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

EIA Reference number: n/a

Project name: De Hoop / Malmesbury 132 kV OHL **Project title:** De Hoop / Malmesbury 132 kV OHL

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Applicant: Swartland Municipality

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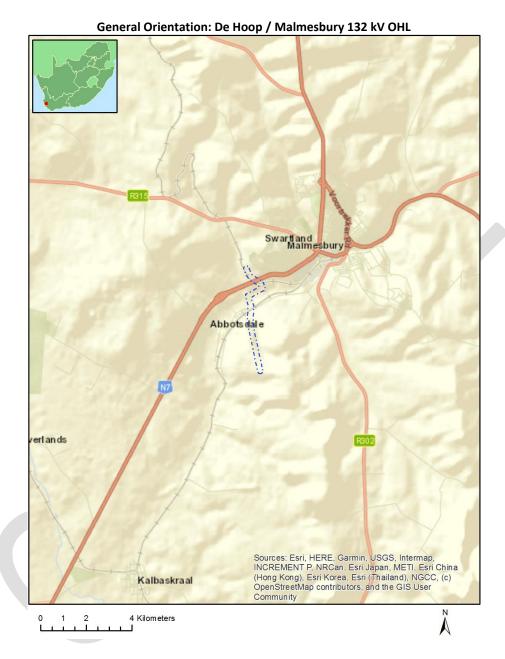
Application Category: Utilities Infrastructure | Electricity | Distribution and Transmission | Powerline

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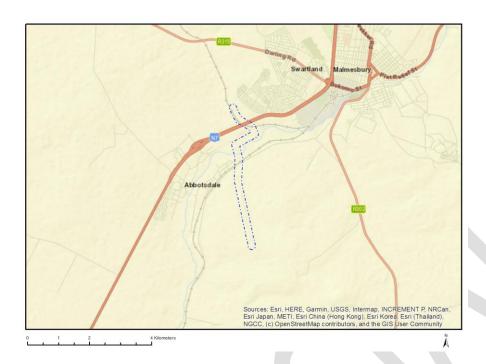
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Proposed Project Location

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	Portion	Latitude	Longitude	Property
		No				Туре
1	ABBOTSDALE	373	0	33°29'49.33S	18°41'15.21E	Erven
2	ABBOTSDALE	311	0	33°29'35.93S	18°40'52.79E	Erven
3	MALMESBURY	11217	0	33°28'29.32S	18°41'47.85E	Erven
4	MALMESBURY	12496	0	33°28'29.82S	18°41'47.84E	Erven
5	MALMESBURY	12567	0	33°28'20.68S	18°41'33.25E	Erven
6	MALMESBURY	12567	0	33°28'20.23S	18°41'33.39E	Erven
7	MALMESBURY	12081	0	33°28'28.48S	18°41'43.58E	Erven
8	MALMESBURY	12566	0	33°28'20.34S	18°41'33.4E	Erven
9	MALMESBURY	12527	0	33°28'14.3S	18°41'30.96E	Erven
10	OLYPHANTS	766	0	33°28'23.88S	18°41'36.11E	Farm
	FONTYN					
11		1113	0	33°28'39.28S	18°41'24.85E	Farm
12		1113	0	33°29'26.97S	18°42'0.37E	Farm
13	AMOSKUIL	997	0	33°30'27.55S	18°40'53.28E	Farm
14	OLYPHANTS FONTYN	766	0	33°28'56.86S	18°41'42.04E	Farm
15	OLYPHANTS FONTYN	766	20	33°28'31.56S	18°41'32.56E	Farm Portion
16	OLYPHANTS FONTYN	766	14	33°28'32.12S	18°41'35.22E	Farm Portion
17	OLYPHANTS FONTYN	766	15	33°28'23.16S	18°41'35.99E	Farm Portion
18		1113	0	33°28'47.13S	18°41'34.22E	Farm Portion
19		1113	1	33°28'25.28S	18°40'59.99E	Farm Portion
20	OLYPHANTS	766	19	33°28'31.72S	18°41'31.62E	Farm Portion
	FONTYN					
21	OLYPHANTS	766	8	33°28'33.14S	18°41'37.13E	Farm Portion

	FONTYN					
22		1113	1	33°28'19.67S	18°40'53.32E	Farm Portion
23	OLYPHANTS FONTYN	766	13	33°28'33.39S	18°41'43.37E	Farm Portion
24	OLYPHANTS FONTYN	766	10	33°28'32.84S	18°41'33.12E	Farm Portion
25	OLYPHANTS FONTYN	766	22	33°28'27.98S	18°41'41.82E	Farm Portion
26	OLYPHANTS FONTYN	766	14	33°28'29.97S	18°41'30.43E	Farm Portion
27	OLYPHANTS FONTYN	766	14	33°28'32.52S	18°41'36.49E	Farm Portion
28	OLYPHANTS FONTYN	766	24	33°28'30.49S	18°41'33.48E	Farm Portion
29		1113	0	33°28'46.28S	18°41'34.23E	Farm Portion
30	AMOSKUIL	997	0	33°30'30.13S	18°41'32.23E	Farm Portion
31		1113	0	33°29'26.97S	18°42'0.37E	Farm Portion
32	OLYPHANTS FONTYN	766	21	33°28'31.33S	18°41'33.02E	Farm Portion
33	OLYPHANTS FONTYN	766	8	33°28'33.08S	18°41'39.35E	Farm Portion
34	OLYPHANTS FONTYN	766	8	33°28'21.7S	18°41'22.99E	Farm Portion
35	OLYPHANTS FONTYN	766	18	33°28'55.58S	18°41'44.24E	Farm Portion
36	OLYPHANTS FONTYN	766	10	33°28'33.11S	18°41'33.18E	Farm Portion
37		1113	4	33°28'35.35S	18°41'19.1E	Farm Portion
38	OLYPHANTS FONTYN	766	8	33°28'31.11S	18°41'31.34E	Farm Portion
39	OLYPHANTS FONTYN	766	10	33°28'30.42S	18°41'29.58E	Farm Portion
40	OLYPHANTS FONTYN	766	15	33°28'29.16S	18°41'31.91E	Farm Portion

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	Classification	Status of	Distance from proposed
	No		application	area (km)
1	12/12/20/1985	Solar PV	Approved	23.3
2	12/12/20/2217	Wind	Approved	27.6
3	12/12/20/2638/AM3	Wind	Approved	18.6
4	12/12/20/2638/AM2	Wind	Approved	18.6
5	12/12/20/2109/AM1	Solar PV	Approved	10.6
6	12/12/20/2393/AM2	Solar PV	Approved	22.8

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.

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7	12/12/20/2384	Solar PV	Approved	4.5
8	12/12/20/2109/AM3	Solar PV	Approved	10.6
9	12/12/20/2217/AM2	Wind	Approved	27.6
10	12/12/20/2393	Solar PV	Approved	22.8
11	12/12/20/2638	Wind	Approved	18.6
12	12/12/20/2109/AM2	Solar PV	Approved	10.6
13	12/12/20/2109	Solar PV	Approved	10.6
14	12/12/20/2400	Solar PV	Approved	29.9
15	12/12/20/2400/AM2	Solar PV	Approved	29.9
16	12/12/20/2217/AM3	Wind	Approved	27.6

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: **Utilities Infrastructure | Electricity | Distribution and Transmission | Powerline**.

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
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
South African Conservation Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SACAD OR 2023 Q4 Metadata.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	Χ			

Animal Species Theme			Х	
Aquatic Biodiversity Theme	Χ			
Archaeological and Cultural				Х
Heritage Theme				
Civil Aviation Theme		Х		
Defence Theme				Х
Paleontology Theme			Х	
Plant Species Theme			Х	
Terrestrial Biodiversity Theme	Х			

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	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
4	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted Aquatic Biodiversity Assessment Pr otocols.pdf
7	Avian Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted Avifauna Assessment Protocols.pdf
8	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted Civil Aviation Installations Assessme nt Protocols.pdf
9	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted General Requirement Assessment P rotocols.pdf
10	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted_General_Requirement_Assessment_P rotocols.pdf
11	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GazettedPlantSpeciesAssessmentProtocols.pdf

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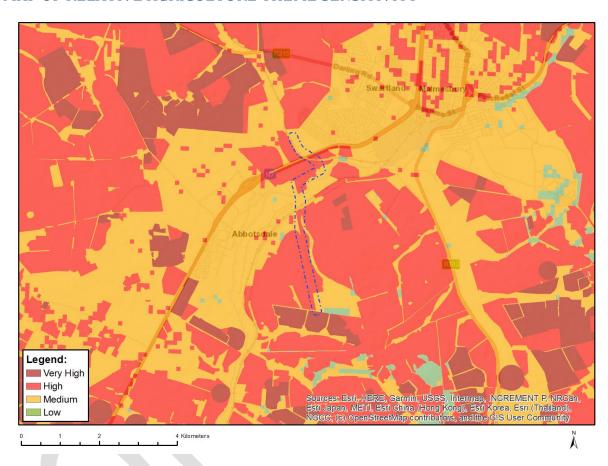
12	Animal Species	https://screening.environment.gov.za/ScreeningDownloads/Asse
	Assessment	ssmentProtocols/Gazetted Animal Species Assessment Protoco
		<u>ls.pdf</u>



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.

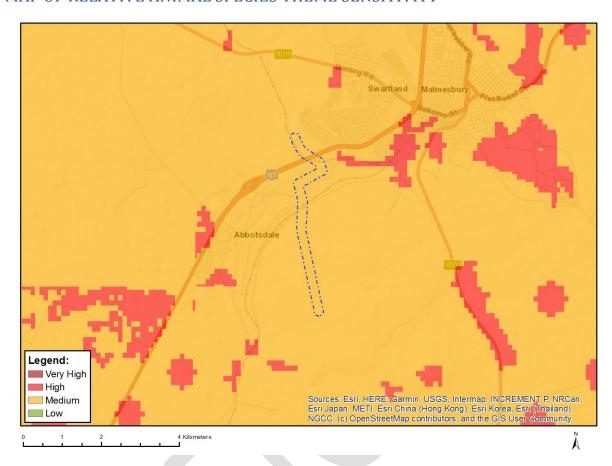
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	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
Very High	Viticulture;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

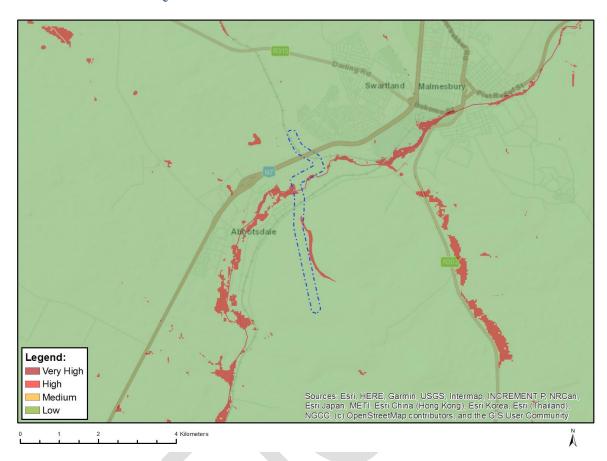


Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Feature(s)	
Medium	Invertebrate-Pachysoma aesculapius	
Medium	Invertebrate-Aneuryphymus montanus	

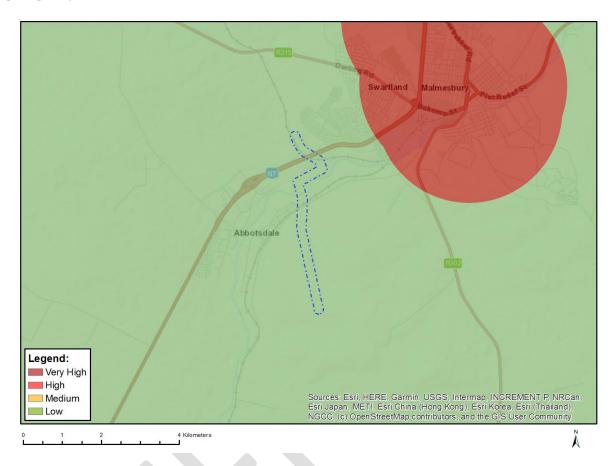
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	CBA 1: Aquatic
Very High	ESA 1: Aquatic
Very High	Rivers_C
Very High	Wetlands_West Coast Renosterveld Bioregion (Depression)

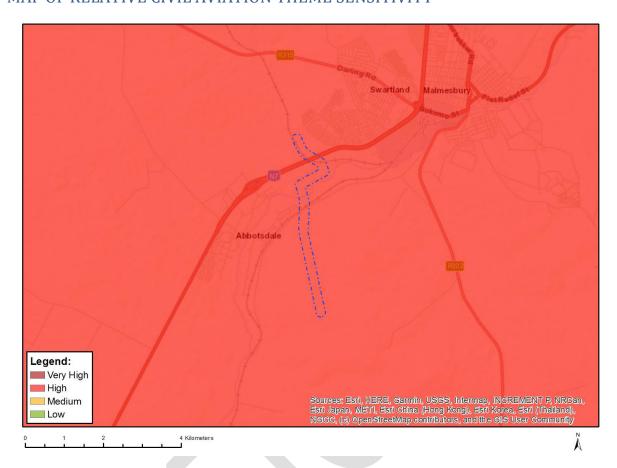
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)	
Low	Low sensitivity	

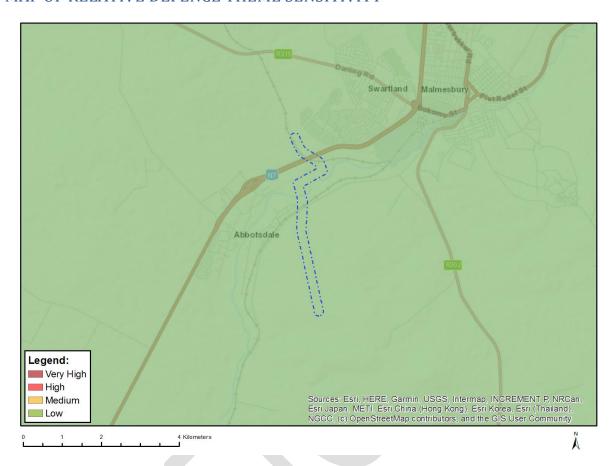
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
High	Dangerous and restricted airspace as demarcated

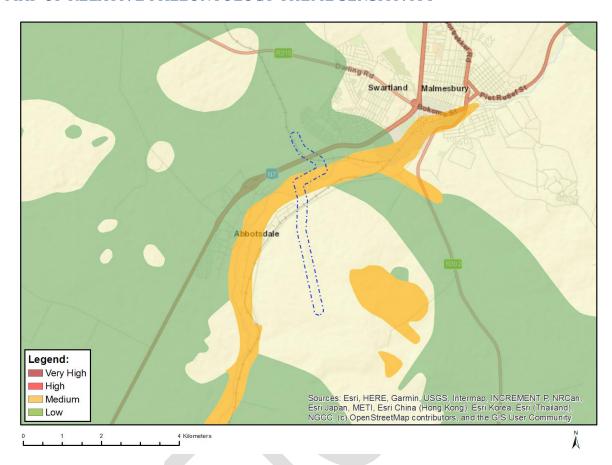
MAP OF RELATIVE DEFENCE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)	
Low	Low Sensitivity	

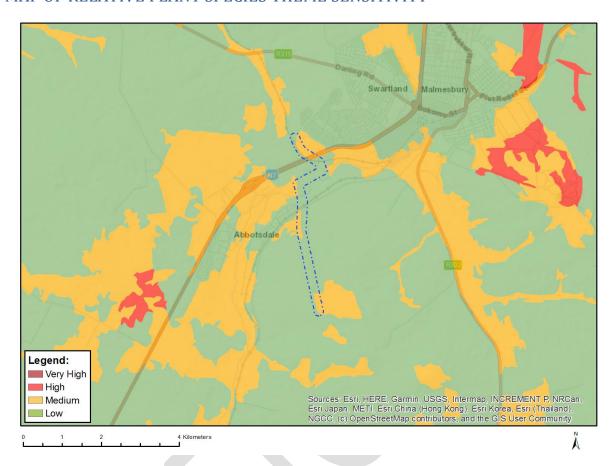
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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

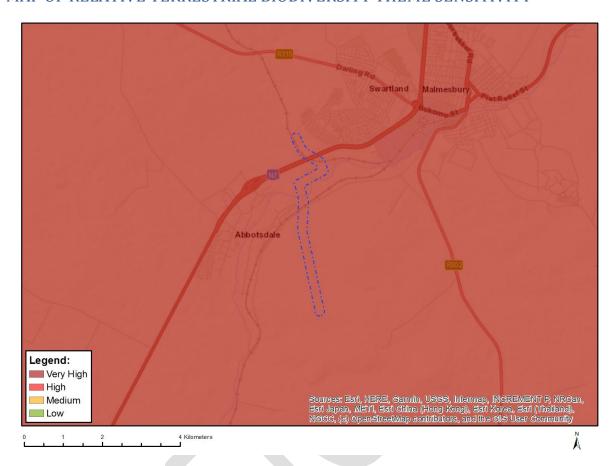
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		Х	

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	Sensitive species 210
Medium	Sensitive species 244
Medium	Antimima mucronata

Г	
Medium	Antimima aristulata
Medium	Erepsia patula
Medium	Erepsia ramosa
Medium	Cleretum clavatum
Medium	Ruschia diversifolia
Medium	Ruschia geminiflora
Medium	Ruschia schollii
Medium	Drosanthemum hispifolium
Medium	Cephalophyllum parviflorum
Medium	Xiphotheca lanceolata
Medium	Indigofera psoraloides
Medium	Aspalathus acanthophylla
Medium	Aspalathus aculeata
Medium	Aspalathus araneosa
Medium	Aspalathus glabrata
Medium	Aspalathus horizontalis
Medium	Aspalathus lotoides subsp. lotoides
Medium	Aspalathus muraltioides
Medium	Aspalathus murantoness Aspalathus puberula
Medium	Aspalathus rycroftii
Medium	Aspalathus rycrottii Aspalathus stricticlada
-	
Medium	Aspalathus wurmhoone
Medium	Aspalathus wurmbeana
Medium	Rafnia lancea
Medium	Rafnia angulata subsp. ericifolia
Medium	Lebeckia plukenetiana
Medium	Podalyria microphylla
Medium	Podalyria sericea
Medium	Lotononis densa subsp. densa
Medium	Leucadendron corymbosum
Medium	Leucadendron lanigerum var. lanigerum
Medium	Leucadendron stellare
Medium	Leucadendron thymifolium
Medium	Leucospermum grandiflorum
Medium	Leucospermum hypophyllocarpodendron subsp. canaliculatum
Medium	Leucospermum hypophyllocarpodendron subsp. hypophyllocarpodendron
Medium	Leucospermum parile
Medium	Leucospermum tomentosum
Medium	Protea burchellii
Medium	Diastella proteoides
Medium	Serruria brownii
Medium	Serruria incrassata
Medium	Serruria linearis
Medium	Serruria roxburghii
Medium	Merciera tetraloba
Medium	
Medium	Roella arenaria
	Roella arenaria Treichelia dodii
Medium	Treichelia dodii
Medium Medium	Treichelia dodii Manulea corymbosa
Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii
Medium Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides
Medium Medium Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium
Medium Medium Medium Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus
Medium Medium Medium Medium Medium Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus Echiostachys incanus
Medium Medium Medium Medium Medium Medium Medium Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus Echiostachys incanus Echiostachys spicatus
Medium Medium Medium Medium Medium Medium Medium Medium Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus Echiostachys incanus Echiostachys spicatus Aristea lugens
Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus Echiostachys incanus Echiostachys spicatus Aristea lugens Hesperantha spicata subsp. spicata
Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus Echiostachys incanus Echiostachys spicatus Aristea lugens Hesperantha spicata subsp. spicata Hesperantha sufflava
Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus Echiostachys incanus Echiostachys spicatus Aristea lugens Hesperantha spicata subsp. spicata Hesperantha sufflava Sensitive species 14
Medium	Treichelia dodii Manulea corymbosa Pentameris bachmannii Pentameris pholiuroides Anthospermum ericifolium Lobostemon capitatus Echiostachys incanus Echiostachys spicatus Aristea lugens Hesperantha spicata subsp. spicata Hesperantha sufflava

NA - di	Albanastananaka
Medium	Athanasia crenata
Medium	Athanasia rugulosa
Medium	Sensitive species 1042
Medium	Arctotheca forbesiana
Medium	Agathosma corymbosa
Medium	Agathosma glandulosa
Medium	Agathosma latipetala
Medium	Macrostylis villosa subsp. villosa
Medium	Cliffortia acockii
Medium	Cliffortia hirta
Medium	Limonium purpuratum
Medium	Muraltia decipiens
Medium	Muraltia macropetala
Medium	Sensitive species 1218
Medium	Sensitive species 1135
Medium	Sensitive species 382
Medium	Sensitive species 782
Medium	Sensitive species 158
Medium	Sensitive species 723
Medium	Sensitive species 616
Medium	Wurmbea capensis
Medium	Wurmbea inusta
Medium	Phylica stenopetala var. stenopetala
Medium	Phylica strigulosa
Medium	Phylica thunbergiana
Medium	Ezoloba macrocarpa
Medium	Codonorhiza azurea
Medium	Lampranthus debilis
Medium	Lampranthus glaucus
Medium	Drosanthemum striatum
Medium	Xiphotheca reflexa
Medium	Psoralea alata
Medium	Aspalathus recurva
Medium	Aponogeton fugax
Medium	Leucospermum rodolentum
Medium	Sensitive species 593
Medium	Sensitive species 335
Medium	Sensitive species 599
Medium	Elegia squamosa
Medium	Restio paludosus
Medium	Restio rigoratus
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	Feature(s)	
Very High	ESA 2: Restore from other land use	
Very High	CBA 1: Terrestrial	
Very High	VU_Swartland Alluvium Renosterveld	
Very High	EN_Swartland Granite Renosterveld	
Very High	CR_Swartland Shale Renosterveld	