

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

EIA Reference number: 0

Project name: Birkenhead Stanford

Project title: Birkenhead Stanford

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Applicant: Private

Compiler: Lornay Environmental Consulting

Compiler signature:

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Application Category: Transformation of land | Indigenous vegetation

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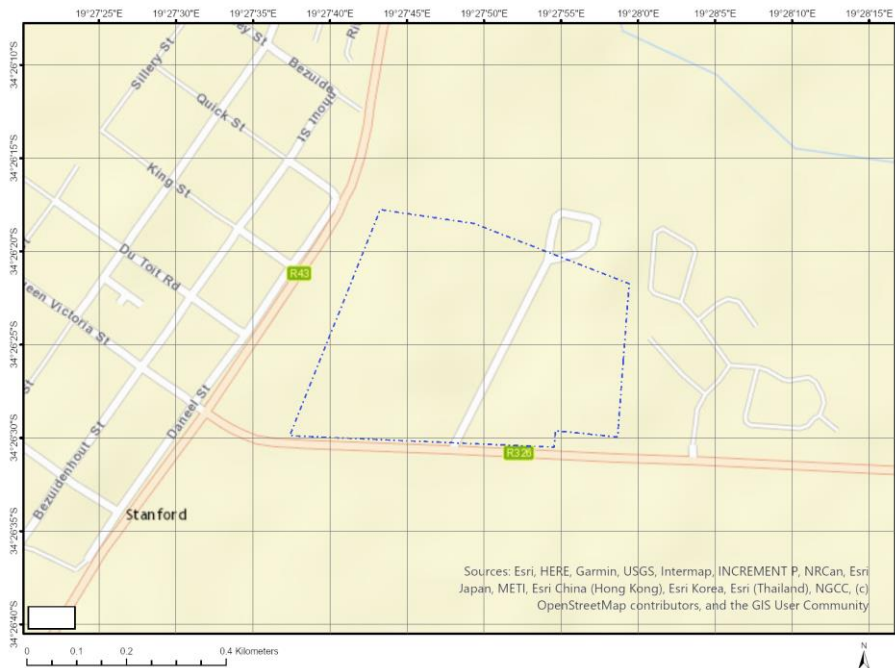
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	STANFORD	597	0	34°26'24.7S	19°27'55.61E	Erven
2	STANFORD	598	0	34°26'23.28S	19°27'49.37E	Erven
3	STANFORD	599	0	34°26'22.57S	19°27'43.63E	Erven
4	STANFORD	1197	0	34°26'29.2S	19°27'44.33E	Erven
5	STANFORD	2046	0	34°26'24.6S	19°27'48.57E	Erven

Development footprint¹ vertices:
No development footprint(s) specified.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/1746/1	Wind	Approved	25.3
2	16/3/3/1/E2/29/1021/20	Solar PV	Approved	26.8
3	12/12/20/1746/AM3	Wind	Approved	25.3

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.

4	12/12/20/1746	Wind	Approved	25.3
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Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

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 site are indicated below.

No intersection with any development zones found.

Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme	X			
Animal Species Theme		X		
Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage Theme	X			
Civil Aviation Theme		X		
Defence Theme				X
Paleontology Theme	X			
Plant Species Theme			X	
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

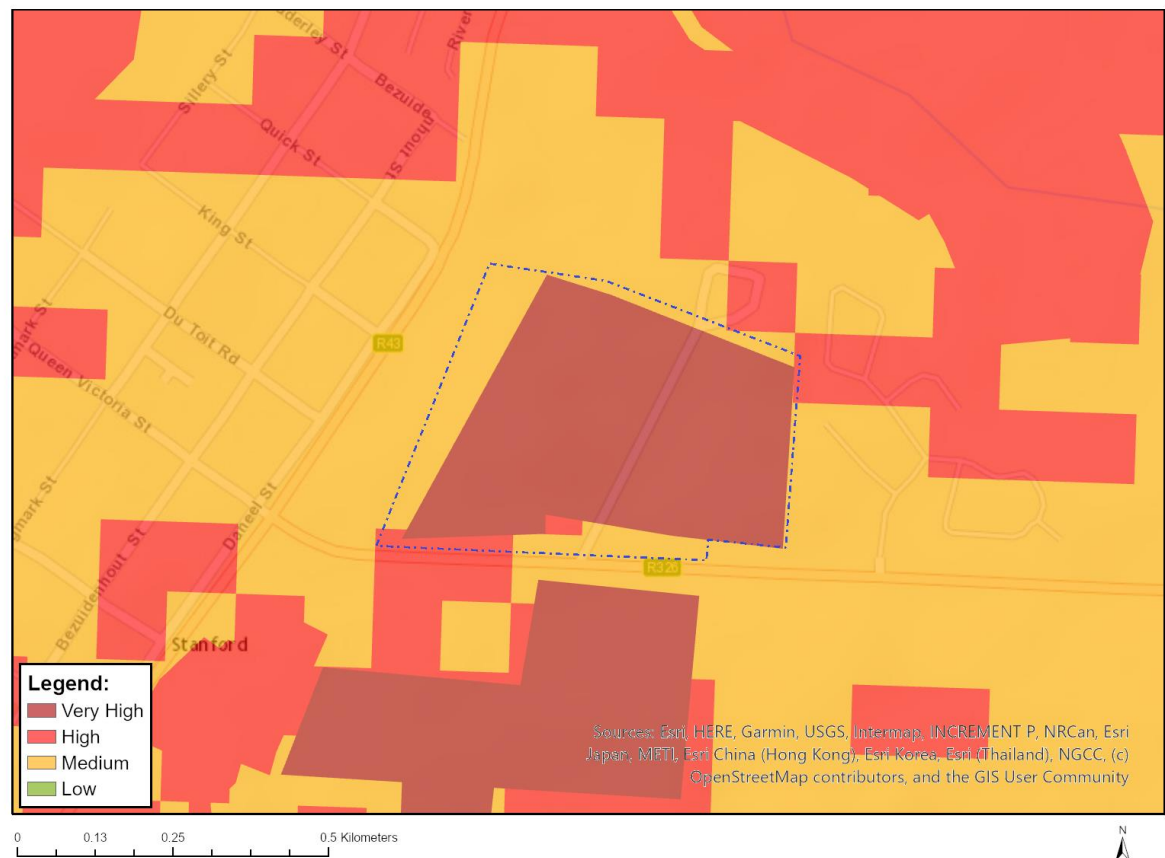
Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site 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 site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

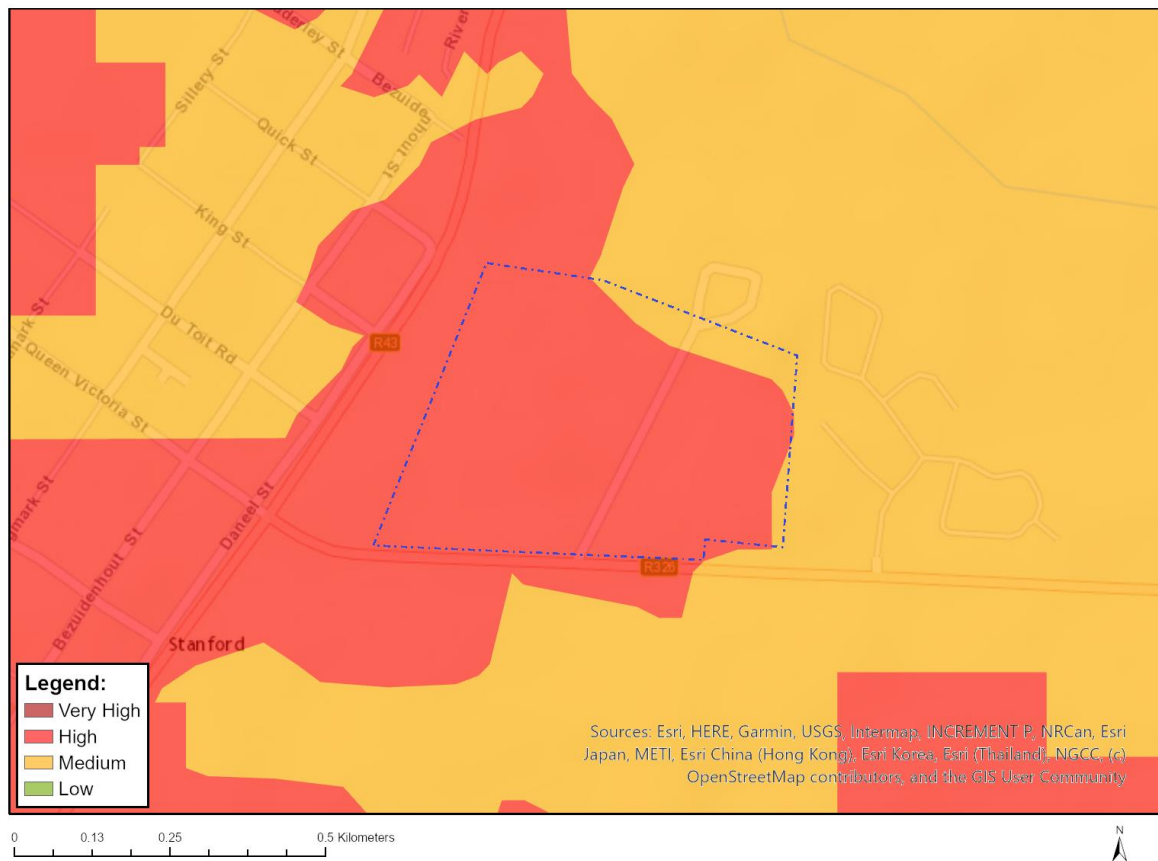


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
Very High	Viticulture;Land capability;09. Moderate-High/10. Moderate-High
Very High	Viticulture;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	Amphibia-Sclerophrys pantherina
Medium	Amphibia-Sclerophrys pantherina
Medium	Insecta-Aloeides egerides
Medium	Reptilia-Bitis armata
Medium	Invertebrate-Brinckiella aptera
Medium	Invertebrate-Aneuryphymus montanus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

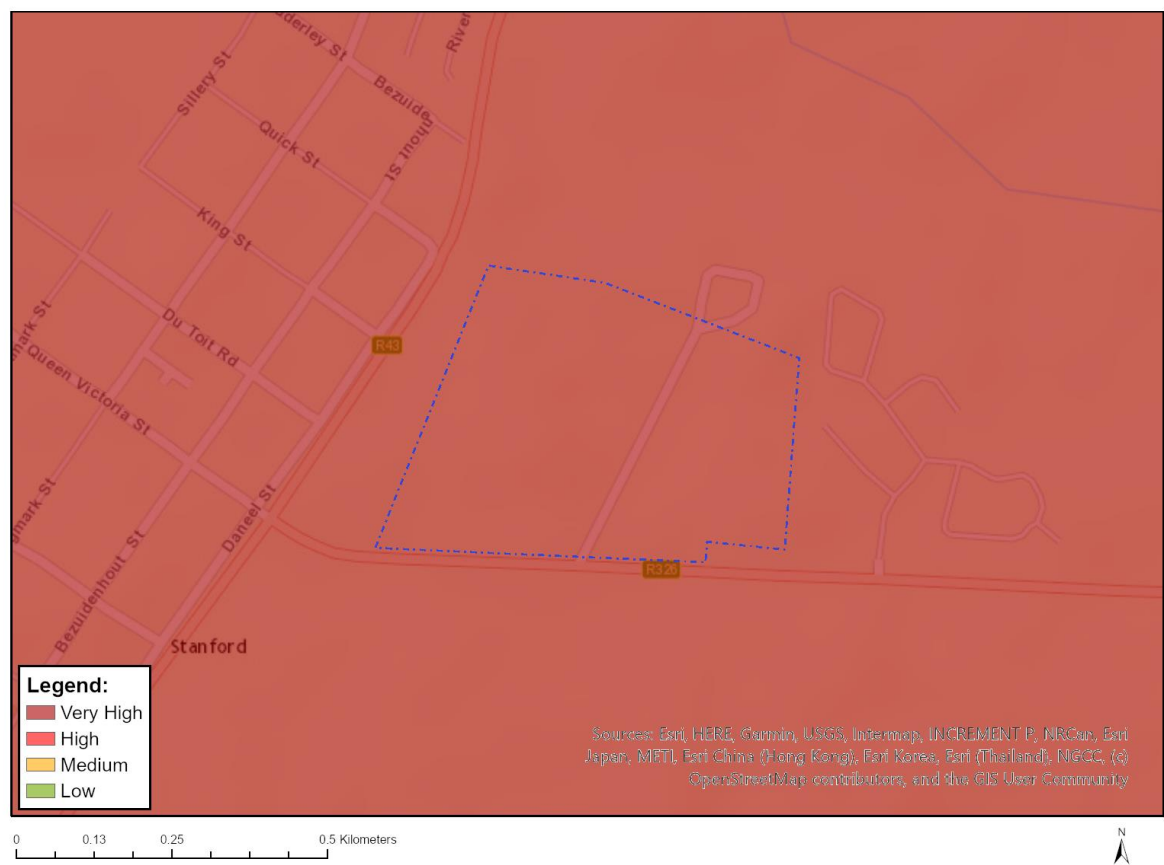


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

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

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Dangerous and restricted airspace as demarcated

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 PALEONTOLOGY THEME SENSITIVITY

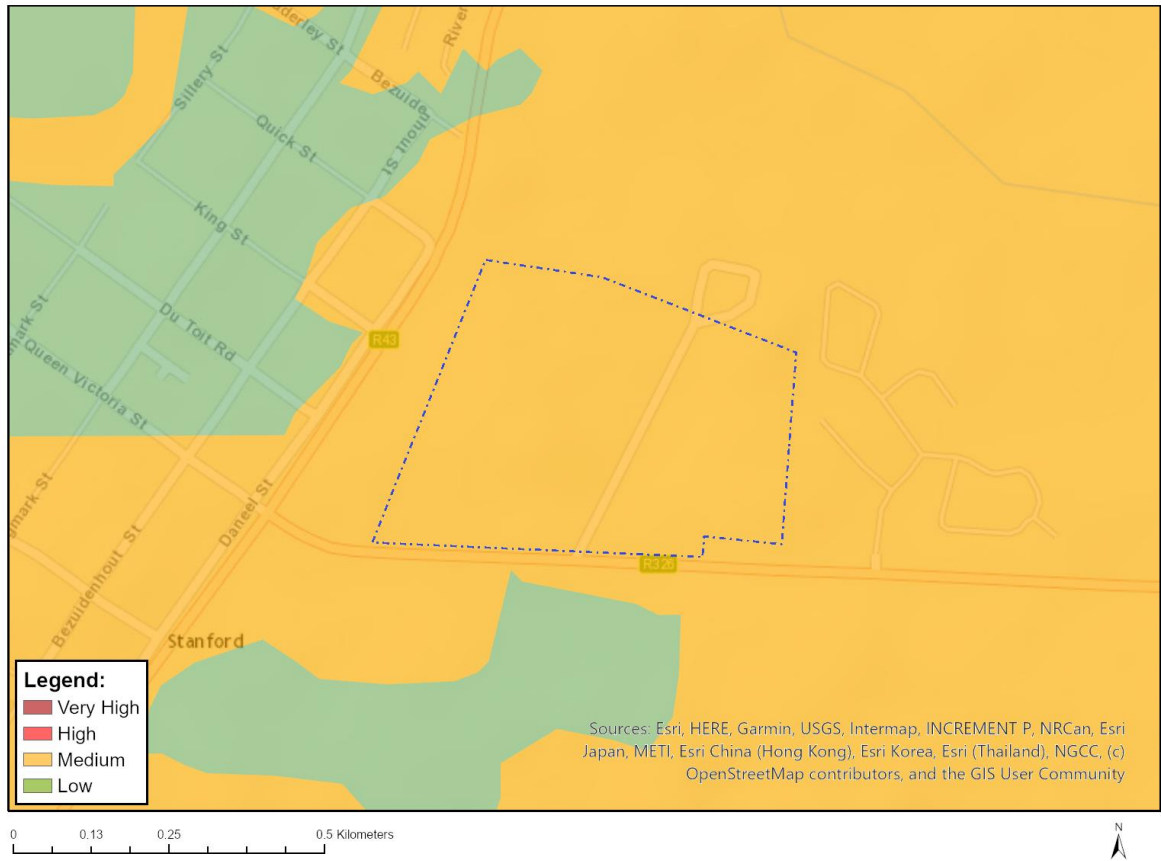


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Features with a Very High 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)
Medium	Lampranthus fergusoniae
Medium	Amphithalea virgata
Medium	Argyrobium pachyphyllum
Medium	Xiphotheca guthriei
Medium	Aspalathus excelsa
Medium	Aspalathus globulosa
Medium	Aspalathus millefolia
Medium	Otholobium pungens
Medium	Colpoon speciosum
Medium	Thesium ecklonianum
Medium	Leucadendron coniferum
Medium	Leucadendron elimense subsp. elimense
Medium	Leucadendron laxum

Medium	Leucadendron linifolium
Medium	Leucadendron modestum
Medium	Leucadendron platyspermum
Medium	Leucospermum heterophyllum
Medium	Leucospermum patersonii
Medium	Leucospermum prostratum
Medium	Protea angustata
Medium	Protea longifolia
Medium	Paranomus abrotanifolius
Medium	Selago diffusa
Medium	Pentameris pholiuroides
Medium	Lobostemon capitatus
Medium	Lobostemon lucidus
Medium	Echiostachys ecklonianus
Medium	Aristea teretifolia
Medium	Tritoniopsis flexuosa
Medium	Ixia longituba subsp. longituba
Medium	Sensitive species 629
Medium	Sensitive species 137
Medium	Sensitive species 247
Medium	Sensitive species 499
Medium	Pauridia alba
Medium	Oxalis duriuscula
Medium	Erica brachysepala
Medium	Erica irregularis
Medium	Erica melanacme
Medium	Erica patersonii
Medium	Erica propendens
Medium	Erica riparia
Medium	Erica radicans subsp. schlechteri
Medium	Erica perspicua subsp. latifolia
Medium	Sensitive species 1142
Medium	Thamnochortus dumosus
Medium	Thamnochortus pellucidus
Medium	Staberoha multispicula
Medium	Elegia fenestrata
Medium	Hypodiscus rugosus
Medium	Restio harveyi
Medium	Restio anomalus
Medium	Restio papillosus
Medium	Sensitive species 1139
Medium	Pterygodium vermiferum
Medium	Gnidia ornata
Medium	Passerina paludosa
Medium	Metalasia plicata
Medium	Cotula myriophylloides
Medium	Pteronia tenuifolia
Medium	Arctotheca forbesiana
Medium	Cullumia squarrosa
Medium	Diosma subulata
Medium	Agathosma abrupta
Medium	Euchaetis schlechteri
Medium	Cliffortia ericifolia
Medium	Cliffortia longifolia
Medium	Cliffortia anthospermoides
Medium	Sensitive species 719
Medium	Sensitive species 1151
Medium	Sensitive species 547
Medium	Phylla lucida
Medium	Orthochilus litoralis

Medium	<i>Skiatophytum skiatophytoides</i>
Medium	<i>Lampranthus debilis</i>
Medium	<i>Aponogeton fugax</i>
Medium	<i>Protea aspera</i>
Medium	<i>Paranomus bolusii</i>
Medium	Sensitive species 593
Medium	Sensitive species 800
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 rigorus</i>
Medium	Sensitive species 500
Medium	Sensitive species 53
Medium	<i>Lachnaea grandiflora</i>
Medium	<i>Zostera capensis</i>

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
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Very High	ESA 2: Restore from other land use
Very High	EN_Elim Ferricrete Fynbos

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