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

EIA Reference number: n/a

Project name: Cape Infanta DevelopmentProject title: Cape Infanta Development

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Applicant: Westerhelling Investments CC

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**Compiler signature:** 

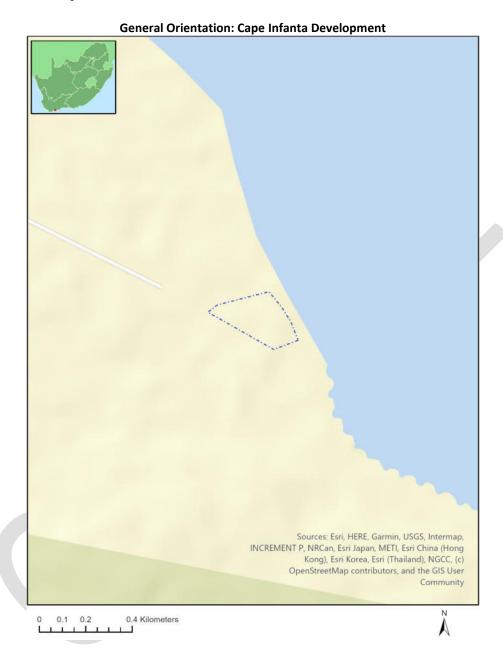
**Application Category:** Transformation of land | Indigenous vegetation

# **Table of Contents**

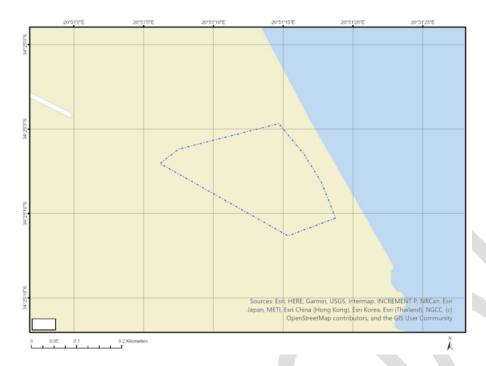
Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	
Environmental Management Frameworks relevant to the application	4
Environmental screening results and assessment outcomes	5
Relevant development incentives, restrictions, exclusions or prohibitions	5
Proposed Development Area Environmental Sensitivity	
Specialist assessments identified	
Results of the environmental sensitivity of the proposed area	
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY	
MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY	8
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	9
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY	
MAP OF RELATIVE DEFENCE THEME SENSITIVITY	12
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY	13
MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	14
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	16

# **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
Ī	1	INFANTA	134	0	34°25'21.48S	20°50'33.98E	Erven

Development footprint<sup>1</sup> 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 nearby wind or solar developments found.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

<sup>&</sup>lt;sup>1</sup> "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.

# 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			Х	
Animal Species Theme			Х	
Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme		X		
Civil Aviation Theme		Х		
Defence Theme				Х
Paleontology Theme		Х		
Plant Species Theme			Х	
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 Protocol
	assessment	
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	https://screening.environment.gov.za/ScreeningDownloads/Asse

	Assessment	ssmentProtocols/GuidanceforPIA.pdf
4	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf
5	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Pr otocols.pdf
6	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted_General_Requirement_Assessment_P rotocols.pdf
7	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted Plant Species Assessment Protocols. pdf
8	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted Animal Species Assessment Protoco ls.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.

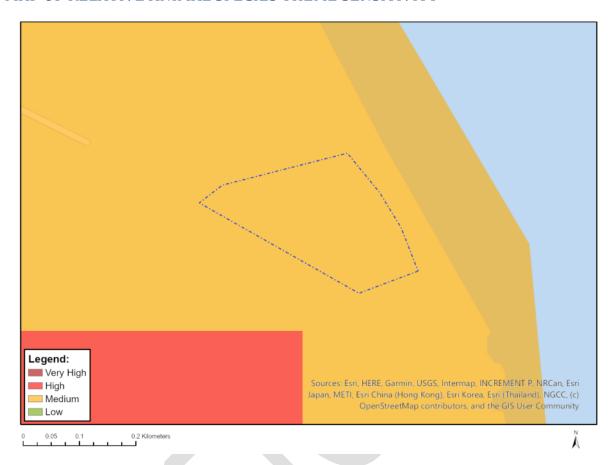
#### MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		Χ	

Sensitivity	Feature(s)
Medium	06. 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 <a href="mailto:eiadatarequests@sanbi.org.za">eiadatarequests@sanbi.org.za</a> 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 Medium		Feature(s)
		Invertebrate-Aneuryphymus montanus

# MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)
Very High	ESA 1: Aquatic
Very High	FEPA Subcatchment

# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
Low	Low Sensitivity

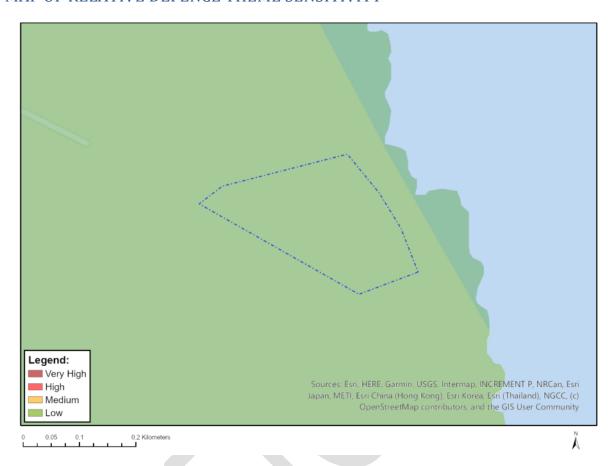
# MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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
			Χ

Sensitivity Fe	ature(s)
Low Lov	w Sensitivity

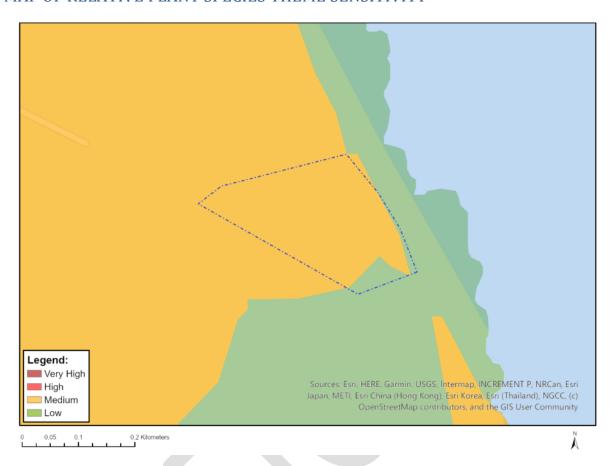
# MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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 <a href="mailto:eiadatarequests@sanbi.org.za">eiadatarequests@sanbi.org.za</a> 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 ceriseus
Medium	Lampranthus fergusoniae
Medium	Lampranthus pauciflorus
Medium	Delosperma mariae
Medium	Argyrolobium harmsianum
Medium	Indigofera mundiana
Medium	Aspalathus calcarea
Medium	Aspalathus prostrata
Medium	Otholobium sp. nov. (Esterhuysen 33240a BOL)
Medium	Lebeckia gracilis
Medium	Leucadendron galpinii
Medium	Leucadendron linifolium

Page 14 of 16

Medium         Wahlenbergia subulata var. congesta           Medium         Selago diffusa           Medium         Selago diffusa           Medium         Selago glandulosa           Medium         Pentameris calcicola var. hirsuta           Medium         Pentameris calcicola var. hirsuta           Medium         Pentameris calcicola var. hirsuta           Medium         Sensitive species 340           Medium         Lobelia valida           Medium         Hermannia lavandulifolia           Medium         Sensitive species 1142           Medium         Thamnochortus muirii           Medium         Chyanchum zeyheri           Medium         Cynanchum zeyheri           Medium         Cynanchum zeyheri           Medium         Sensitive species 1192           Medium         Heliophila linearis var. reticulata           Medium         Felicia ebracteata           Medium         Pelicia ebracteata           Medium         Dymondia margaretae           Medium         Cotta myriophylloides		
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Medium       Euchaetis laevigata         Medium       Cliffortia longifolia         Medium       Sensitive species 5         Medium       Sensitive species 913         Medium       Orthochilus litoralis         Medium       Aspalathus tylodes         Medium       Sensitive species 800         Medium       Sensitive species 599         Medium       Elegia verreauxii         Medium       Sensitive species 500         Medium       Sensitive species 53	Medium	Acmadenia mundiana
Medium       Cliffortia longifolia         Medium       Sensitive species 5         Medium       Sensitive species 913         Medium       Orthochilus litoralis         Medium       Aspalathus tylodes         Medium       Sensitive species 800         Medium       Sensitive species 599         Medium       Elegia verreauxii         Medium       Sensitive species 500         Medium       Sensitive species 53	Medium	Euchaetis intonsa
Medium       Sensitive species 5         Medium       Sensitive species 913         Medium       Orthochilus litoralis         Medium       Aspalathus tylodes         Medium       Sensitive species 800         Medium       Sensitive species 599         Medium       Elegia verreauxii         Medium       Sensitive species 500         Medium       Sensitive species 53	Medium	Euchaetis laevigata
Medium       Sensitive species 913         Medium       Orthochilus litoralis         Medium       Aspalathus tylodes         Medium       Sensitive species 800         Medium       Sensitive species 599         Medium       Elegia verreauxii         Medium       Sensitive species 500         Medium       Sensitive species 53	Medium	Cliffortia longifolia
Medium       Orthochilus litoralis         Medium       Aspalathus tylodes         Medium       Sensitive species 800         Medium       Sensitive species 599         Medium       Elegia verreauxii         Medium       Sensitive species 500         Medium       Sensitive species 53	Medium	
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MediumSensitive species 599MediumElegia verreauxiiMediumSensitive species 500MediumSensitive species 53	Medium	Aspalathus tylodes
Medium       Elegia verreauxii         Medium       Sensitive species 500         Medium       Sensitive species 53	Medium	Sensitive species 800
Medium Sensitive species 500 Medium Sensitive species 53	Medium	Sensitive species 599
Medium Sensitive species 53	Medium	Elegia verreauxii
	Medium	
Medium Zostera capensis	Medium	Sensitive species 53
	Medium	Zostera capensis

# MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	CBA: Terrestrial
Very High	ESA 1: Terrestrial
Very High	FEPA Subcatchment
Very High	EN_Overberg Dune Strandveld

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

**EIA Reference number:** 16/3/3/6/7/1/E3/10/1020/20

Project name: Infanta Residential DevelopmentProject title: Infanta Residential Development

Date screening report generated: 22/09/2021 16:22:17

**Applicant:** Westerhelling Investments CC **Compiler:** Doug Jeffery Environmental

Compiler signature:

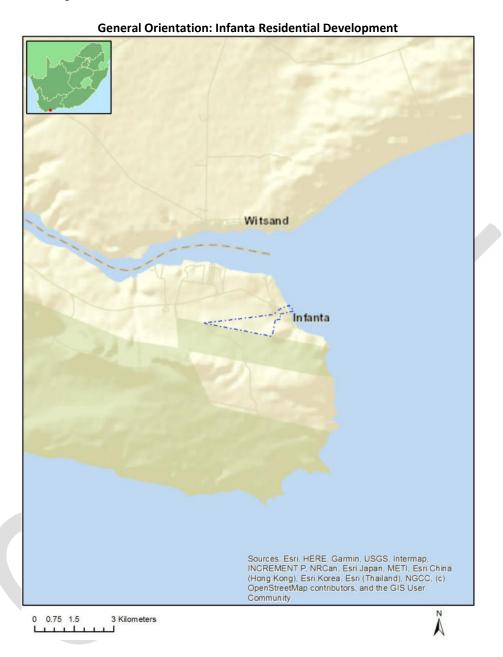
**Application Category:** Transformation of land Indigenous vegetation

# **Table of Contents**

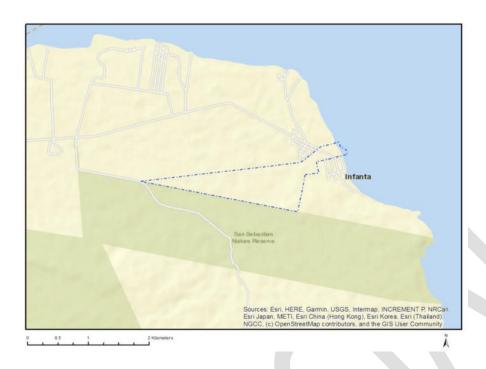
Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	4
Environmental Management Frameworks relevant to the application	4
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	
Proposed Development Area Environmental Sensitivity	6
Specialist assessments identified	
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
MAD OF RELATIVE TERRESTRIAL RIODIVERSITY THEME SENSITIVITY	12

# **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
ſ	1	INFANTA	134	0	34°25'21.48S	20°50'33.98E	Erven

Development footprint<sup>1</sup> 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 nearby wind or solar developments found.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

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<sup>&</sup>lt;sup>1</sup> "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.

# 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:

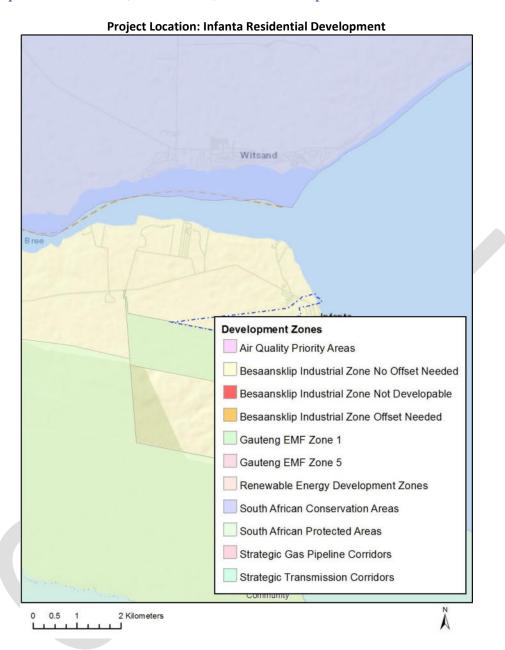
Transformation of land | Indigenous vegetation.

#### 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.

Incenti	Implication
ve,	
restricti	
on or	
prohibi	
tion	
South	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPA
African	D OR 2021 Q1 Metadata.pdf
Protecte	<u> </u>
d Areas	

# 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			Χ	
Animal Species Theme		Х		

Page 6 of 18

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22/09/2021

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 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 0	Special ist assess ment	Assessment Protocol
1	Landsca pe/Visua I Impact Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
2	Archaeol ogical and Cultural Heritage Impact Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
3	Palaeont ology Impact Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols /Gazetted General Requirement Assessment Protocols.pdf
4	Terrestri al Biodiver sity Impact Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf
5	Aquatic Biodiver sity Impact Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf
6	Avian Impact Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Avifauna Assessment Protocols.pdf
7	Socio- Economi c	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf

Page 7 of 18 <u>Disclaimer applies</u> 22/09/2021

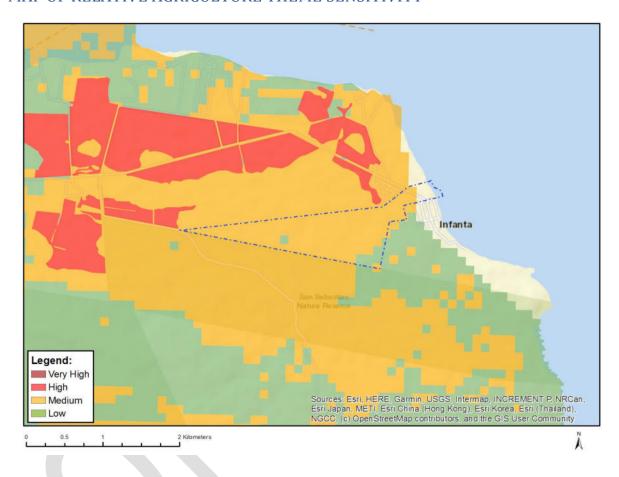
	Assessm ent	
8	Plant Species Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
9	Animal Species Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment 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.

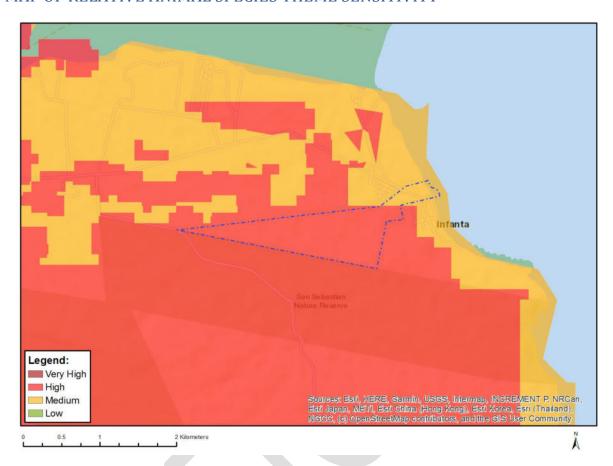
# MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		Χ	

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 <a href="mailto:eiadatarequests@sanbi.org.za">eiadatarequests@sanbi.org.za</a> 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)
High	Aves-Circus maurus
High	Aves-Neotis denhami
Medium	Invertebrate-Aneuryphymus montanus
Medium	Aves-Circus ranivorus
Medium	Aves-Turnix hottentottus
Medium	Aves-Bradypterus sylvaticus
Medium	Aves-Neotis denhami
Medium	Insecta-Chrysoritis brooksi tearei
Medium	Sensitive species 4
Medium	Insecta-Trimenia malagrida maryae

# 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	Freshwater ecosystem priority area quinary catchments

# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
Low	Low sensitivity

# MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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

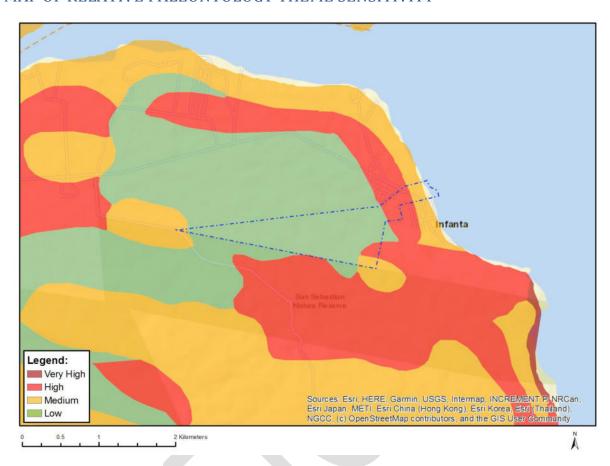
#### MAP OF RELATIVE DEFENCE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)	
Low	Low Sensitivity	

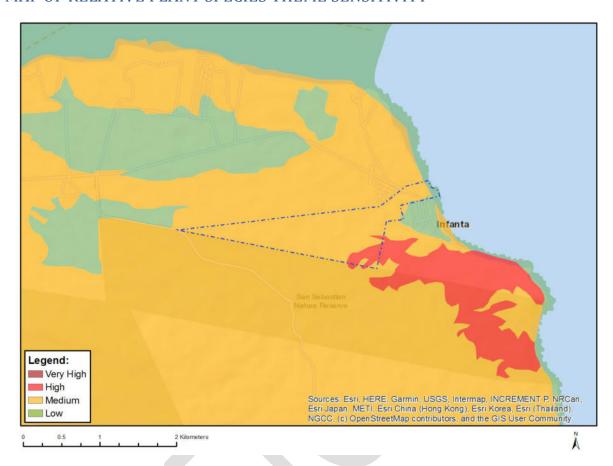
# MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity	Feature(s)
High	Features with a High paleontological sensitivity
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 <a href="mailto:eiadatarequests@sanbi.org.za">eiadatarequests@sanbi.org.za</a> 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)
High	Protea denticulata
Low	Low Sensitivity
Medium	Lampranthus ceriseus
Medium	Lampranthus fergusoniae
Medium	Lampranthus pauciflorus
Medium	Delosperma mariae
Medium	Amphithalea sericea
Medium	Amphithalea speciosa
Medium	Argyrolobium harmsianum
Medium	Indigofera mundiana
Medium	Aspalathus calcarea
Medium	Aspalathus globulosa
Medium	Aspalathus oblongifolia

	_
Medium	Aspalathus prostrata
Medium	Otholobium sp. nov. (Esterhuysen 33240a BOL)
Medium	Lebeckia gracilis
Medium	Berzelia cordifolia
Medium	Leucadendron coniferum
Medium	Leucadendron galpinii
Medium	Leucadendron linifolium
Medium	Leucospermum praecox
Medium	Protea aurea subsp. potbergensis
Medium	Protea denticulata
Medium	Paranomus abrotanifolius
Medium	Wahlenbergia polyantha
Medium	Wahlenbergia subulata var. congesta
Medium	Selago diffusa
Medium	Selago glandulosa
Medium	Selago ramosissima
Medium	Pentameris calcicola var. hirsuta
Medium	Tribolium ciliare
Medium	Lobostemon sanguineus
Medium	Lobostemon daltonii
Medium	Sensitive species 232
Medium	Sensitive species 340
Medium	Lobelia valida
Medium	Erica oblongiflora
Medium	Erica prolata
Medium	Hermannia lavandulifolia
Medium	Sensitive species 1250
Medium	Sensitive species 1142
Medium	Thamnochortus muirii
Medium	Thamnochortus pluristachyus
Medium	Elegia fenestrata
Medium	Cynanchum zeyheri
Medium	Sensitive species 1192
Medium	Heliophila linearis var. reticulata
Medium	Gnidia spicata
Medium	Sensitive species 784
Medium	Felicia ebracteata
Medium	Dymondia margaretae
Medium	Senecio lycopodioides
Medium	Cotula myriophylloides
Medium	Osteospermum subulatum
Medium	Chrysocoma strigosa
Medium	Stoebe muirii
Medium	Diosma tenella
Medium	Agathosma eriantha
Medium	Agathosma riversdalensis
Medium	Adenandra gummifera
Medium	Acmadenia mundiana
Medium	Euchaetis intonsa
Medium	Euchaetis laevigata
Medium	Cliffortia incana
Medium	Cliffortia longifolia
Medium	Polygala pottebergensis
Medium	Sensitive species 5
Medium	Sensitive species 913
Medium	Phylica incurvata
Medium	Orthochilus litoralis
Medium	Aspalathus lebeckioides
Medium	Aspalathus tylodes
Medium	Sensitive species 800
	·

Medium	Sensitive species 599
Medium	Elegia verreauxii
Medium	Sensitive species 500
Medium	Sensitive species 53
Medium	Sensitive species 654
Medium	Zostera capensis

# MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	Critical biodiveristy area 1
Very High	Critical biodiveristy area 2
Very High	Ecological support area 2
Very High	FEPA Subcatchments
Very High	San Sebastian Private Nature Reserve
Very High	Critically endangered ecosystem