

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

EIA Reference number: TBC

Project name: PROPOSED DREDGING OF THE MILNERTON LAGOON IN THE DIEP RIVER ESTUARY,
CAPE TOWN

Project title: PROPOSED DREDGING OF THE MILNERTON LAGOON IN THE DIEP RIVER ESTUARY,
CAPE TOWN

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Applicant: CITY OF CAPE TOWN

Compiler: INFINITY ENVIRONMENTAL

Compiler signature:
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Application Category: Any activity in an estuary_on the seashore_in the littoral active zone_or in
the sea



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Proposed Project Location

Orientation map 1: General location

General Orientation: PROPOSED DREDGING OF THE MILNERTON LAGOON IN THE DIEP RIVER ESTUARY, CAPE TOWN



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	MILNERTON	3	0	33°53'0.93S	18°29'28.06E	Erven
2	MILNERTON	17	0	33°50'56.68S	18°29'16.14E	Erven
3	MILNERTON	157	0	33°53'2.29S	18°29'27.75E	Erven
4	MILNERTON	161	0	33°53'4.52S	18°29'26.77E	Erven
5	MILNERTON	167	0	33°53'6.76S	18°29'25.61E	Erven
6	MILNERTON	176	0	33°53'9.03S	18°29'24.4E	Erven
7	MILNERTON	190	0	33°53'10.83S	18°29'23.64E	Erven
8	MILNERTON	10620	0	33°52'58.37S	18°29'27.3E	Erven
9	MILNERTON	10621	0	33°53'10.51S	18°29'20.89E	Erven
10	MILNERTON	10625	0	33°53'0.05S	18°29'28.15E	Erven
11	MILNERTON	20315	0	33°52'6.2S	18°29'40.77E	Erven
12	MILNERTON	20318	0	33°53'27.12S	18°29'3.26E	Erven
13	MILNERTON	22981	0	33°53'19.16S	18°29'12.29E	Erven
14	MILNERTON	22982	0	33°53'21.42S	18°29'4.44E	Erven
15	MILNERTON	22983	0	33°53'7.72S	18°29'22.63E	Erven
16	MILNERTON	22984	0	33°52'50.34S	18°29'26.89E	Erven
17	MILNERTON	22986	0	33°53'1.2S	18°29'24.07E	Erven
18	MILNERTON	22987	0	33°52'49.57S	18°29'20.82E	Erven
19	MILNERTON	14540	0	33°53'27.66S	18°29'3.37E	Public Place

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.

Footprint	Latitude	Longitude
1	33°53'28.12S	18°29'0.2E
1	33°53'20.72S	18°29'3.3E
1	33°53'21.1S	18°29'5.06E
1	33°53'17.54S	18°29'7.44E
1	33°53'13.48S	18°29'11.23E
1	33°53'7.92S	18°29'16.39E
1	33°53'2.57S	18°29'21.38E
1	33°52'59.24S	18°29'22.71E
1	33°52'53.19S	18°29'22.9E
1	33°52'49.4S	18°29'20.68E
1	33°52'44.43S	18°29'21.14E
1	33°52'41.55S	18°29'22.01E
1	33°52'41.77S	18°29'25.83E
1	33°52'47.04S	18°29'26.57E
1	33°52'51.89S	18°29'27.25E
1	33°52'56.7S	18°29'27.23E
1	33°52'57.11S	18°29'27.83E
1	33°52'59.18S	18°29'27.95E
1	33°53'1.11S	18°29'27.93E
1	33°53'3.18S	18°29'27.75E
1	33°53'5.6S	18°29'27.27E
1	33°53'8.37S	18°29'26.42E
1	33°53'10.35S	18°29'25.81E
1	33°53'11.71S	18°29'25.24E
1	33°53'10.69S	18°29'20.52E
1	33°53'17.36S	18°29'14.3E
1	33°53'20.98S	18°29'10.95E
1	33°53'22.47S	18°29'9.55E
1	33°53'24.48S	18°29'8.16E
1	33°53'25.25S	18°29'8.17E
1	33°53'26.11S	18°29'9.69E
1	33°53'26.36S	18°29'9.36E
1	33°53'26.32S	18°29'8.42E
1	33°53'26.47S	18°29'8.13E
1	33°53'27.01S	18°29'6.87E
1	33°53'27.1S	18°29'6.15E
1	33°53'27.09S	18°29'4.24E
1	33°53'27.46S	18°29'3.48E
1	33°53'27.58S	18°29'3.02E
1	33°53'27.68S	18°29'2.01E
1	33°53'27.88S	18°29'0.89E
1	33°53'28.12S	18°29'0.2E

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:

Any activity in an estuary_on the seashore_in the littoral active zone_or in the sea.

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
South African Protected Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPAD_OR_2024_Q3_Metadata.pdf
South African Conservation Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SACAD_OR_2024_Q3_Metadata.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

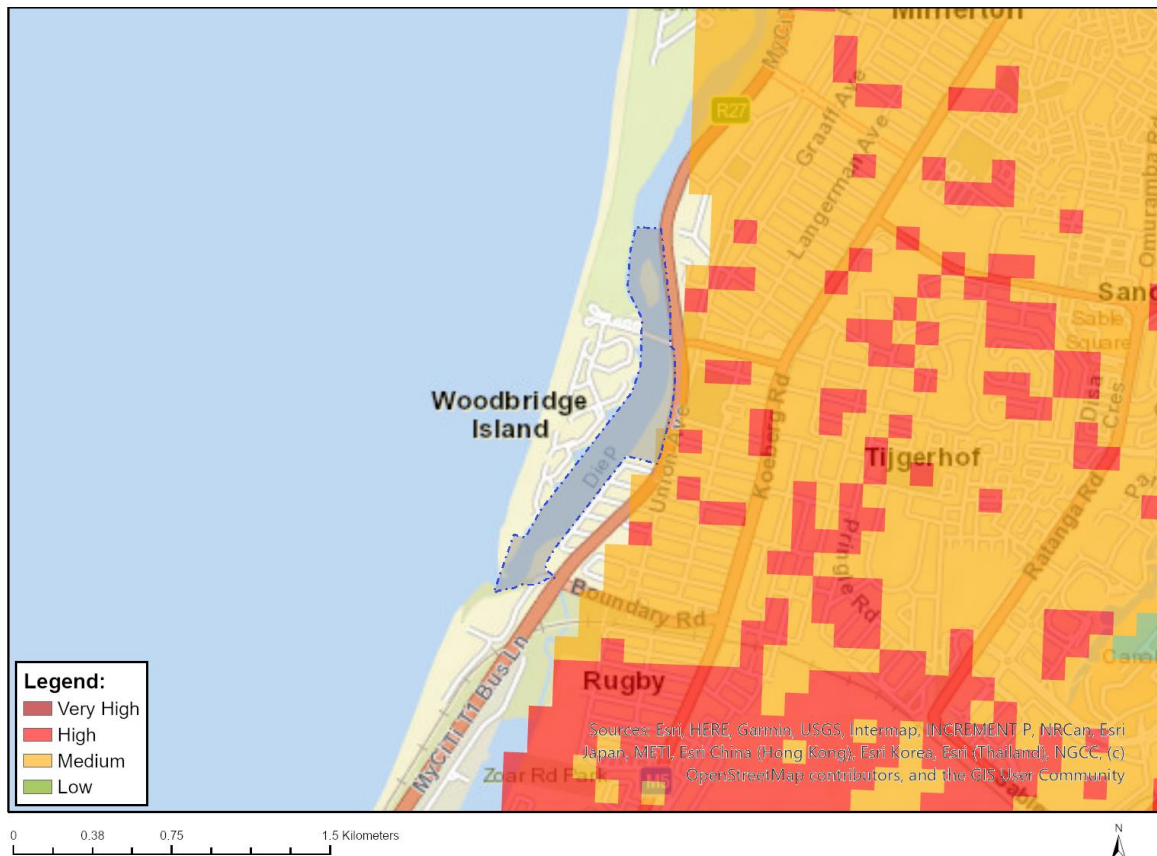
Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, 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	Marine Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
7	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
8	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
9	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
10	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

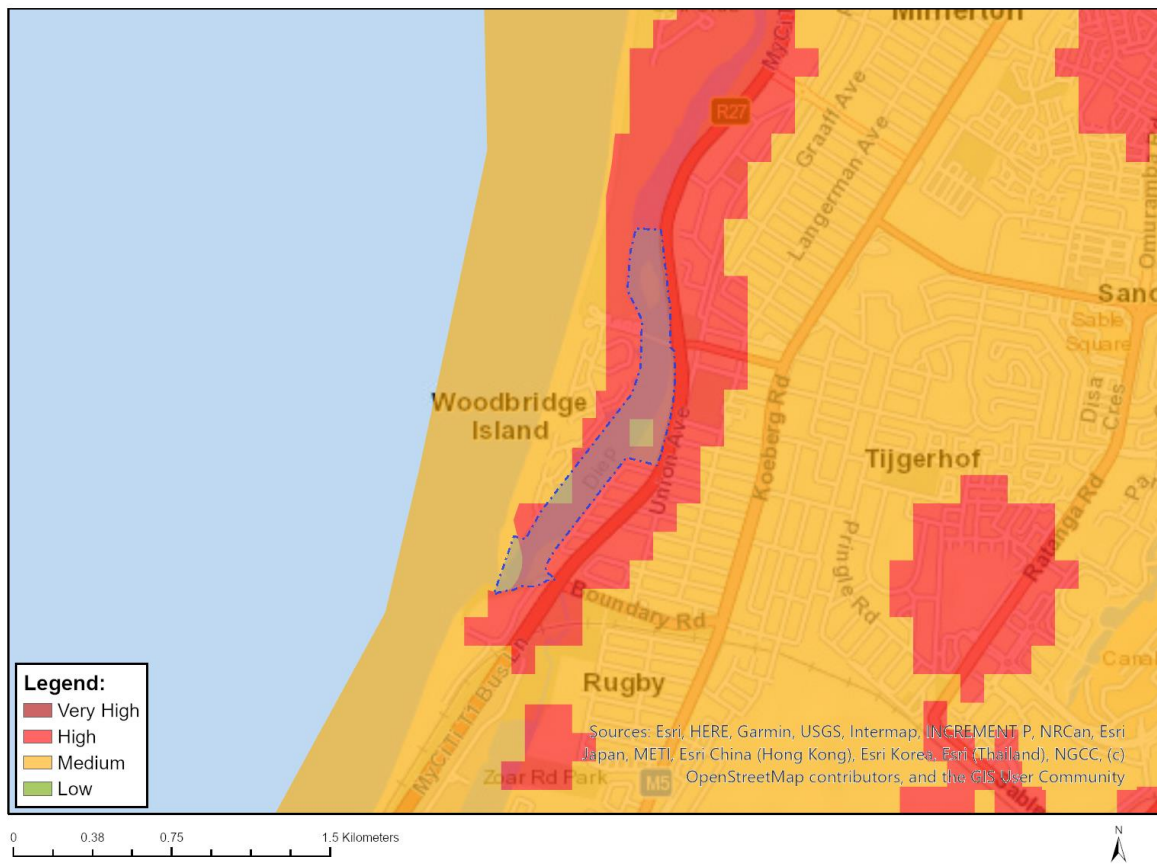


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	07. Low-Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



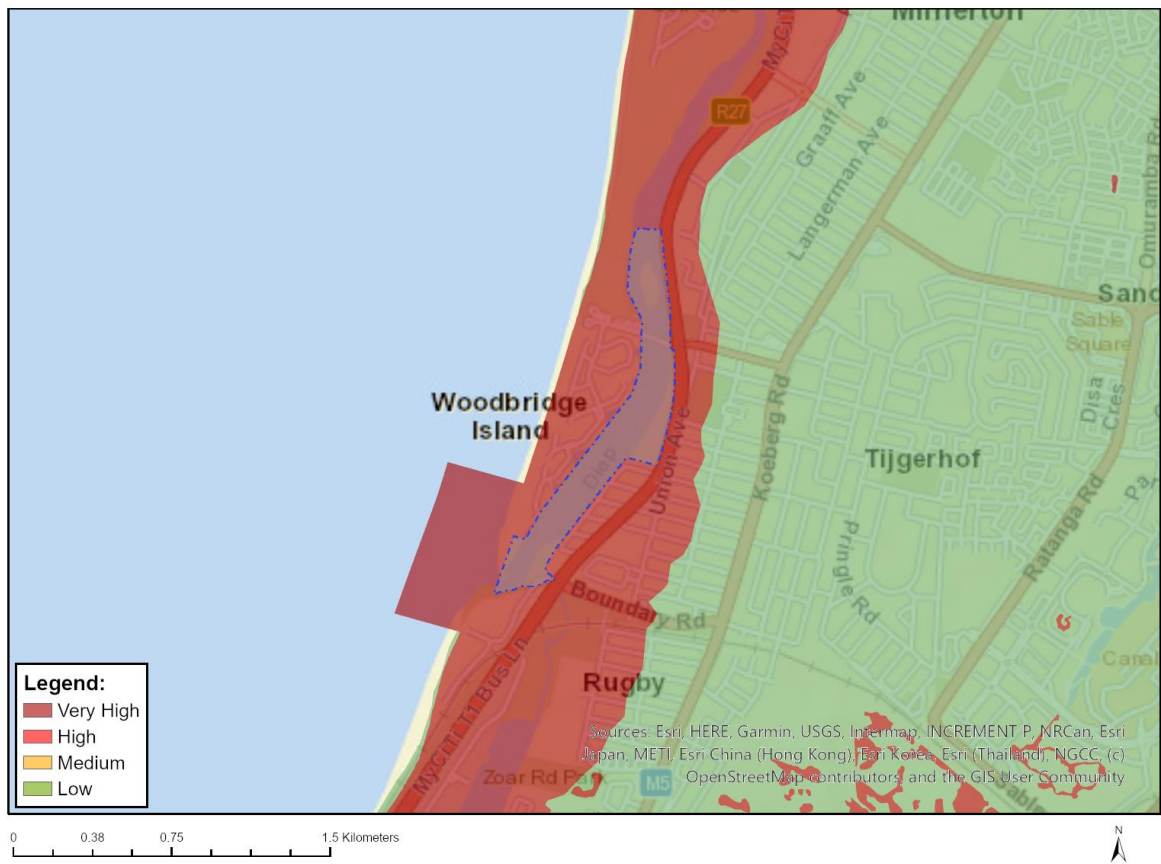
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their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

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

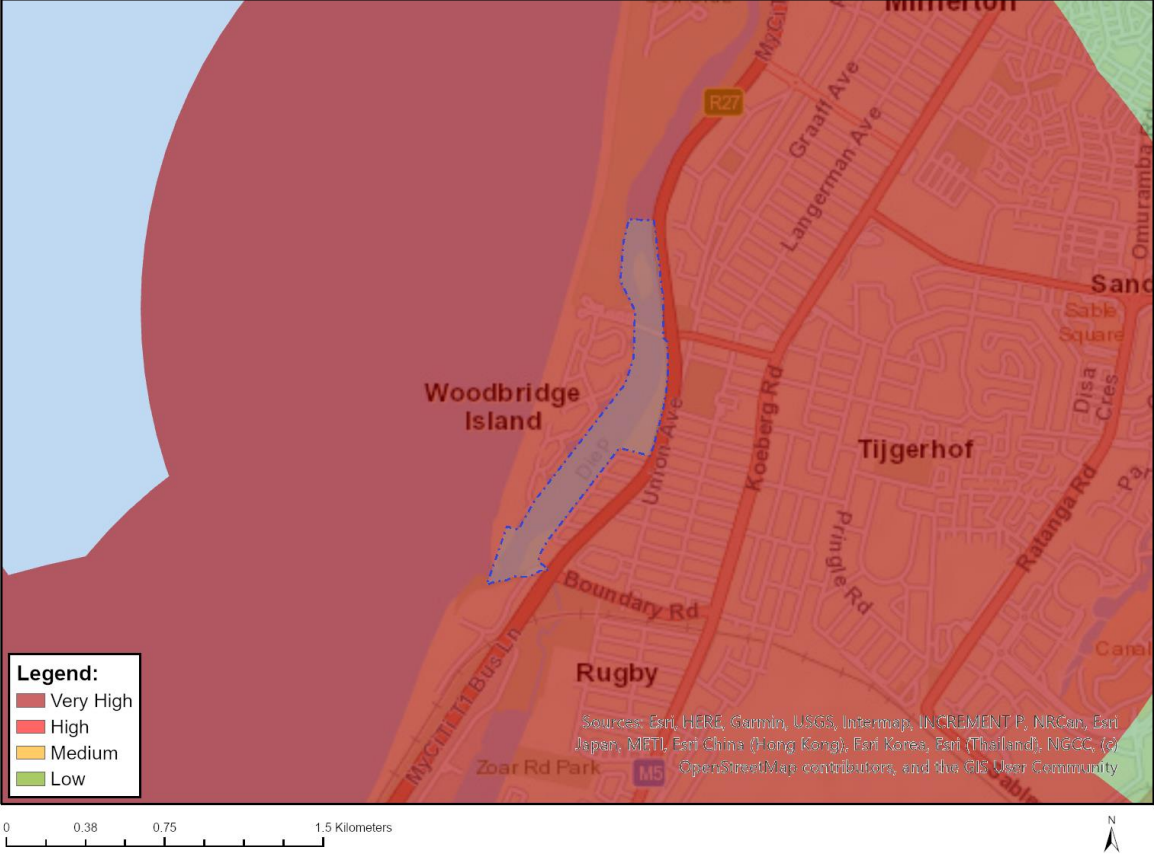


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	ESA 1: Aquatic
Very High	Estuary_Diep/Rietvlei
Very High	Rivers_C
Very High	Wetlands_(Estuary)

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

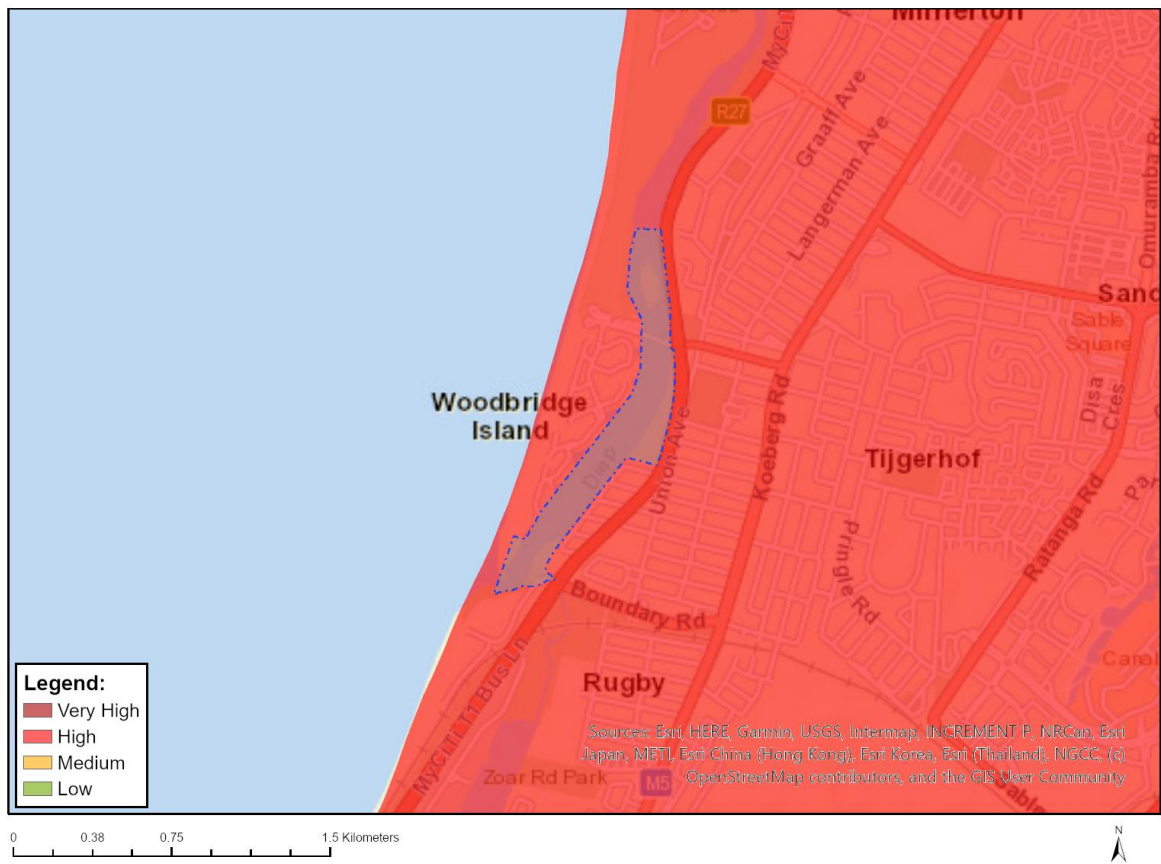


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Within 5km of a Grade I Heritage site
Very High	Within 2km of a Grade II Heritage site
Very High	Within 100m of an Ungraded Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

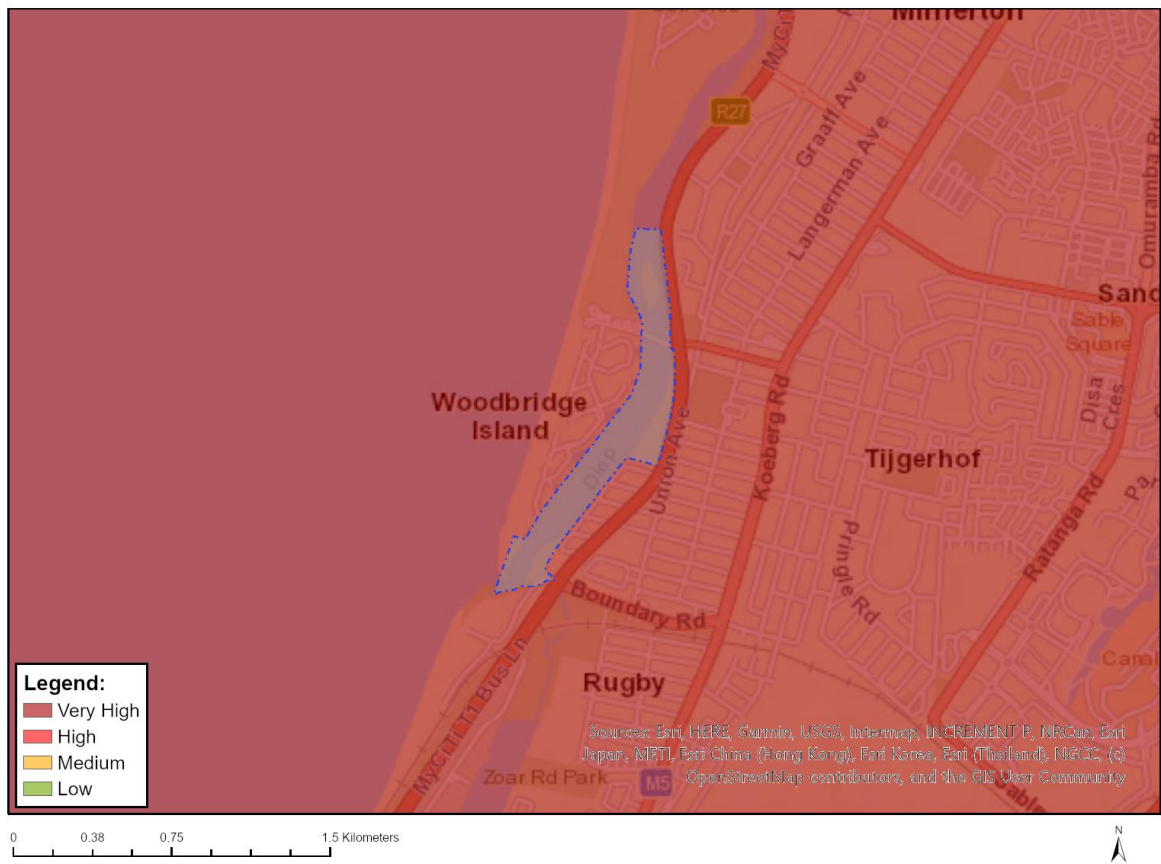


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	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)
Very High	Military and Defence Site

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

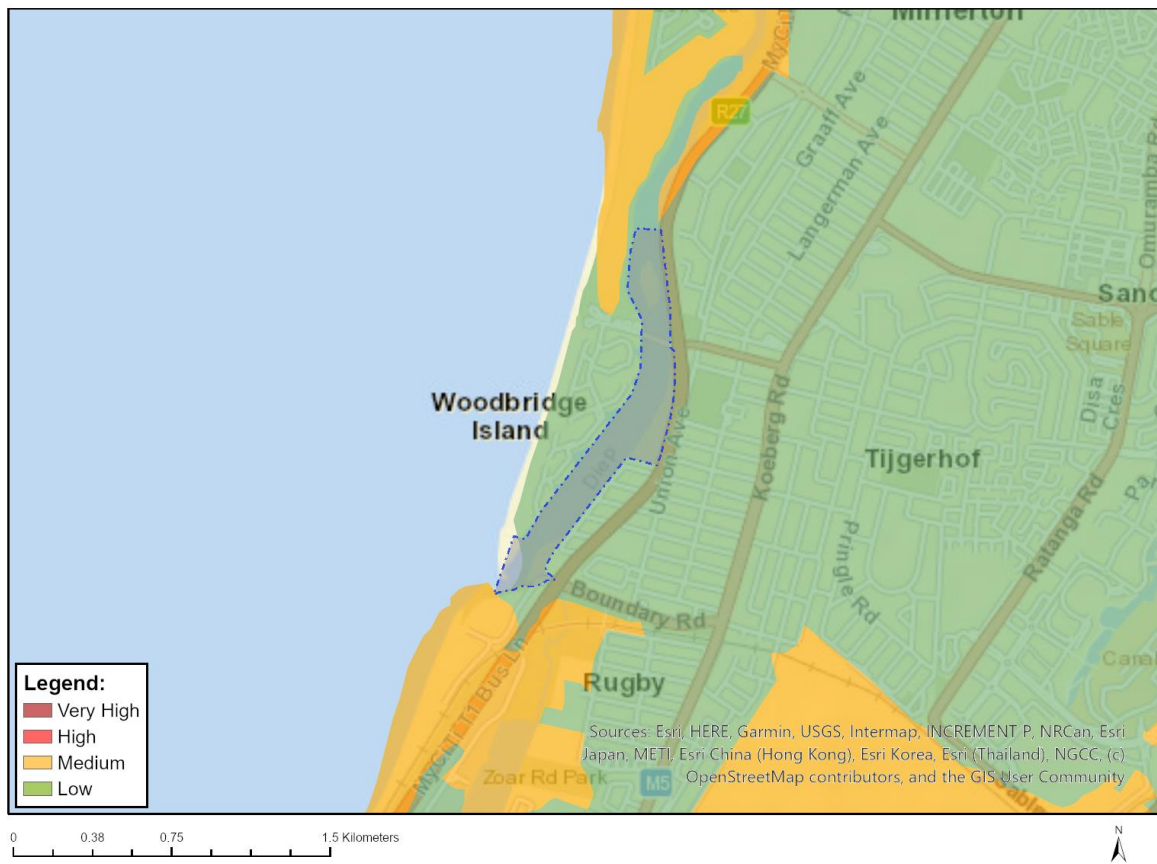


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

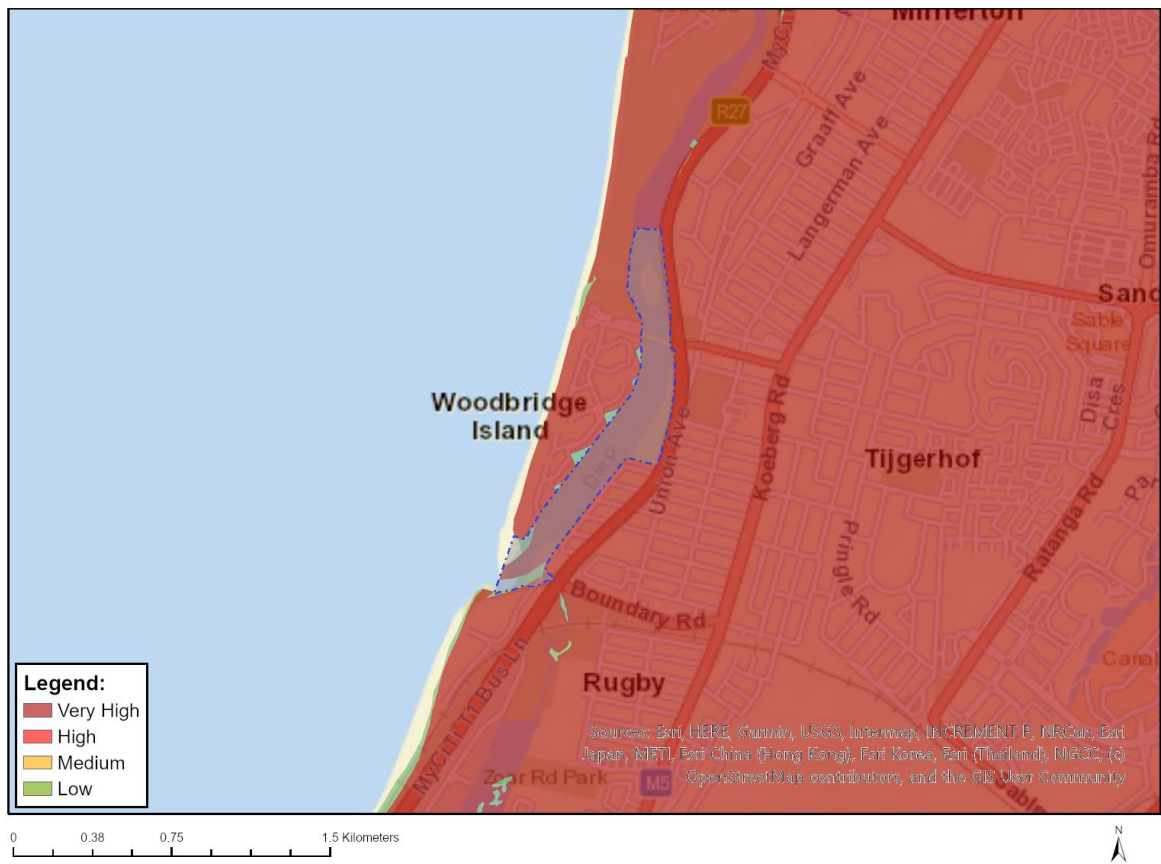
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Lampranthus stenus
Medium	Lampranthus tenuifolius
Medium	Erepsia dunensis
Medium	Cleretum clavatum
Medium	Ruschia geminiflora
Medium	Ruschia rubricaulis
Medium	Lessertia argentea
Medium	Psoralea glaucina
Medium	Indigofera psoraloides
Medium	Lebeckia plukenetiana
Medium	Podalyria sericea
Medium	Leucadendron coniferum

Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>canaliculatum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>hypophyllocarpodendron</i>
Medium	<i>Manulea corymbosa</i>
Medium	Sensitive species 878
Medium	Sensitive species 816
Medium	<i>Pseudalthenia aschersoniana</i>
Medium	<i>Hermannia procumbens</i> subsp. <i>procumbens</i>
Medium	<i>Galenia crystallina</i> var. <i>maritima</i>
Medium	<i>Isolepis venustula</i>
Medium	<i>Elegia prominens</i>
Medium	<i>Restio sabulosus</i>
Medium	<i>Cynanchum zeyheri</i>
Medium	Sensitive species 985
Medium	<i>Gnidia spicata</i>
Medium	<i>Passerina paludosa</i>
Medium	<i>Poecilolepis maritima</i>
Medium	<i>Steirodiscus tagetes</i>
Medium	<i>Cotula eckloniana</i>
Medium	<i>Cotula myriophylloides</i>
Medium	<i>Oncosiphon africanum</i>
Medium	<i>Agathosma corymbosa</i>
Medium	<i>Agathosma glabrata</i>
Medium	<i>Cliffortia ericifolia</i>
Medium	<i>Cliffortia hirta</i>
Medium	<i>Cliffortia longifolia</i>
Medium	<i>Limonium purpuratum</i>
Medium	<i>Muraltia macropetala</i>
Medium	<i>Muraltia mitior</i>
Medium	Sensitive species 158
Medium	<i>Phylica plumosa</i> var. <i>squarrosa</i>
Medium	<i>Argyrobium velutinum</i>
Medium	<i>Xiphotheca reflexa</i>
Medium	Sensitive species 599
Medium	Sensitive species 654
Medium	<i>Lachnaea grandiflora</i>
Medium	<i>Cotula pusilla</i>

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	Rietvlei Nature Area
Very High	ESA 2: Restore from plantation or high density IAP
Very High	ESA 1
Very High	CR_Cape Flats Sand Fynbos
Very High	EN_Cape Flats Dune Strandveld