

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

EIA Reference number: N/A

Project name: Wolseley Water Supply Pipeline

Project title: Wolseley Water Supply Pipeline

Date screening report generated: 06/11/2022 11:58:32

Applicant: Witzenberg Local Municipality

Compiler: EnviroAfrica

Compiler signature:
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Application Category: Services|Water services|Treatment and Waste Water

Table of Contents

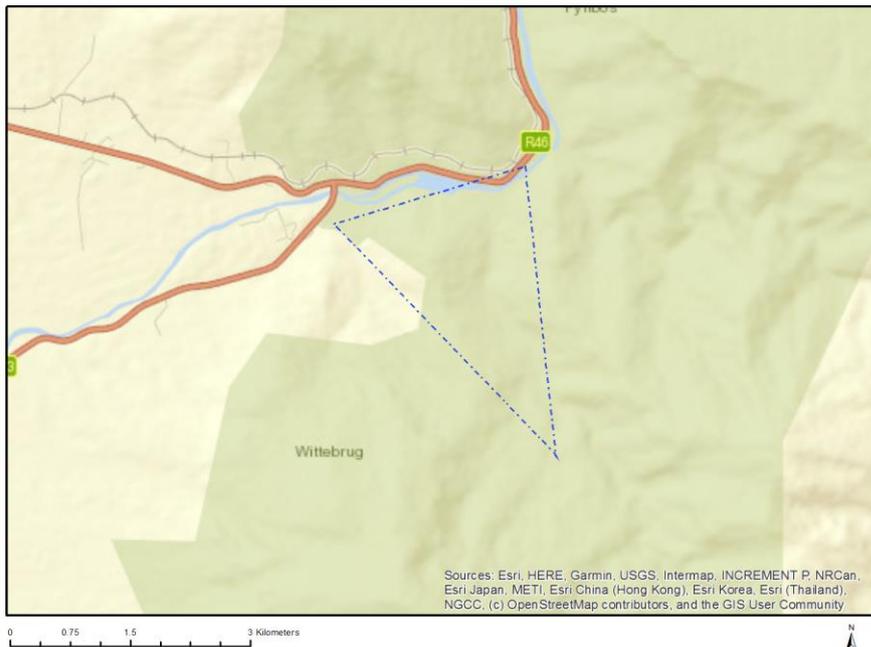
- Proposed Project Location 3
 - Orientation map 1: General location 3
- Map of proposed site and relevant area(s) 4
 - Cadastral details of the proposed site 4
 - Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area 4
 - Environmental Management Frameworks relevant to the application 5
- Environmental screening results and assessment outcomes 5
 - Relevant development incentives, restrictions, exclusions or prohibitions 5
- Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones 6
 - Proposed Development Area Environmental Sensitivity 6
 - Specialist assessments identified 7
- Results of the environmental sensitivity of the proposed area 9
 - MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY 9
 - MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY 10
 - MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY 11
 - MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY 12
 - MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY 13
 - MAP OF RELATIVE DEFENCE THEME SENSITIVITY 14
 - MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY 15
 - MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY 16
 - MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY 19

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	CERES	1887	0	33°26'11.09S	19°18'4.35E	Erven
2	CERES	6246	0	33°25'7.23S	19°16'3.33E	Erven
3	CERES	1886	0	33°25'15.77S	19°16'28.19E	Erven
4	CERES	1886	0	33°25'30.73S	19°16'41.85E	Erven
5	WOLVEKLOOF	288	0	33°25'48.51S	19°16'16.14E	Farm
6	WHITE BRIDGE	291	0	33°25'28.49S	19°15'53.42E	Farm
7	WOLVEKLOOF	288	2	33°25'44.68S	19°16'24.26E	Farm Portion
8	WOLVEKLOOF	288	1	33°25'48.76S	19°16'11.86E	Farm Portion
9	WOLVEKLOOF	288	3	33°25'52.85S	19°16'24.97E	Farm Portion
10	WHITE BRIDGE	291	0	33°25'25.44S	19°15'55.72E	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

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	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2394	Solar PV	Approved	8

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:

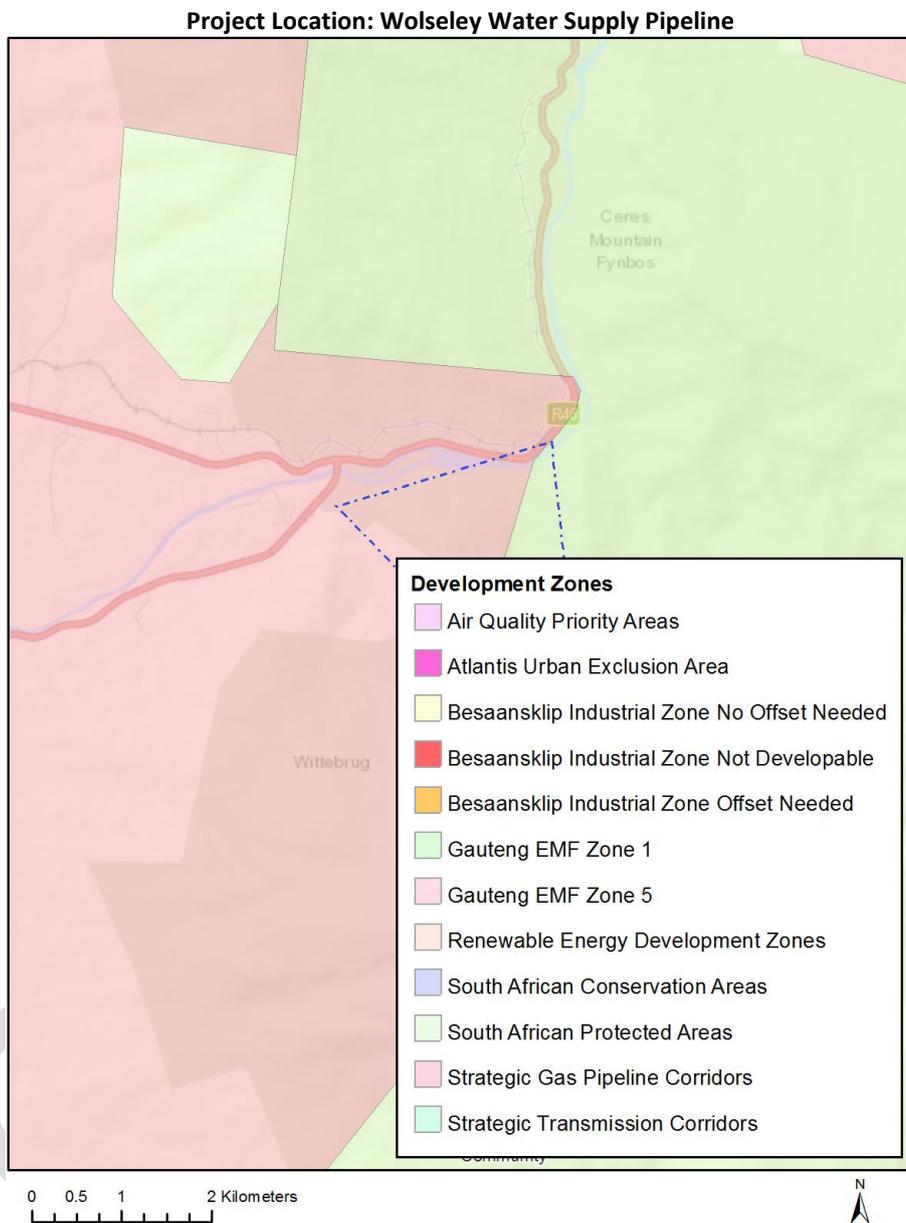
Services | Water services | Treatment and Waste Water.

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 Protected Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPAD_OR_2022_Q2_Metadata.pdf

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones



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 environmental sensitivities of the proposed development footprint, 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.

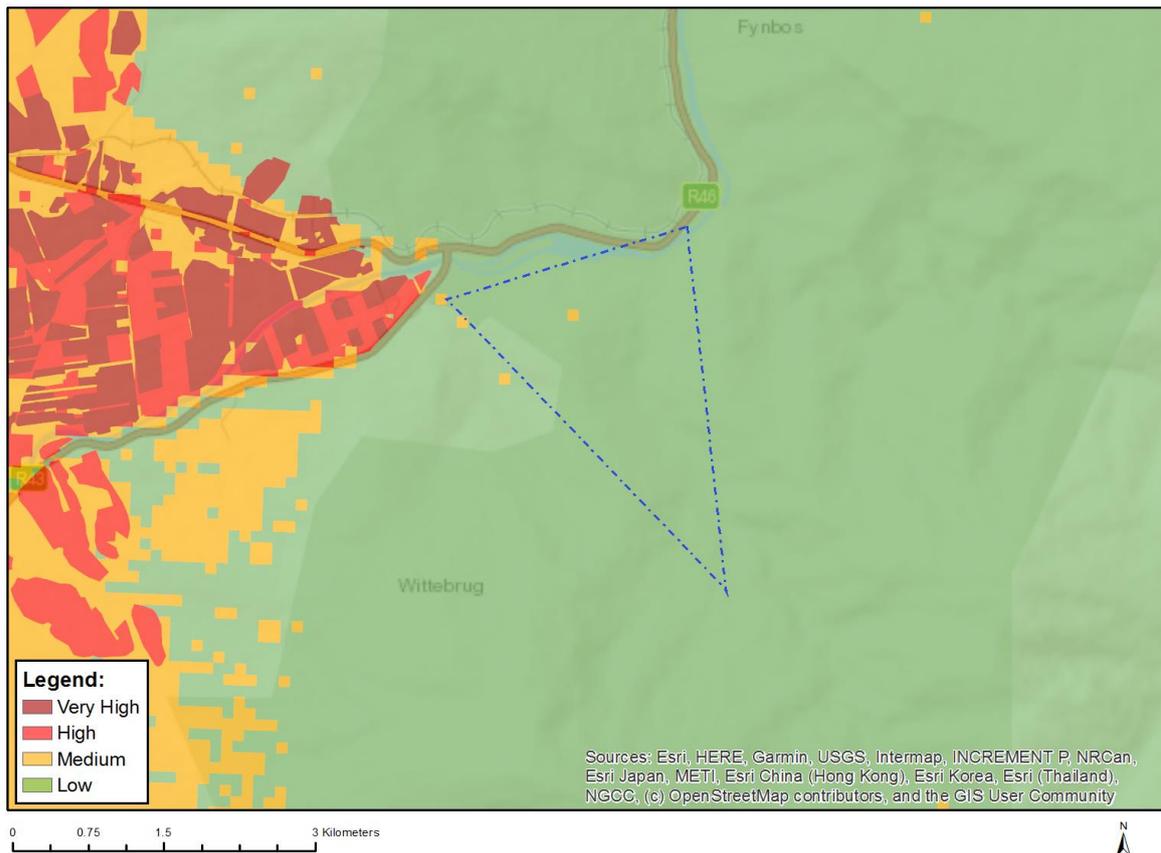
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_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	Hydrology Assess	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf

	ment	
7	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
8	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
9	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
12	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

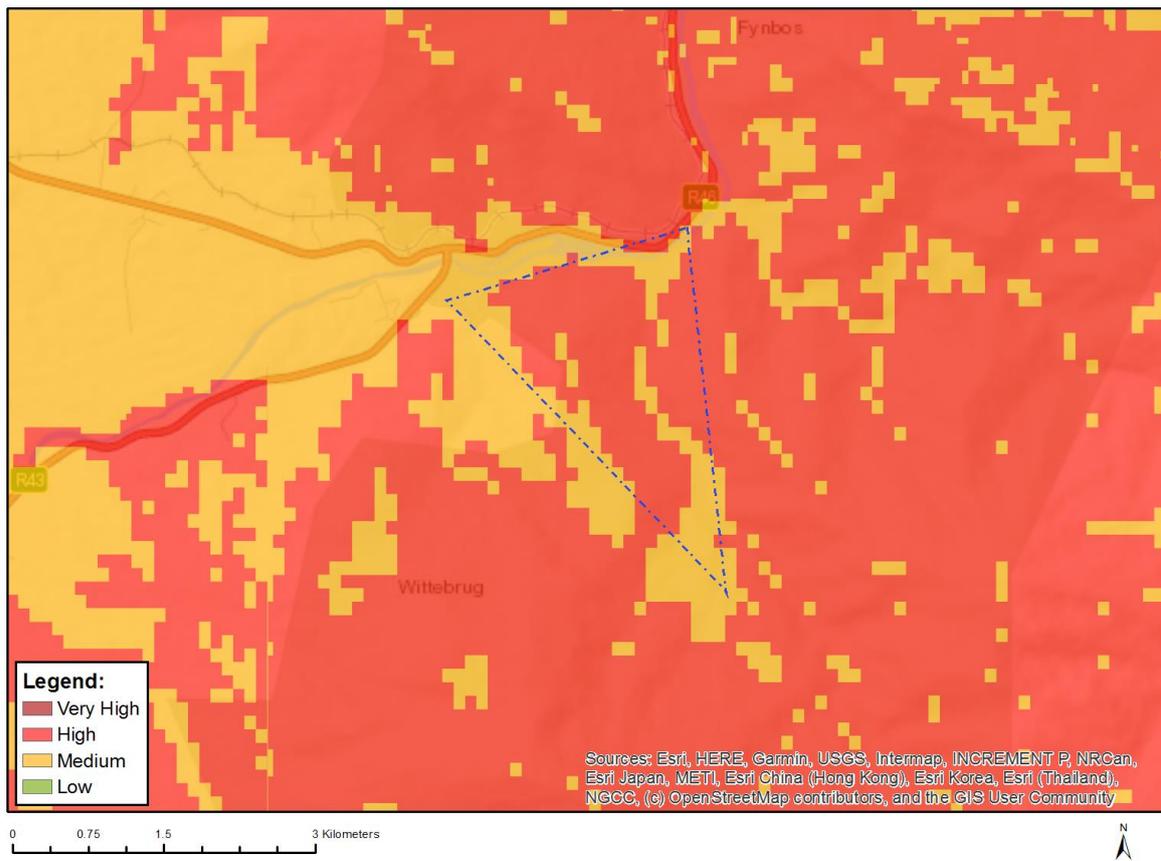


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
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



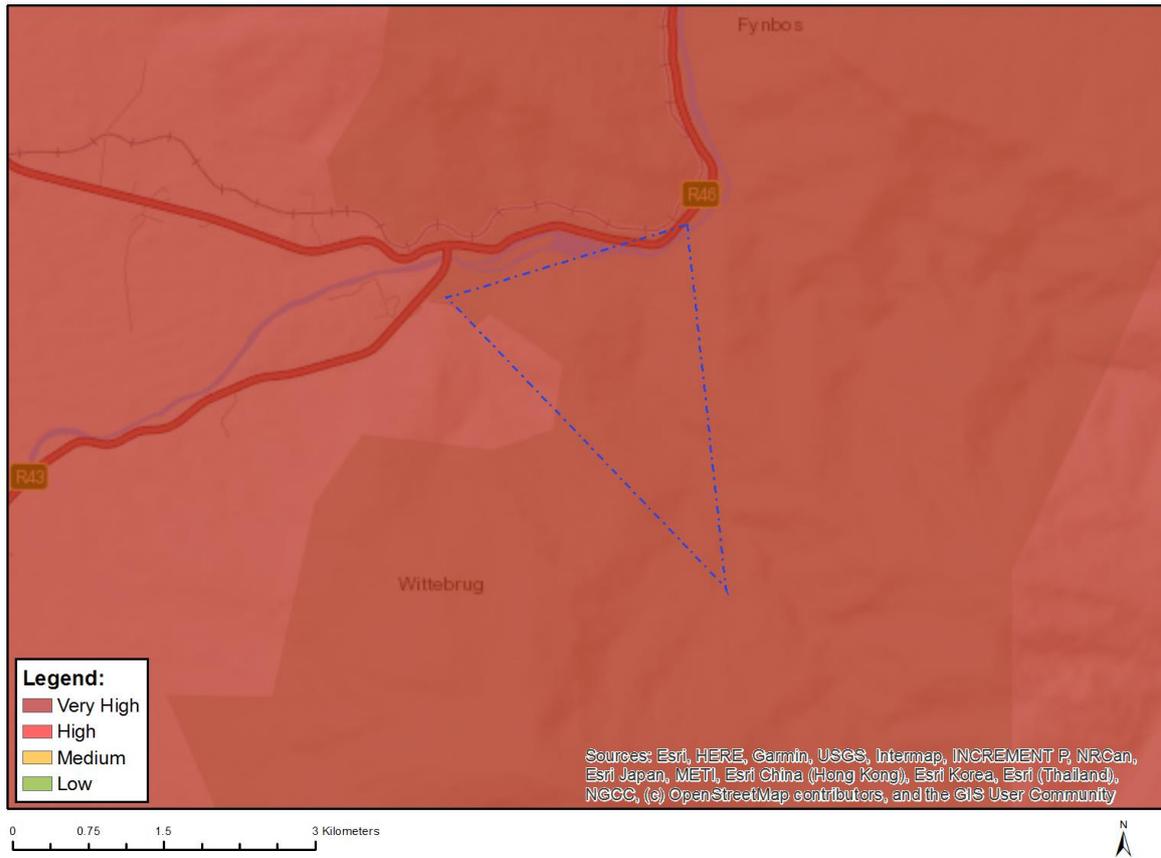
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at aiadatarequests@sanbi.org.za listing all sensitive species with their 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-Aquila verreauxii
Medium	Aves-Circus maurus
Medium	Invertebrate-Conocephalus peringueyi
Medium	Invertebrate-Brinckiella aptera
Medium	Invertebrate-Conocephalus vaginalis

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

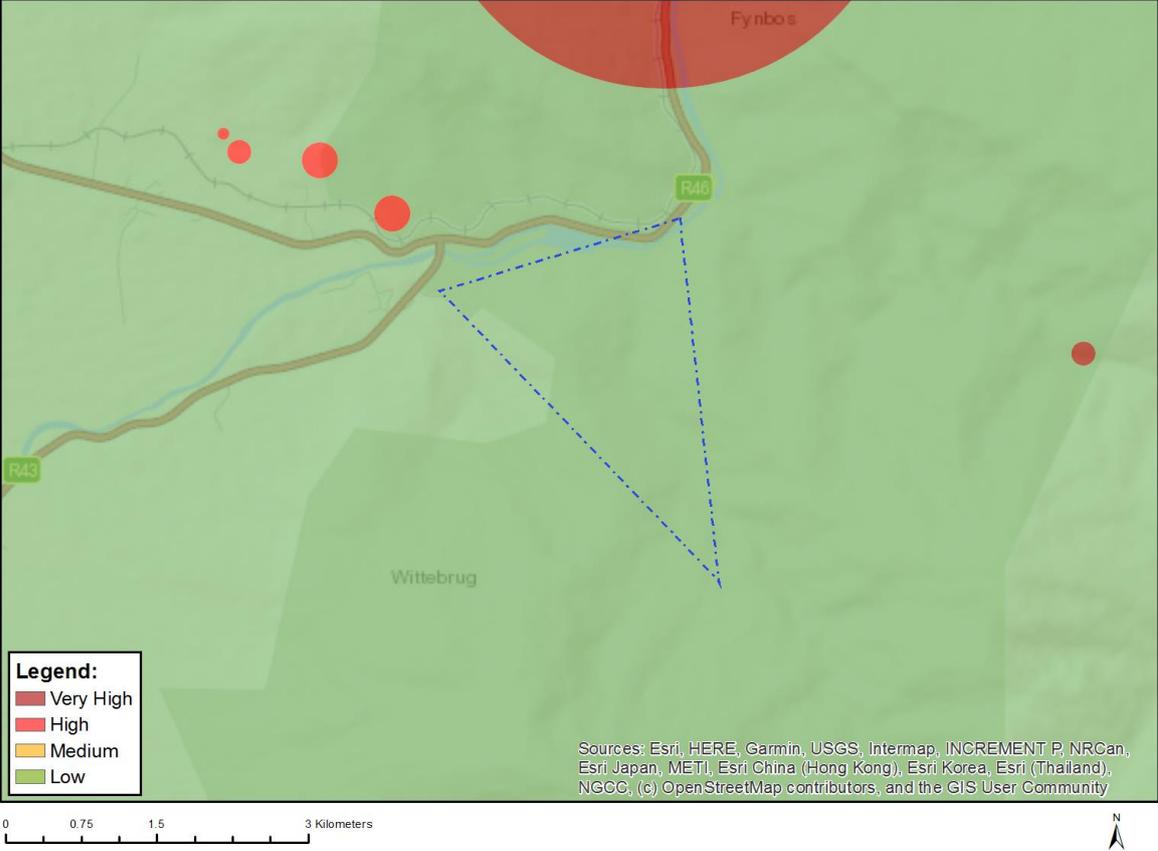


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Aquatic CBAs
Very High	Rivers
Very High	Strategic water source area
Very High	Wetlands and Estuaries

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

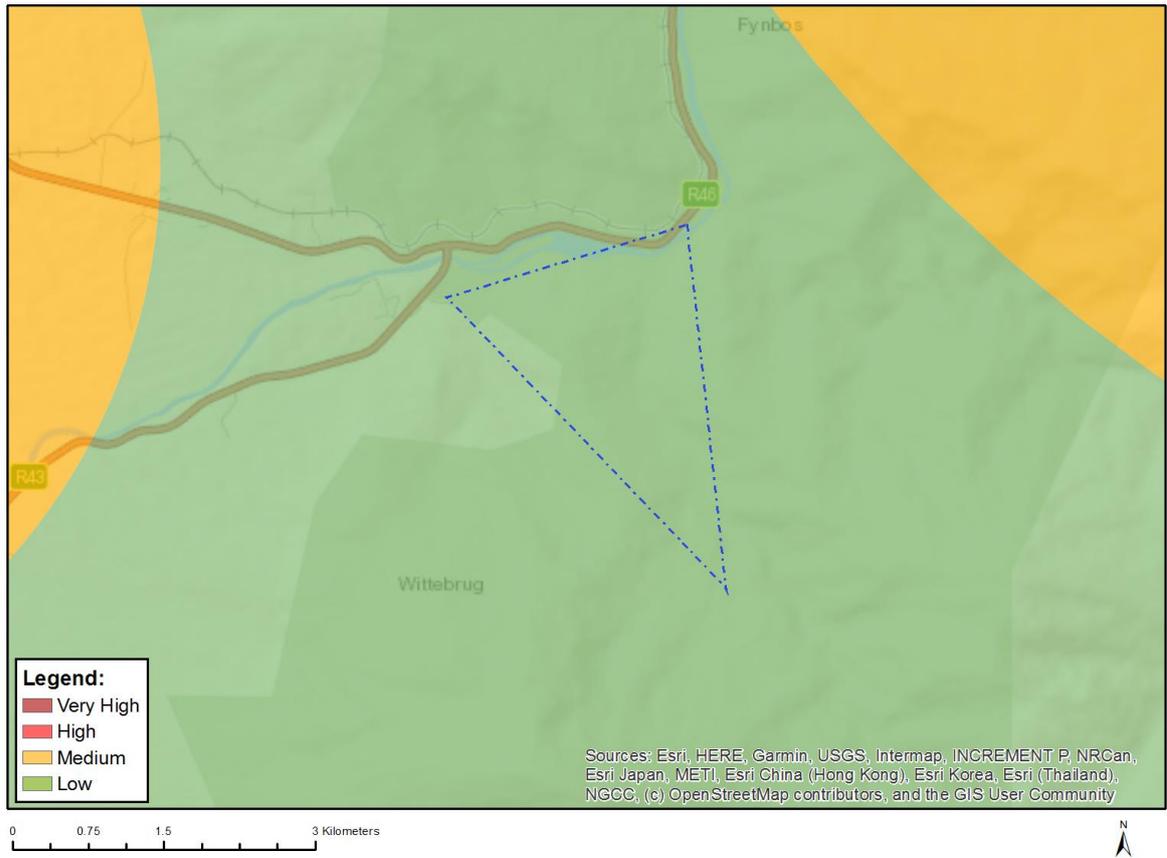


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

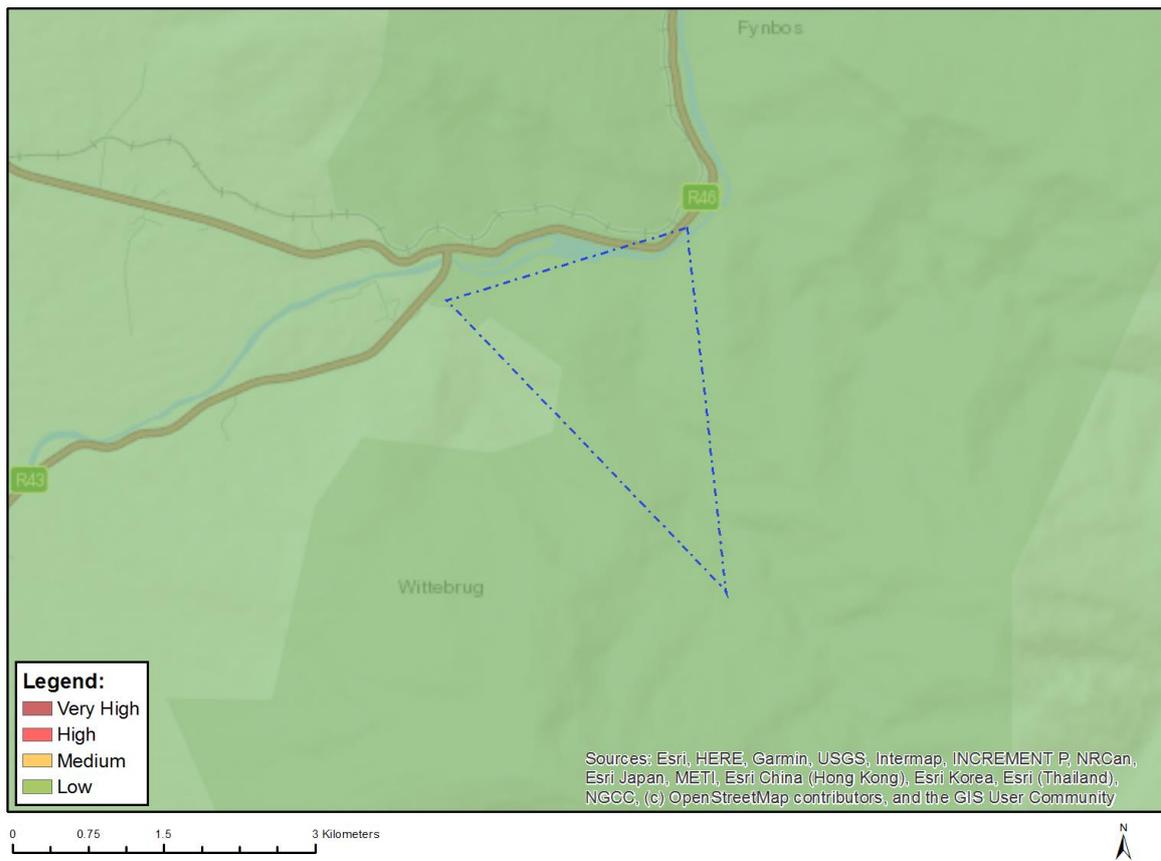


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

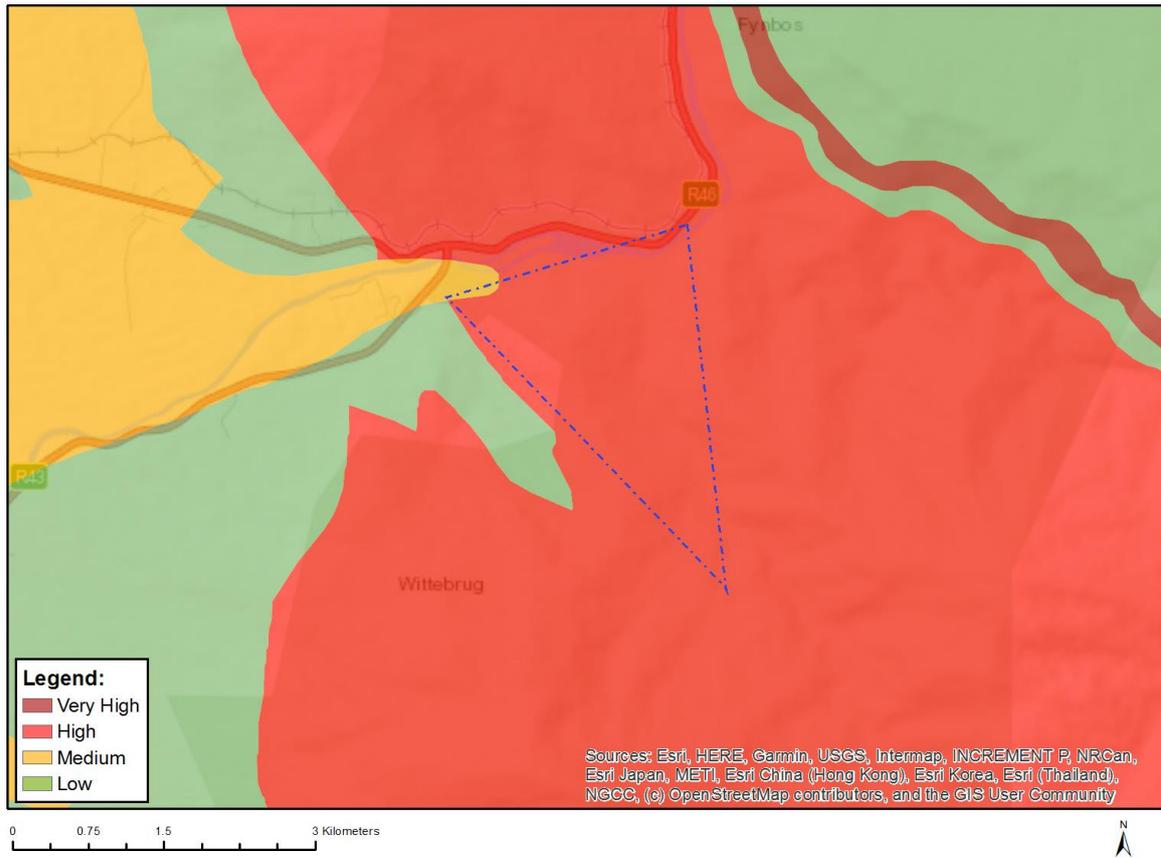


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

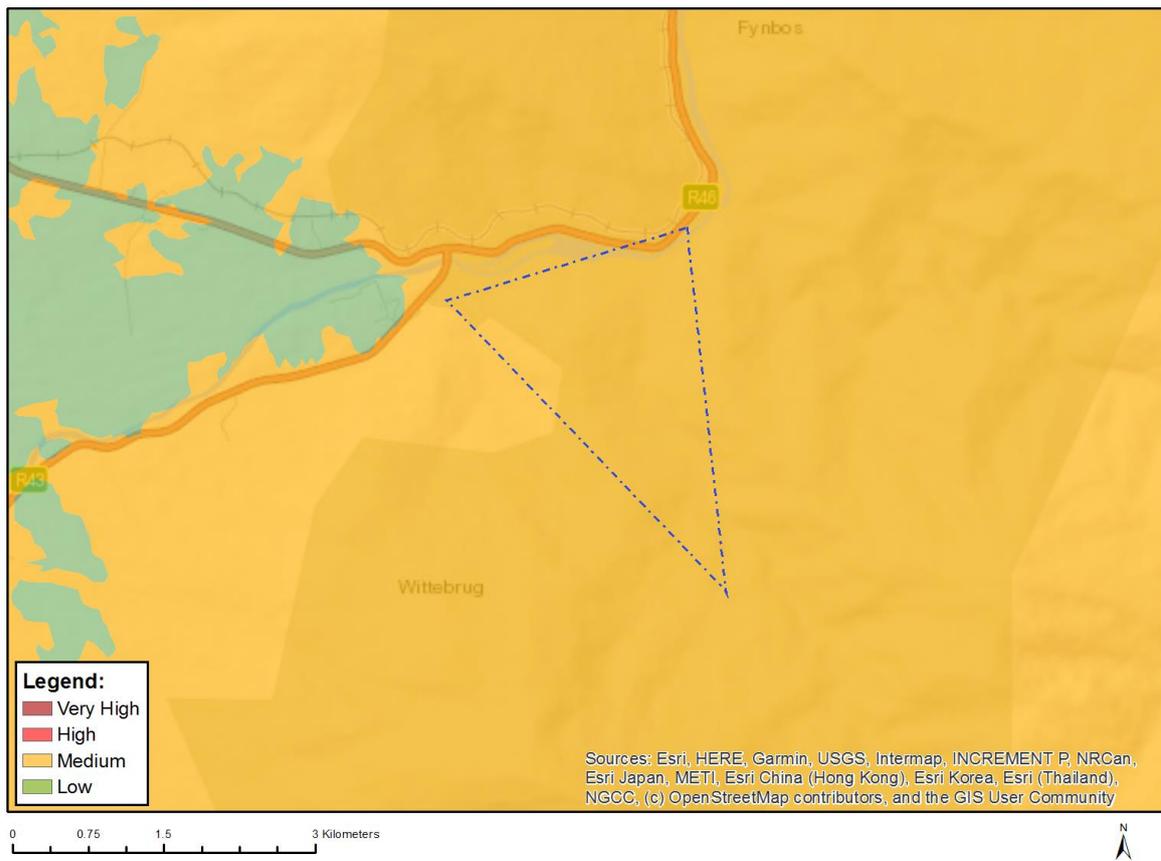


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Features with a High 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
		X	

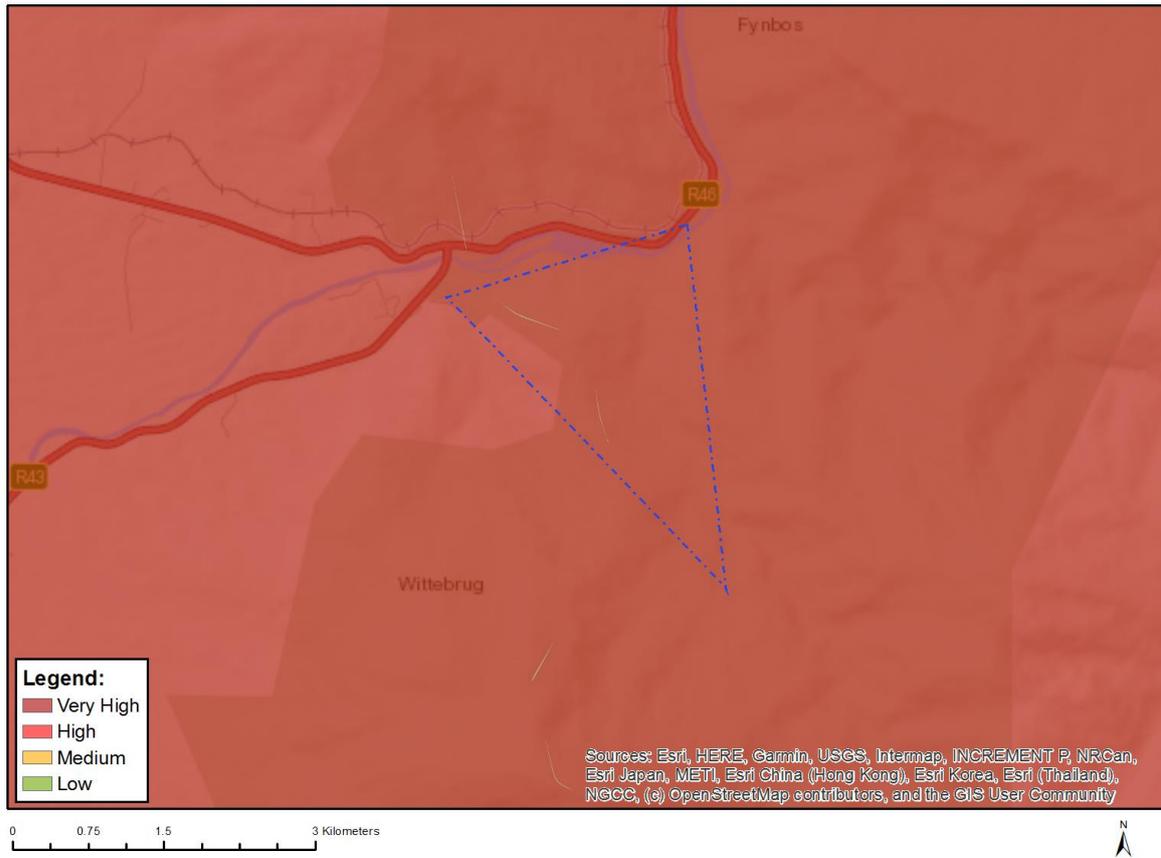
Sensitivity Features:

Sensitivity	Feature(s)
Medium	Lampranthus aureus
Medium	Lampranthus filicaulis
Medium	Lampranthus leptaleon
Medium	Lampranthus peacockiae
Medium	Lampranthus scaber
Medium	Lampranthus spiniformis
Medium	Lampranthus stenopetalus
Medium	Sensitive species 1229
Medium	Ruschia diversifolia
Medium	Drosanthemum hispifolium
Medium	Xiphotheca lanceolata
Medium	Aspalathus aculeata
Medium	Aspalathus amoena

Medium	<i>Aspalathus lanifera</i>
Medium	<i>Aspalathus muraltioides</i>
Medium	<i>Aspalathus tulbaghensis</i>
Medium	<i>Otholobium</i> sp. nov. (Stirton & Zantovska 11281 NBG)
Medium	<i>Rafnia lancea</i>
Medium	<i>Lebeckia grandiflora</i>
Medium	<i>Lebeckia plukenetiana</i>
Medium	<i>Podalyria cordata</i>
Medium	<i>Brunia myrtoides</i>
Medium	<i>Brunia powrieae</i>
Medium	<i>Leucadendron chamelaea</i>
Medium	<i>Leucadendron corymbosum</i>
Medium	<i>Leucadendron gydoense</i>
Medium	<i>Leucadendron lanigerum</i> var. <i>laevigatum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>canaliculatum</i>
Medium	<i>Protea burchellii</i>
Medium	<i>Protea pityphylla</i>
Medium	<i>Protea scorzonerifolia</i>
Medium	<i>Spatalla caudata</i>
Medium	<i>Diastella parilis</i>
Medium	<i>Serruria candicans</i>
Medium	<i>Thesmophora scopulosa</i>
Medium	Sensitive species 794
Medium	<i>Phyllopodium alpinum</i>
Medium	<i>Pseudoselago quadrangularis</i>
Medium	<i>Pentameris bachmannii</i>
Medium	<i>Pentameris caulescens</i>
Medium	<i>Lobostemon capitatus</i>
Medium	<i>Echiostachys incanus</i>
Medium	<i>Aristea nigrescens</i>
Medium	<i>Tritoniopsis elongata</i>
Medium	<i>Hesperantha spicata</i> subsp. <i>spicata</i>
Medium	Sensitive species 1134
Medium	<i>Geissorhiza brehmii</i>
Medium	<i>Geissorhiza geminata</i>
Medium	<i>Geissorhiza humilis</i>
Medium	<i>Sparaxis grandiflora</i> subsp. <i>grandiflora</i>
Medium	<i>Ixia abbreviata</i>
Medium	<i>Ixia campanulata</i>
Medium	<i>Ixia mostertii</i>
Medium	<i>Ixia rouxii</i>
Medium	<i>Ixia viridiflora</i>
Medium	<i>Ixia longistylis</i>
Medium	Sensitive species 560
Medium	Sensitive species 1253
Medium	Sensitive species 1
Medium	Sensitive species 1140
Medium	Sensitive species 995
Medium	Sensitive species 298
Medium	Sensitive species 452
Medium	Sensitive species 1146
Medium	Sensitive species 863
Medium	<i>Pauridia alba</i>
Medium	<i>Monopsis variifolia</i>
Medium	<i>Oxalis droseroides</i>
Medium	<i>Oxalis meisneri</i>
Medium	<i>Erica mitchellensis</i>
Medium	<i>Erica cymosa</i> subsp. <i>grandiflora</i>
Medium	Sensitive species 444
Medium	Sensitive species 1240

Medium	Sensitive species 756
Medium	Annesorhiza burttii
Medium	Isoetes capensis
Medium	Sensitive species 105
Medium	Anthochortus insignis
Medium	Hypodiscus rugosus
Medium	Restio durus
Medium	Restio pratensis
Medium	Cephalaria scabra
Medium	Sensitive species 848
Medium	Sensitive species 263
Medium	Sensitive species 682
Medium	Sensitive species 266
Medium	Pterygodium microglossum
Medium	Metalasia octoflora
Medium	Syncarpha marlothii
Medium	Athanasia adenantha
Medium	Athanasia crenata
Medium	Athanasia hirsuta
Medium	Phaneroglossa bolusii
Medium	Lamprocephalus montanus
Medium	Comborhiza longipes
Medium	Acmadenia matroosbergensis
Medium	Euchaetis pungens
Medium	Wurmbea inusta
Medium	Phiambolia franciscii
Medium	Codonrhiza azurea
Medium	Skiatophytum skiatophytoides
Medium	Lampranthus debilis
Medium	Drosanthemum striatum
Medium	Psoralea alata
Medium	Aspalathus recurva
Medium	Sensitive species 593
Medium	Sensitive species 599
Medium	Restio aridus
Medium	Restio paludosus
Medium	Restio rigoratus
Medium	Sensitive species 728
Medium	Heliophila elata
Medium	Lachnaea capitata
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)
Low	Low Sensitivity
Very High	Critical biodiversity area 1
Very High	Ecological support area 1
Very High	Ecological support area 2
Very High	Strategic Water Source Areas
Very High	Ceres Bergfynbos Reserve
Very High	Matroosberg Mountain Catchment Area