

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

EIA Reference number: TBD

Project name: Stikland South

Project title: Stikland South

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Applicant: Western Cape Government: Department of Infrastructure

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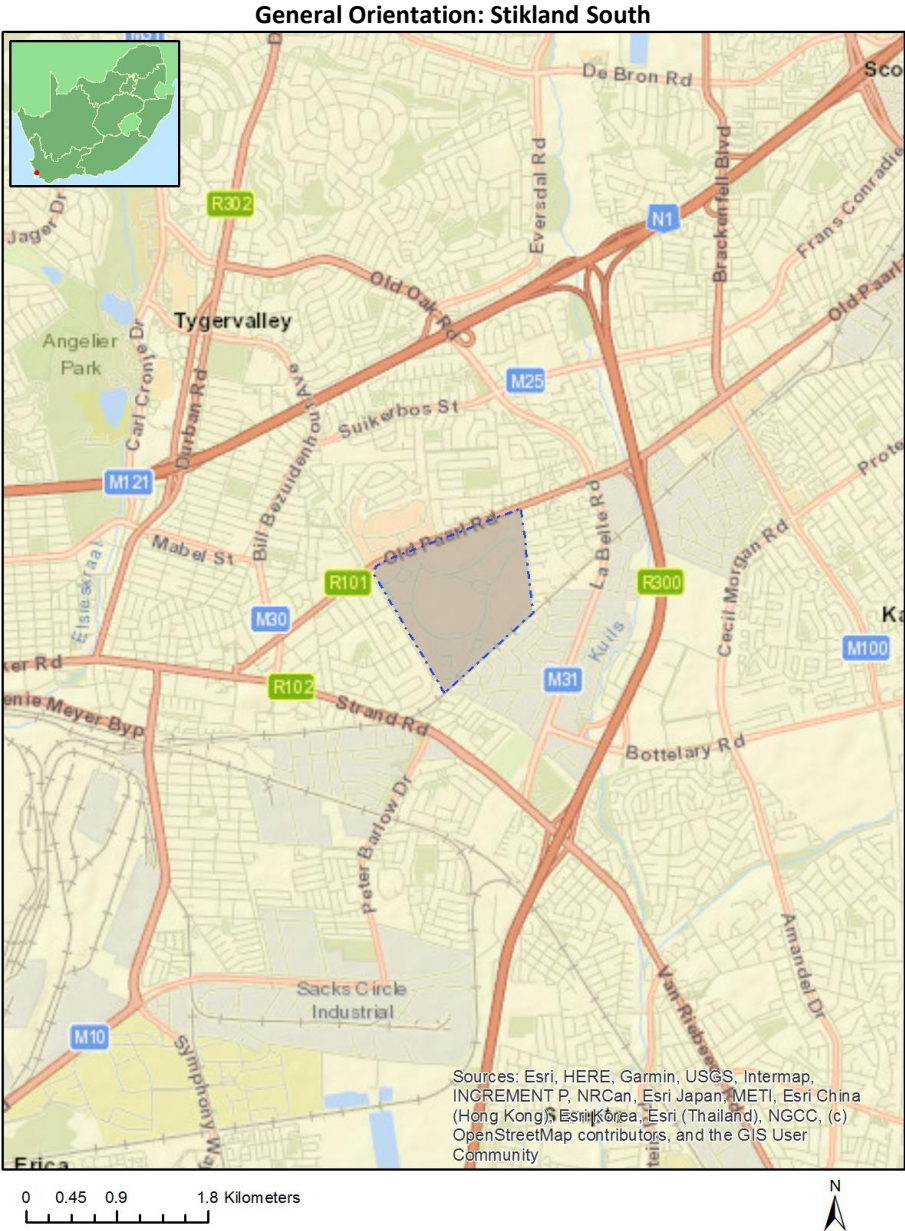
Application Category: Transformation of land | Indigenous vegetation

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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	BELLVILLE	6300	0	33°53'46.52S	18°39'35.61E	Erven

Development footprint¹ vertices:

Footprint	Latitude	Longitude
1	33°53'23.64S	18°39'54.62E
1	33°53'23.93S	18°39'54.66E
1	33°53'26.81S	18°39'55.07E
1	33°53'27.09S	18°39'55.11E
1	33°53'27.35S	18°39'55.14E
1	33°53'29.96S	18°39'55.5E
1	33°53'33.39S	18°39'55.98E
1	33°53'38.02S	18°39'56.63E
1	33°53'41.88S	18°39'57.17E
1	33°53'43.22S	18°39'57.36E
1	33°53'47.28S	18°39'57.92E
1	33°53'49.62S	18°39'58.25E
1	33°53'50.72S	18°39'58.4E
1	33°53'50.74S	18°39'58.4E
1	33°53'51.07S	18°39'58.45E

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.

1	33°53'51.53S	18°39'58.51E
1	33°54'12.9S	18°39'30.03E
1	33°54'12.93S	18°39'29.98E
1	33°53'41.41S	18°39'7.57E
1	33°53'41.29S	18°39'7.59E
1	33°53'39.06S	18°39'8.18E
1	33°53'37.83S	18°39'10.78E
1	33°53'36.67S	18°39'13.92E
1	33°53'23.64S	18°39'54.62E

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

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:

Transformation of land | Indigenous vegetation.

Relevant development incentives, restrictions, exclusions or prohibitions

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

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Main Electricity Distribution Substation	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Distribution_Transmission.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

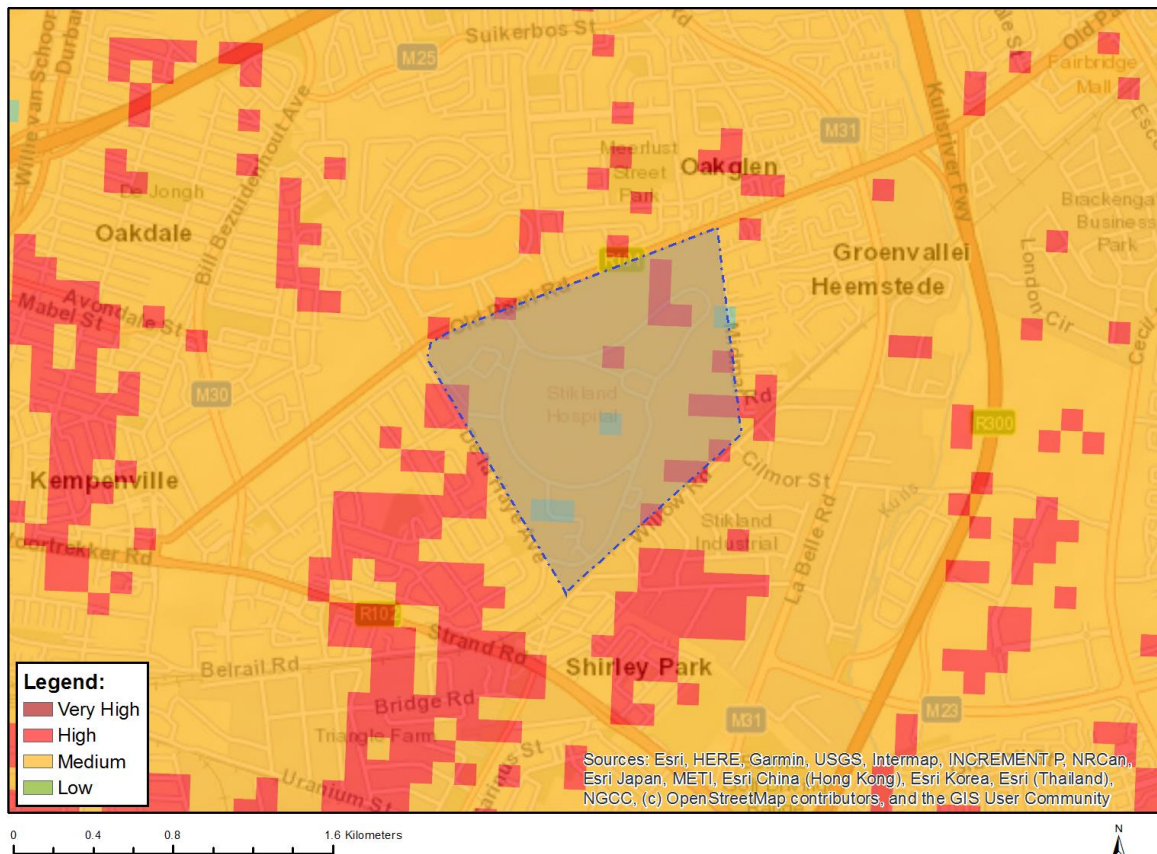
Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, 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	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
5	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
6	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
7	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
8	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

Results of the environmental sensitivity of the proposed area.

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

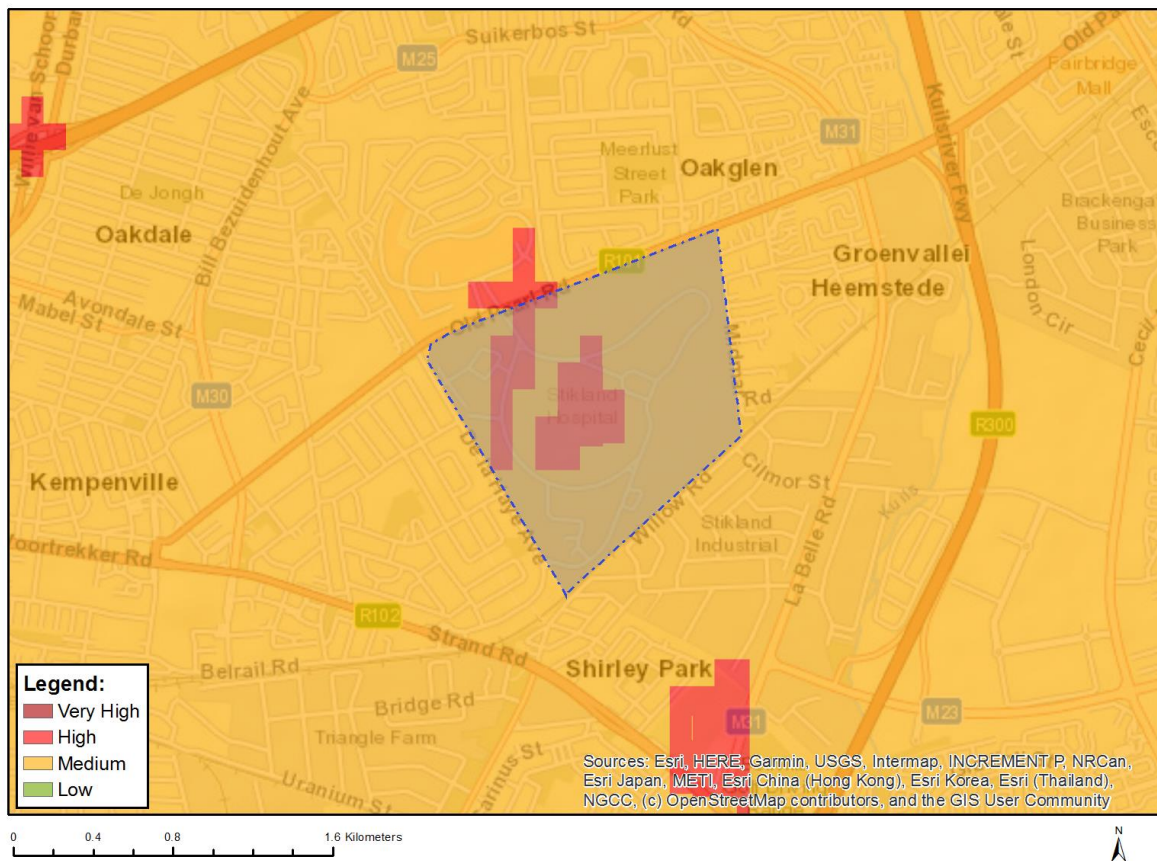


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
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



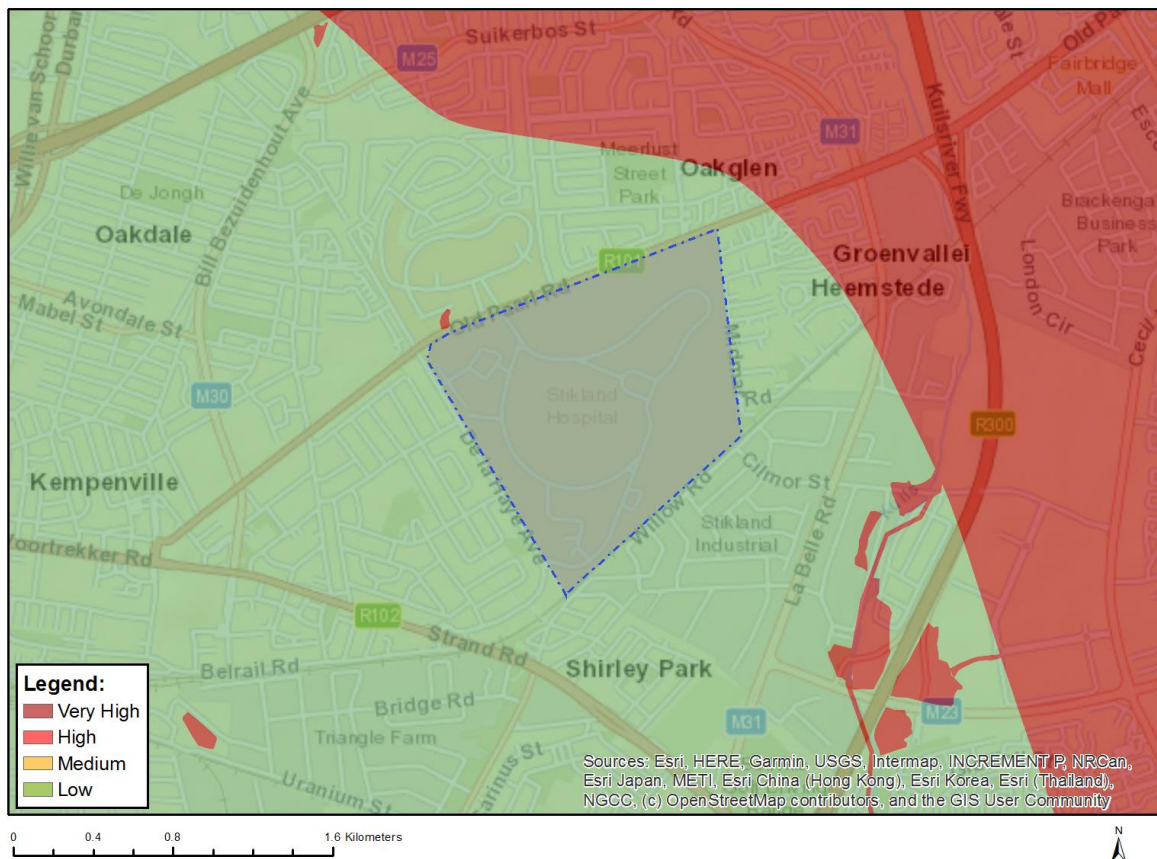
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their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

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

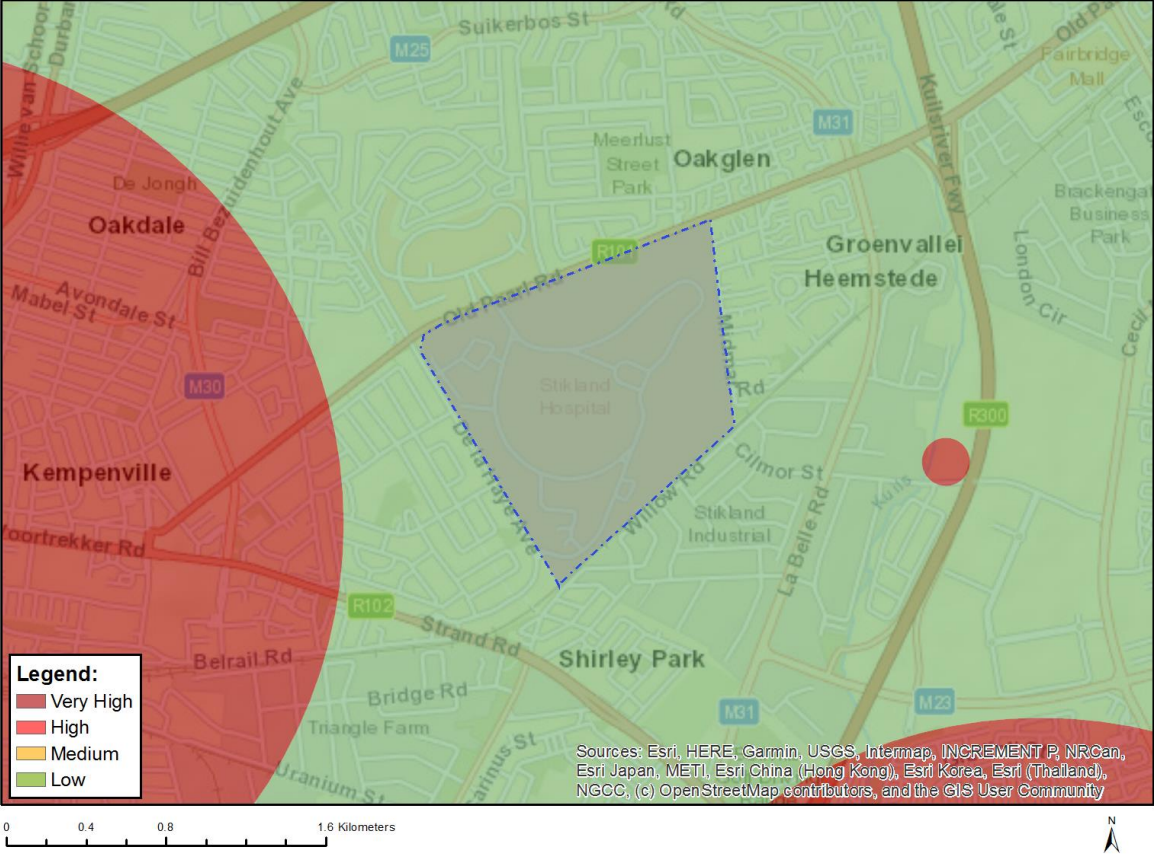


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

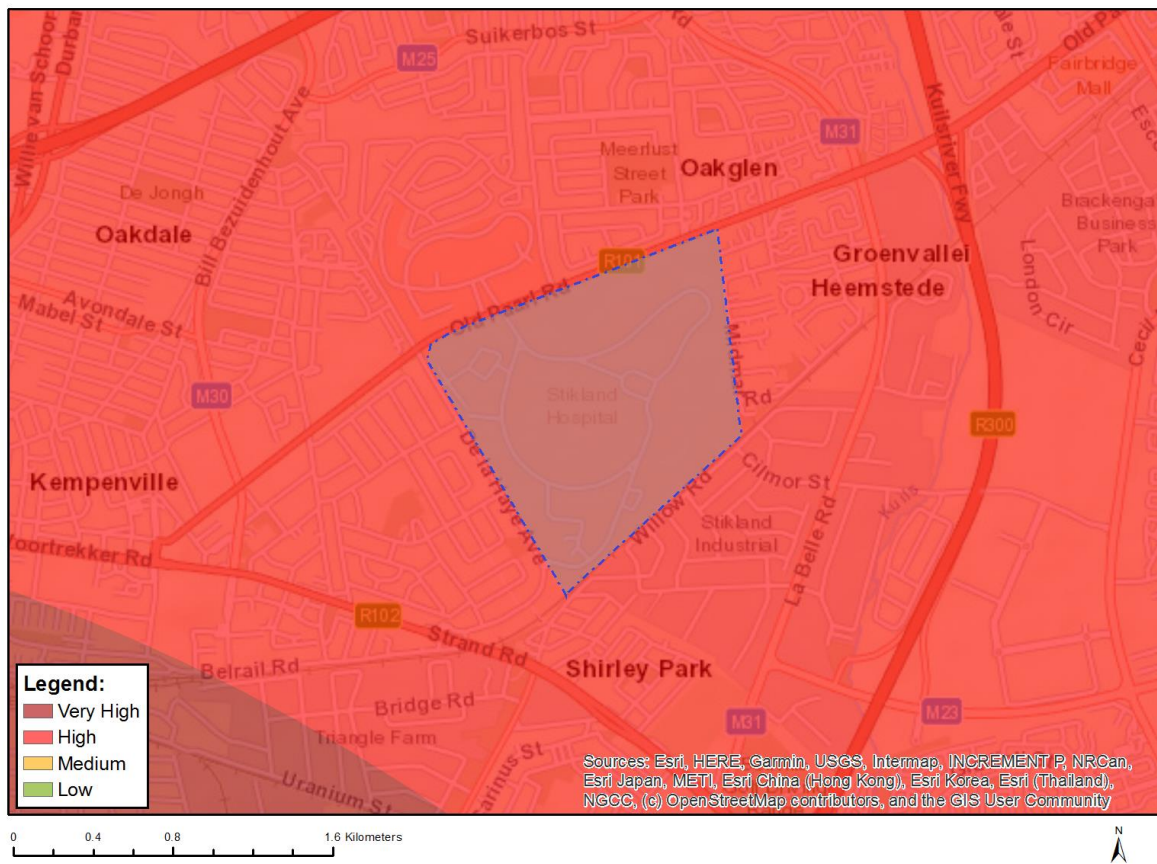


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

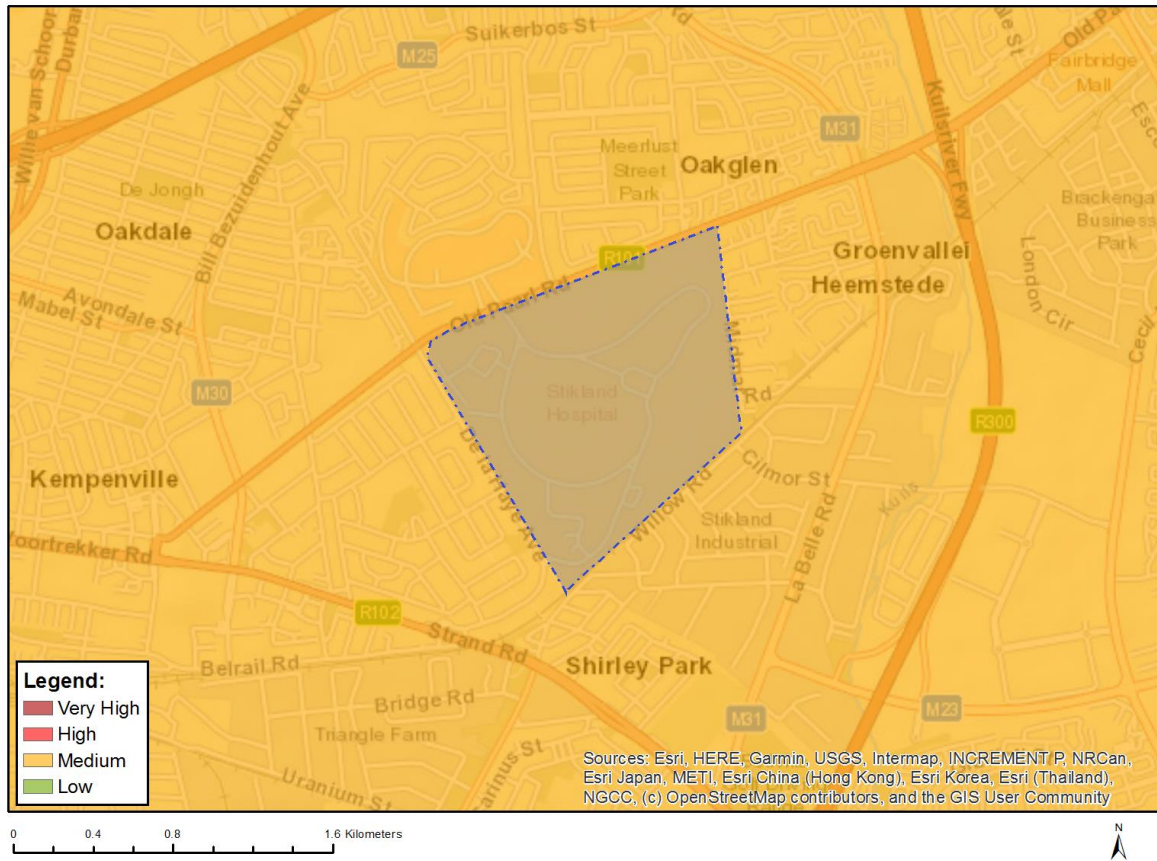


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

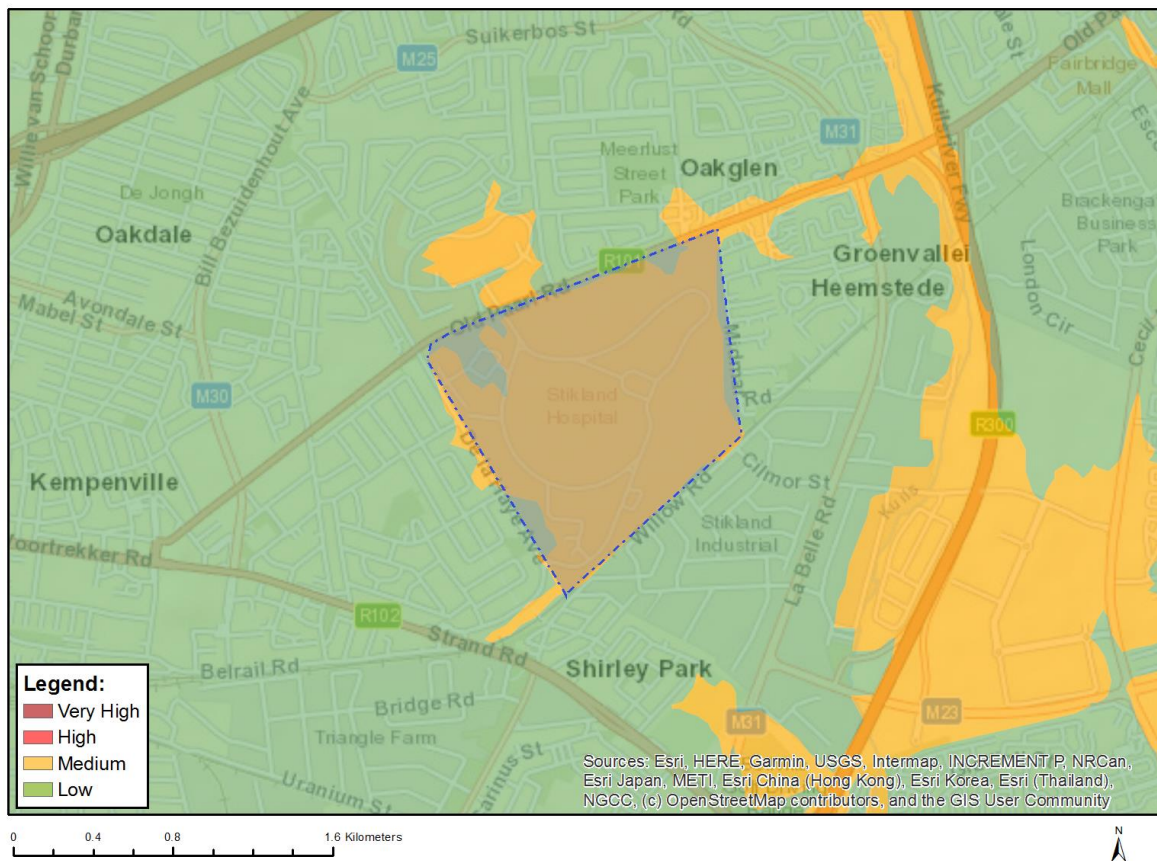


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Features with a Low paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Lampranthus amoenus
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	<i>Antimima aristulata</i>
Medium	<i>Erepsia patula</i>
Medium	<i>Erepsia ramosa</i>
Medium	<i>Cleretum clavatum</i>
Medium	<i>Ruschia diversifolia</i>
Medium	<i>Ruschia geminiflora</i>
Medium	<i>Drosanthemum hispifolium</i>
Medium	<i>Cephalophyllum parviflorum</i>
Medium	<i>Lessertia argentea</i>
Medium	<i>Amphithalea ericifolia</i> subsp. <i>erecta</i>
Medium	<i>Xiphotheca lanceolata</i>
Medium	<i>Psoralea glaucina</i>
Medium	<i>Liparia splendens</i> subsp. <i>splendens</i>
Medium	<i>Indigofera psoraloides</i>
Medium	<i>Aspalathus acanthophylla</i>
Medium	<i>Aspalathus aculeata</i>
Medium	<i>Aspalathus araneosa</i>
Medium	<i>Aspalathus globulosa</i>
Medium	<i>Aspalathus lotoides</i> subsp. <i>lotoides</i>
Medium	<i>Aspalathus muraltioides</i>
Medium	<i>Aspalathus retroflexa</i> subsp. <i>bicolor</i>
Medium	<i>Aspalathus varians</i>
Medium	<i>Rafnia lancea</i>
Medium	<i>Rafnia angulata</i> subsp. <i>humilis</i>
Medium	<i>Rafnia angulata</i> subsp. <i>ericifolia</i>
Medium	<i>Lebeckia plukenetiana</i>
Medium	<i>Podalyria argentea</i>
Medium	<i>Podalyria microphylla</i>
Medium	<i>Podalyria sericea</i>
Medium	<i>Thesium ecklonianum</i>
Medium	<i>Leucadendron cinereum</i>
Medium	<i>Leucadendron corymbosum</i>
Medium	<i>Leucadendron floridum</i>
Medium	<i>Leucadendron lanigerum</i> var. <i>lanigerum</i>
Medium	<i>Leucadendron levisanus</i>
Medium	<i>Leucadendron linifolium</i>
Medium	<i>Leucadendron stellare</i>
Medium	<i>Leucadendron thymifolium</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>canaliculatum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>hypophyllocarpodendron</i>
Medium	<i>Protea burchellii</i>
Medium	<i>Diastella proteoides</i>
Medium	<i>Serruria aemula</i>
Medium	<i>Serruria brownii</i>
Medium	<i>Serruria trilopha</i>
Medium	<i>Merciera tetraloba</i>
Medium	<i>Microdon capitatus</i>
Medium	<i>Pentameris bachmannii</i>
Medium	<i>Pentameris pholiuroides</i>
Medium	<i>Ehrharta setacea</i> subsp. <i>uniflora</i>
Medium	<i>Anthospermum ericifolium</i>
Medium	<i>Lobostemon capitatus</i>
Medium	<i>Echiostachys incanus</i>
Medium	<i>Echiostachys spicatus</i>
Medium	<i>Hesperantha spicata</i> subsp. <i>spicata</i>
Medium	Sensitive species 631
Medium	Sensitive species 331
Medium	Sensitive species 533
Medium	Sensitive species 975
Medium	Sensitive species 878

Medium	<i>Geissorhiza brehmii</i>
Medium	<i>Geissorhiza furva</i>
Medium	<i>Geissorhiza humilis</i>
Medium	<i>Geissorhiza monanthos</i>
Medium	<i>Geissorhiza radians</i>
Medium	<i>Geissorhiza setacea</i>
Medium	<i>Geissorhiza erosa</i>
Medium	Sensitive species 881
Medium	Sensitive species 683
Medium	Sensitive species 560
Medium	Sensitive species 1
Medium	Sensitive species 830
Medium	Sensitive species 1140
Medium	Sensitive species 995
Medium	Sensitive species 298
Medium	Sensitive species 863
Medium	<i>Pauridia alba</i>
Medium	<i>Pauridia canaliculata</i>
Medium	<i>Pauridia pygmaea</i>
Medium	<i>Monopsis variifolia</i>
Medium	<i>Oxalis falcata</i>
Medium	<i>Oxalis natans</i>
Medium	<i>Erica bolusiae</i> var. <i>bolusiae</i>
Medium	<i>Stylapterus fruticosus</i>
Medium	<i>Hermannia procumbens</i> subsp. <i>procumbens</i>
Medium	<i>Hermannia rugosa</i>
Medium	Sensitive species 769
Medium	Sensitive species 222
Medium	<i>Sebaea rara</i>
Medium	Sensitive species 444
Medium	Sensitive species 493
Medium	Sensitive species 478
Medium	Sensitive species 756
Medium	<i>Adenogramma rigida</i>
Medium	<i>Wachendorfia brachyandra</i>
Medium	<i>Hessea cinnamomea</i>
Medium	<i>Isoetes capensis</i>
Medium	Sensitive species 133
Medium	<i>Isolepis inconspicua</i>
Medium	<i>Isolepis venustula</i>
Medium	<i>Trianoptiles solitaria</i>
Medium	<i>Ficinia elatior</i>
Medium	<i>Cannomois arenicola</i>
Medium	<i>Elegia prominens</i>
Medium	<i>Hypodiscus rugosus</i>
Medium	<i>Restio duthieae</i>
Medium	<i>Restio micans</i>
Medium	<i>Restio sabulosus</i>
Medium	<i>Restio impolitus</i>
Medium	<i>Restio papillosus</i>
Medium	<i>Restio pratensis</i>
Medium	<i>Anisodonteia biflora</i>
Medium	<i>Cynanchum zeyheri</i>
Medium	Sensitive species 985
Medium	Sensitive species 120
Medium	Sensitive species 266
Medium	<i>Pterygodium cruciferum</i>
Medium	<i>Pterygodium microglossum</i>
Medium	<i>Gnidia spicata</i>
Medium	<i>Passerina paludosa</i>

Medium	<i>Lachnaea uniflora</i>
Medium	<i>Metalasia capitata</i>
Medium	<i>Metalasia octoflora</i>
Medium	<i>Marasmodes dummeri</i>
Medium	<i>Poecilolepis maritima</i>
Medium	<i>Steirodiscus tagetes</i>
Medium	<i>Senecio cadiscus</i>
Medium	<i>Cotula eckloniana</i>
Medium	<i>Athanasia capitata</i>
Medium	<i>Arctotis angustifolia</i>
Medium	Sensitive species 1042
Medium	<i>Arctotheca forbesiana</i>
Medium	<i>Diosma dichotoma</i>
Medium	<i>Agathosma corymbosa</i>
Medium	<i>Adenandra villosa</i> subsp. <i>biseriata</i>
Medium	<i>Macrostylis cassiopoides</i> subsp. <i>dregeana</i>
Medium	<i>Macrostylis villosa</i> subsp. <i>villosa</i>
Medium	<i>Cliffortia ericifolia</i>
Medium	<i>Cliffortia hirta</i>
Medium	<i>Cliffortia marginata</i>
Medium	<i>Limonium purpuratum</i>
Medium	<i>Muraltia brevicornu</i>
Medium	<i>Muraltia decipiens</i>
Medium	<i>Muraltia macropetala</i>
Medium	<i>Muraltia mitior</i>
Medium	Sensitive species 214
Medium	Sensitive species 262
Medium	Sensitive species 1135
Medium	Sensitive species 158
Medium	Sensitive species 1265
Medium	Sensitive species 616
Medium	<i>Wurmbea inusta</i>
Medium	<i>Phylica dioica</i>
Medium	<i>Phylica harveyi</i>
Medium	<i>Phylica plumosa</i> var. <i>squarrosa</i>
Medium	<i>Phylica strigulosa</i>
Medium	<i>Phylica thunbergiana</i>
Medium	<i>Codonrhiza azurea</i>
Medium	<i>Skiatophytum skiatophytoides</i>
Medium	<i>Lampranthus debilis</i>
Medium	<i>Lampranthus glaucus</i>
Medium	<i>Drosanthemum striatum</i>
Medium	<i>Argyrobium velutinum</i>
Medium	<i>Xiphotheca reflexa</i>
Medium	<i>Psoralea alata</i>
Medium	<i>Aspalathus lebeckioides</i>
Medium	<i>Aspalathus recurva</i>
Medium	<i>Aspalathus tylodes</i>
Medium	<i>Leucospermum rodolentum</i>
Medium	<i>Protea scolymocephala</i>
Medium	Sensitive species 593
Medium	Sensitive species 335
Medium	Sensitive species 599
Medium	<i>Elegia squamosa</i>
Medium	<i>Elegia verreauxii</i>
Medium	<i>Restio paludosus</i>
Medium	<i>Restio rigoratus</i>
Medium	Sensitive species 500
Medium	Sensitive species 654
Medium	<i>Lachnaea capitata</i>

Medium	Lachnaea grandiflora
Medium	Cotula pusilla
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	CR_Cape Flats Sand Fynbos
Very High	CR_Swartland Shale Renosterveld