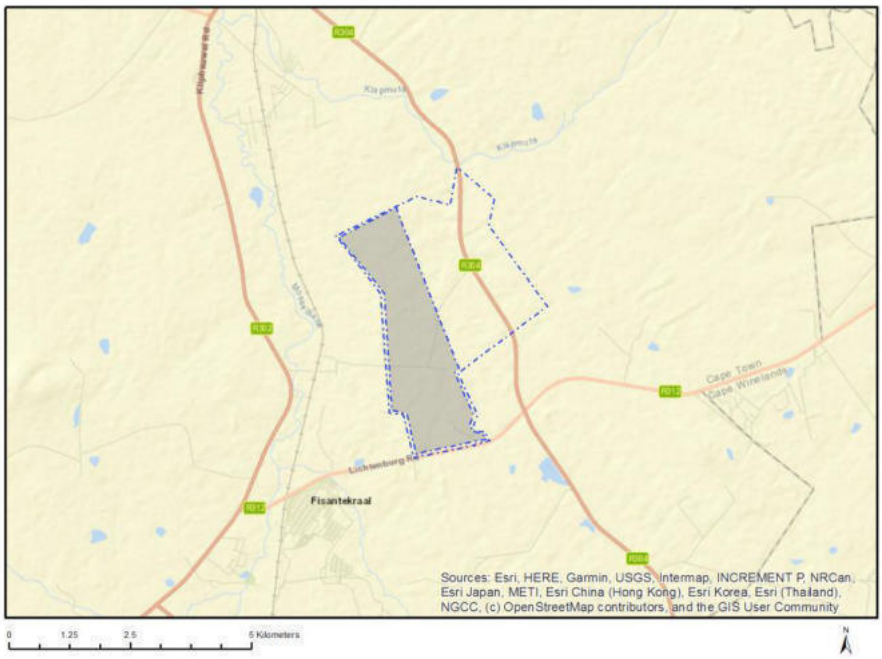
Proposed Project Location

Orientation map 1: General location

General Orientation: CWA Expansion project



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	JOOSTENBERGS KLOOF	474	0	33°45'33.29S	18°44'50.31E	Farm
2	JOOSTENBERG VLAKTE	724	0	33°47'12.62S	18°43'58.99E	Farm
3	KLIPRUG	942	0	33°43'51.86S	18°43'51.42E	Farm
4		1293	0	33°43'40.2S	18°44'23.51E	Farm
5	JOOSTENBERGS KLOOF	474	3	33°45'39.94S	18°44'51.04E	Farm Portion
6	KLIPRUG	942	7	33°44'28.77S	18°44'10.4E	Farm Portion
7	JOOSTENBERGS KLOOF	474	4	33°46'7.73S	18°44'41.41E	Farm Portion
8		1263	0	33°43'41.48S	18°44'23.55E	Farm Portion
9	JOOSTENBERG VLAKTE	724	0	33°45'49.53S	18°44'0.5E	Farm Portion
10	KLIPRUG	942	7	33°44'30.38S	18°44'10.4E	Farm Portion
11	JOOSTENBERG VLAKTE	724	23	33°45'26.55S	18°43'56.04E	Farm Portion
12	KLIPRUG	942	16	33°44'8.63S	18°44'36.26E	Farm Portion
13	JOOSTENBERG VLAKTE	724	0	33°47'12.62S	18°43'58.99E	Farm Portion
14	JOOSTENBERGS KLOOF	474	0	33°45'9.71S	18°44'41.41E	Farm Portion
15	JOOSTENBERG VLAKTE	724	10	33°46'13.22S	18°44'19.43E	Farm Portion

Development footprint[1] vertices:

Footprint	Latitude	Longitude
1	33°46'33.36S	18°44'9.63E
1	33°46'10.72S	18°44'3.29E
1	33°46'8.57S	18°43'53.37E
1	33°45'3.86S	18°43'48.44E
1	33°44'32.97S	18°43'18.15E
1	33°44'16.37S	18°43'56.63E
1	33°45'45.37S	18°44'38.25E
1	33°45'48.01S	18°44'35.82E
1	33°46'10.56S	18°44'48.14E
1	33°46'16.74S	18°44'45.69E
1	33°46'20.72S	18°44'48.08E
1	33°46'21.75S	18°44'54.24E
1	33°46'24.97S	18°44'56.79E
1	33°46'33.36S	18°44'9.63E

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	12/12/20/2109	Solar PV	Approved	21.3

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|Transport Services|Airport_Runways_Landing Strip_Helipad|Commercial.

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.

[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.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Strategic Gas Pipeline Corridors-Phase 1a & 1b: Saldanha to Ankerlig and Saldanha to Mossel Bay	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf

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		
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 footprint situation.

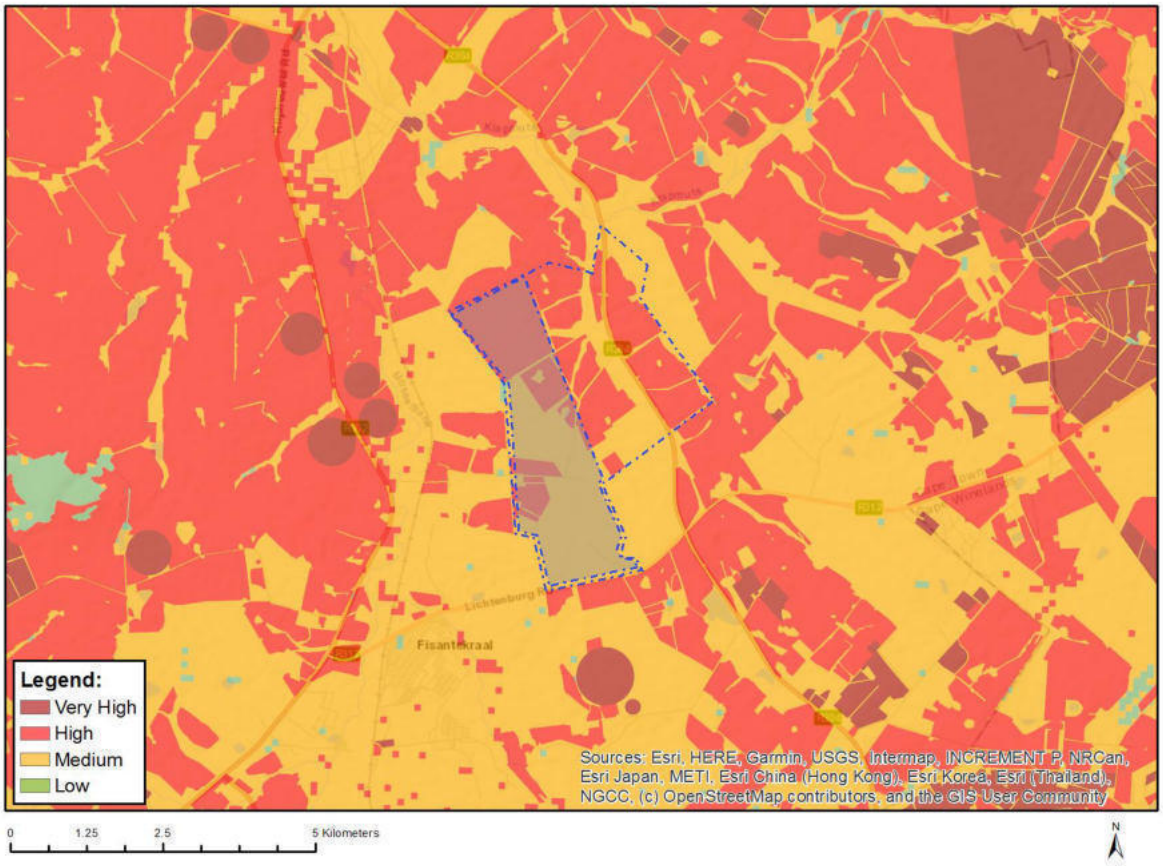
No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_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
6	Avian Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Avifauna_Assessment_Protocols.pdf
7	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
8	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Defence_Installations_Assessment_Protocols.pdf
9	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
14	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 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

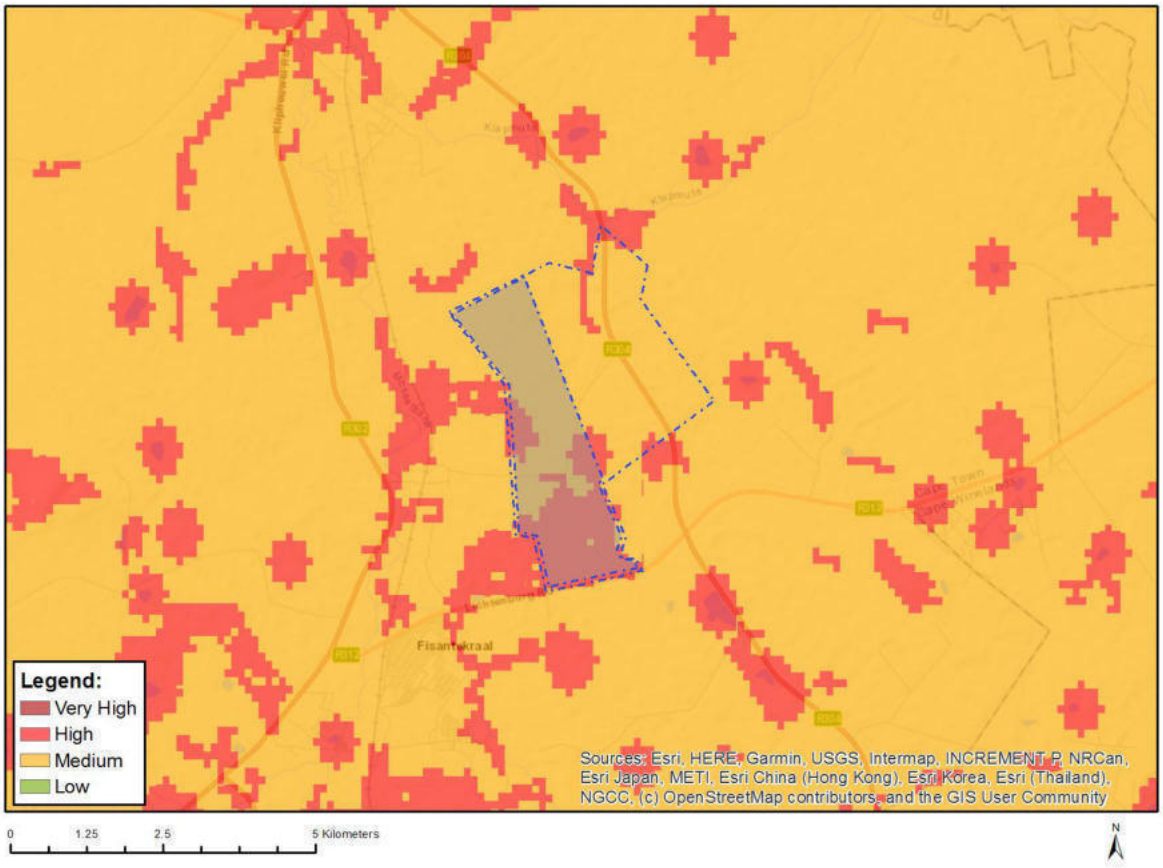


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
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



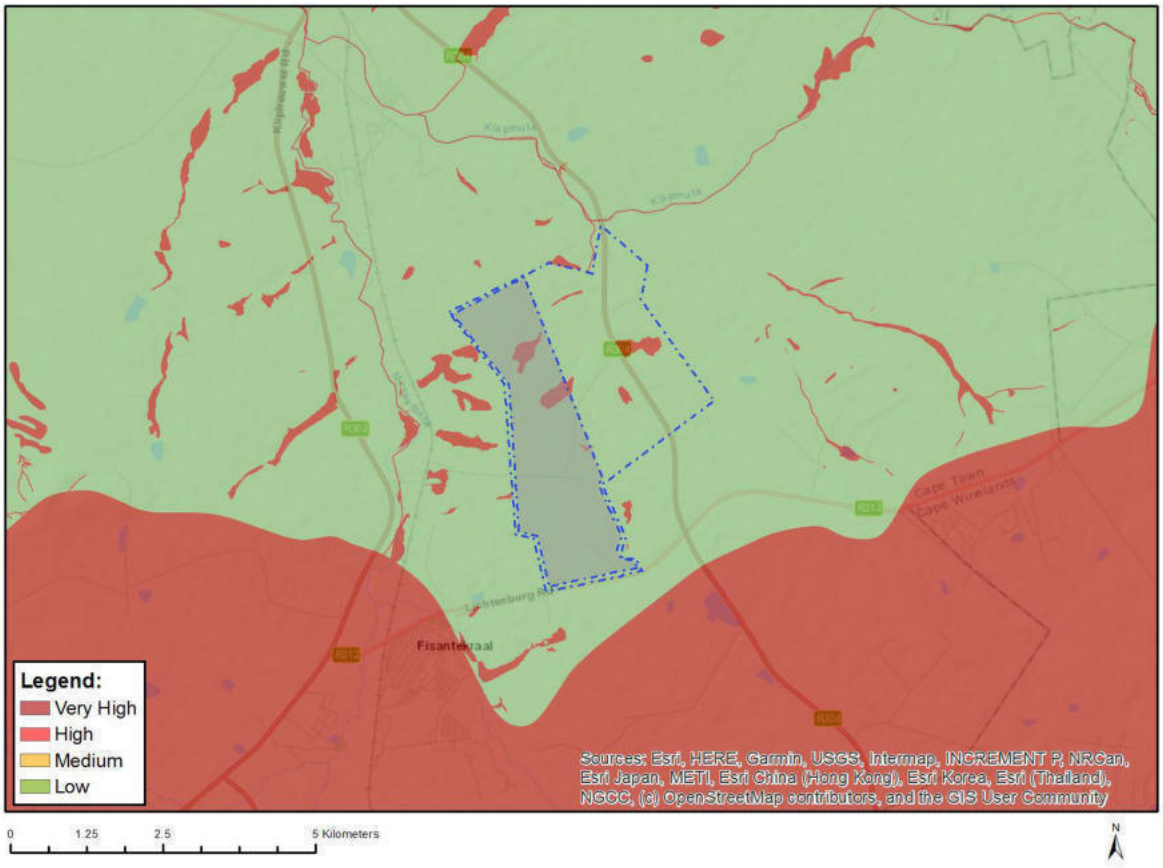
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
High	Aves-Circus maurus
High	Aves-Pelecanus onocrotalus
High	Aves-Sagittarius serpentarius
Medium	Aves-Circus ranivorus
Medium	Aves-Hydroprogne caspia
Medium	Aves-Afrotis afra
Medium	Invertebrate-Pachysoma aesculapius
Medium	Invertebrate-Conocephalus peringueyi
Medium	Invertebrate-Aneuryphymus montanus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

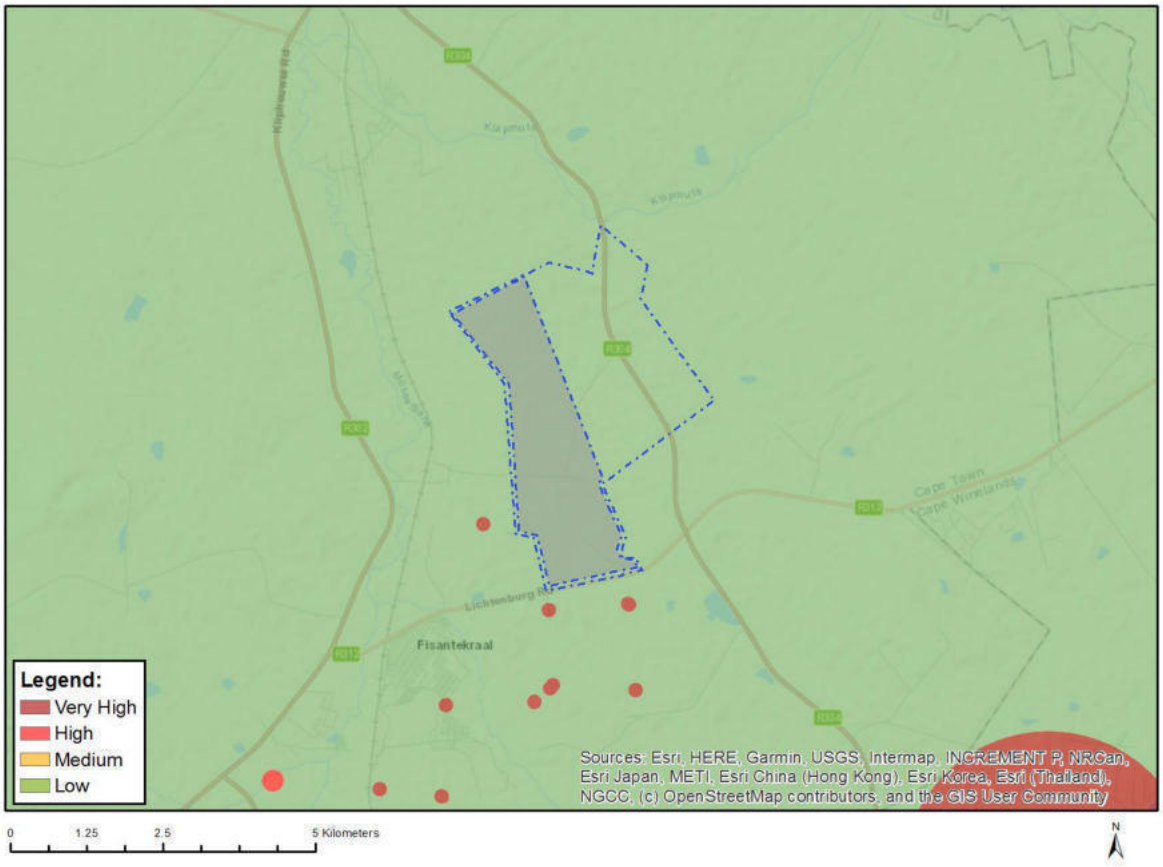


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Wetlands_West Coast Renosterveld Bioregion (Seep)

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

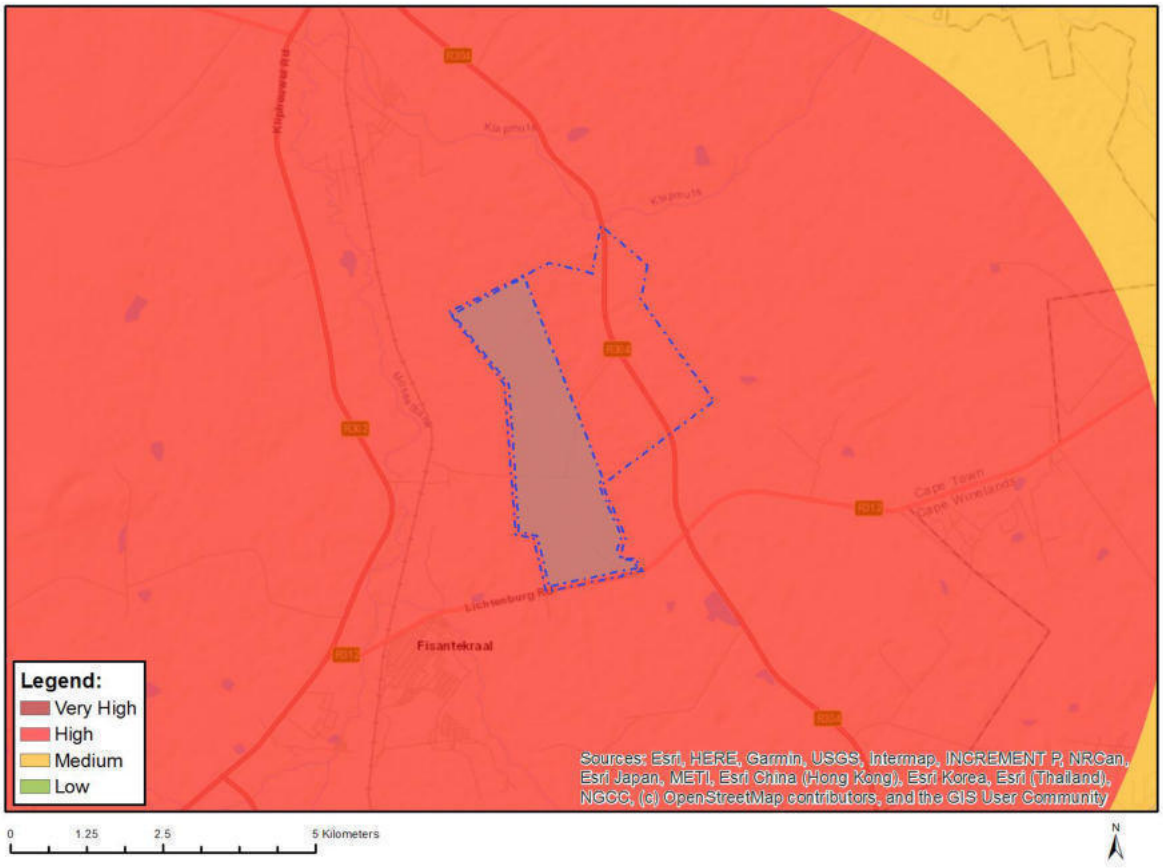


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

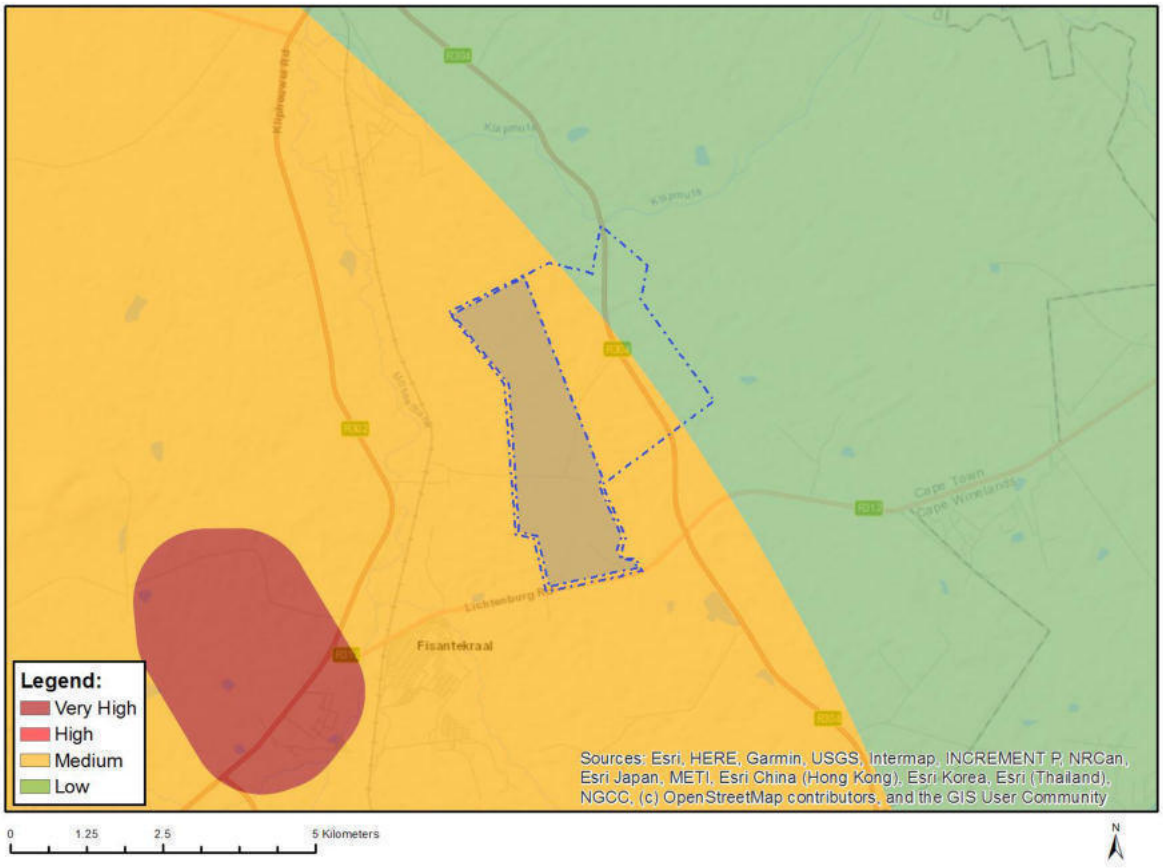


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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 DEFENCE THEME SENSITIVITY

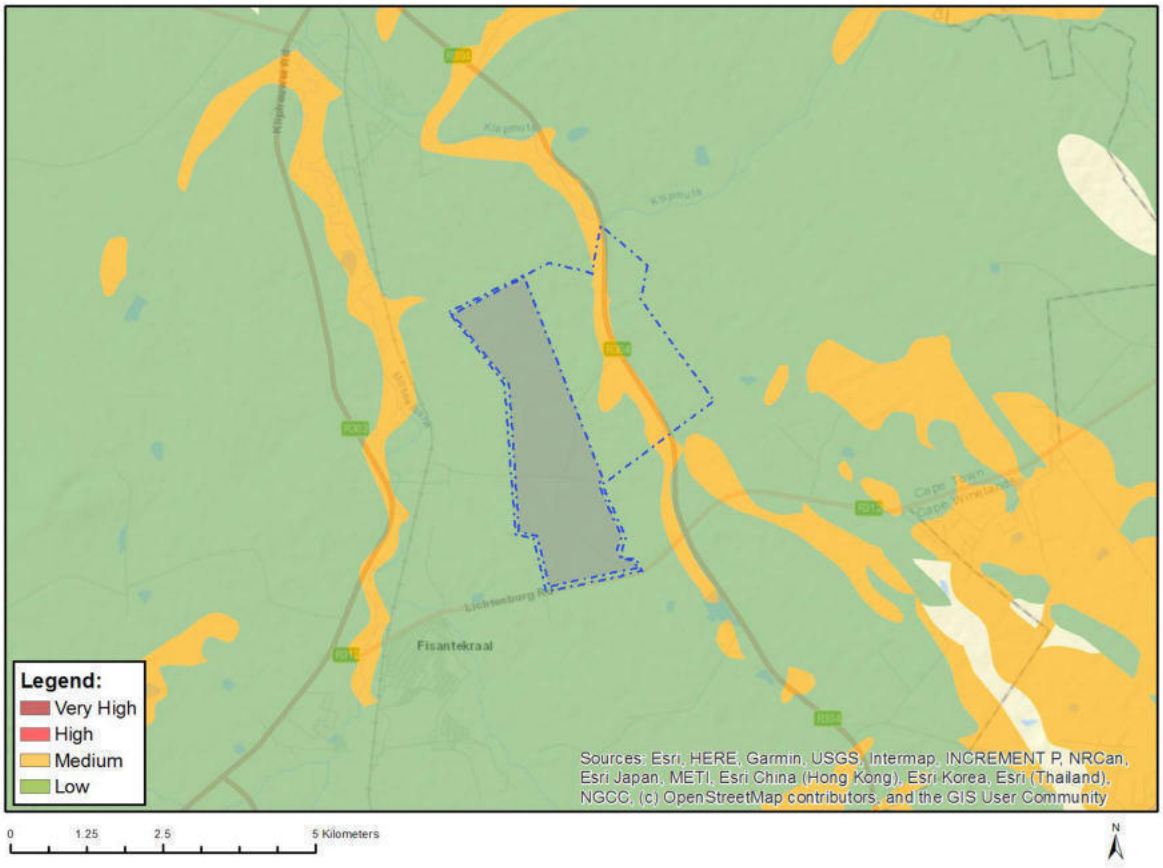


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Military and Defence Site

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

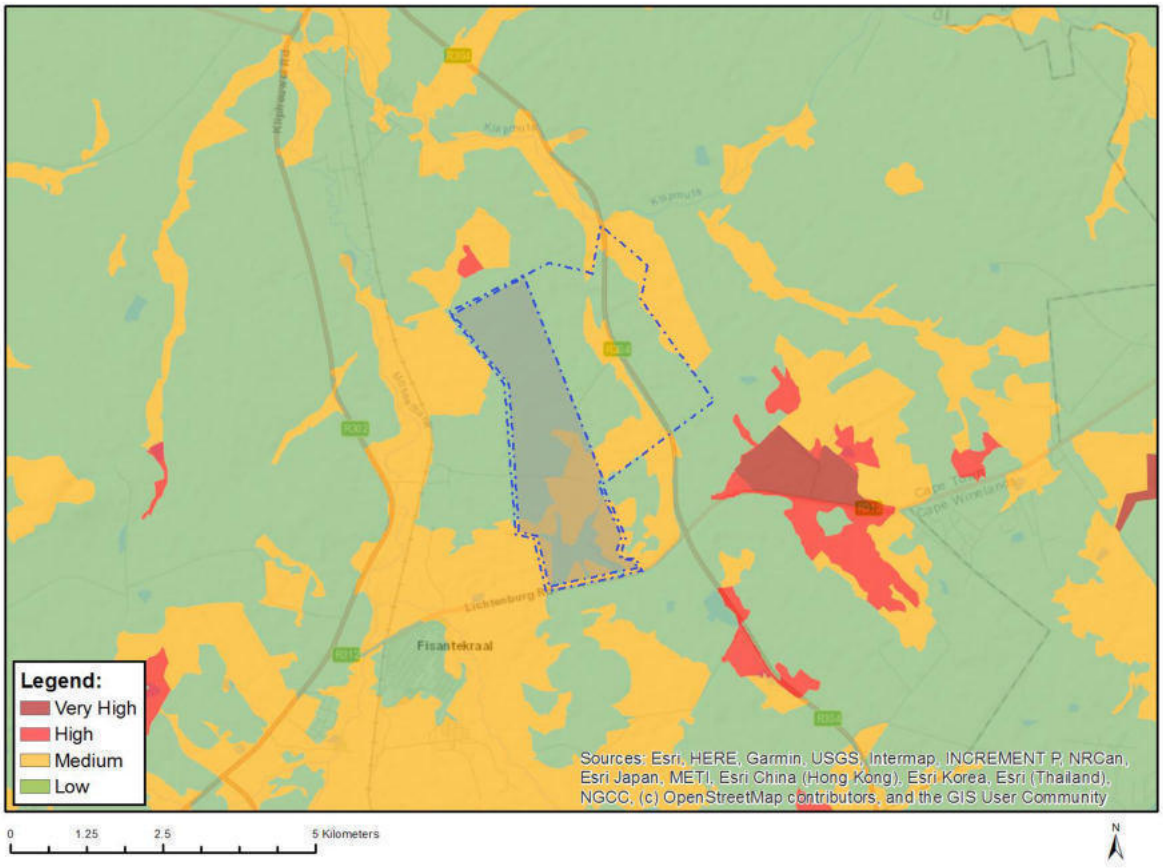


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Features with a Low 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
Medium	Lampranthus amoenus
Medium	Lampranthus aureus
Medium	Lampranthus dilutus
Medium	Lampranthus filicaulis
Medium	Lampranthus leptaleon
Medium	Lampranthus peacockiae
Medium	Lampranthus scaber
Medium	Lampranthus sociorum
Medium	Lampranthus spiniformis
Medium	Lampranthus stenopetalus
Medium	Lampranthus stenus
Medium	Lampranthus tenuifolius

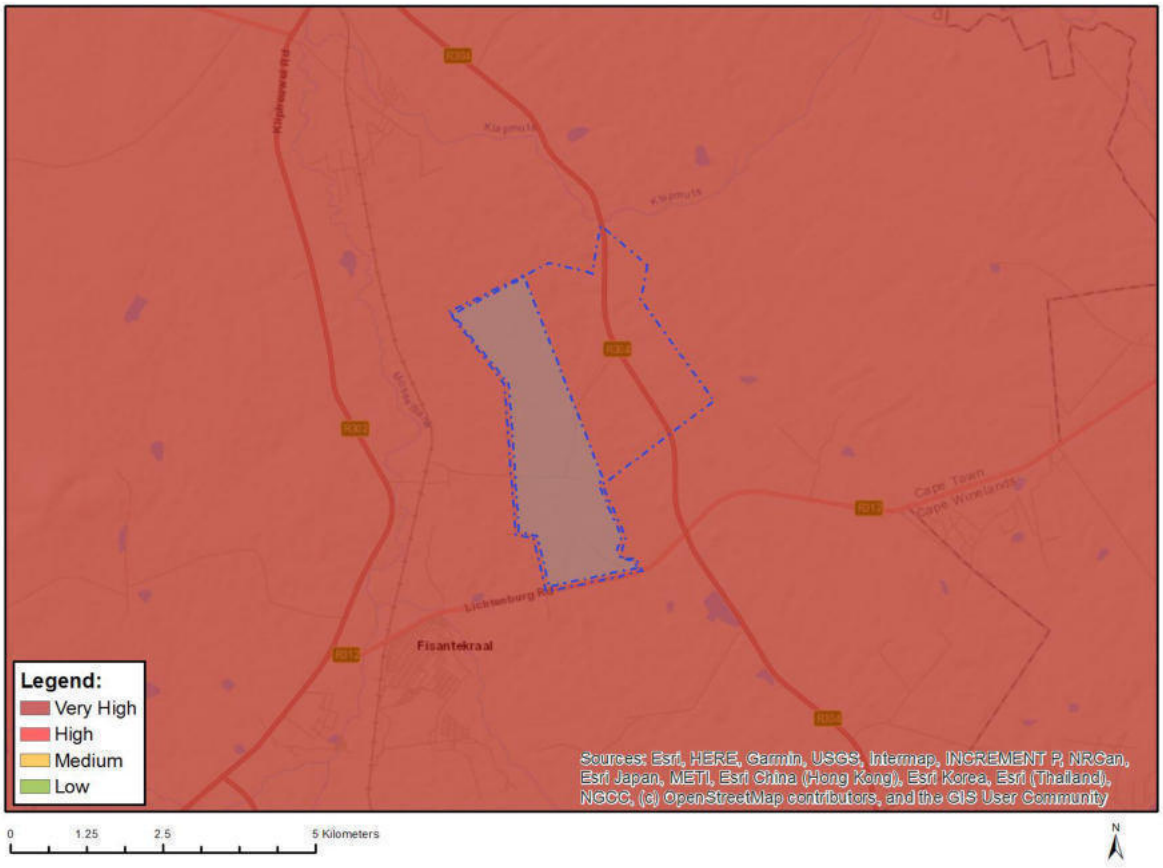
Medium	Antimima mucronata
Medium	Antimima aristulata
Medium	Erepsia patula
Medium	Erepsia ramosa
Medium	Ruschia diversifolia
Medium	Ruschia geminiflora
Medium	Ruschia schollii
Medium	Drosanthemum hispifolium
Medium	Cephalophyllum parviflorum
Medium	Amphithalea ericifolia subsp. erecta
Medium	Xiphotheca lanceolata
Medium	Indigofera psoraloides
Medium	Aspalathus acanthophylla
Medium	Aspalathus aculeata
Medium	Aspalathus araneosa
Medium	Aspalathus attenuata
Medium	Aspalathus lotoides subsp. lotoides
Medium	Aspalathus muraltioides
Medium	Aspalathus puberula
Medium	Aspalathus retroflexa subsp. bicolor
Medium	Aspalathus varians
Medium	Aspalathus wurmbeana
Medium	Aspalathus crewiana
Medium	Rafnia lancea
Medium	Rafnia angulata subsp. humilis
Medium	Rafnia angulata subsp. ericifolia
Medium	Lebeckia plukenetiana
Medium	Podalyria argentea
Medium	Podalyria microphylla
Medium	Podalyria sericea
Medium	Thesium ecklonianum
Medium	Leucadendron cinereum
Medium	Leucadendron corymbosum
Medium	Leucadendron lanigerum var. lanigerum
Medium	Leucadendron levisanus
Medium	Leucadendron linifolium
Medium	Leucadendron stellare
Medium	Leucadendron thymifolium
Medium	Leucadendron verticillatum
Medium	Leucospermum grandiflorum
Medium	Leucospermum hypophyllocarpodendron subsp. canaliculatum
Medium	Leucospermum hypophyllocarpodendron subsp. hypophyllocarpodendron
Medium	Protea burchellii
Medium	Diastella proteoides
Medium	Serruria aemula
Medium	Serruria brownii
Medium	Serruria incrassata
Medium	Serruria trilopha
Medium	Merciera tetraloba
Medium	Roella arenaria
Medium	Treichelia dodii
Medium	Microdon capitatus
Medium	Pentameris bachmannii
Medium	Pentameris pholiuroides
Medium	Anthospermum ericifolium
Medium	Lobostemon capitatus
Medium	Echiostachys incanus
Medium	Echiostachys spicatus
Medium	Aristea lugens
Medium	Tritoniopsis elongata

Medium	Hesperantha spicata subsp. spicata
Medium	Hesperantha sufflava
Medium	Sensitive species 14
Medium	Sensitive species 267
Medium	Sensitive species 631
Medium	Sensitive species 331
Medium	Sensitive species 533
Medium	Sensitive species 975
Medium	Sensitive species 1134
Medium	Sensitive species 878
Medium	Geissorhiza brehmii
Medium	Geissorhiza furva
Medium	Geissorhiza humilis
Medium	Geissorhiza monanthos
Medium	Geissorhiza purpurascens
Medium	Geissorhiza radians
Medium	Geissorhiza setacea
Medium	Geissorhiza erosa
Medium	Thereianthus bulbiferus
Medium	Ixia abbreviata
Medium	Ixia erubescens
Medium	Ixia rouxii
Medium	Ixia fuscocitrina
Medium	Sensitive species 881
Medium	Sensitive species 683
Medium	Sensitive species 560
Medium	Romulea eximia
Medium	Sensitive species 1253
Medium	Sensitive species 1
Medium	Sensitive species 830
Medium	Sensitive species 1140
Medium	Sensitive species 995
Medium	Sensitive species 298
Medium	Sensitive species 807
Medium	Sensitive species 863
Medium	Sensitive species 1266
Medium	Pauridia alba
Medium	Pauridia canaliculata
Medium	Pauridia pygmaea
Medium	Monopsis variifolia
Medium	Oxalis falcatula
Medium	Oxalis natans
Medium	Oxalis strigosa
Medium	Erica bolusiae var. bolusiae
Medium	Hermannia rugosa
Medium	Sensitive species 769
Medium	Sensitive species 222
Medium	Sebaea rara
Medium	Sensitive species 444
Medium	Sensitive species 1240
Medium	Sensitive species 493
Medium	Sensitive species 18
Medium	Sensitive species 259
Medium	Sensitive species 478
Medium	Sensitive species 756
Medium	Adenogramma rigida
Medium	Wachendorfia brachyandra
Medium	Hessea cinnamomea
Medium	Sensitive species 847
Medium	Isoetes capensis

Medium	Sensitive species 133
Medium	Isolepis inconspicua
Medium	Isolepis venustula
Medium	Trianoptiles solitaria
Medium	Cannomois arenicola
Medium	Elegia extensa
Medium	Elegia prominens
Medium	Hypodiscus rugosus
Medium	Restio duthieae
Medium	Restio micans
Medium	Restio impolitus
Medium	Restio papillosus
Medium	Restio pratensis
Medium	Anisodontea biflora
Medium	Cynanchum zeyheri
Medium	Sensitive species 985
Medium	Sensitive species 120
Medium	Sensitive species 266
Medium	Pterygodium cruciferum
Medium	Pterygodium inversum
Medium	Pterygodium microglossum
Medium	Gnidia spicata
Medium	Lachnaea uniflora
Medium	Metalasia capitata
Medium	Metalasia octoflora
Medium	Marasmodes dummeri
Medium	Steirodiscus tagetes
Medium	Senecio cadiscus
Medium	Cotula eckloniana
Medium	Athanasia capitata
Medium	Athanasia crenata
Medium	Athanasia rugulosa
Medium	Arctotis angustifolia
Medium	Sensitive species 1042
Medium	Arctotheca forbesiana
Medium	Diosma dichotoma
Medium	Agathosma corymbosa
Medium	Agathosma latipetala
Medium	Agathosma propinqua
Medium	Adenandra villosa subsp. biseriata
Medium	Macrostylis cassiopoides subsp. dregeana
Medium	Macrostylis villosa subsp. villosa
Medium	Cliffortia acockii
Medium	Cliffortia ericifolia
Medium	Cliffortia hirta
Medium	Cliffortia marginata
Medium	Muraltia brevicornu
Medium	Muraltia decipiens
Medium	Muraltia macropetala
Medium	Muraltia mitior
Medium	Sensitive species 1218
Medium	Sensitive species 262
Medium	Sensitive species 1135
Medium	Sensitive species 158
Medium	Sensitive species 1265
Medium	Sensitive species 723
Medium	Sensitive species 616
Medium	Wurmbea inusta
Medium	Phylica harveyi
Medium	Phylica plumosa var. squarrosa

Medium	Phylica stenopetala var. stenopetala
Medium	Phylica strigulosa
Medium	Phylica thunbergiana
Medium	Codonorhiza azurea
Medium	Skiatophytum skiatophytoides
Medium	Lampranthus debilis
Medium	Lampranthus glaucus
Medium	Drosanthemum striatum
Medium	Argyrolobium velutinum
Medium	Xiphotheca reflexa
Medium	Psoralea alata
Medium	Aspalathus lebeckioides
Medium	Aspalathus recurva
Medium	Aspalathus tylodes
Medium	Aponogeton fugax
Medium	Leucospermum rodolentum
Medium	Protea scolymocephala
Medium	Sensitive species 593
Medium	Sensitive species 335
Medium	Sensitive species 599
Medium	Elegia squamosa
Medium	Elegia verreauxii
Medium	Restio paludosus
Medium	Restio rigoratus
Medium	Sensitive species 500
Medium	Sensitive species 654
Medium	Lachnaea capitata
Medium	Lachnaea grandiflora
Medium	Cotula pusilla
Medium	Perdicium capense
Medium	Sensitive species 1225

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA 2: Terrestrial (see CT data)
Very High	CBA 1: Terrestrial (see CT data)
Very High	CR_Cape Flats Sand Fynbos
Very High	EN_Swartland Granite Renosterveld
Very High	CR_Swartland Shale Renosterveld

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

EIA Reference number: DEA&DP Pre-app:16/3/3/6/7/2/A5/20/2209/23

Project name: Proposed Expansion of CWA

Project title: Proposed Expansion of CWA

Date screening report generated: 09/04/2024 16:20:22

Applicant: Capewinelands Aero (Pty) Ltd

Compiler: PHS Consulting

Compiler signature:

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Application Category: Infrastructure|Transport Services|Airport_Runways_Landing Strip_Helipad|Commercial

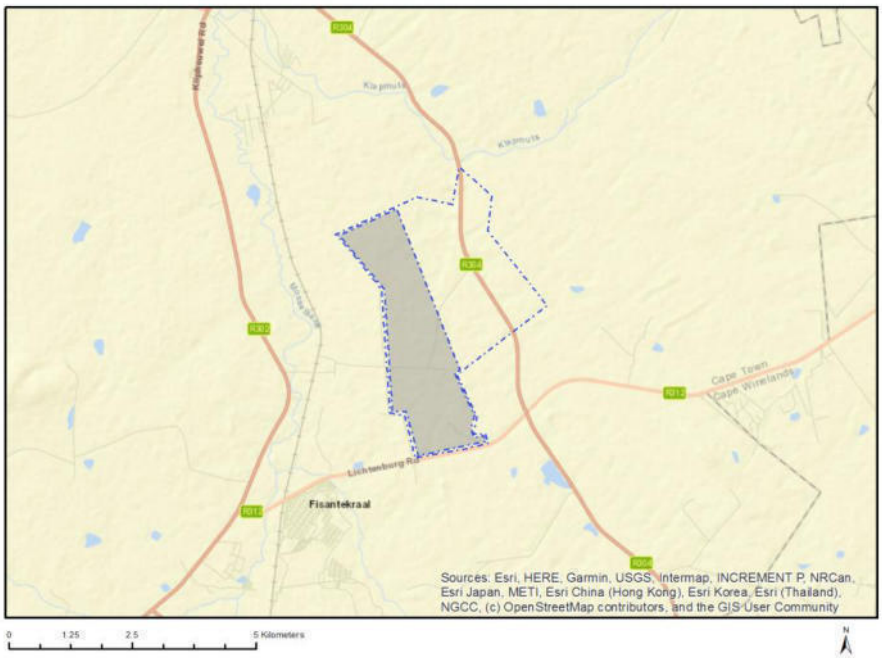
Table of Contents

Proposed Project Location

Orientation map 1: General location

General Orientation: Proposed Expansion of CWA

Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

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3	JOOSTENBERGKLOOF	1294	0	33°45'55.85S	18°45'5.43E	Farm
4	KLIPRUG	942	0	33°43'51.86S	18°43'51.42E	Farm
5	JOOSTENBERG VLAKTE	724	0	33°47'12.62S	18°43'58.99E	Farm
6	JOOSTENBERG VLAKTE	724	0	33°47'12.62S	18°43'58.99E	Farm Portion
7	JOOSTENBERGS KLOOF	474	4	33°46'7.73S	18°44'41.41E	Farm Portion
8		1263	0	33°43'41.48S	18°44'23.55E	Farm Portion
9	KLIPRUG	942	16	33°44'8.63S	18°44'36.26E	Farm Portion
10	JOOSTENBERGKLOOF	1294	0	33°45'55.85S	18°45'5.43E	Farm Portion
11	KLIPRUG	942	7	33°44'30.38S	18°44'10.4E	Farm Portion
12	JOOSTENBERG VLAKTE	724	10	33°46'13.22S	18°44'19.43E	Farm Portion
13	JOOSTENBERG VLAKTE	724	23	33°45'26.55S	18°43'56.04E	Farm Portion
14	JOOSTENBERGS KLOOF	474	0	33°45'9.71S	18°44'41.41E	Farm Portion
15	JOOSTENBERG VLAKTE	724	0	33°45'49.53S	18°44'0.5E	Farm Portion
16	KLIPRUG	942	7	33°44'28.77S	18°44'10.4E	Farm Portion
17	JOOSTENBERGS KLOOF	474	3	33°45'39.94S	18°44'51.04E	Farm Portion

Development footprint[1] vertices:

Footprint	Latitude	Longitude
1	33°44'32.47S	18°43'18.62E
1	33°44'17.81S	18°43'57.1E
1	33°45'45.68S	18°44'38.81E
1	33°45'48S	18°44'35.1E
1	33°46'10.34S	18°44'48.08E
1	33°46'16.51S	18°44'46.23E
1	33°46'21.12S	18°44'47.15E
1	33°46'22.67S	18°44'48.08E
1	33°46'21.9S	18°44'53.64E
1	33°46'24.98S	18°44'55.96E
1	33°46'32.68S	18°44'11E
1	33°46'8.8S	18°44'3.12E
1	33°46'8.8S	18°43'54.32E
1	33°45'1.76S	18°43'48.75E
1	33°44'33.23S	18°43'20.02E
1	33°44'32.47S	18°43'18.62E

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	12/12/20/2109/AM1	Solar PV	Approved	21.3
2	12/12/20/2109	Solar PV	Approved	21.3
3	12/12/20/2109/AM2	Solar PV	Approved	21.3
4	12/12/20/2109/AM3	Solar PV	Approved	21.3

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|Transport Services|Airport_Runways_Landing Strip_Helipad|Commercial.

[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.

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	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Strategic Gas Pipeline Corridors-Phase 1a & 1b: Saldanha to Ankerlig and Saldanha to Mossel Bay	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf

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		
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 footprint situation.

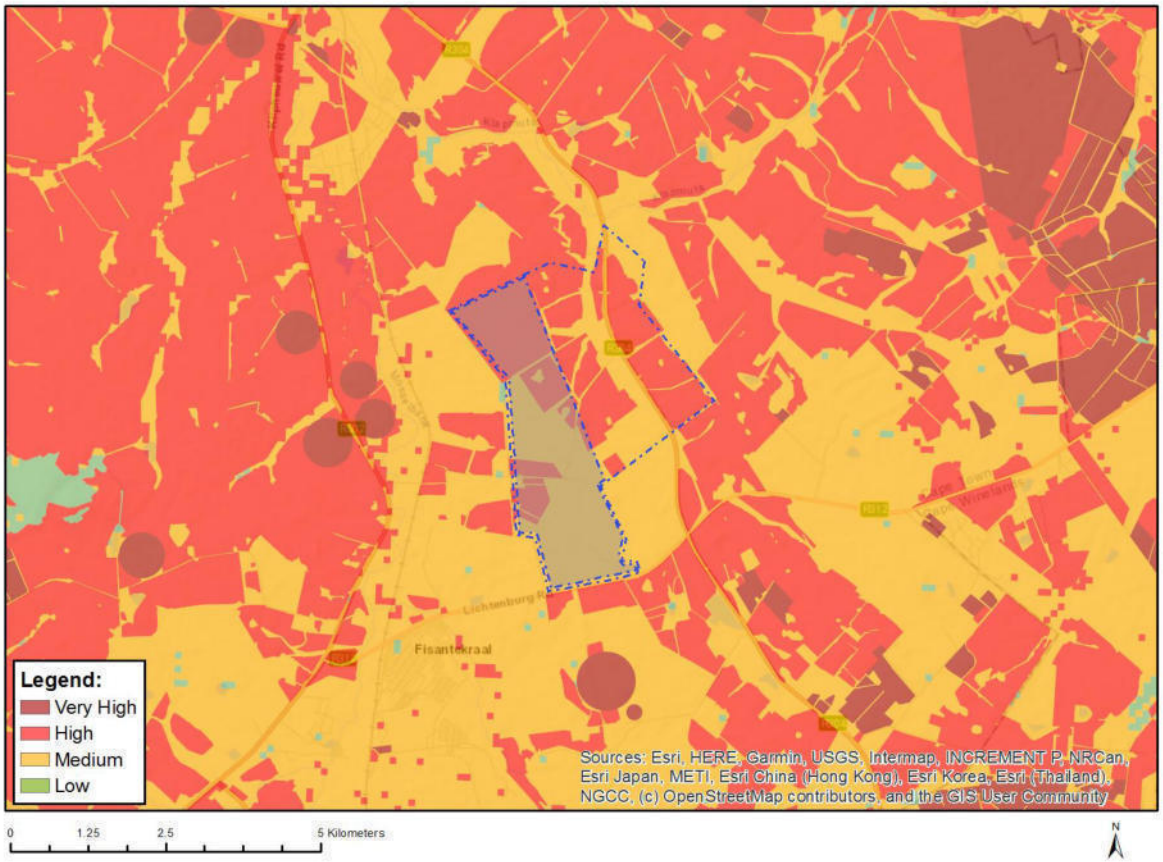
No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requir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

		ssmentProtocols/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	Avian Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Avifauna_Assessment_Protocols.pdf
7	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
8	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Defence_Installations_Assessment_Protocols.pdf
9	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
14	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 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

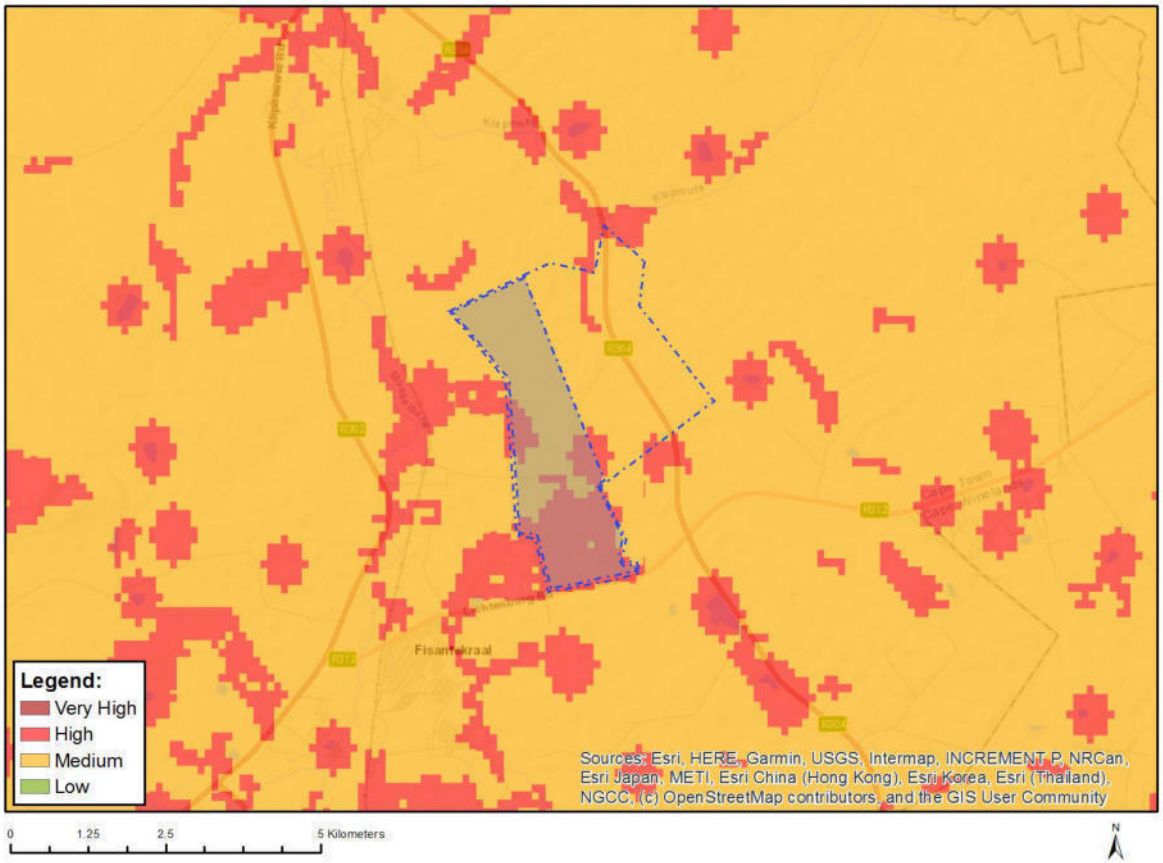


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
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



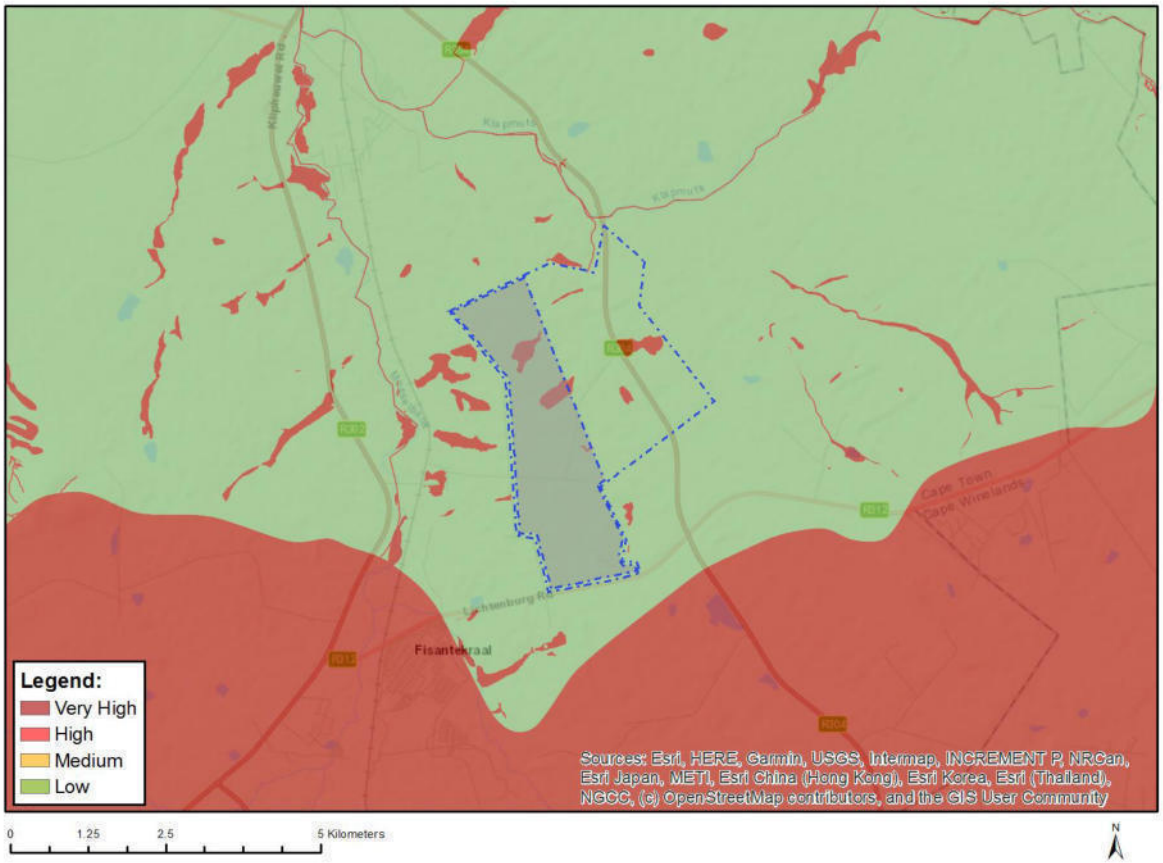
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
High	Aves-Circus maurus
High	Aves-Pelecanus onocrotalus
High	Aves-Sagittarius serpentarius
Medium	Aves-Circus ranivorus
Medium	Aves-Hydroprogne caspia
Medium	Aves-Afrotis afra
Medium	Invertebrate-Pachysoma aesculapius
Medium	Invertebrate-Conocephalus peringueyi
Medium	Invertebrate-Aneuryphymus montanus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

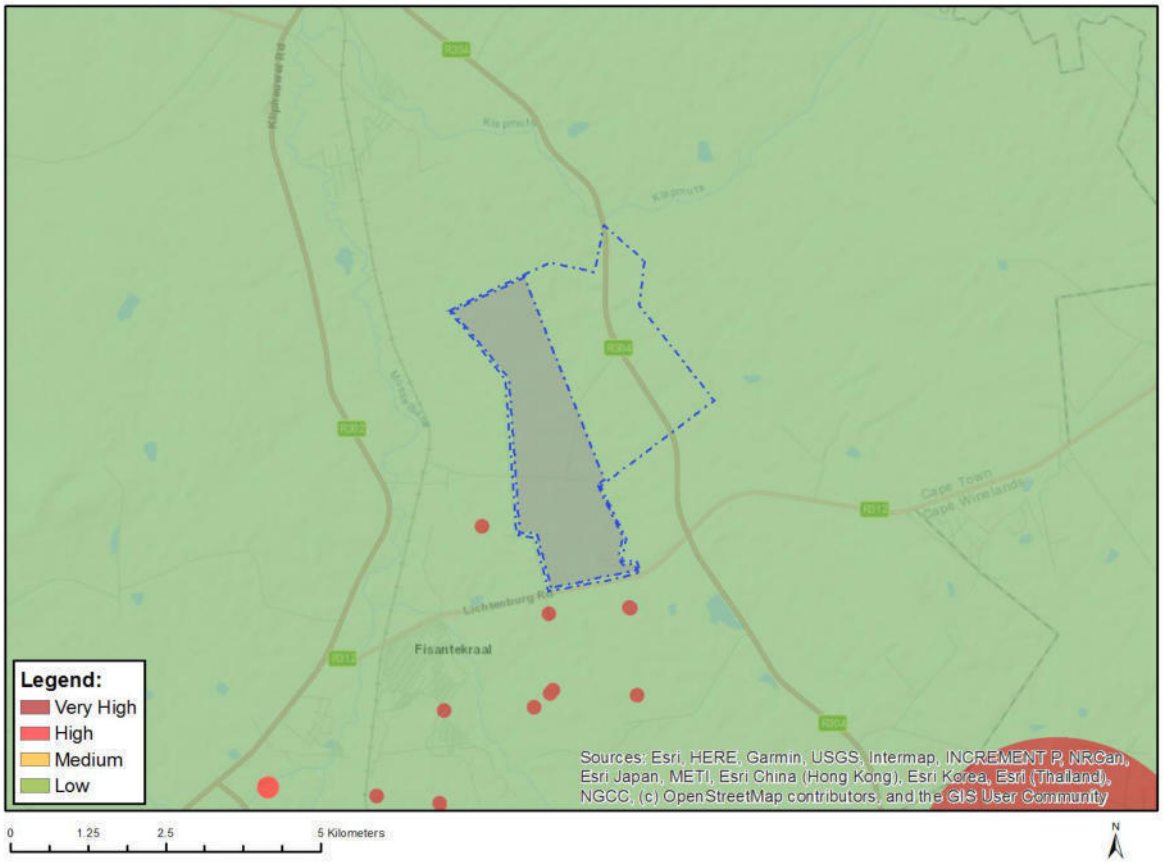


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Wetlands_West Coast Renosterveld Bioregion (Seep)

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

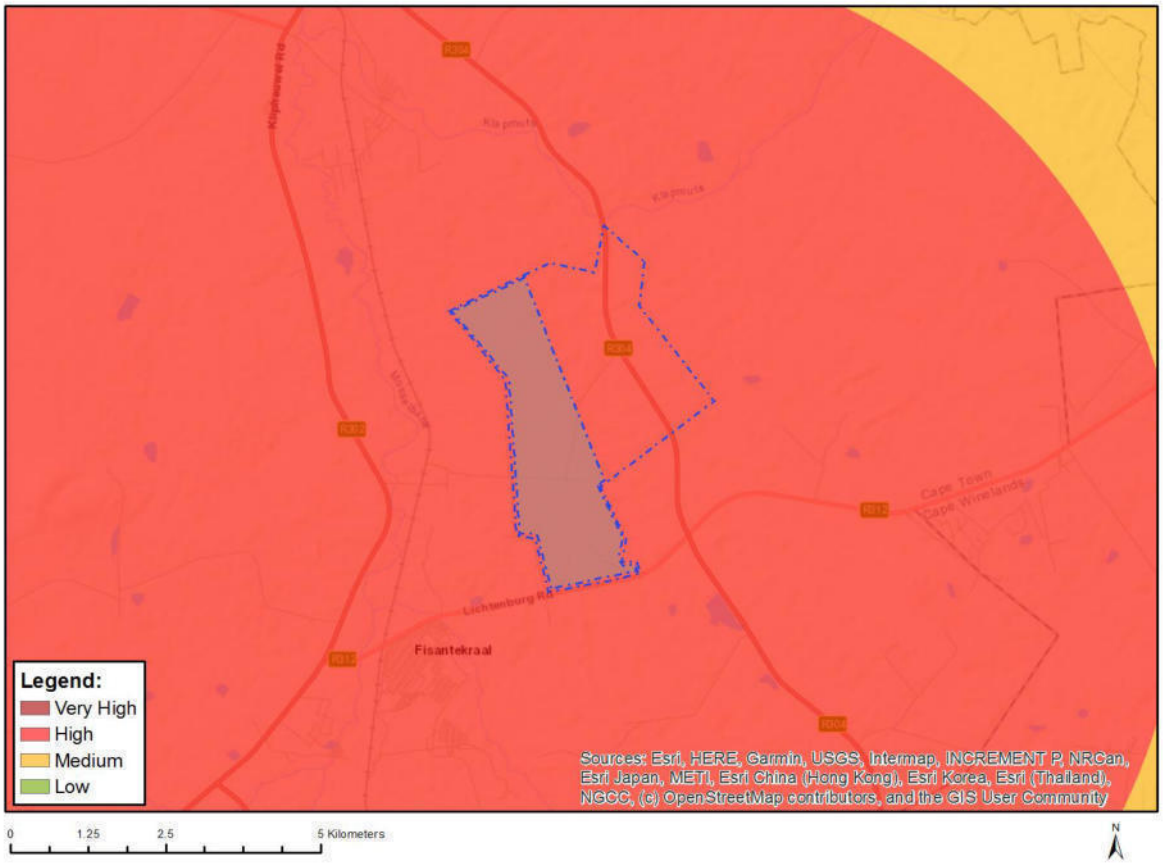


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

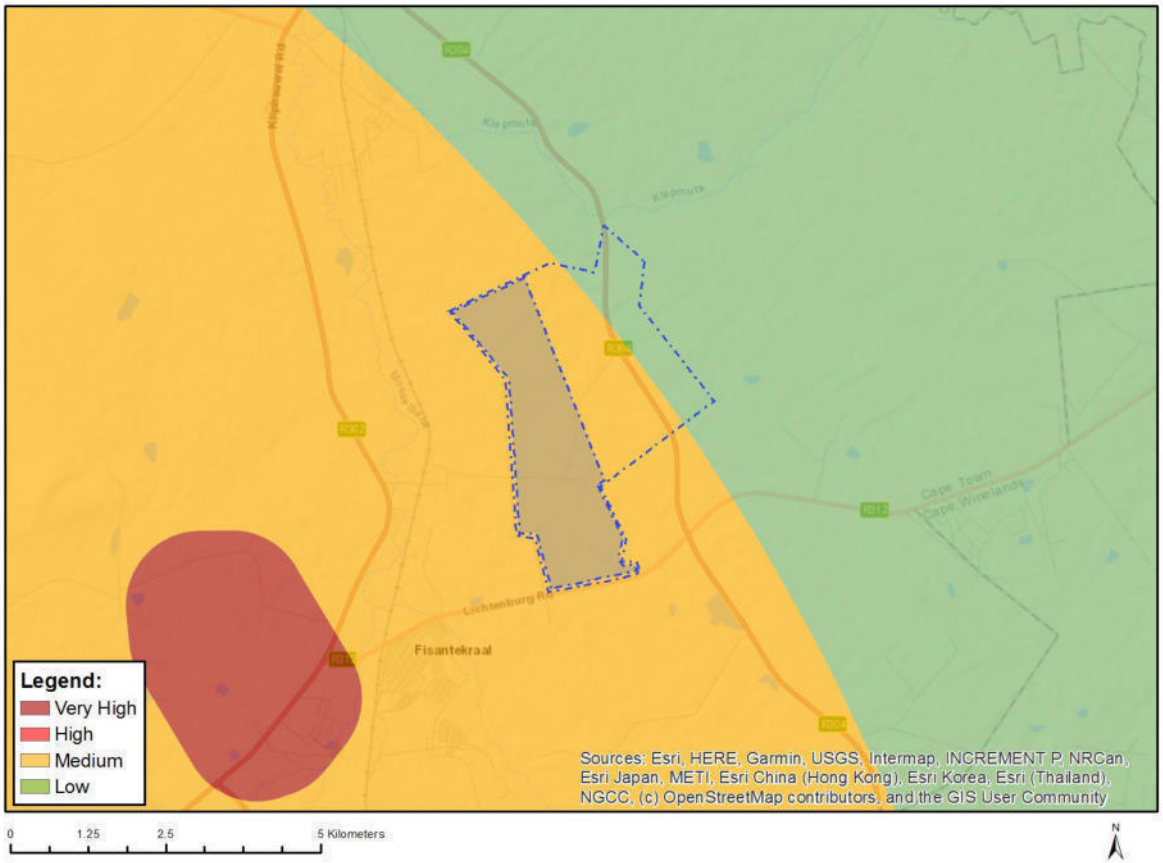


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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 DEFENCE THEME SENSITIVITY

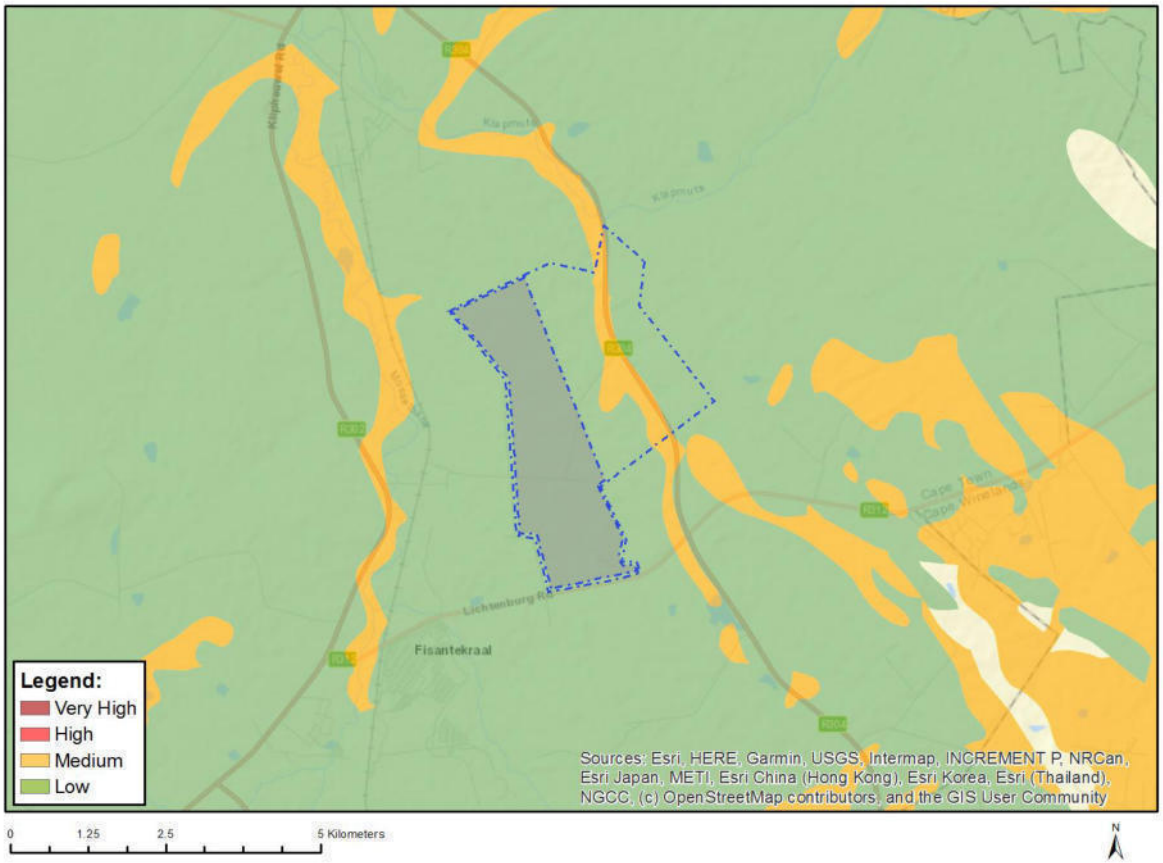


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Military and Defence Site

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

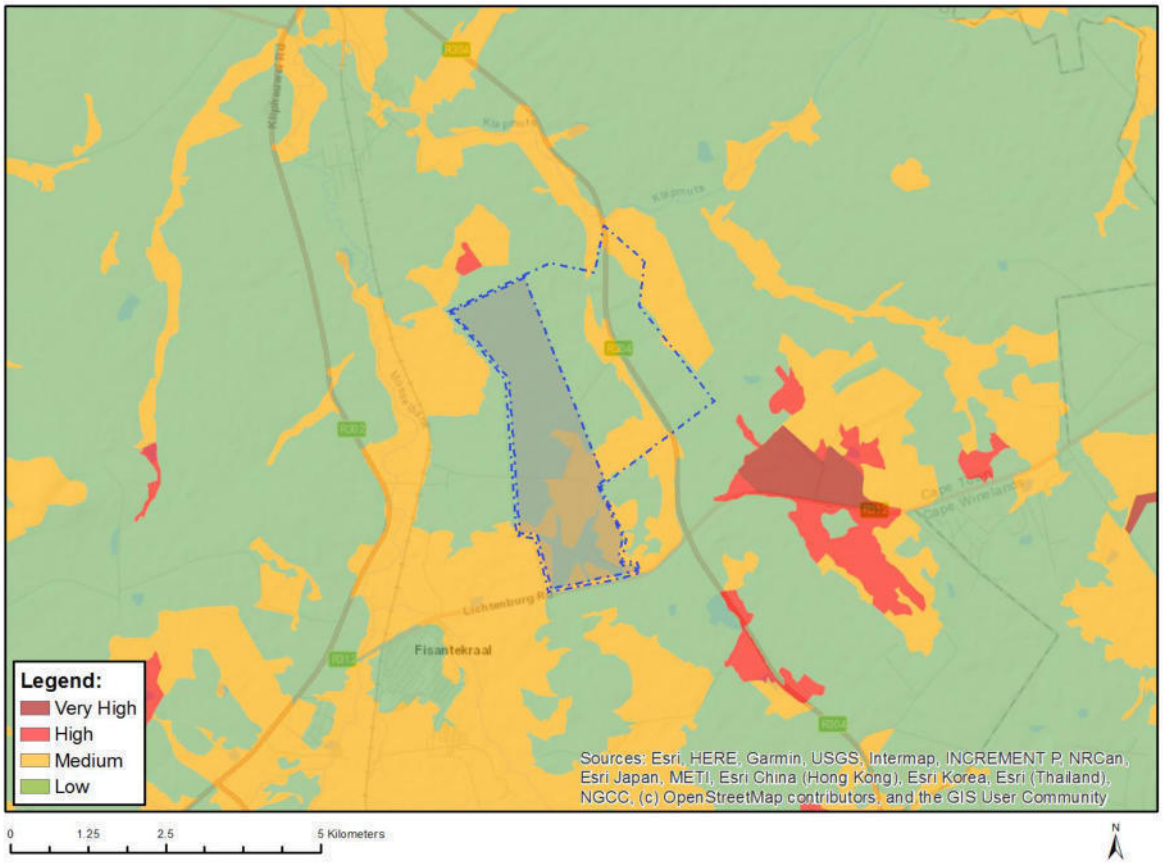


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Features with a Low 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
Medium	Lampranthus amoenus
Medium	Lampranthus aureus
Medium	Lampranthus dilutus
Medium	Lampranthus filicaulis
Medium	Lampranthus leptaleon
Medium	Lampranthus peacockiae
Medium	Lampranthus scaber
Medium	Lampranthus sociorum
Medium	Lampranthus spiniformis
Medium	Lampranthus stenopetalus
Medium	Lampranthus stenus
Medium	Lampranthus tenuifolius

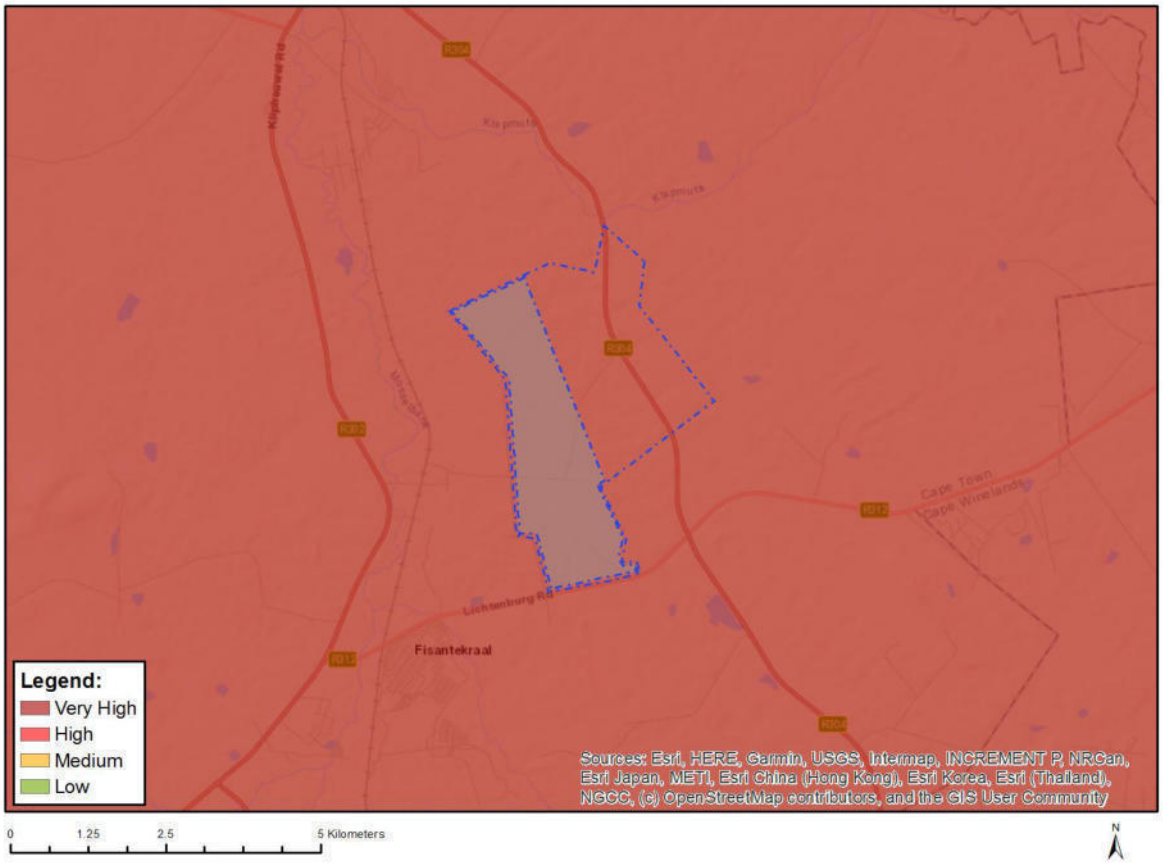
Medium	Antimima mucronata
Medium	Antimima aristulata
Medium	Erepsia patula
Medium	Erepsia ramosa
Medium	Ruschia diversifolia
Medium	Ruschia geminiflora
Medium	Ruschia schollii
Medium	Drosanthemum hispifolium
Medium	Cephalophyllum parviflorum
Medium	Amphithalea ericifolia subsp. erecta
Medium	Xiphotheca lanceolata
Medium	Indigofera psoraloides
Medium	Aspalathus acanthophylla
Medium	Aspalathus aculeata
Medium	Aspalathus araneosa
Medium	Aspalathus attenuata
Medium	Aspalathus lotoides subsp. lotoides
Medium	Aspalathus muraltioides
Medium	Aspalathus puberula
Medium	Aspalathus retroflexa subsp. bicolor
Medium	Aspalathus varians
Medium	Aspalathus wurmbeana
Medium	Aspalathus crewiana
Medium	Rafnia lancea
Medium	Rafnia angulata subsp. humilis
Medium	Rafnia angulata subsp. ericifolia
Medium	Lebeckia plukenetiana
Medium	Podalyria argentea
Medium	Podalyria microphylla
Medium	Podalyria sericea
Medium	Thesium ecklonianum
Medium	Leucadendron cinereum
Medium	Leucadendron corymbosum
Medium	Leucadendron lanigerum var. lanigerum
Medium	Leucadendron levisanus
Medium	Leucadendron linifolium
Medium	Leucadendron stellare
Medium	Leucadendron thymifolium
Medium	Leucadendron verticillatum
Medium	Leucospermum grandiflorum
Medium	Leucospermum hypophyllocarpodendron subsp. canaliculatum
Medium	Leucospermum hypophyllocarpodendron subsp. hypophyllocarpodendron
Medium	Protea burchellii
Medium	Diastella proteoides
Medium	Serruria aemula
Medium	Serruria brownii
Medium	Serruria incrassata
Medium	Serruria trilopha
Medium	Merciera tetraloba
Medium	Roella arenaria
Medium	Treichelia dodii
Medium	Microdon capitatus
Medium	Pentameris bachmannii
Medium	Pentameris pholiuroides
Medium	Anthospermum ericifolium
Medium	Lobostemon capitatus
Medium	Echiostachys incanus
Medium	Echiostachys spicatus
Medium	Aristea lugens
Medium	Tritoniopsis elongata

Medium	Hesperantha spicata subsp. spicata
Medium	Hesperantha sufflava
Medium	Sensitive species 14
Medium	Sensitive species 267
Medium	Sensitive species 631
Medium	Sensitive species 331
Medium	Sensitive species 533
Medium	Sensitive species 975
Medium	Sensitive species 1134
Medium	Sensitive species 878
Medium	Geissorhiza brehmii
Medium	Geissorhiza furva
Medium	Geissorhiza humilis
Medium	Geissorhiza monanthos
Medium	Geissorhiza purpurascens
Medium	Geissorhiza radians
Medium	Geissorhiza setacea
Medium	Geissorhiza erosa
Medium	Thereianthus bulbiferus
Medium	Ixia abbreviata
Medium	Ixia erubescens
Medium	Ixia rouxii
Medium	Ixia fuscocitrina
Medium	Sensitive species 881
Medium	Sensitive species 683
Medium	Sensitive species 560
Medium	Romulea eximia
Medium	Sensitive species 1253
Medium	Sensitive species 1
Medium	Sensitive species 830
Medium	Sensitive species 1140
Medium	Sensitive species 995
Medium	Sensitive species 298
Medium	Sensitive species 807
Medium	Sensitive species 863
Medium	Sensitive species 1266
Medium	Pauridia alba
Medium	Pauridia canaliculata
Medium	Pauridia pygmaea
Medium	Monopsis variifolia
Medium	Oxalis falcatula
Medium	Oxalis natans
Medium	Oxalis strigosa
Medium	Erica bolusiae var. bolusiae
Medium	Hermannia rugosa
Medium	Sensitive species 769
Medium	Sensitive species 222
Medium	Sebaea rara
Medium	Sensitive species 444
Medium	Sensitive species 1240
Medium	Sensitive species 493
Medium	Sensitive species 18
Medium	Sensitive species 259
Medium	Sensitive species 478
Medium	Sensitive species 756
Medium	Adenogramma rigida
Medium	Wachendorfia brachyandra
Medium	Hessea cinnamomea
Medium	Sensitive species 847
Medium	Isoetes capensis

Medium	Sensitive species 133
Medium	Isolepis inconspicua
Medium	Isolepis venustula
Medium	Trianoptiles solitaria
Medium	Cannomois arenicola
Medium	Elegia extensa
Medium	Elegia prominens
Medium	Hypodiscus rugosus
Medium	Restio duthieae
Medium	Restio micans
Medium	Restio impolitus
Medium	Restio papillosus
Medium	Restio pratensis
Medium	Anisodontea biflora
Medium	Cynanchum zeyheri
Medium	Sensitive species 985
Medium	Sensitive species 120
Medium	Sensitive species 266
Medium	Pterygodium cruciferum
Medium	Pterygodium inversum
Medium	Pterygodium microglossum
Medium	Gnidia spicata
Medium	Lachnaea uniflora
Medium	Metalasia capitata
Medium	Metalasia octoflora
Medium	Marasmodes dummeri
Medium	Steirodiscus tagetes
Medium	Senecio cadiscus
Medium	Cotula eckloniana
Medium	Athanasia capitata
Medium	Athanasia crenata
Medium	Athanasia rugulosa
Medium	Arctotis angustifolia
Medium	Sensitive species 1042
Medium	Arctotheca forbesiana
Medium	Diosma dichotoma
Medium	Agathosma corymbosa
Medium	Agathosma latipetala
Medium	Agathosma propinqua
Medium	Adenandra villosa subsp. biseriata
Medium	Macrostylis cassiopoides subsp. dregeana
Medium	Macrostylis villosa subsp. villosa
Medium	Cliffortia acockii
Medium	Cliffortia ericifolia
Medium	Cliffortia hirta
Medium	Cliffortia marginata
Medium	Muraltia brevicornu
Medium	Muraltia decipiens
Medium	Muraltia macropetala
Medium	Muraltia mitior
Medium	Sensitive species 1218
Medium	Sensitive species 262
Medium	Sensitive species 1135
Medium	Sensitive species 158
Medium	Sensitive species 1265
Medium	Sensitive species 723
Medium	Sensitive species 616
Medium	Wurmbea inusta
Medium	Phylica harveyi
Medium	Phylica plumosa var. squarrosa

Medium	Phylica stenopetala var. stenopetala
Medium	Phylica strigulosa
Medium	Phylica thunbergiana
Medium	Codonorhiza azurea
Medium	Skiatophytum skiatophytoides
Medium	Lampranthus debilis
Medium	Lampranthus glaucus
Medium	Drosanthemum striatum
Medium	Argyrolobium velutinum
Medium	Xiphotheca reflexa
Medium	Psoralea alata
Medium	Aspalathus lebeckioides
Medium	Aspalathus recurva
Medium	Aspalathus tylodes
Medium	Aponogeton fugax
Medium	Leucospermum rodolentum
Medium	Protea scolymocephala
Medium	Sensitive species 593
Medium	Sensitive species 335
Medium	Sensitive species 599
Medium	Elegia squamosa
Medium	Elegia verreauxii
Medium	Restio paludosus
Medium	Restio rigoratus
Medium	Sensitive species 500
Medium	Sensitive species 654
Medium	Lachnaea capitata
Medium	Lachnaea grandiflora
Medium	Cotula pusilla
Medium	Perdicium capense
Medium	Sensitive species 1225

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA 2: Terrestrial (see CT data)
Very High	CBA 1: Terrestrial (see CT data)
Very High	CR_Cape Flats Sand Fynbos
Very High	EN_Swartland Granite Renosterveld
Very High	CR_Swartland Shale Renosterveld

13 October 2023

Updated 15 July 2024

SITE SENSITIVITY VERIFICATION:
CAPE WINELANDS AIRPORT EXPANSION PROJECT, FISANTEKRAAL

PART A: DISCUSSION OF SCREENING REPORT:

The original screening tool report (31 May 2023) was based on the placement of all seven the affected farm boundaries as the site footprint, and the placement of the development footprint within this site footprint. The Infrastructure/Transport Services/Airport/Runways/Landing Strip/Helipad – Commercial sector classification was chosen. The screening tool report was rerun (9 April 2024) with the same affected footprint. No changes were noted between the two screening tool reports, but both reports are included as proof.

The affected farms include:

1) Portion 3 of Farm 474,
2) Portion 10 of Farm 724,
3) RE of Farm 724,
4) Portion 23 of Farm 724,
5) Portion 7 of Farm 942,
6) RE of Farm 474,
7) Portion 4 of Farm 474.

Figure 1: The site footprint forming the basis of the Screening Tool Report

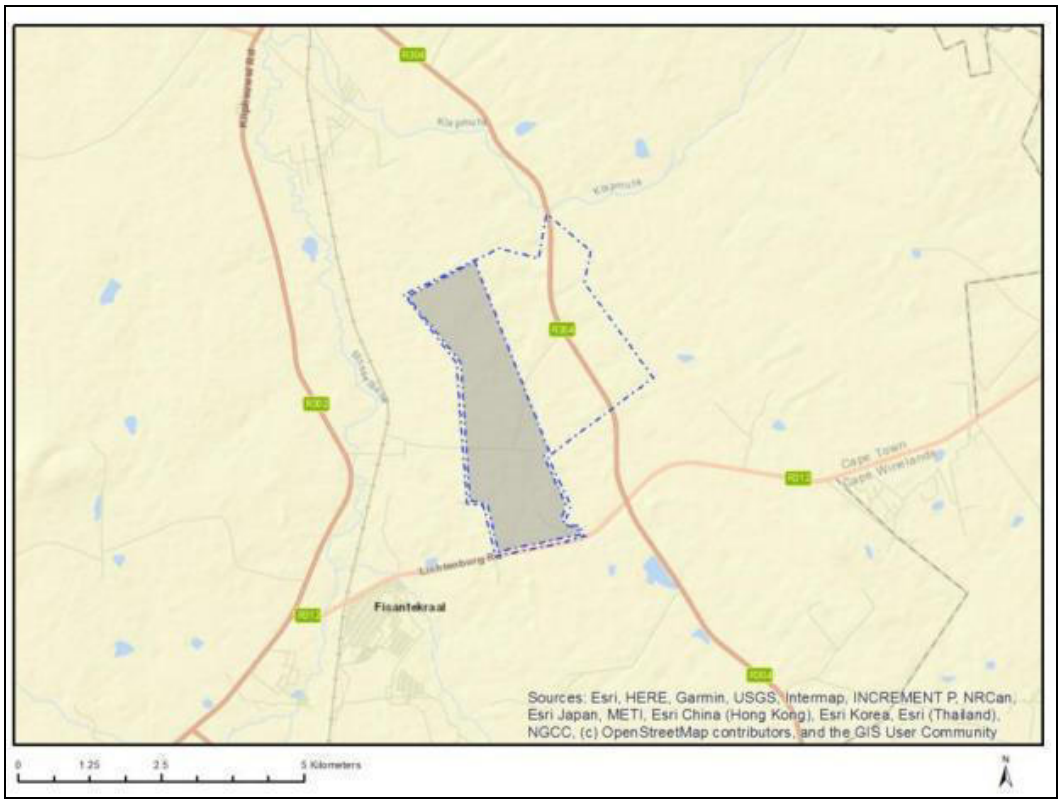


Figure 2: Site footprint (blue outline) and development footprint (grey shading)

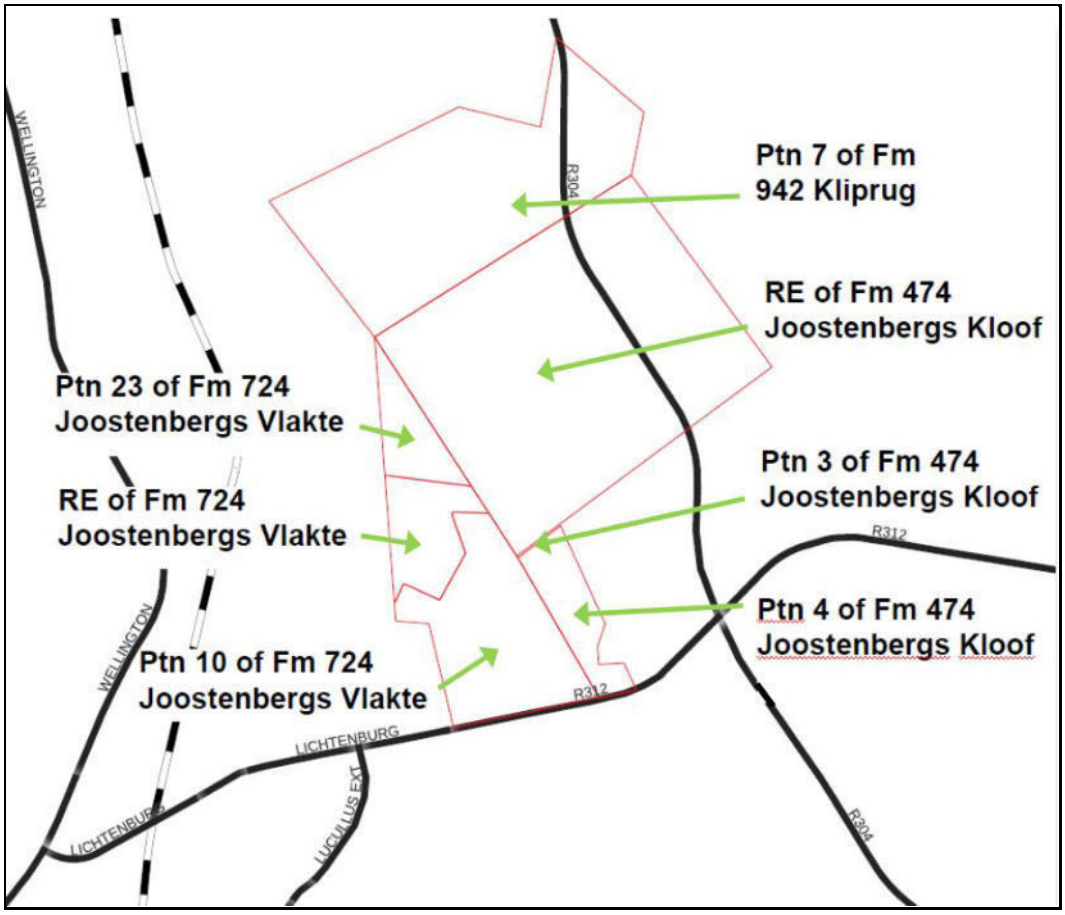


Figure 3: The cadastral entities comprising the site footprint

According to the screening tool report there is an approved solar PV development approximately 21km from the site, but no intersections with EMF areas were found.

The following development incentives, restrictions, exclusions or prohibitions apply to the site:

a) Strategic Transmission Corridor-Central corridor

The Strategic Environmental Assessment for Electricity Grid Infrastructure (EGI) identified 5 Strategic Transmission Corridors of strategic importance for the rollout of the supporting large scale electricity transmission and distribution infrastructure. These corridors support areas where long term electricity grid infrastructure will be developed.

The site footprint lies within the Central corridor of the Strategic Transmission Corridor (refer Figure 4).

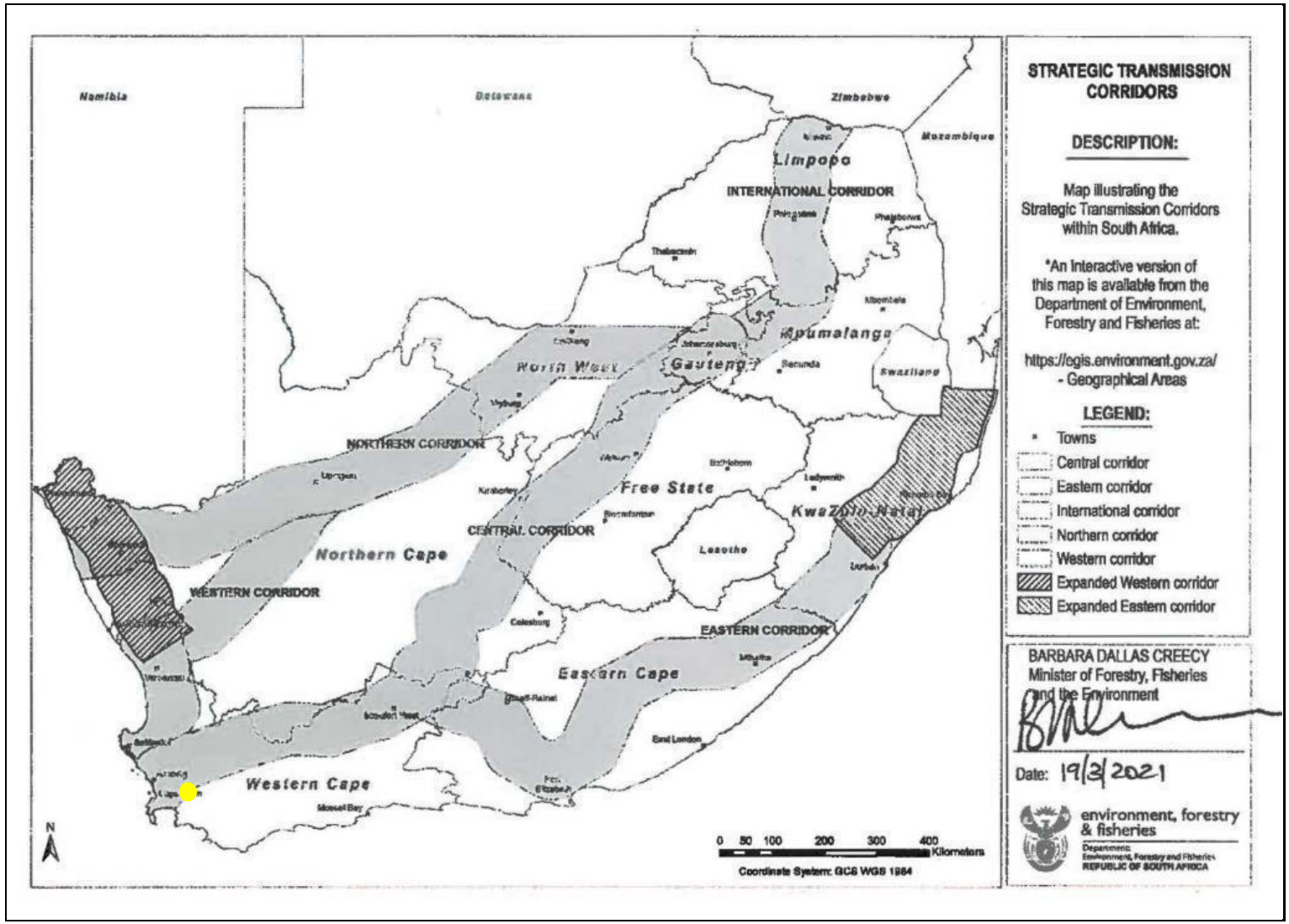


Figure 4: Strategic Transmission Corridors – site indicated as yellow dot within Central Corridor (GG 44504 dated 29 April 2021)

b) Strategic Gas Pipeline Corridors-Phase 1a & 1b: Saldanha to Ankerlig and Saldanha to Mossel Bay – the site footprint lies within the identified pipeline corridor (refer Figure 5).

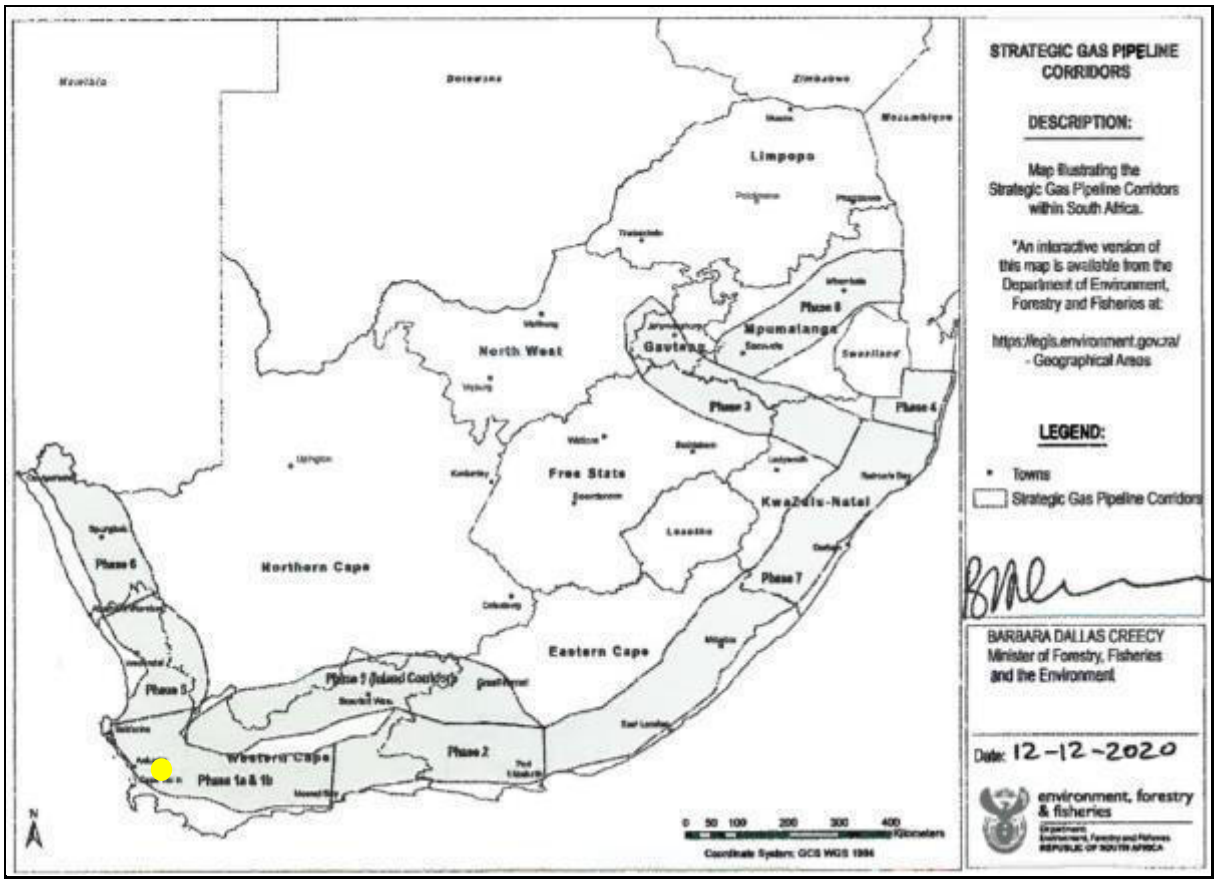


Figure 5: Map of Strategic gas pipeline corridors as per GG 44191 dated 26 February 2021 (site indicated by yellow dot)

The identification of possible gas pipeline corridors is linked to Offshore Oil and Gas Exploration and the need to develop a Phased Gas Pipeline Network. Operation Phakisa and the Department of Trade and Industry (DTI) argue that the development of gas could support South Africa's industrialisation because of competitively priced energy and a stable energy supply. As indicated in Figure 5, the site lies within the 100km wide Phase 1a and 1b (Saldanha to Ankerlig and Mossel Bay) gas pipeline corridor.

According to the SEA (dated December 2019) negative mapping was developed as part of the strategic gas pipeline project to identify key **environmental sensitivities** and **engineering constraints** in terms of gas transmission pipeline infrastructure development.

Environmental sensitivities were regarded as environmentally sensitive features that may be negatively impacted by the gas pipeline development.
Engineering constraints are environmental features that are likely to impact upon the development of the physical gas pipeline infrastructure. These are features that developers preferably avoid when planning a gas pipeline development due to the increased cost of constructing and or maintaining the infrastructure in these areas.
The output of the Environmental Constraints mapping indicates areas to be avoided (Very High sensitivity), areas which are sensitive for various reasons (High-Medium sensitivity), and areas which demonstrate no or low sensitivity (Low sensitivity). **Figure 6 illustrates that the site lies within very high to high environmental constraints sensitivity rating for gas pipeline development**.

Engineering constraints in the context of the SEA refers to technical challenges posed by the landscape and surrounding environment on the construction and operation of gas pipeline infrastructure. The mapping exercise was undertaken for the entire country and based on the best available data at a national scale. The identification of features and delineation of constraint level (sensitivity) for each engineering feature was done in consultation with engineering representatives from iGas and Transnet, as well as Eskom. Typical engineering related features include steep slopes, commercial forestry areas, coastal areas and deep river gorges. Engineering constraints also include proximity to other linear infrastructure such as high voltage power lines and railway lines that present corrosion problems for the pipelines if they run parallel to this infrastructure for extended distances.
Figure 7 illustrates that the site lies within very high to high engineering constraints sensitivity rating.

Based on Figures 6 and 7 and the discussion above, it is unlikely that the site would be chosen for future gas pipeline construction because of the very high to high environmental constraints sensitivity rating and the very high to high engineering constraints sensitivity rating. Therefore, future gas pipeline development is not a constraint to the proposed project on this site.

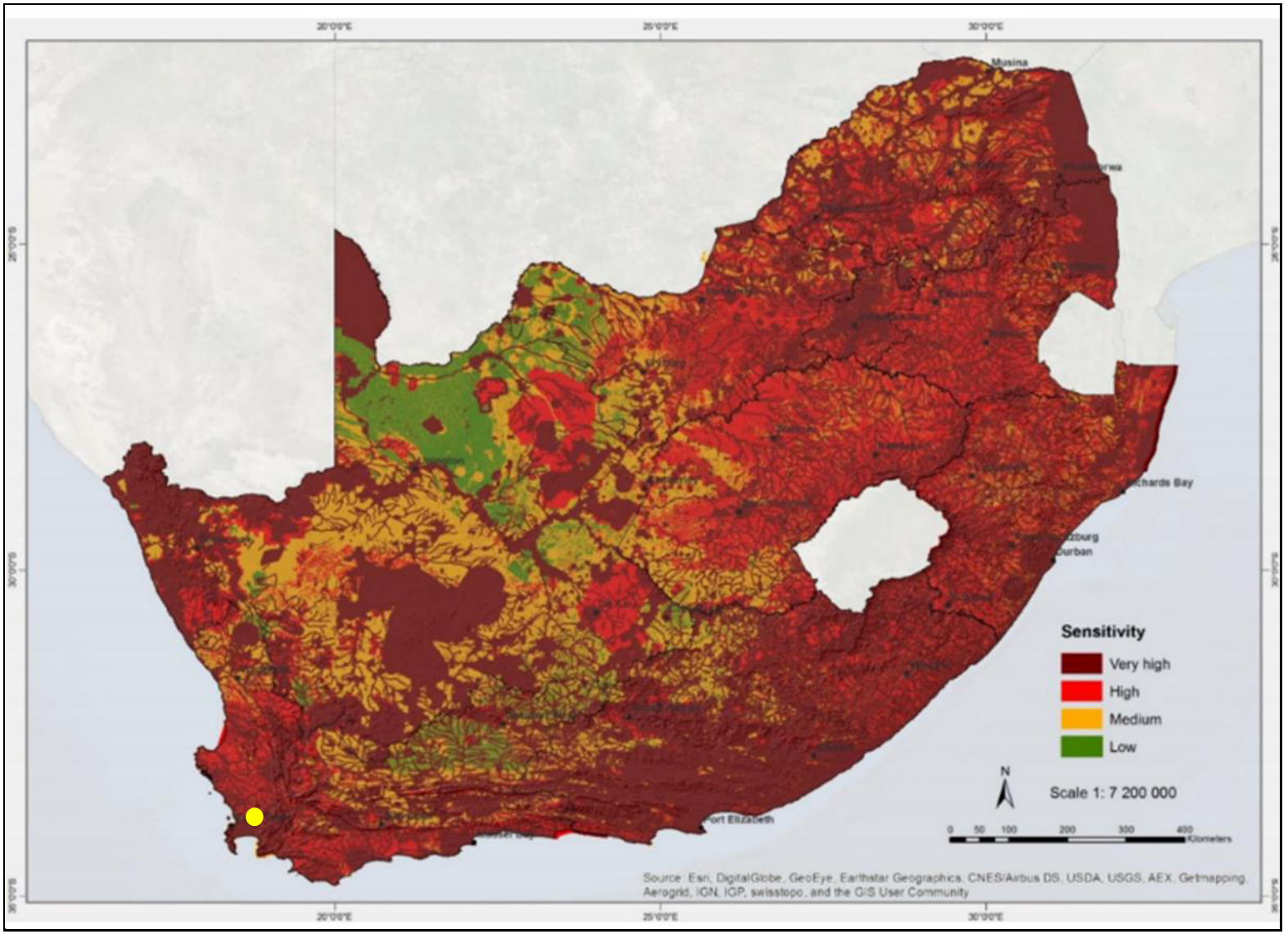


Figure 6: Environmental Sensitivities Map (site location indicated by yellow dot)

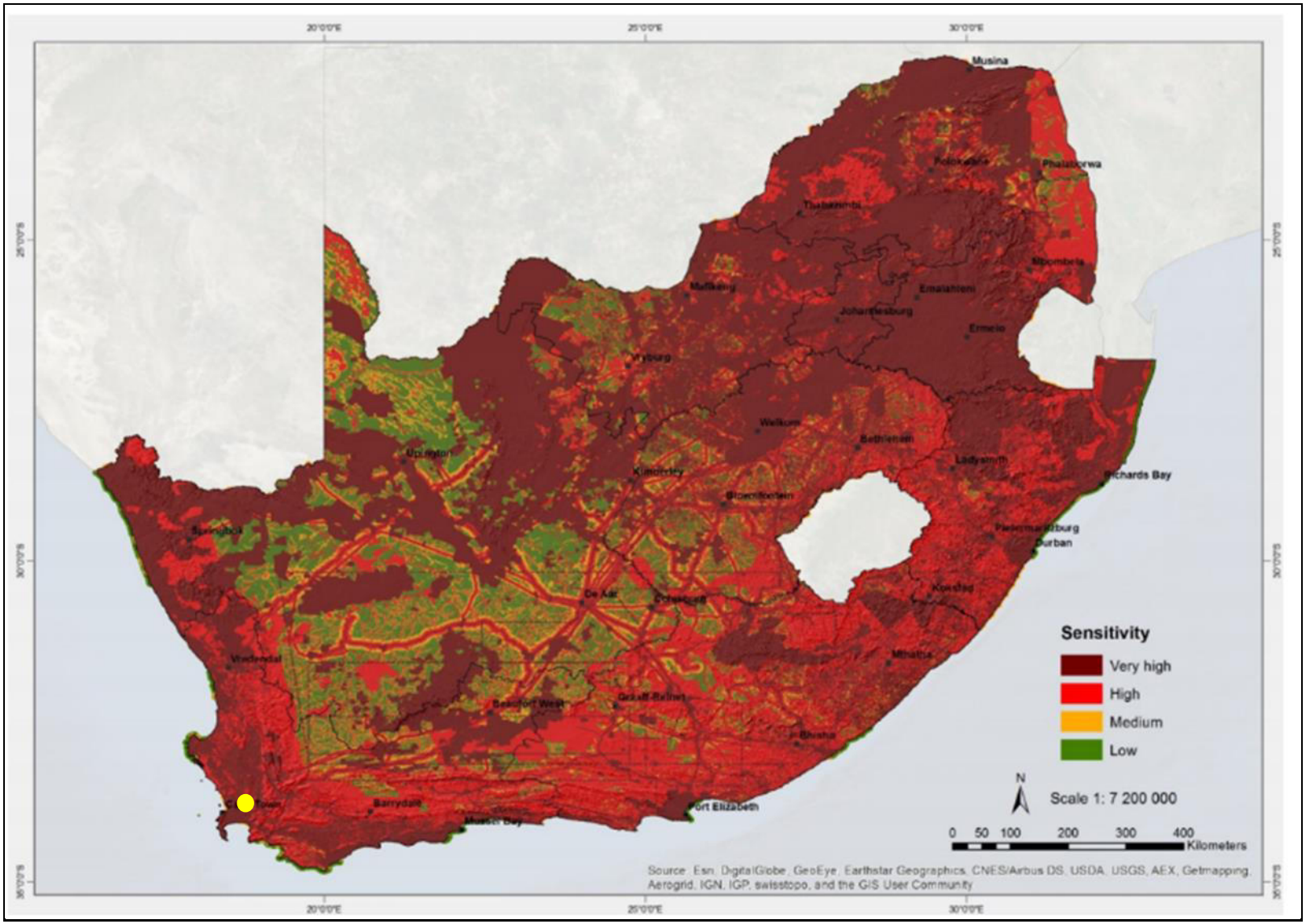


Figure 7: Engineering Constraints Map (site location indicated by yellow dot)

Site footprint Environmental Sensitivity:

a) Agricultural Theme - HIGH Sensitivity

Certain sections of the site footprint classify as HIGH agricultural theme sensitivity based on annual crop cultivation, even though the land capability classifies as low or medium.

Only RE/474 and P7/942 are cultivated and in use as agricultural land. The existing CWA entails P4/474 and P10/724 which is already in use as an airport and should not show with any agricultural sensitivity. P23/724 is allocated to mining use. RE/724 was historically used for agriculture, but agriculture has stopped, and the land was sold to the Applicant.

Only the runway safety area and the area west of the runway is proposed to be rezoned to Transport Zone 1 (TR1) with a permanent consent use for “airport”. The remainder of RE/474 and P7/942 will remain agricultural.

An agricultural study forms part of the Scoping and EIA process, and a specialist has been appointed.

b) Animal Species Theme –HIGH sensitivity

An Avifaunal and Faunal study forms part of the Scoping and EIA process and a specialist has been appointed.

c) Aquatic Biodiversity Theme – VERY HIGH Sensitivity

The rating is VERY HIGH due to the presence of seep wetlands within the site footprint.

A Freshwater Ecological study forms part of the Scoping and EIA process and a specialist has been appointed.

d) Archaeological and Cultural heritage theme– LOW sensitivity

An Archaeological study forms part of the Scoping and EIA process and a specialist has been appointed.

e) Civil Aviation Theme- HIGH sensitivity as the site is within 8 km of another civil aviation aerodrome. The site rates as MEDIUM sensitivity as it is between 15 and 35 km from a major civil aviation aerodrome.

An aviation specialist has been appointed to consider the proposed expansion project within this context as part of the Scoping and EIA process.

SACAA has also been identified as an IAP for future focussed consultation.

f) Defence Theme – MEDIUM sensitivity

The site rates as MEDIUM due to its proximity to a Military and Defence Site to the southwest of the site, the Goedverwacht communications base approximately 4km as the crow flies southwest of CWA.
ATNS has conducted an Obstacle Assessment Report (OLS) and in association with NACO, an Airspace CONOPS to understand the transition from CWA current uncontrolled airspace to a controlled airspace with instrument procedures in place.
The study confirms that the CWA and immediate surrounds are not used for any defence operations and that it is currently a private airport operating under a specific radar frequency. It further confirms that the proposed airspace procedures required for the expansion at CWA do not interfere with military airspace based on publicly available information. The study further indicated that there will not be a need for new communication system frequencies, and that frequency interference with existing defence installation and radar systems is unlikely.
Considering the proposed VHF Omnidirectional Range (VOR) and Very High Frequency Data Broadcast (VDB) proposed for the expansion of the CWA these mechanisms will only be beneficial for any defence installation if required. Although detail regarding SANDF and SAAF installations are not known to the public the intent is not to pinpoint or highlight is. By knowing the dynamic of radar and the requirement for operational effectiveness the preliminary assessment regarding the proposed CWA development indicated that it is highly likely that the proposed expansion will have a low impact on defence installations.

Based on the information obtained via the OLS and additional Airspace studies the EAP recommends that the rating be LOW and no further specialist studies required.

The SANDF, the SAAF and NASCOM was included as IAPs on the project and consultation on this position is ongoing in order to gather input regarding further requirements. During the pre-application Scoping report public participation, no comments were received that counters the EAP's position.

The need for a Glint and Glare assessment with relation to the Solar PV has been identified and will be included in the formal EIA process.

g) Palaeontology Theme – LOW sensitivity rating
Due to the LOW rating the EAP recommends no further action.

h) Plant species Theme– MEDIUM sensitivity.

A Botanical study forms part of the Scoping and EIA process and a specialist has been appointed.

i) Terrestrial Biodiversity Theme – VERY HIGH

An Avifaunal, Faunal and Botanical study forms part of the Scoping and EIA process and a specialist has been appointed in each of these specialist areas.

PART B: DISCUSSION OF SPECIALIST REPORTS AND ON-SITE VERIFICATION:

As part of the Site Sensitivity Verification process, the EAP undertook several site visits. Findings of the screening report were ground-truthed by the EAP and specialist baseline studies where applicable.

The following specialist assessments were identified as part of the screening report:

1) **Agricultural Impact Assessment**
   An agricultural study forms part of the Scoping and EIA process and a specialist has been appointed.

2) **Archaeological and Cultural Heritage Impact Assessment**
   A Cultural / Built and Archaeological study forms part of the Scoping and EIA process and a specialist has been appointed.

3) **Palaeontology Impact Assessment**
   Due to the LOW rating the EAP recommends no further specialist study.

   If any significant find is made during construction these should be safeguarded (preferably in situ) and the ECO should alert Heritage Western Cape so that appropriate mitigation (e.g., recording, sampling or collection) can be taken by a professional palaeontologist. The specialist involved would require a collection permit from SAHRA. Fossil material must be curated in an approved repository (e.g., museum or university collection) and all fieldwork and reports should meet the minimum standards for palaeontological impact studies developed by SAHRA. This requirement will be included in the future EMPr for the proposed project.

4) **Terrestrial Biodiversity Impact Assessment**
   An Avifaunal, Faunal and Botanical study forms part of the Scoping and EIA process and the specialists have been appointed.

5) **Aquatic Biodiversity Impact Assessment**
   A Freshwater Ecological study forms part of the Scoping and EIA process and a specialist has been appointed.

6) **Avian Impact Assessment**
   An avifaunal study forms part of the Scoping and EIA process and the specialists have been appointed.

An avian specialist has been appointed to consider the risk of avian strikes and proposed mitigation and management to be included in the Impact Assessment phase of the project.

7) Civil Aviation Assessment

An aviation specialist has been appointed to consider the proposed expansion project within this context as part of the Scoping and EIA process.
SACAA forms part of identified IAPs and future focussed consultation.
The DFFE Screening tool identified the proposed development area as “high sensitive” civil aviation area.
The Protocol for The Specialist Assessment and Minimum Report Content Requirements for Environmental Impacts on Civil Aviation Installations requires a Civil Aviation Compliance Statement for which NACO has been appointed.
The compliance statement to be concluded during the EIA phase of the application must contain, as a minimum, the following information:
2.3.1. contact details of the environmental assessment practitioner or the specialist, their relevant qualifications and expertise in preparing the statement, and a CV;
2.3.2. a signed statement of independence by the environmental assessment practitioner or specialist;
2.3.3. a map showing the proposed development footprint (including supporting infrastructure) overlaid on the civil aviation sensitivity map generated by the screening tool;
2.3.4. a comment, in writing, from the South African Civil Aviation Authority (SACAA), which may include inputs from the Obstacle Evaluation Committee (OEC), if appropriate, confirming no unacceptable impact on civil aviation installations; and
2.3.5. should the comment from the SACAA indicate the need for further assessment, a copy of the assessment report and mitigation measures is to be attached to the compliance statement and incorporated into the Basic Assessment Report or Environmental Impact Assessment Report with mitigation and monitoring measures identified included in the EMPr. The assessment must be in accordance with the requirements stipulated by the SACAA.

The intent is to conclude this protocol in step 2.3.4 if SACAA confirms that the proposed development will not result in unacceptable impacts. Step 2.3.5 will only be conducted as part of the EIA phase, if further assessment work is requested by SACAA. The ToR for 2.3.5 will be determined at that point in time depending on the requirements set by SACAA. Any further assessment will be conducted by the

appointed Civil Aviation specialist or sub-consultants with expertise in the field of aviation. The assessment will adhere to the requirements of the NEMA Regulations.

8) **Defence Assessment**

Based on the information obtained via the OLS and additional Airspace studies conducted as part of the proposed project, the EAP recommends that the rating be LOW and no further specialist studies required.

The SANDF and SAAF and NASCOM will be included as IAPs on the project to test this approach and get input into further requirements.

The need for a Glint and Glare assessment with relation to the Solar PV has been identified and will be included in the formal EIA process.

9) **Noise Impact Assessment**

A noise study forms part of the Scoping and EIA process, and a specialist has been appointed.

10) **Traffic Impact Assessment**

A traffic study forms part of the Scoping and EIA process, and a specialist has been appointed.

11) **Geotechnical Assessment**

A geotechnical study forms part of the Scoping and EIA process and a specialist has been appointed.

12) **Socio-economic Assessment**

A socio-economic study forms part of the Scoping and EIA process and a specialist has been appointed.

13) **Plant Species Assessment**

A Botanical study forms part of the Scoping and EIA process and a specialist has been appointed.

14) **Animal Species Assessment**

An Avifaunal and Faunal study forms part of the Scoping and EIA process and a specialist has been appointed.

Baseline studies were completed for the following specialist areas:

a) Agriculture,
b) Heritage (Archaeological and Built & Cultural Environment),
c) Botanical,
d) Freshwater Ecological,
e) Faunal and Avifaunal,
f) Civil Aviation,
g) Noise,
h) Traffic,
i) Geotechnical,
j) Socio-Economic,
k) Visual,
l) Air quality,
m) Geohydrological,
n) Archaeological.

The baseline studies informed the site sensitivity report, the SDP and further specialist studies required for the Scoping and Impact Assessment phases of the project.

The following additional specialist studies were commissioned by the applicant:

1) Air Quality Impact Assessment
2) Visual Impact Assessment
3) Geohydrology Impact Assessment
4) Archaeological Baseline Assessment

Post the public participation of the Pre-application Scoping report (8 November 2023 to 8 December 2023) the following additional specialist studies have been commissioned:

1) Climate Change Impact Assessment

2) Terrestrial Biodiversity offset study

3) Freshwater offset study

4) Hydropedological study

5) Glint and Glare study

6) Major Hazardous Installation risk assessment