

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

EIA Reference number: 16/3/3/1/F5/5/2024/26

Project name: THE PROPOSED SECOND PHASE OF THE DARLING HOUSING DEVELOPMENT,
DARLING, WESTERN CAPE PROVINCE

Project title: THE PROPOSED SECOND PHASE OF THE DARLING HOUSING DEVELOPMENT,
DARLING, WESTERN CAPE PROVINCE

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Applicant: Swartland Municipality

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Application Category: Transformation of land|Indigenous vegetation

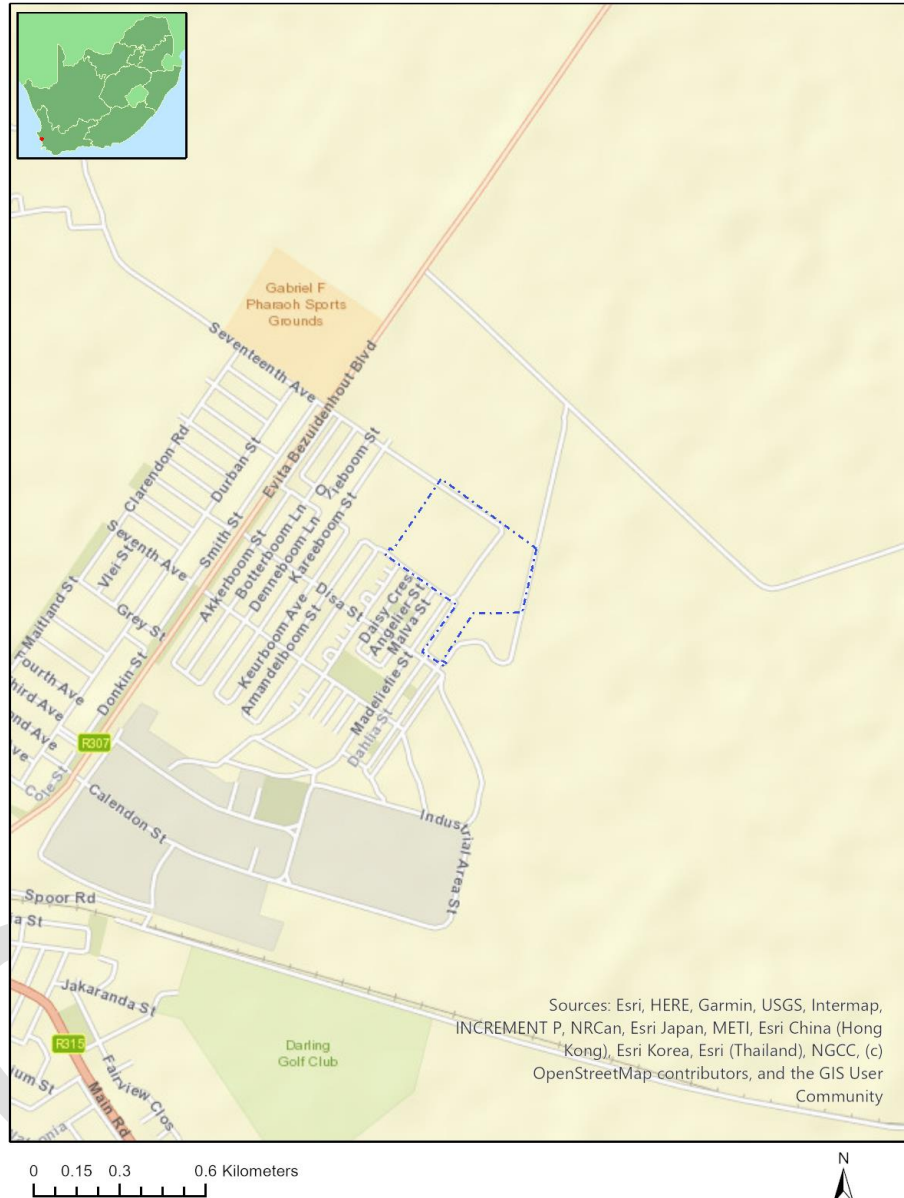
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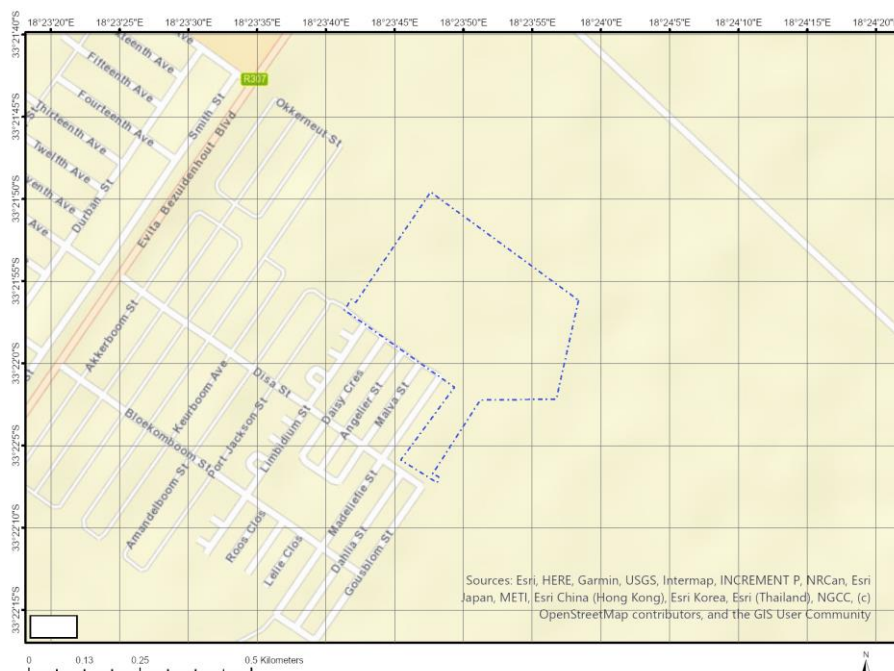
Proposed Project Location

Orientation map 1: General location

General Orientation: THE PROPOSED SECOND PHASE OF THE DARLING HOUSING DEVELOPMENT, DARLING, WESTERN CAPE PROVINCE



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	DARLING	551	0	33°21'38.32S	18°23'15.26E	Erven
2	DARLING	551	0	33°21'51.62S	18°23'42.5E	Erven
3	DARLING	4784	0	33°21'54.21S	18°23'43.59E	Erven
4	DARLING	4783	0	33°21'53.92S	18°23'43.78E	Erven
5	DARLING	4800	0	33°21'55.26S	18°23'42.8E	Erven
6	DARLING	4799	0	33°21'54.86S	18°23'43.11E	Erven
7	DARLING	4561	0	33°21'51.42S	18°23'42.58E	Erven
8	DARLING	4782	0	33°21'53.66S	18°23'44.02E	Erven
9	DARLING	4781	0	33°21'53.39S	18°23'44.24E	Erven
10	DARLING	4780	0	33°21'53.11S	18°23'44.47E	Erven
11	DARLING	4779	0	33°21'52.84S	18°23'44.69E	Erven
12	DARLING	4778	0	33°21'52.56S	18°23'44.93E	Erven
13	DARLING	4777	0	33°21'52.32S	18°23'45.14E	Erven
14	DARLING	4776	0	33°21'52.06S	18°23'45.35E	Erven
15	DARLING	4775	0	33°21'51.78S	18°23'45.56E	Erven
16	DARLING	4774	0	33°21'51.51S	18°23'45.76E	Erven
17	DARLING	4773	0	33°21'51.22S	18°23'45.99E	Erven
18	DARLING	4772	0	33°21'50.96S	18°23'46.23E	Erven
19	DARLING	4771	0	33°21'50.71S	18°23'46.47E	Erven
20	DARLING	4770	0	33°21'50.45S	18°23'46.7E	Erven

Development footprint¹ vertices:

¹ “development footprint”, means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

No 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	12/12/20/1582/AM4	Wind	Approved	6.4
2	12/12/20/2217/AM3	Wind	Approved	13.6
3	12/12/20/1302/AM5	Wind	Approved	29.6
4	12/12/20/1582	Wind	Approved	6.4
5	12/12/20/1582/AM2	Wind	Approved	6.4
6	12/12/20/2393	Solar PV	Approved	12.3
7	12/12/20/2638	Wind	Approved	15.2
8	12/12/20/1928	Wind	Approved	14.3
9	12/12/20/1302	Wind	Approved	29.6
10	12/12/20/1582/AM3	Wind	Approved	6.4
11	14/12/16/3/3/2/779	Wind	Approved	10.3
12	12/12/20/2384	Solar PV	Approved	29.1
13	12/12/20/1582/A1	Wind	Approved	6.4
14	12/12/20/2217	Wind	Approved	12.7
15	12/12/20/2638/AM2	Wind	Approved	15.2
16	14/12/16/3/3/1/2342	Wind	Approved	14.3
17	12/12/20/2217/AM2	Wind	Approved	13.6
18	12/12/20/2393/AM2	Solar PV	Approved	12.3
19	12/12/20/1985	Solar PV	Approved	12.7
20	12/12/20/2638/AM3	Wind	Approved	15.2

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.

Incentive, restriction or prohibition	Implication
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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 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/GuidanceforHIA.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforPIA.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	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Socio-Economic_Assessment_Protocols.pdf

	Assessment	ssmentProtocols/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

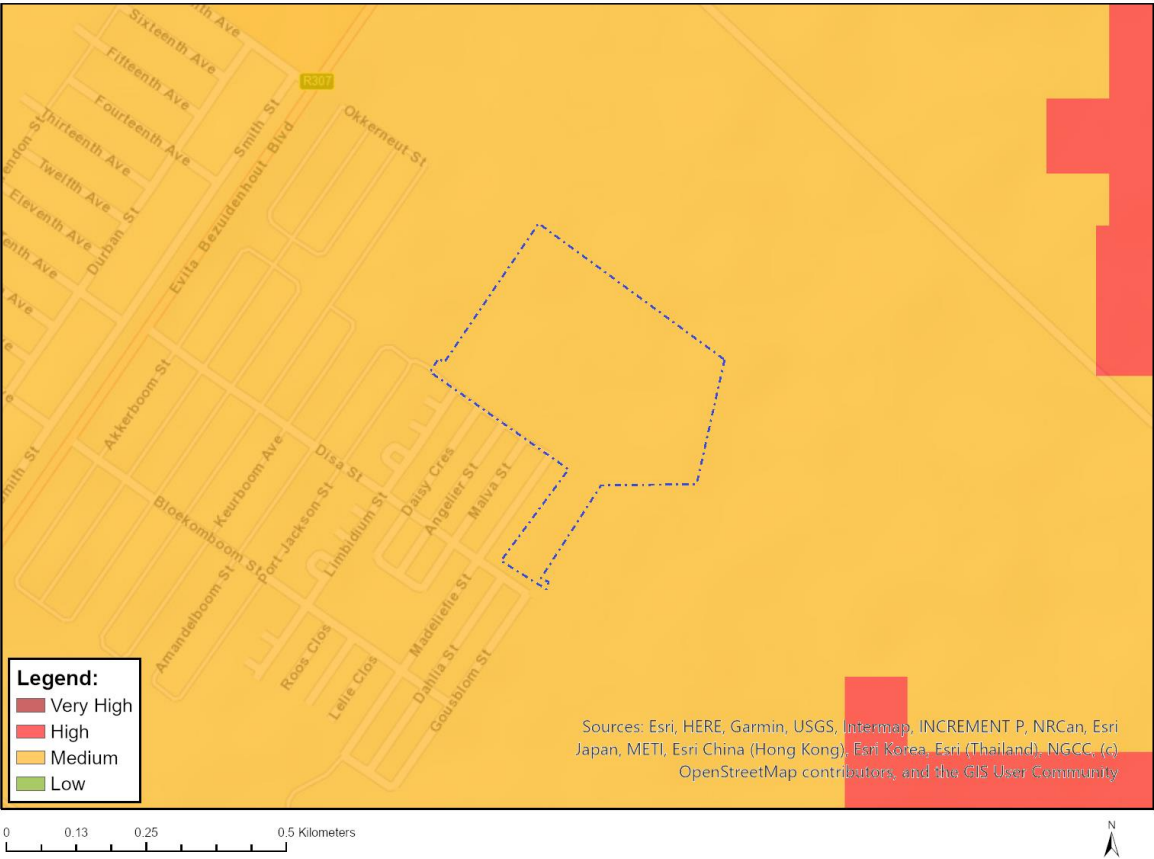


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	08. Moderate
Medium	07. Low-Moderate
Very High	Swartland PAA

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)
Medium	Invertebrate-Pachysoma aesculapius
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
Very High	Within 100m of an Ungraded 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

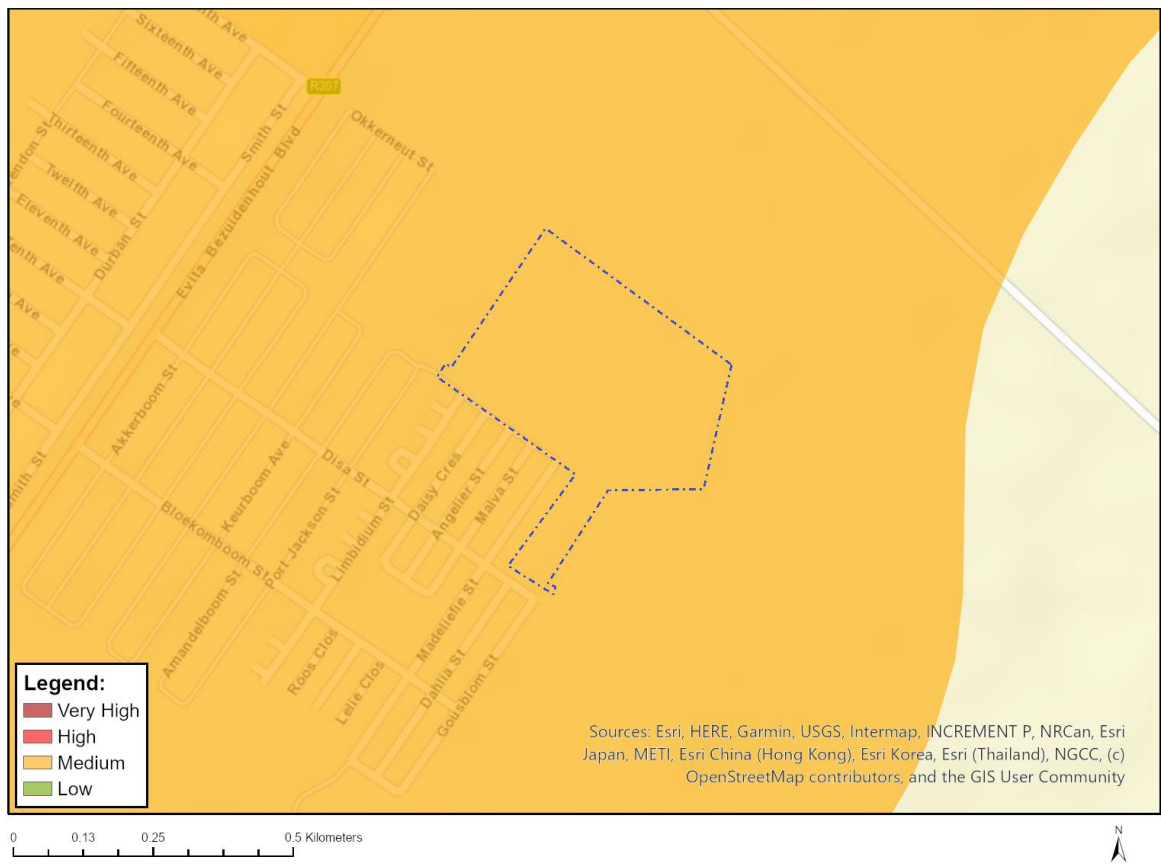


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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)
Medium	Features with a Medium 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 aureus
Medium	Lampranthus coccineus
Medium	Lampranthus dilutus
Medium	Lampranthus filicaulis
Medium	Lampranthus leptaleon
Medium	Lampranthus peacockiae
Medium	Lampranthus scaber
Medium	Lampranthus sociorum
Medium	Lampranthus spiniformis
Medium	Sensitive species 210
Medium	Antimima mucronata

Medium	<i>Antimima aristulata</i>
Medium	<i>Erepsia patula</i>
Medium	<i>Cleretum clavatum</i>
Medium	<i>Ruschia diversifolia</i>
Medium	<i>Ruschia geminiflora</i>
Medium	<i>Drosanthemum hispidifolium</i>
Medium	<i>Cephalophyllum parviflorum</i>
Medium	<i>Xiphotheca lanceolata</i>
Medium	<i>Aspalathus acanthophylla</i>
Medium	<i>Aspalathus aculeata</i>
Medium	<i>Aspalathus lotoides</i> subsp. <i>lagopus</i>
Medium	<i>Aspalathus lotoides</i> subsp. <i>lotoides</i>
Medium	<i>Aspalathus stricticlada</i>
Medium	<i>Lebeckia plukenetiana</i>
Medium	<i>Podalyria sericea</i>
Medium	<i>Leucadendron lanigerum</i> var. <i>lanigerum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>canaliculatum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>hypophyllocarpodendron</i>
Medium	<i>Leucospermum tomentosum</i>
Medium	<i>Protea burchellii</i>
Medium	<i>Roella arenaria</i>
Medium	<i>Microdon capitatus</i>
Medium	<i>Manulea corymbosa</i>
Medium	<i>Lobostemon capitatus</i>
Medium	<i>Echiostachys spicatus</i>
Medium	Sensitive species 267
Medium	Sensitive species 631
Medium	Sensitive species 703
Medium	Sensitive species 919
Medium	Sensitive species 878
Medium	<i>Geissorhiza eurystigma</i>
Medium	<i>Geissorhiza monanthos</i>
Medium	<i>Geissorhiza radians</i>
Medium	<i>Sparaxis parviflora</i>
Medium	<i>Ixia abbreviata</i>
Medium	<i>Ixia curta</i>
Medium	<i>Ixia monadelpha</i>
Medium	<i>Ixia fuscocitrina</i>
Medium	<i>Romulea eximia</i>
Medium	Sensitive species 995
Medium	<i>Pauridia alba</i>
Medium	<i>Pauridia canaliculata</i>
Medium	<i>Pauridia pygmaea</i>
Medium	<i>Hermannia procumbens</i> subsp. <i>myrrhifolia</i>
Medium	Sensitive species 222
Medium	Sensitive species 478
Medium	Sensitive species 756
Medium	<i>Adenogramma rigida</i>
Medium	<i>Wachendorfia brachyandra</i>
Medium	Sensitive species 133
Medium	<i>Anisodonteia biflora</i>
Medium	Sensitive species 985
Medium	<i>Pterygodium cruciferum</i>
Medium	<i>Pterygodium inversum</i>
Medium	<i>Metalasia capitata</i>
Medium	<i>Metalasia octoflora</i>
Medium	<i>Senecio cadiscus</i>
Medium	<i>Athanasia rugulosa</i>
Medium	Sensitive species 1042
Medium	<i>Agathosma glandulosa</i>

Medium	Agathosma latipetala
Medium	Adenandra villosa subsp. biseriata
Medium	Macrostylis villosa subsp. villosa
Medium	Limonium purpuratum
Medium	Muraltia macropetala
Medium	Sensitive species 782
Medium	Sensitive species 158
Medium	Sensitive species 616
Medium	Wurmbea capensis
Medium	Phylica stenopetala var. stenopetala
Medium	Phylica strigulosa
Medium	Phylica thunbergiana
Medium	Ezoloba macrocarpa
Medium	Lampranthus debilis
Medium	Lampranthus glaucus
Medium	Xiphotheca reflexa
Medium	Aponogeton fugax
Medium	Sensitive species 593
Medium	Sensitive species 335
Medium	Sensitive species 599
Medium	Restio rigoratus
Medium	Cotula pusilla
Medium	Sensitive species 1225

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity

High sensitivity

Medium sensitivity

Low sensitivity

X			
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Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA: Terrestrial
Very High	EN_Swartland Granite Renosterveld