

DSR CONSULTATION APPENDICES

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Appendix 1 - NEMA Acknowledgment letter



mineral resources
& energy

Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

Private Bag X 9 Roggebaai, 8012; Tel: 021 427 1000; Fax: 021 427 1046, Atterbury House, 9th
Floor, c/o Lower Burg & Riebeeck Street, Cape Town, 8012

Enquiries: Linda Njemla **E-mail:** linda.njemla@dmre.gov.za

Ref No. WC 30/5/1/2/2(1013MR-10138MR) & 10066MR

From: Mineral Regulation **Sub-Directorate:** Mine Environmental Management

The Directors

Moonstone Diamond Marketing (Pty) Ltd

P O Box 723

Parow

7499

Attention: Yvonne Gutoona

E-mail: archeanresources@outlook.com

**ACKNOWLEDGEMENT OF AN APPLICATION FOR ENVIRONMENTAL
AUTHORISATION LODGED IN TERMS OF SECTION 24 OF NATIONAL
ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998) READ WITH
REGULATION 19 OF THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA)
REGULATIONS, 2014 AS AMENDED FOR MINING AND RELATED
INFRASTRUCTURAL ACTIVITIES IN RESPECT OF DIAMOND, DIAMOND
(GENERAL) DIAMOND (ALLUVIAL) DIAMOND (IN KIMBERLITE) AND PEBBLE
STONES**

1. I refer to the abovementioned matter and confirm that your application for an Environmental Authorisation herein referred to as "EA" in relation to your application of Section 102 of the Mineral and Petroleum Development Act, 2002 (Act 28 of 2008) dated **28 July 2021** is hereby acknowledged.

2. The above-mentioned application includes the following rights and farms:

- i. De Punt - DMR reference number WC 314 MR (Renewal reference number WC 10133 MR)*
- ii. Bethel 278 Mining Right - DMR reference number WC 315 MR (Renewal reference number WC 10132 MR)*

- iii. *Farm 423 & Surf Zone Area Mining Right - DMR reference number WC 47 MR (Renewal reference number WC 10134 MR)*
- iv. *Hollebaksfontein Mining Right - DMR reference number WC 318 MR (Renewal reference number WC 10135 MR)*
- v. *Papendorp Mining Right - DMR reference number WC 316 MR (Renewal reference number WC 10136 MR)*
- vi. *Sea Area 12A Mining Right - DMR reference number WC 321 MR (Renewal reference number WC 10130 MR)*
- vii. *Sea Area 13A Mining Right - DMR reference number WC 320 MR (Renewal reference number WC 10131 MR)*
- viii. *Strykloof Mining Right - DMR reference number WC 317 MR (Renewal reference number WC 10137 MR)*
- ix. *Weskus Mining Right - DMR reference number WC 319 MR (Renewal reference number WC 10138 MR)*
- x. *DMR reference number WC 112 MR (Renewal reference number WC 10066MR)*

3. The Environmental Impact Assessment (EIA) Regulations, 2014 as amended were again amended in 2021 (**Government Gazette No. 44701, GNR 517**); and these amendments became effective on the 11th June 2021 which also affects mining activities. From these amendments, therefore your listed activities for this application need to be revised when submitting the scoping report. The activities to be included are from Listing Notice 1 as follows:

- 21D Any activity including operation of that activity which requires an amendment or variation in terms of Section 102 of the MPRDA s well as any other activity as contained in this Listing Notice or Listing Notice 3 of 2014, required for such amendment.
- 21F Any activity including operation of that activity required for the reclamation of a residue stockpile or residue deposit as well as any other applicable activity contained in this Listing Notice or Listing Notice 3 of 2014, required for the reclamation of a residue stockpile or residue deposit.

4. Your application falls under regulation 21 which requires the submission of a Scoping Report within 44 days and the report must be subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority.
5. Public participation must be conducted in accordance to Chapter 6 of the NEMA EIA Regulations. All comments received must be presented and addressed in a tabular format.
6. Kindly note that timeframe of 44 days will commence from the date of you receiving this acknowledgement letter.
7. Acknowledgement of your application does not grant you permission to commence with mining activities. Commencement of a listed activity without an environmental authorisation constitutes an offence in terms of Section 49A (1) (a) of NEMA, 1998 (Act 107 of 1998) as amended and upon conviction for such an offence, a person is liable to a fine not exceeding R10 million or to imprisonment for a period not exceeding ten years, or to both such fine and such imprisonment.

Hope that this letter will receive your utmost attention.

.....
REGIONAL MANAGER: MINERAL REGULATION
WESTERN CAPE REGION
DATE..... 20/12/24

Please quote this office file number for any correspondence as reference

Appendix 2 - Screening Report

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

EIA Reference number: WC 10138 MR

Project name: 11a-12a Weskus

Project title: EMP update

Date screening report generated: 15/07/2021 14:07:44

Applicant: Moonstone Diamond Marketing (Pty) Ltd

Compiler: Yvonne Gutoona

Compiler signature:

.....

Application Category: Mining|Mining Right

OFFICIAL

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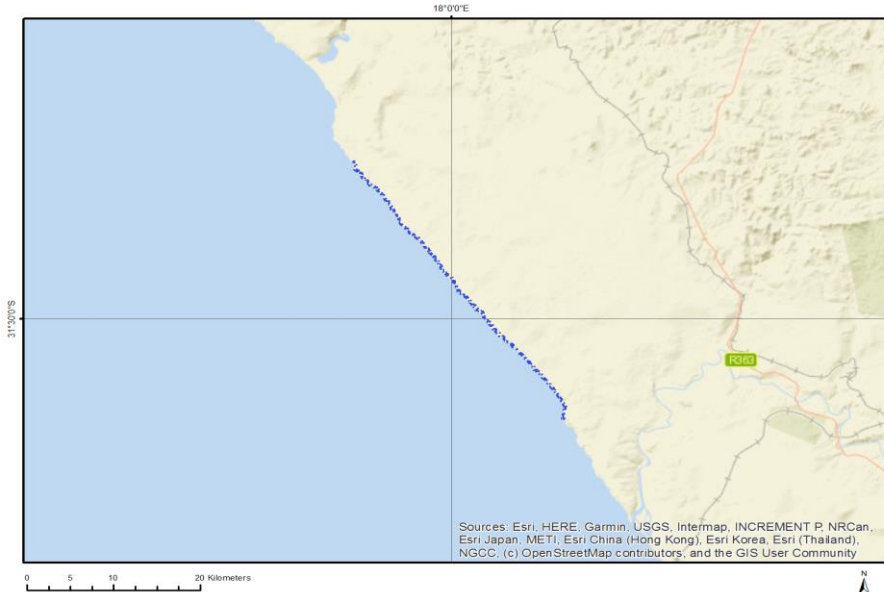
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Proposed Project Location

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 No	Portion	Latitude	Longitude	Property Type
1		191	0	31°30'6.61S	18°2'20.91E	Farm
2	PERSEEL WESKUS	204	0	31°24'10.77S	17°56'48.95E	Farm
3	GEELWAL KAROO	262	0	31°32'28.88S	18°5'21.99E	Farm
4	PERSEEL WESKUS	192	0	31°29'58.7S	18°2'9.27E	Farm
5	PERSEEL WESKUS	197	0	31°28'35.64S	18°0'54.07E	Farm
6	PERSEEL WESKUS	198	0	31°28'31.16S	18°0'44.32E	Farm
7	KLIPVLEY KAROOKOP	153	0	31°26'28.63S	18°0'3.47E	Farm
8	PERSEEL WESKUS	203	0	31°24'7.72S	17°56'51.06E	Farm
9	PERSEEL WESKUS	196	0	31°30'29.68S	18°2'36.12E	Farm
10	PERSEEL WESKUS	199	0	31°26'19.54S	17°59'2.47E	Farm
11	PERSEEL WESKUS	201	0	31°25'8.02S	17°58'1.12E	Farm
12	PERSEEL WESKUS	202	0	31°25'9.56S	17°57'57.63E	Farm
13	PERSEEL WESKUS	205	0	31°22'0.89S	17°55'4.71E	Farm
14	PERSEEL WESKUS	200	0	31°26'21.25S	17°58'59.56E	Farm
15	PERSEEL WESKUS	206	0	31°21'58.21S	17°55'6.99E	Farm
16	PERSEEL WESKUS	201	0	31°25'9.69S	17°58'2.82E	Farm Portion
17	KLIPVLEY KAROOKOP	153	0	31°28'28.08S	18°1'43.7E	Farm Portion
18		191	0	31°30'5.64S	18°2'20.32E	Farm Portion
19	PERSEEL WESKUS	192	0	31°29'58.7S	18°2'9.27E	Farm Portion
20	PERSEEL WESKUS	196	0	31°30'29.68S	18°2'36.12E	Farm Portion
21	PERSEEL WESKUS	200	0	31°26'21.24S	17°58'59.56E	Farm Portion
22	KLIPVLEY KAROOKOP	153	7	31°29'15.74S	18°1'41.07E	Farm Portion
23	PERSEEL WESKUS	198	0	31°28'47.93S	18°0'58.08E	Farm Portion
24	PERSEEL WESKUS	203	0	31°24'6.38S	17°56'50.29E	Farm Portion
25	PERSEEL WESKUS	204	0	31°24'9.6S	17°56'47.95E	Farm Portion
26	PERSEEL WESKUS	199	0	31°26'19.53S	17°59'2.47E	Farm Portion

27	PERSEEL WESKUS	202	0	31°25'11.07S	17°57'59.91E	Farm Portion
28	PERSEEL WESKUS	205	0	31°21'59.62S	17°55'4.68E	Farm Portion
29	GEELWAL KAROO	262	2	31°32'47.2S	18°5'8.19E	Farm Portion
30		193	0	31°32'59.39S	18°5'19.8E	Farm Portion
31	PERSEEL WESKUS	197	0	31°28'42.8S	18°0'57.05E	Farm Portion
32	PERSEEL WESKUS	206	0	31°21'56.91S	17°55'7.06E	Farm Portion
33	GEELWAL KAROO	262	0	31°32'30.63S	18°5'22.12E	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 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 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:

Mining | Mining Right.

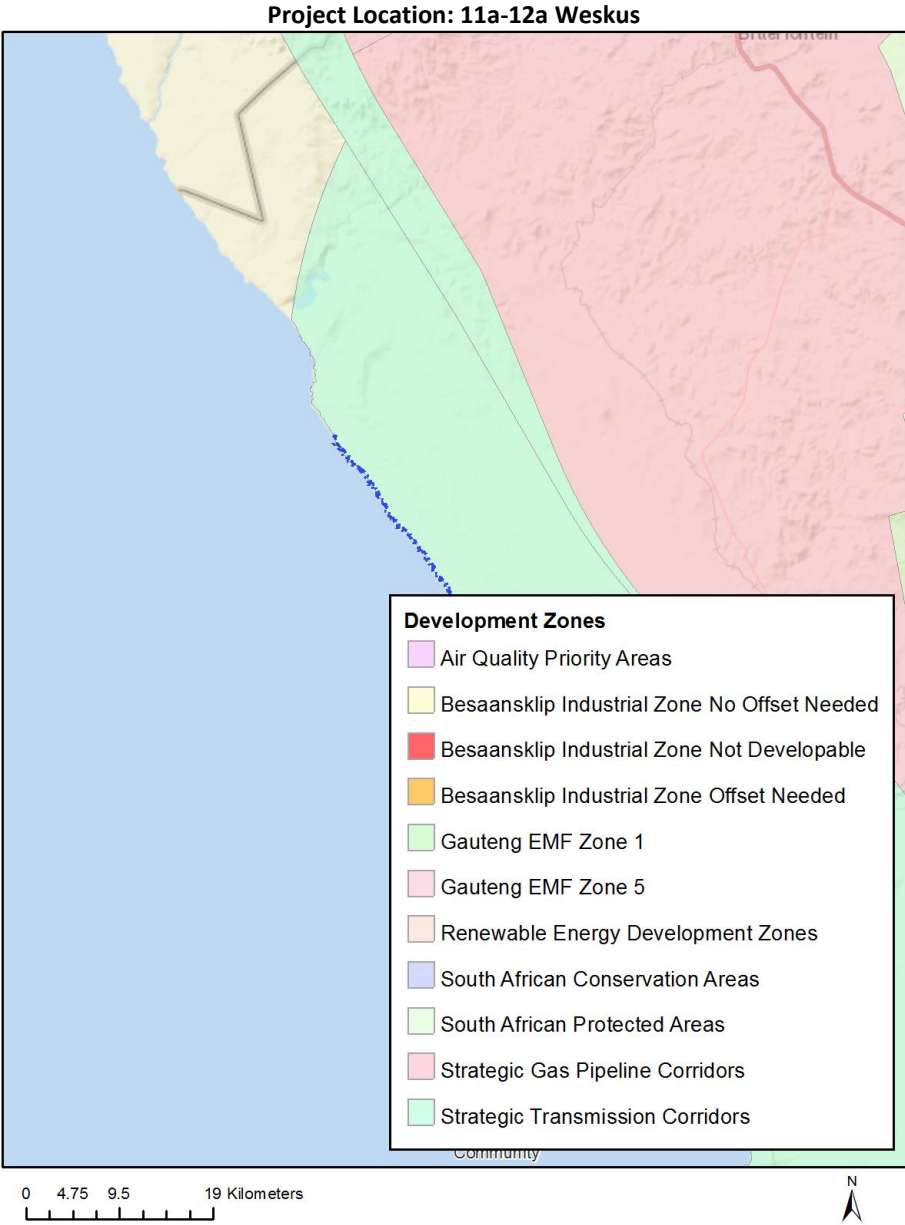
Relevant development incentives, restrictions, exclusions or prohibitions

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-	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.pdf

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.

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	High	Medium	Low
-------	-----------	------	--------	-----

	sensitivity	sensitivity	sensitivity	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.

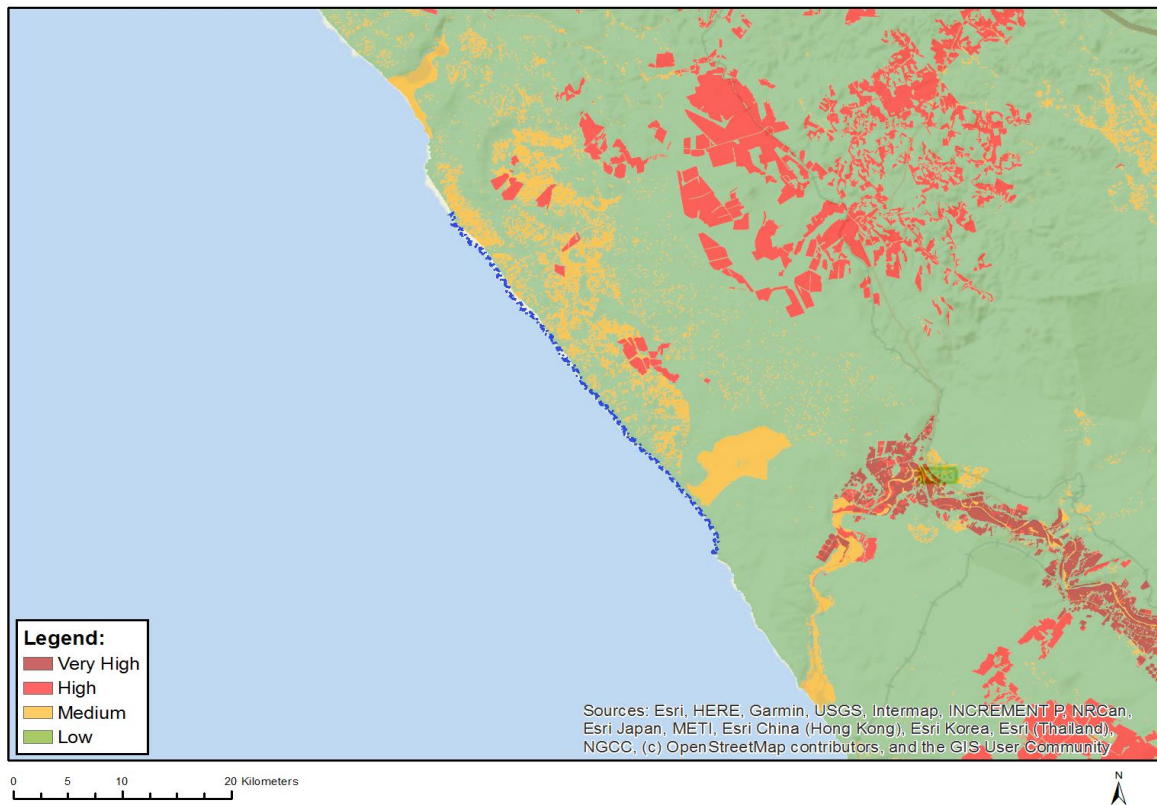
N	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf

	Assessment	
7	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
18	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

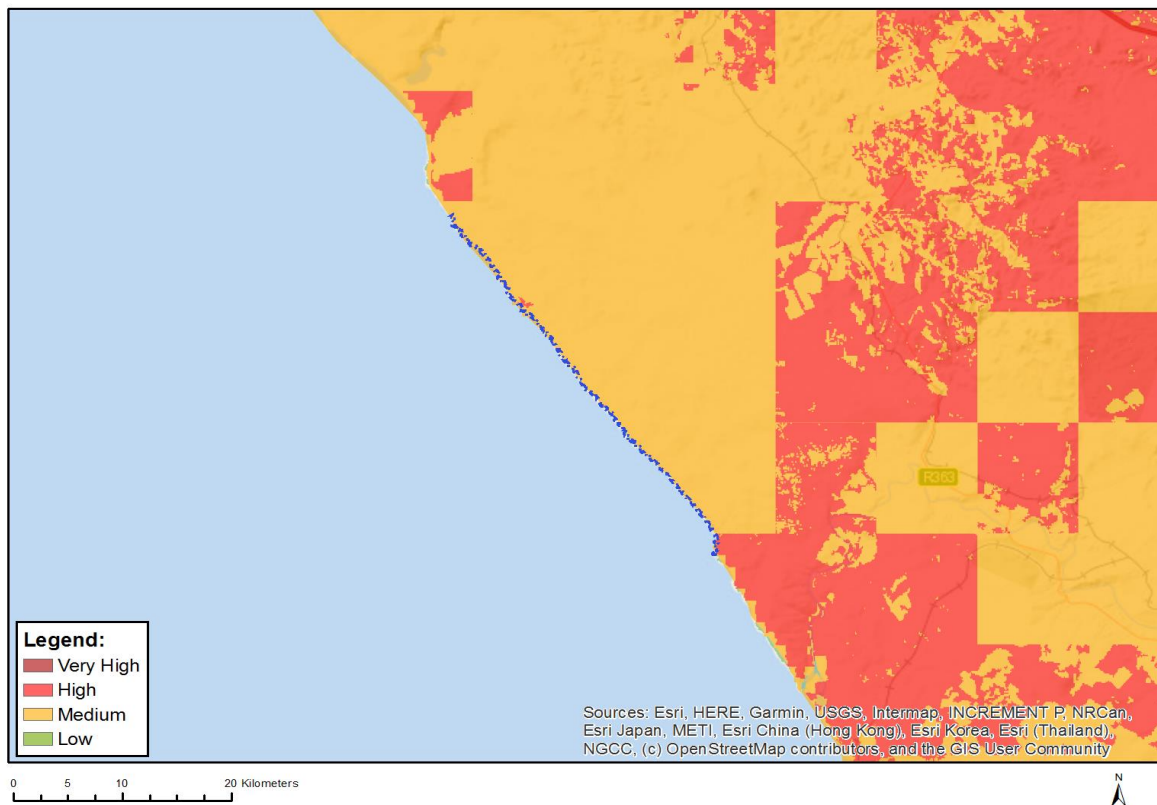


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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



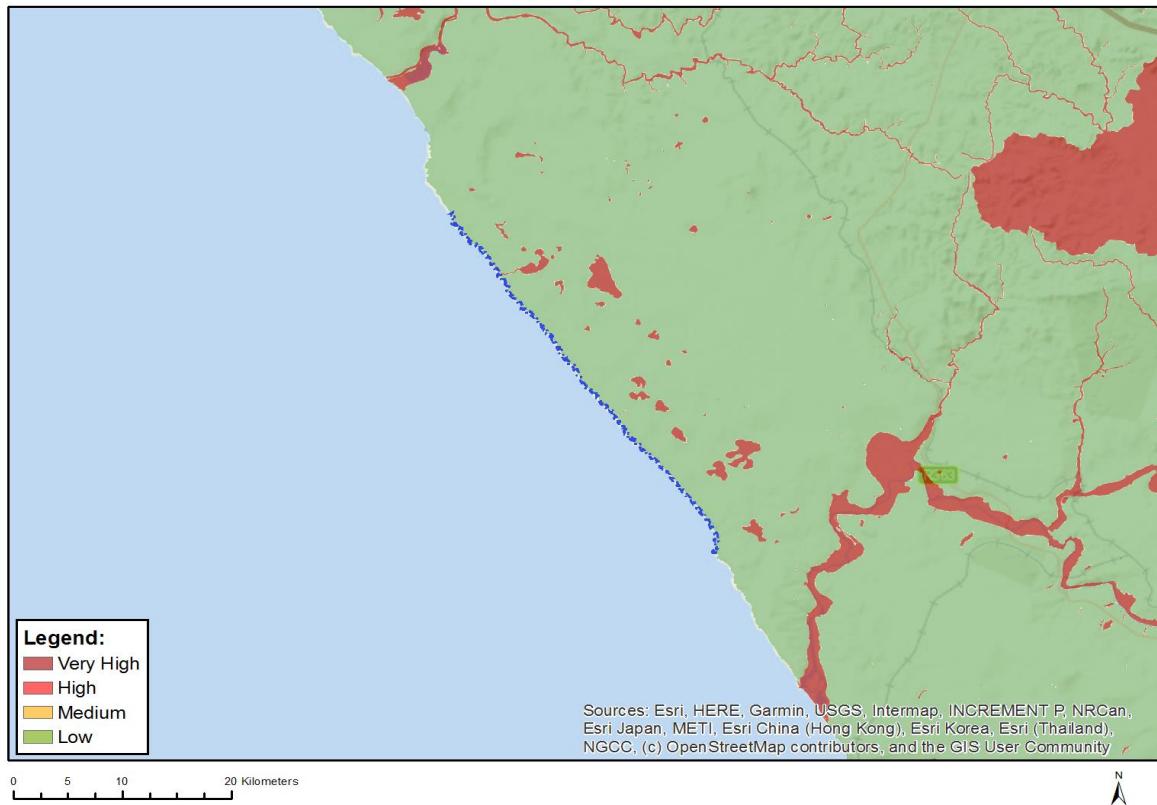
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Sensitive species 13
High	Aves-Circus maurus
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Aves-Circus maurus
Medium	Sensitive species 13

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

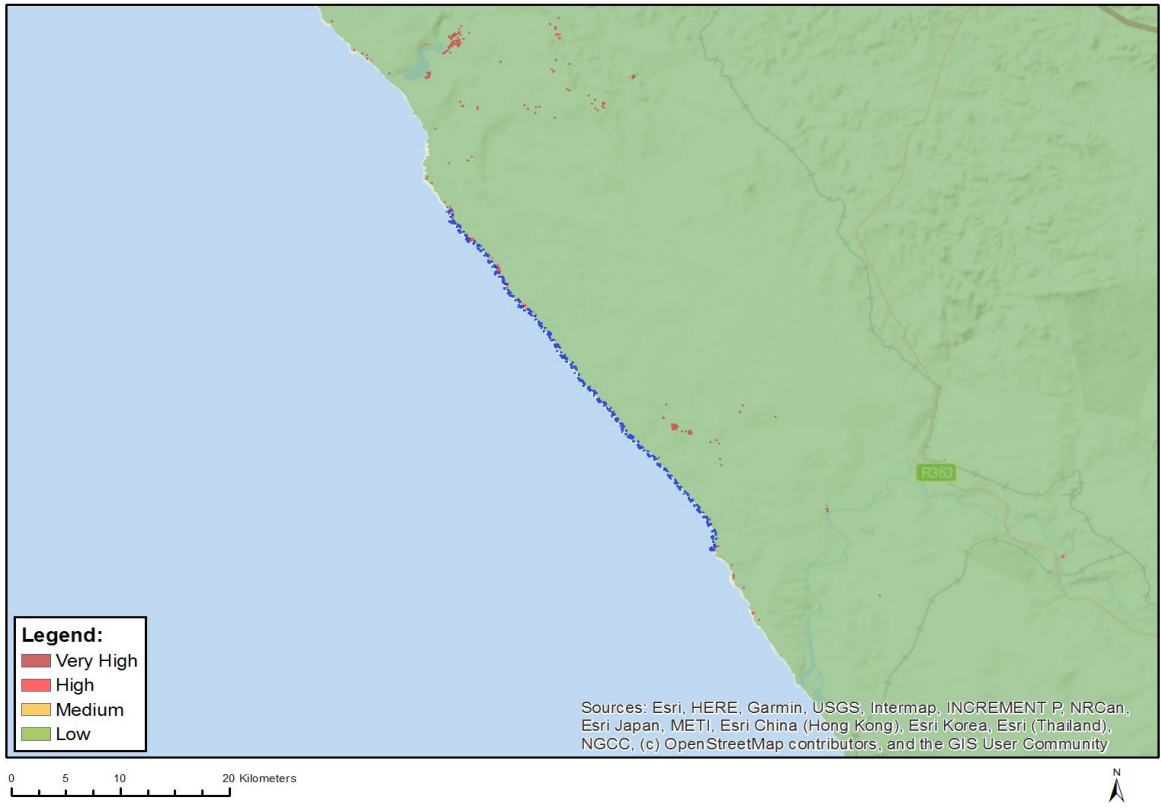


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Aquatic CBAs
Very High	Wetlands and Estuaries

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

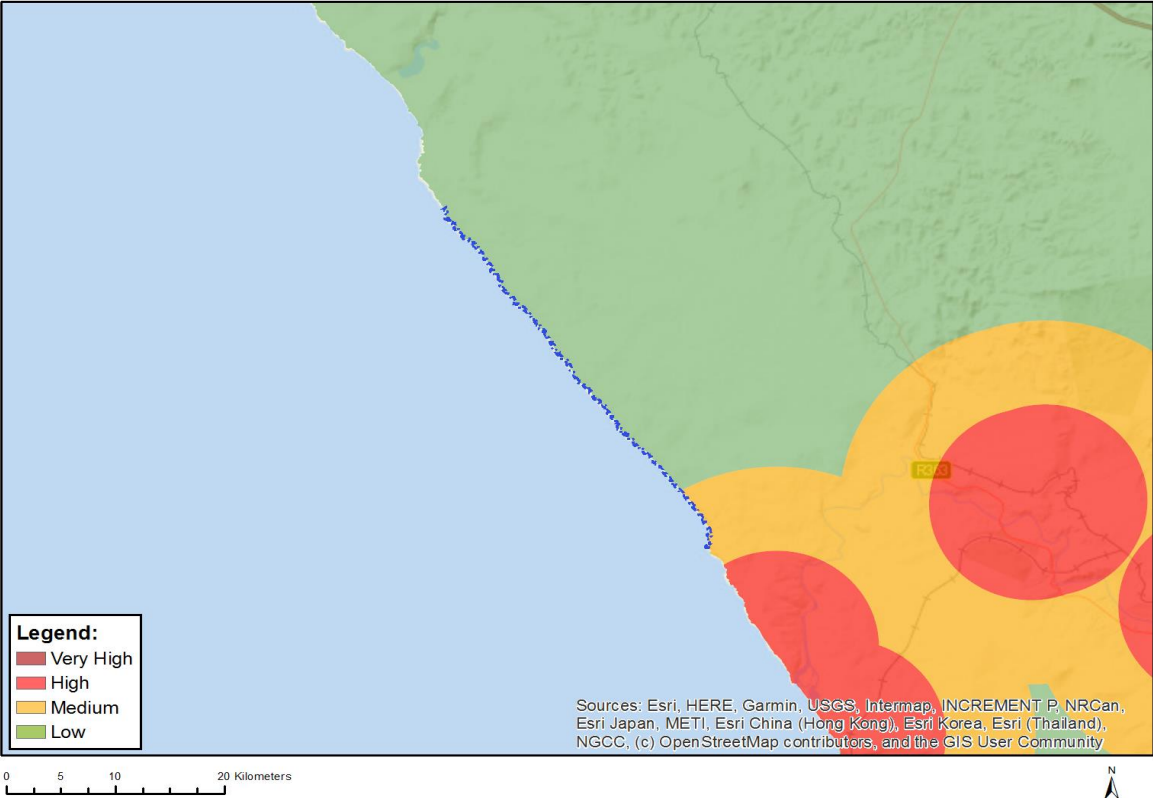


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
High	Within 100m of a Grade IIIb Heritage site
High	Within 50m of a Grade IIIc Heritage site
Low	Low sensitivity
Very High	Within 100m of an Ungraded Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

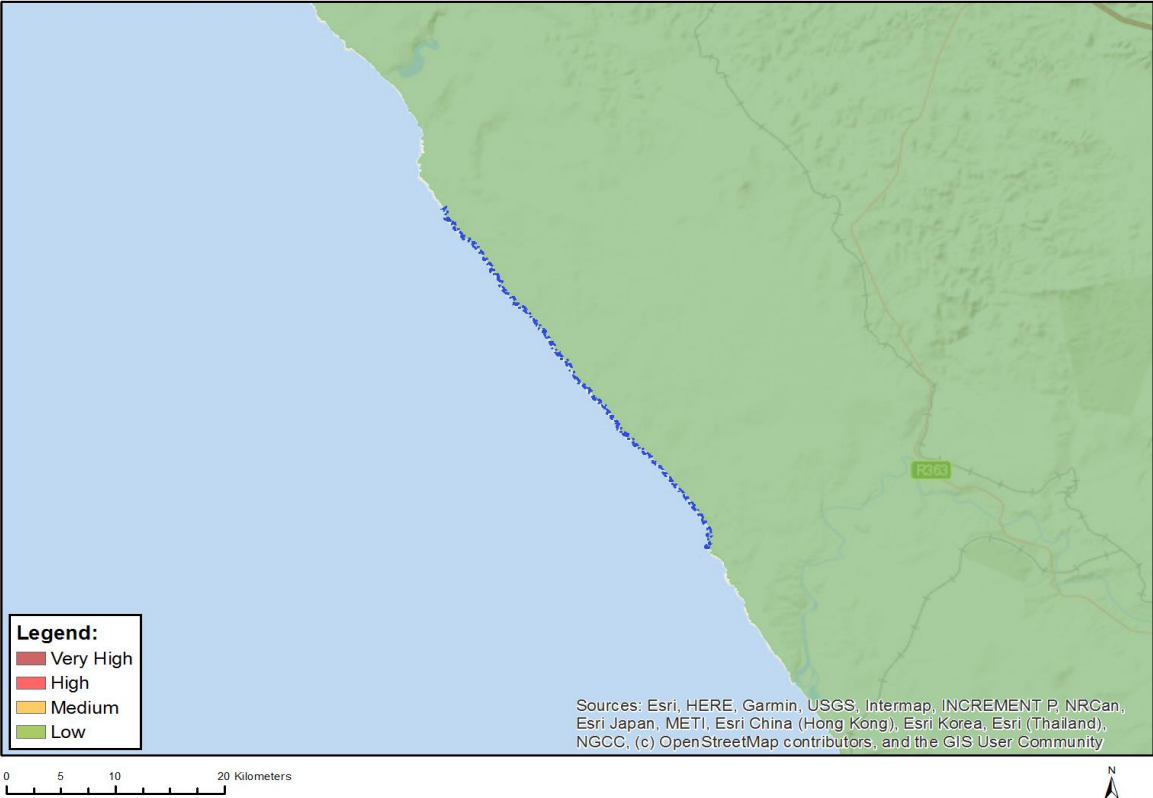


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

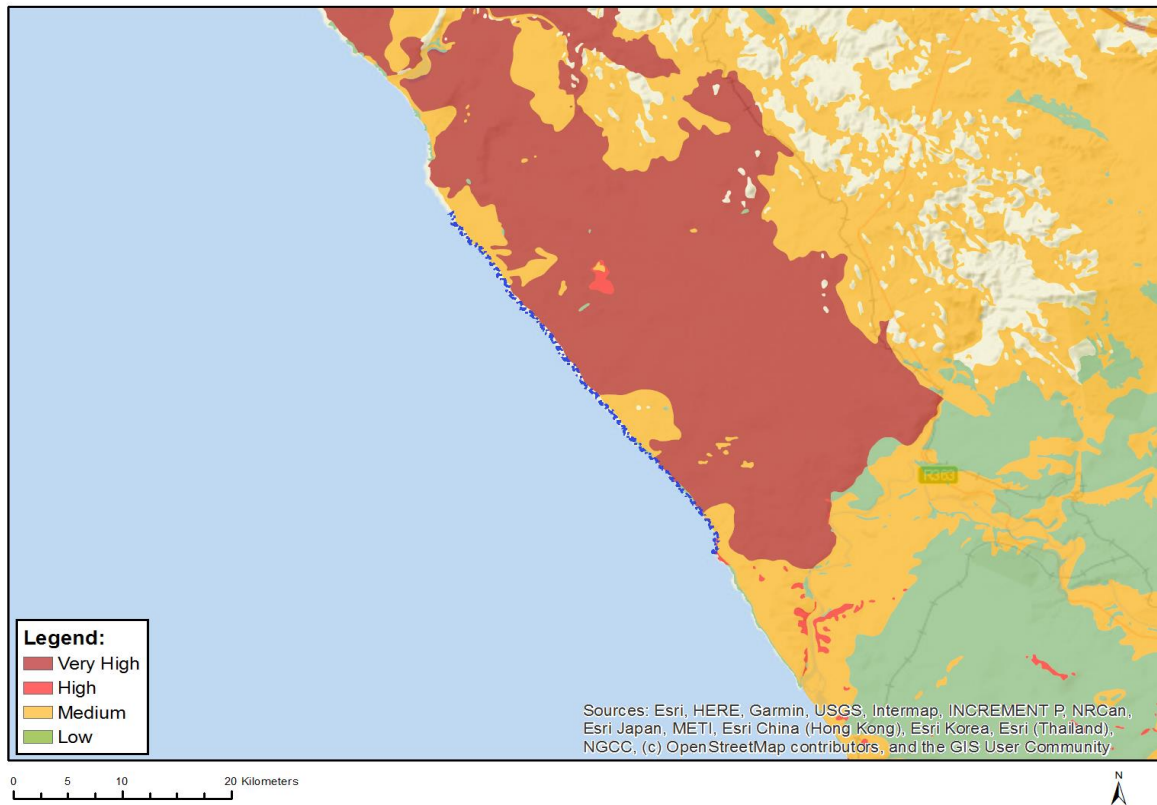


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

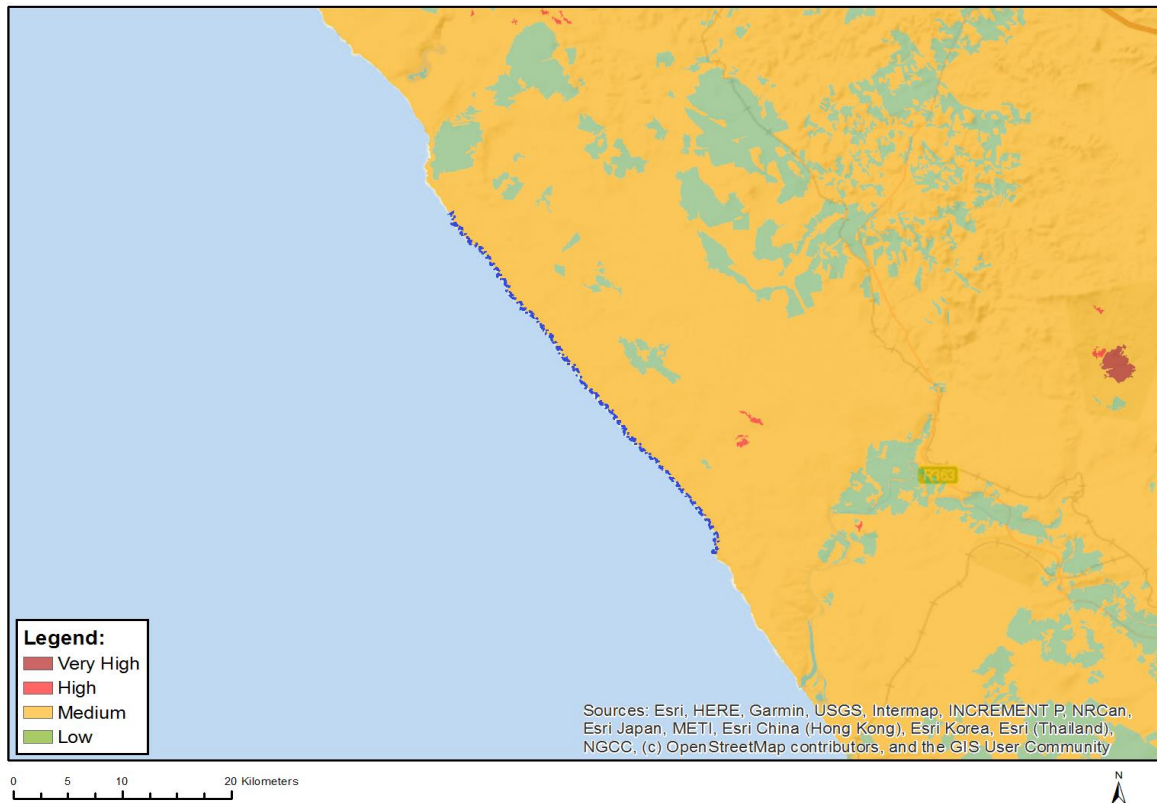


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Features with a High paleontological sensitivity
Low	Features with a Low paleontological sensitivity
Medium	Features with a Medium paleontological sensitivity
Very High	Features with a Very High paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



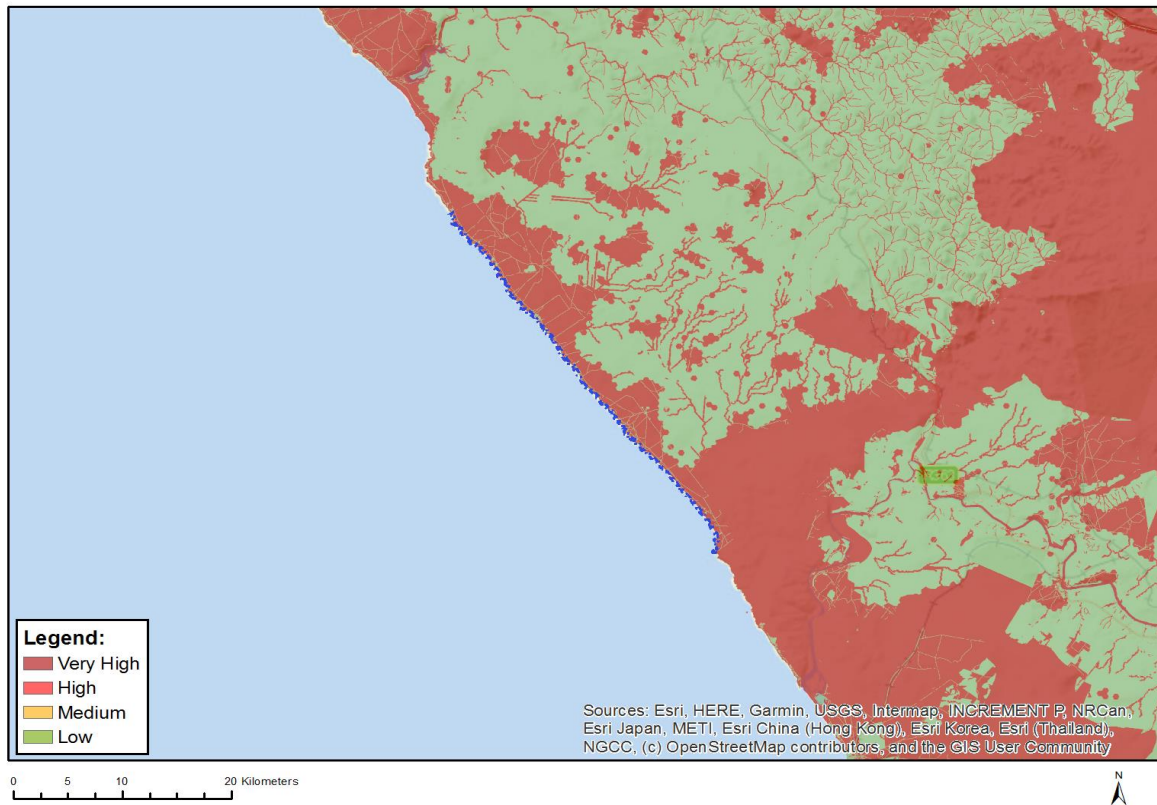
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Romulea lutea
Medium	Sensitive species 1002
Medium	Tetragonia pillansii
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata

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	Ecological Support Area 2
Very High	Critical Biodiversity Area 1

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

EIA Reference number: WCMP

Project name: 11a

Project title: EMP update

Date screening report generated: 15/07/2021 12:20:03

Applicant: Moonstone Diamond Marketing (Pty) Ltd

Compiler: Yvonne Gutoona

Compiler signature:

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Application Category: Mining|Mining Right

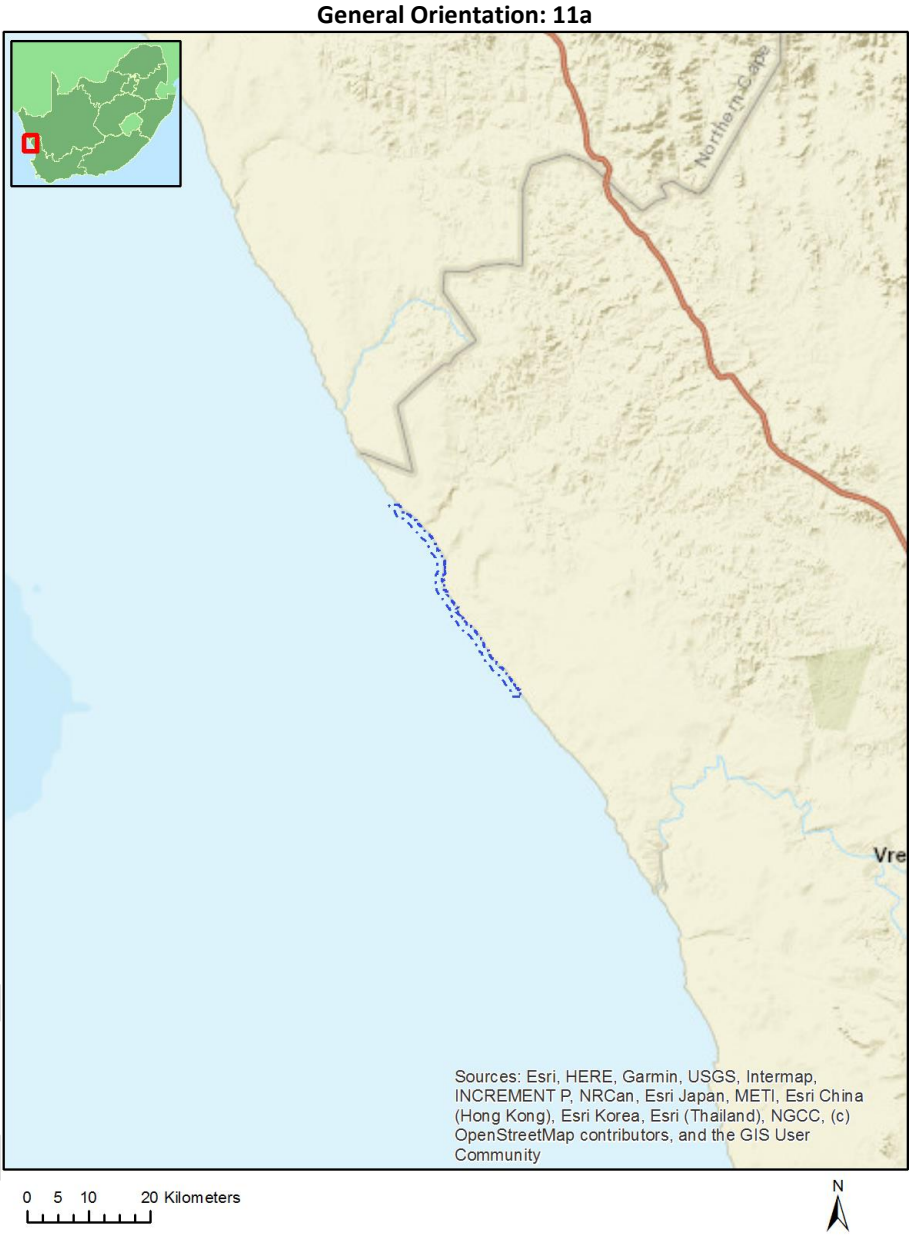
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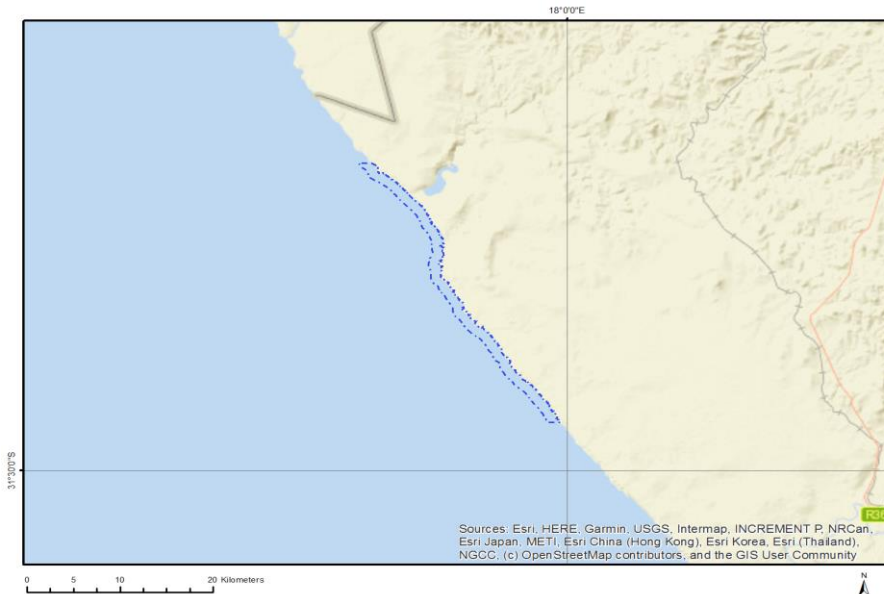
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Proposed Project Location

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 No	Portion	Latitude	Longitude	Property Type
1	RIETFontein EXTEN 5	151	0	31°14'11.29S	17°55'2.07E	Farm
2	PERSEEL WESKUS	200	0	31°26'21.25S	17°58'59.56E	Farm
3	PERSEEL WESKUS	198	0	31°28'31.16S	18°0'44.32E	Farm
4	GRAAUW DUINEN	152	0	31°19'36.75S	17°54'55.25E	Farm
5	PERSEEL WESKUS	205	0	31°22'0.89S	17°55'4.71E	Farm
6	KAROETJIES KOP	150	0	31°11'55.8S	17°50'2.06E	Farm
7	PERSEEL WESKUS	198	0	31°28'47.93S	18°0'58.08E	Farm Portion
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11	PERSEEL WESKUS	205	0	31°21'59.62S	17°55'4.68E	Farm Portion
12	KAROETJIES KOP	150	1	31°11'56.26S	17°47'43.15E	Farm Portion

Development footprint¹ vertices:

No development footprint(s) specified.

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.

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 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:

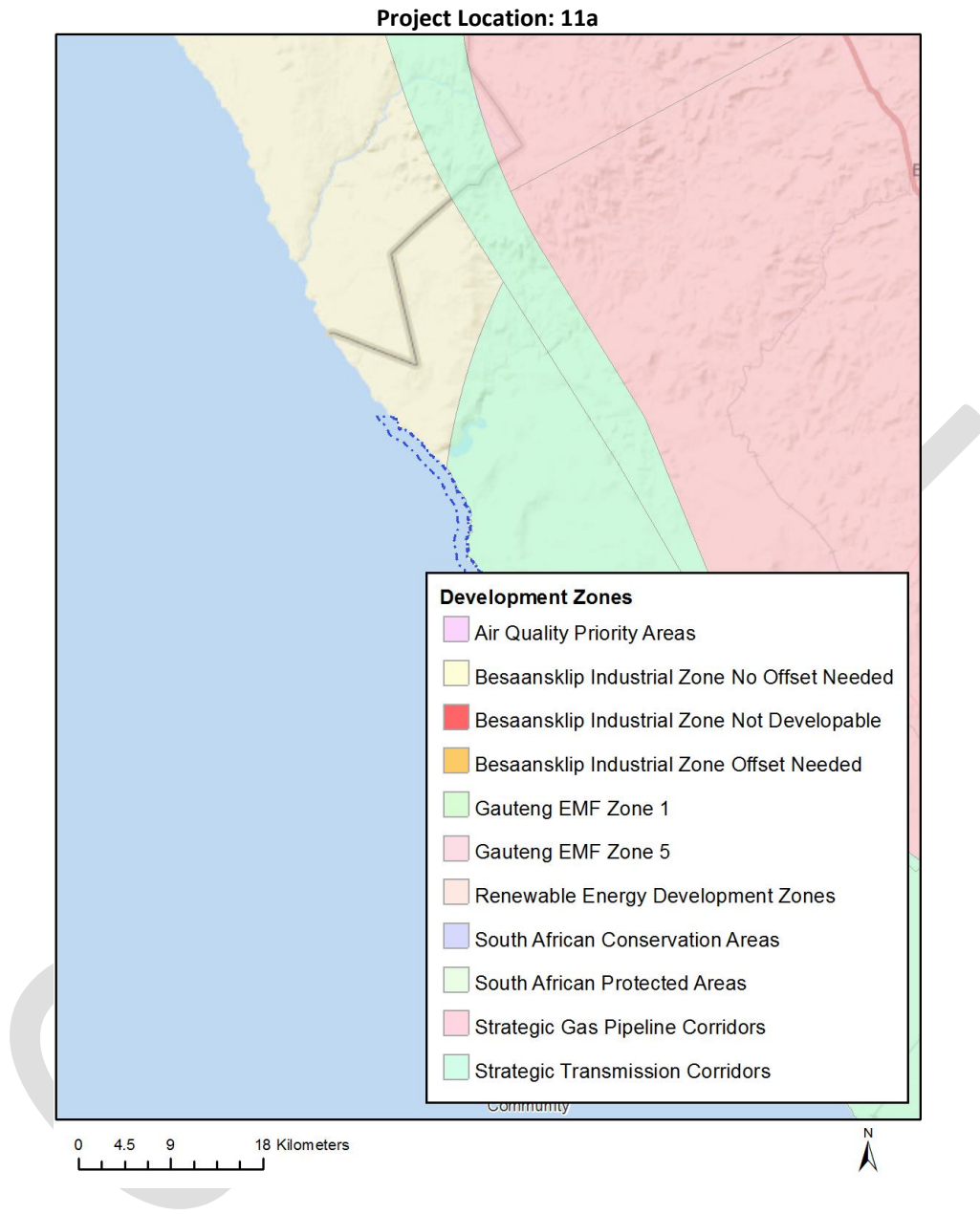
Mining | Mining Right.

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.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.

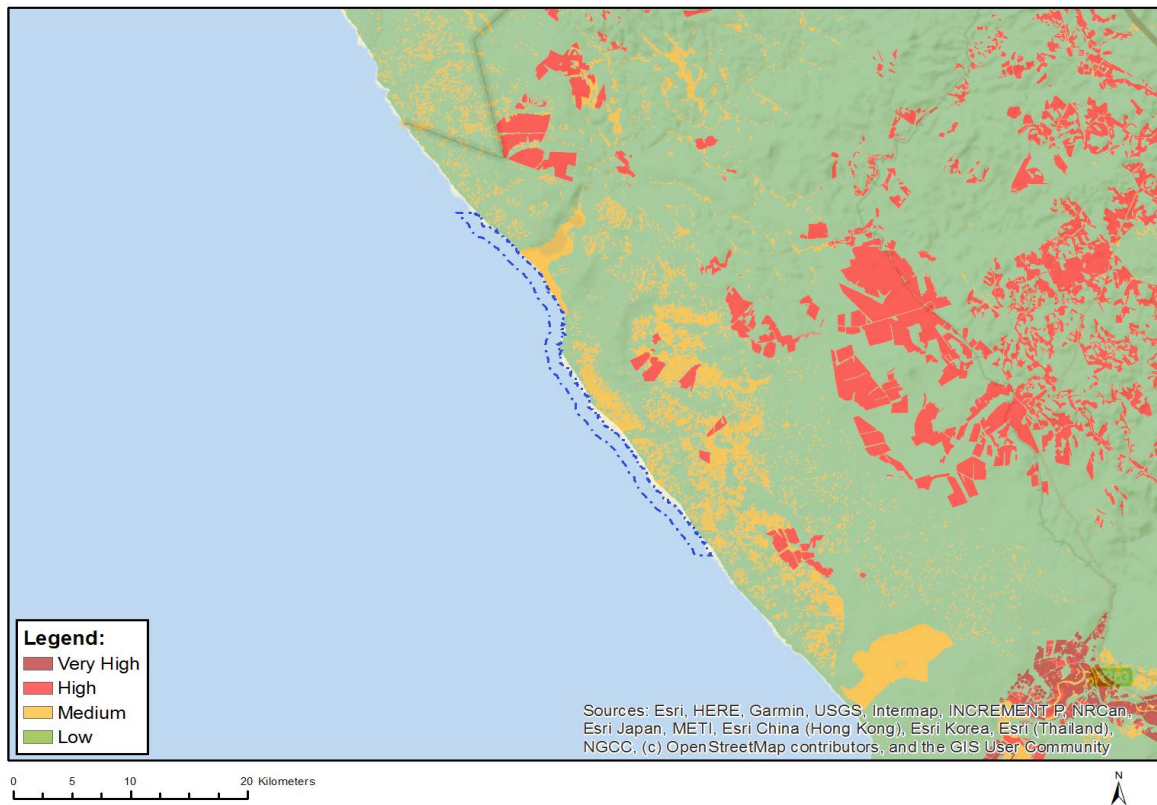
N o	Special ist assessm ent	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

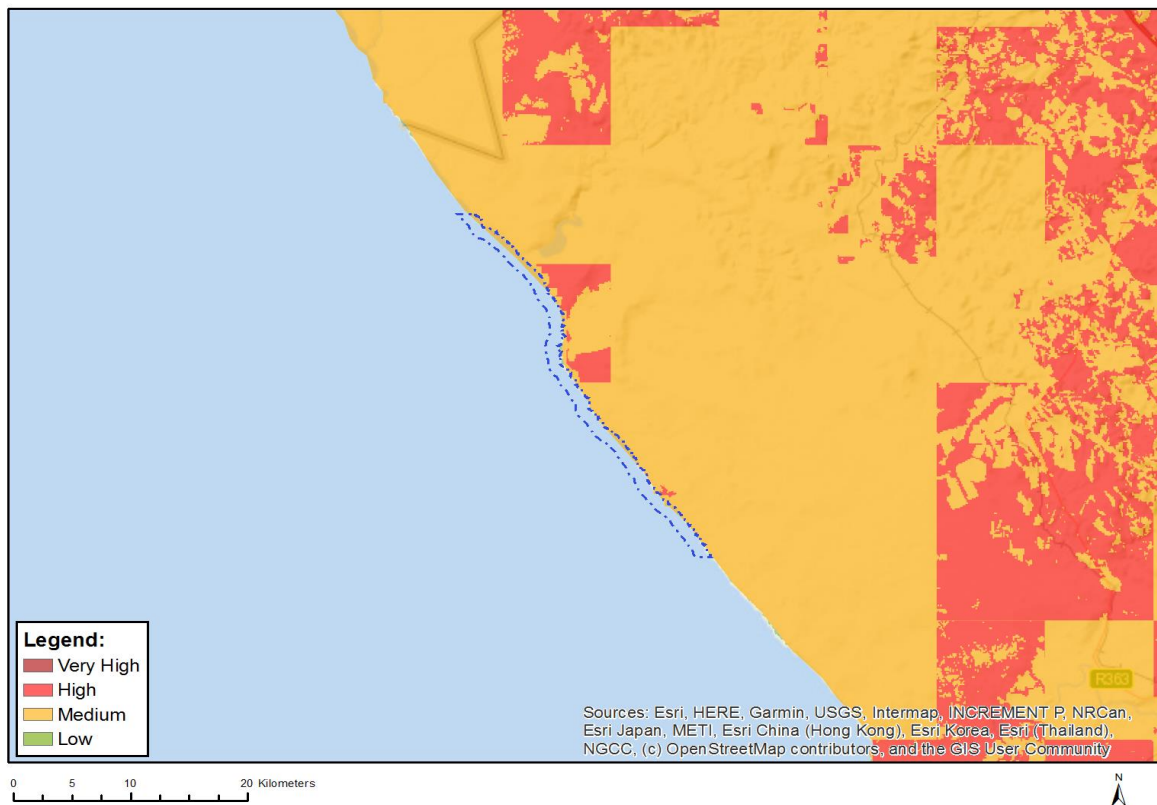


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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



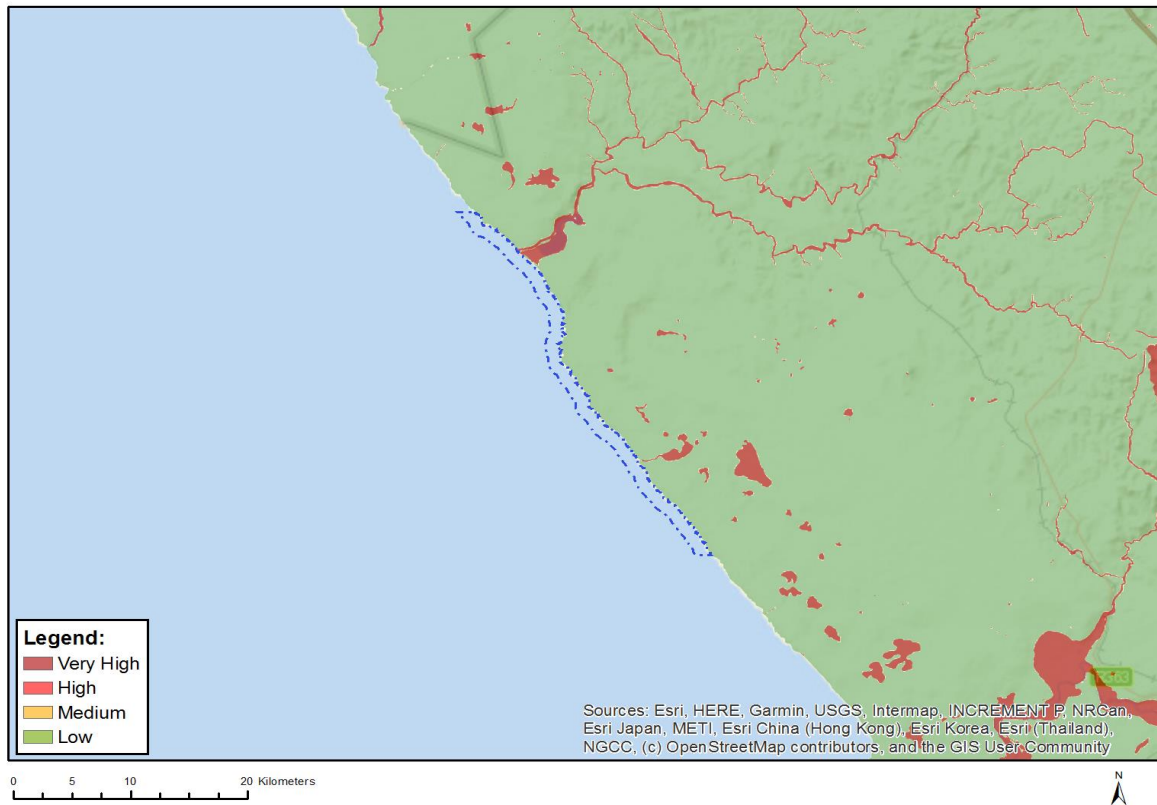
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Sensitive species 13
High	Aves-Circus maurus
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Aves-Circus maurus
Medium	Sensitive species 13

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

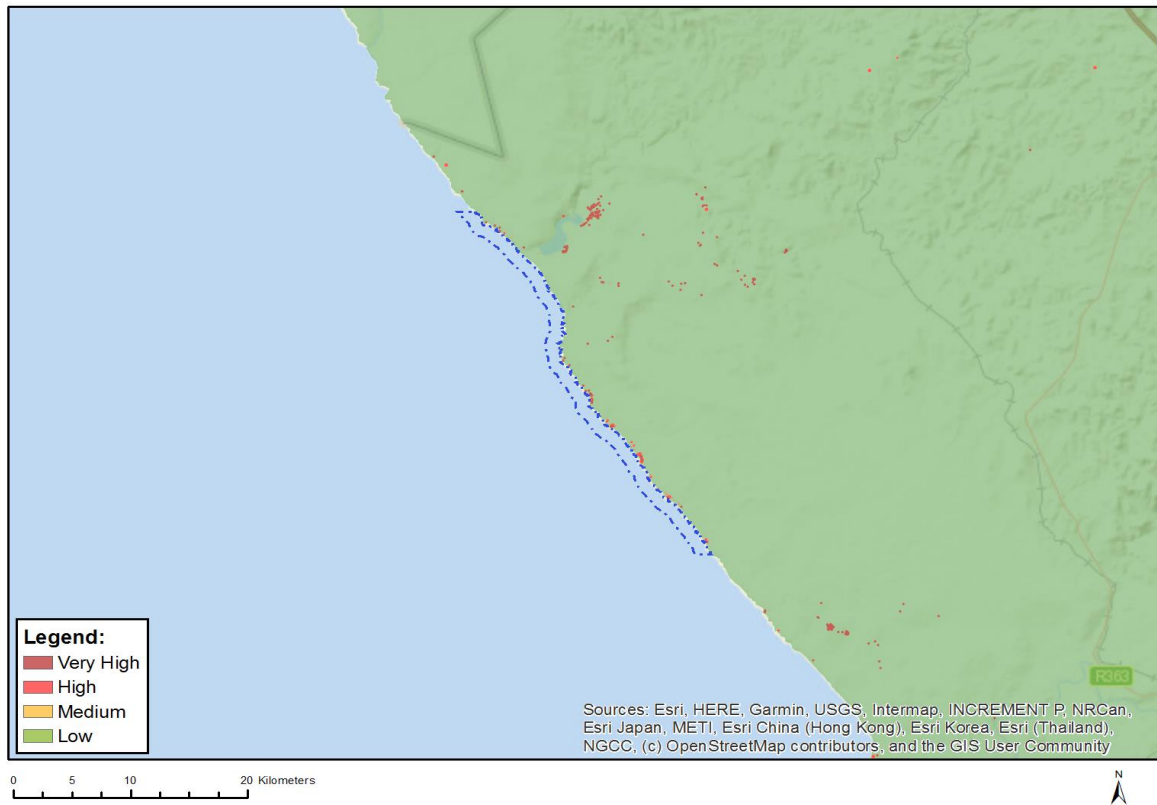


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

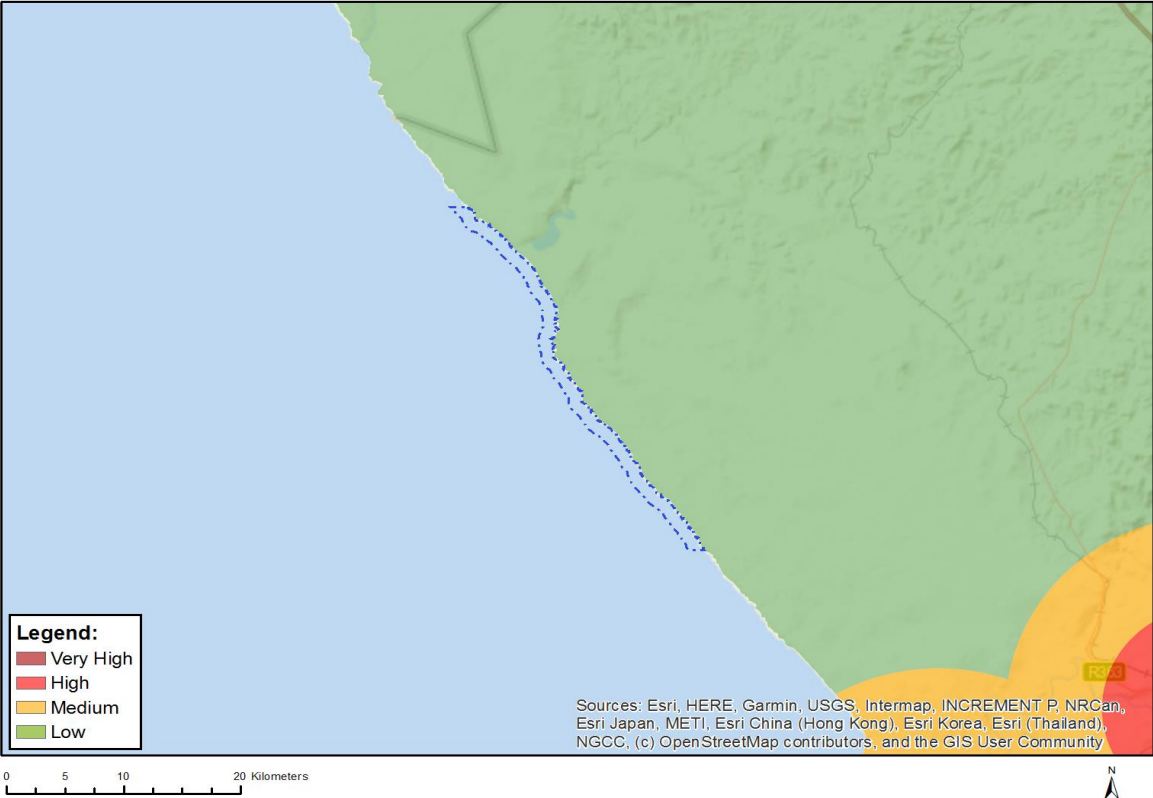


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

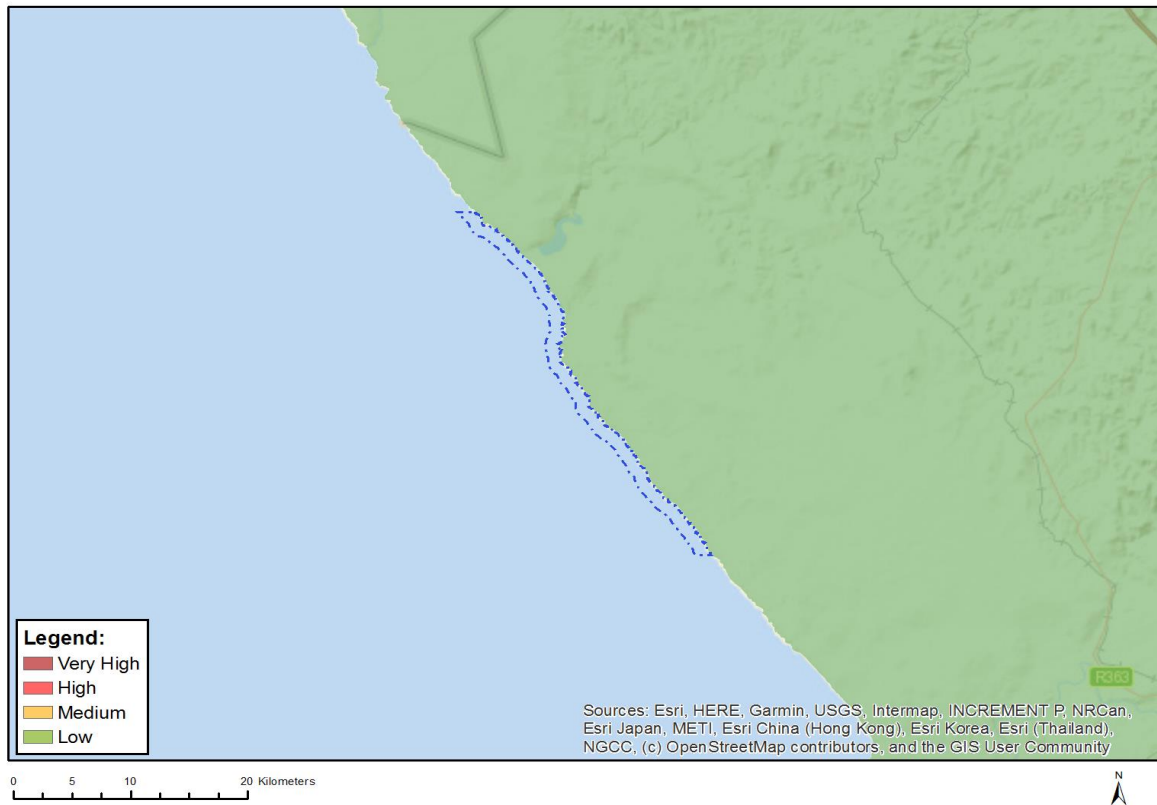


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

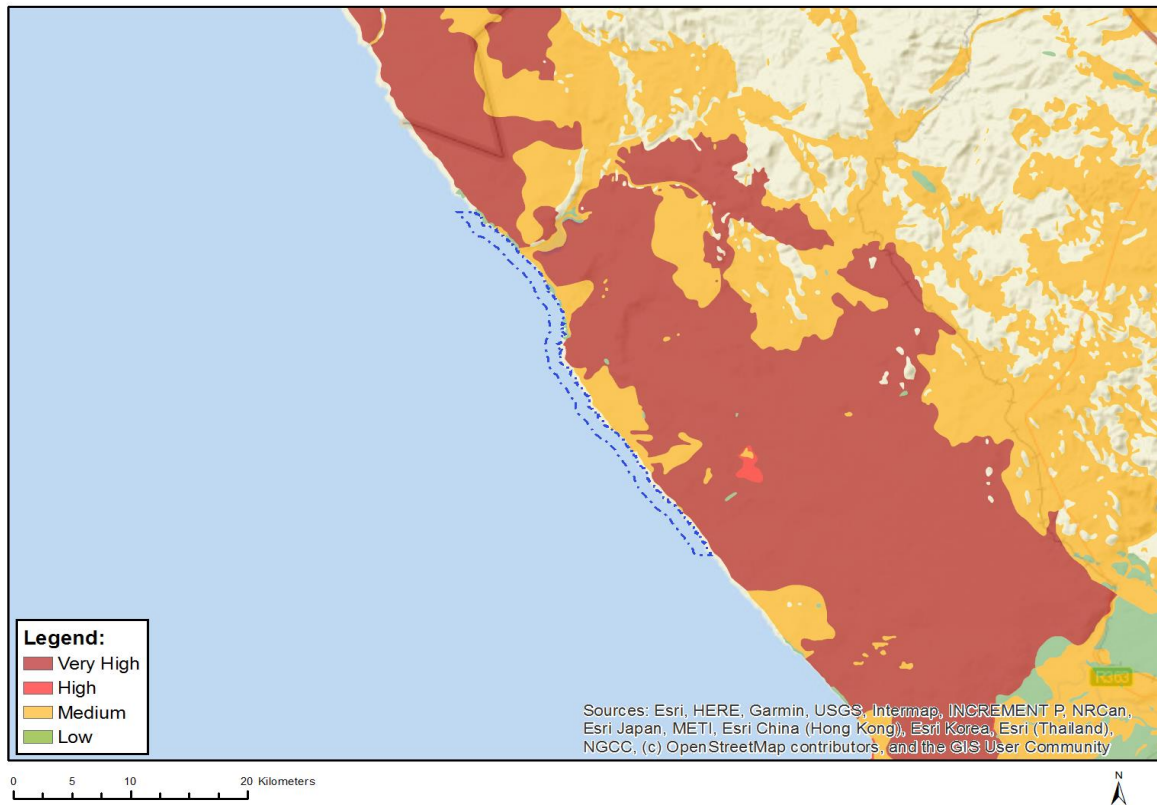


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

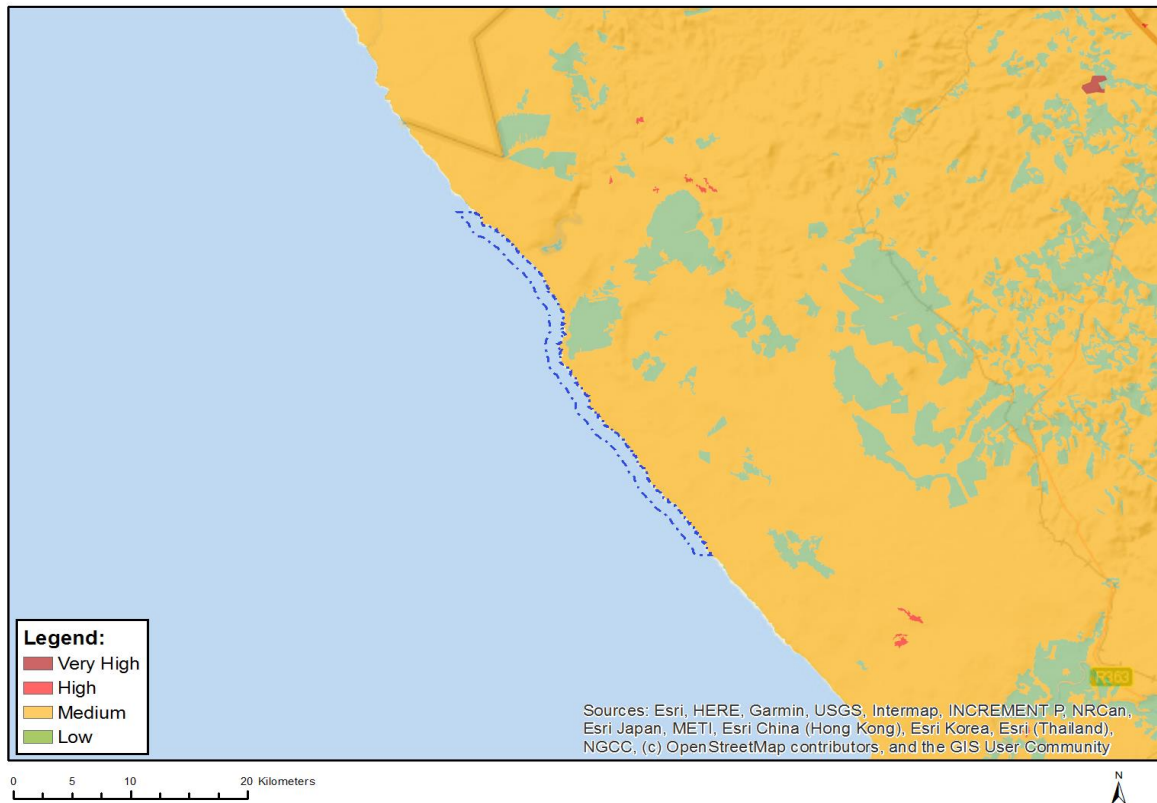


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



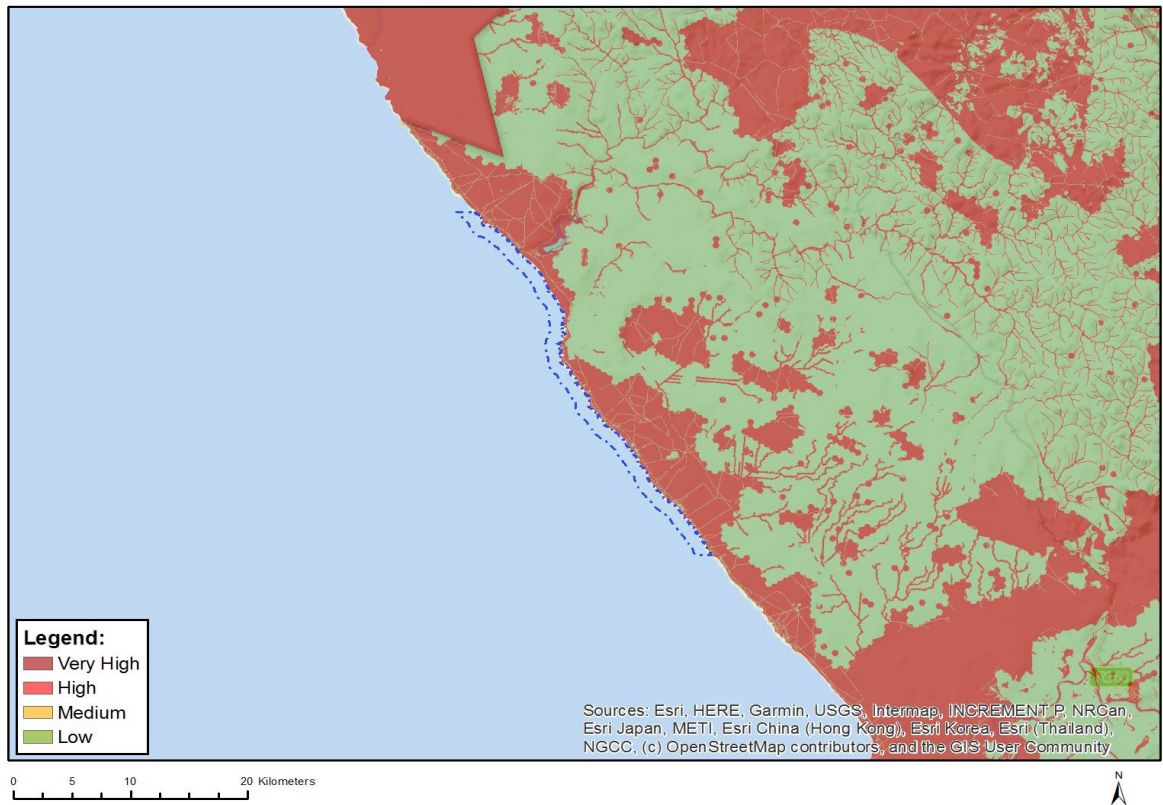
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Manulea cinerea
Medium	Romulea lutea
Medium	Sensitive species 1002
Medium	Tetragonia pillansii
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Argyrobium velutinum
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata

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

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

EIA Reference number: WC10132

Project name: 12a Bethel

Project title: EMP Update

Date screening report generated: 15/07/2021 12:43:24

Applicant: Moonstone Diamond Marketing

Compiler: EAP

Compiler signature:
.....

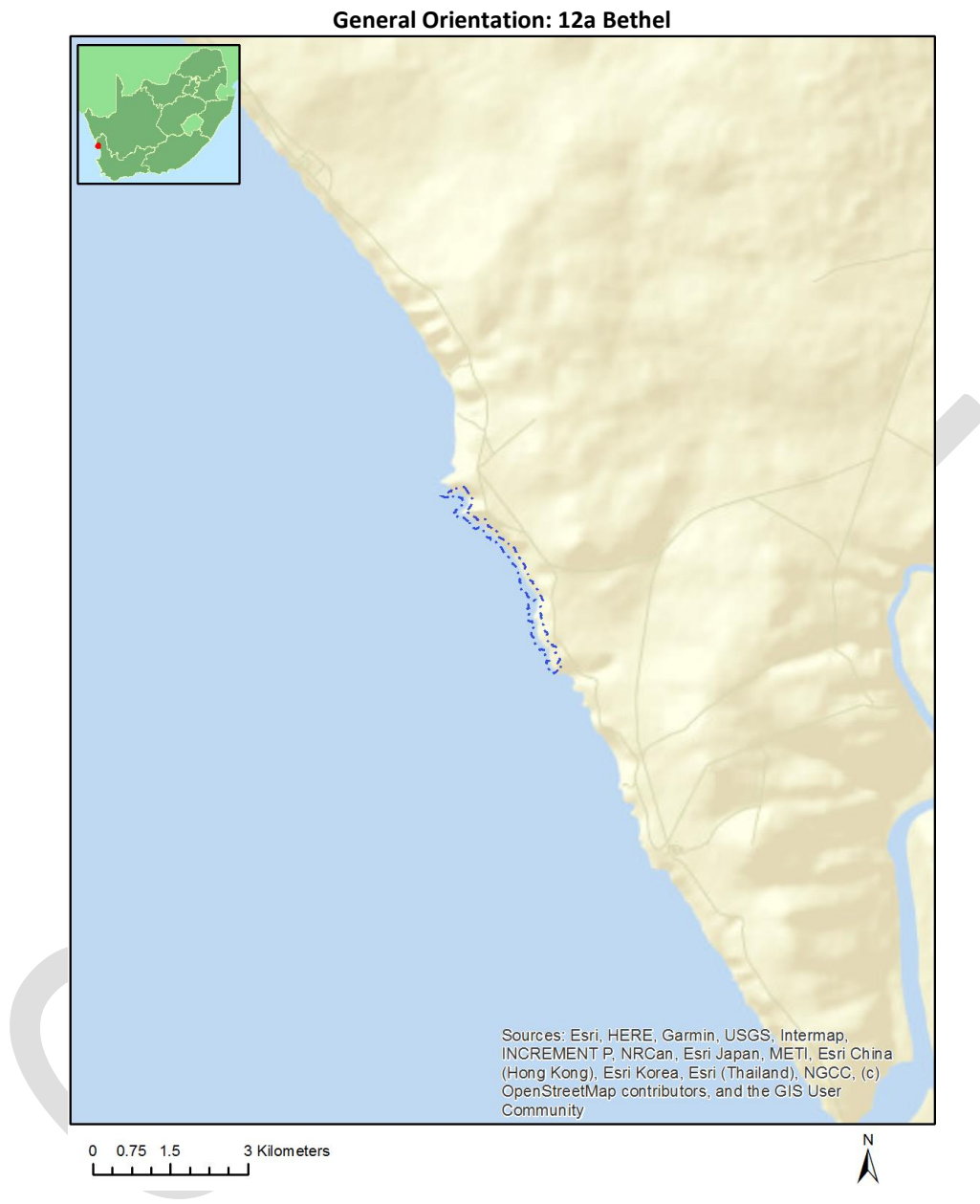
Application Category: Mining|Mining Right

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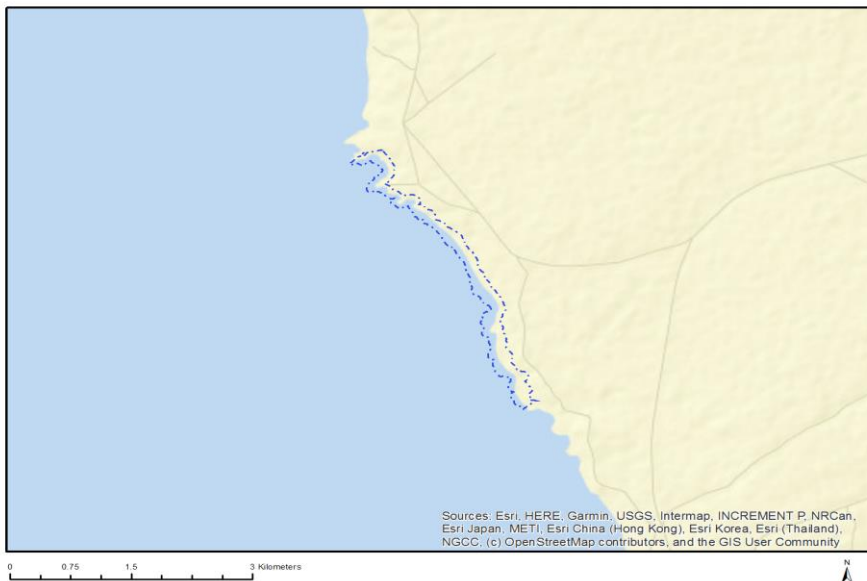
Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	4
Environmental 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
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MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	11
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	12
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MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	16
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	17

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	OLIFANTS RIVER SETTLEMENT	317	0	31°37'38.03S	18°8'18.47E	Erven
2	OLIFANTS RIVER SETTLEMENT	615	0	31°36'56.19S	18°9'29.39E	Erven
3	GEELWAL KAROO	262	0	31°32'28.88S	18°5'21.99E	Farm
4	GEELWAL KAROO	262	2	31°32'47.25S	18°5'8.19E	Farm Portion
5		193	0	31°32'59.39S	18°5'19.8E	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 nearby wind or solar developments found.

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.

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:

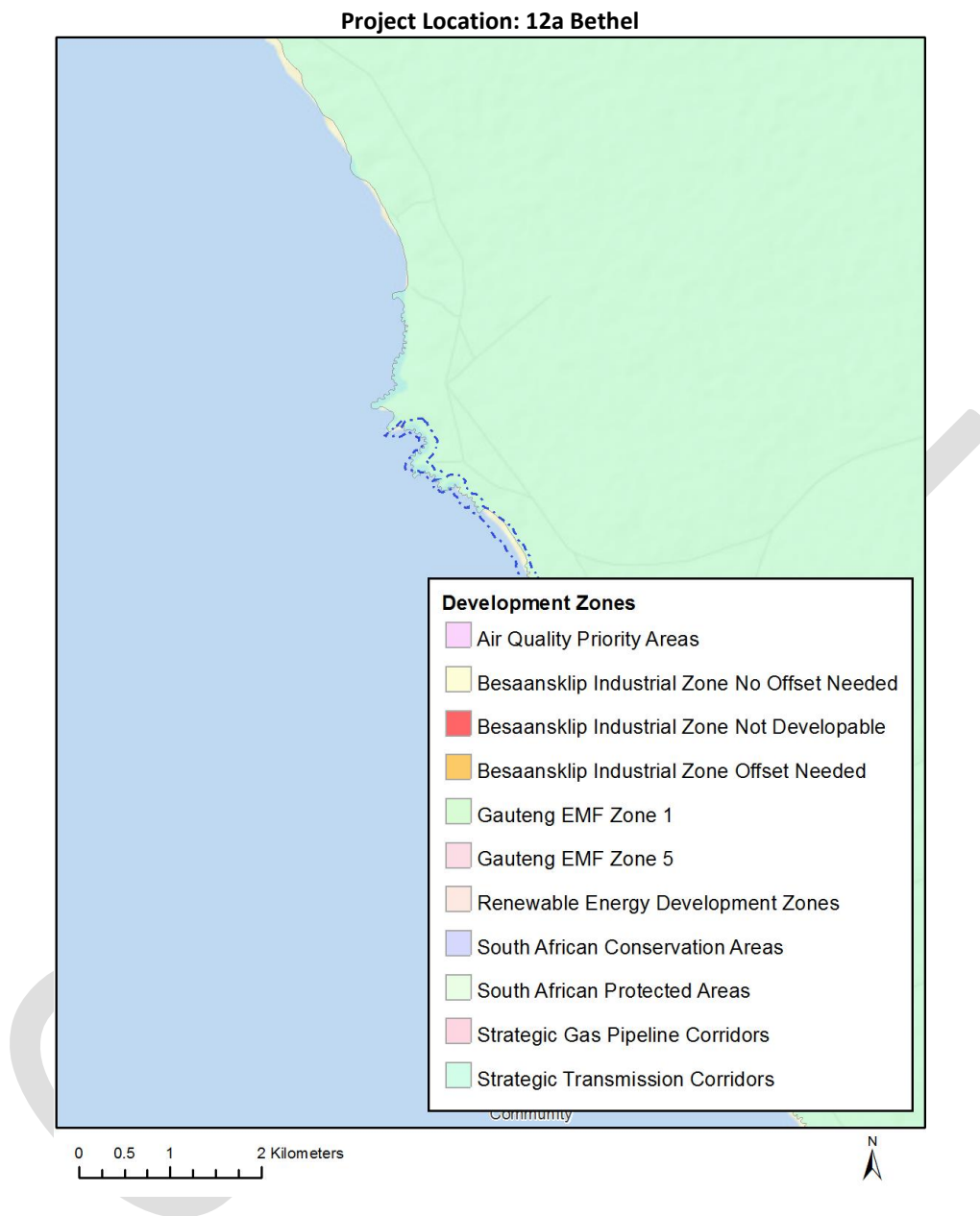
Mining | Mining Right.

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.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.

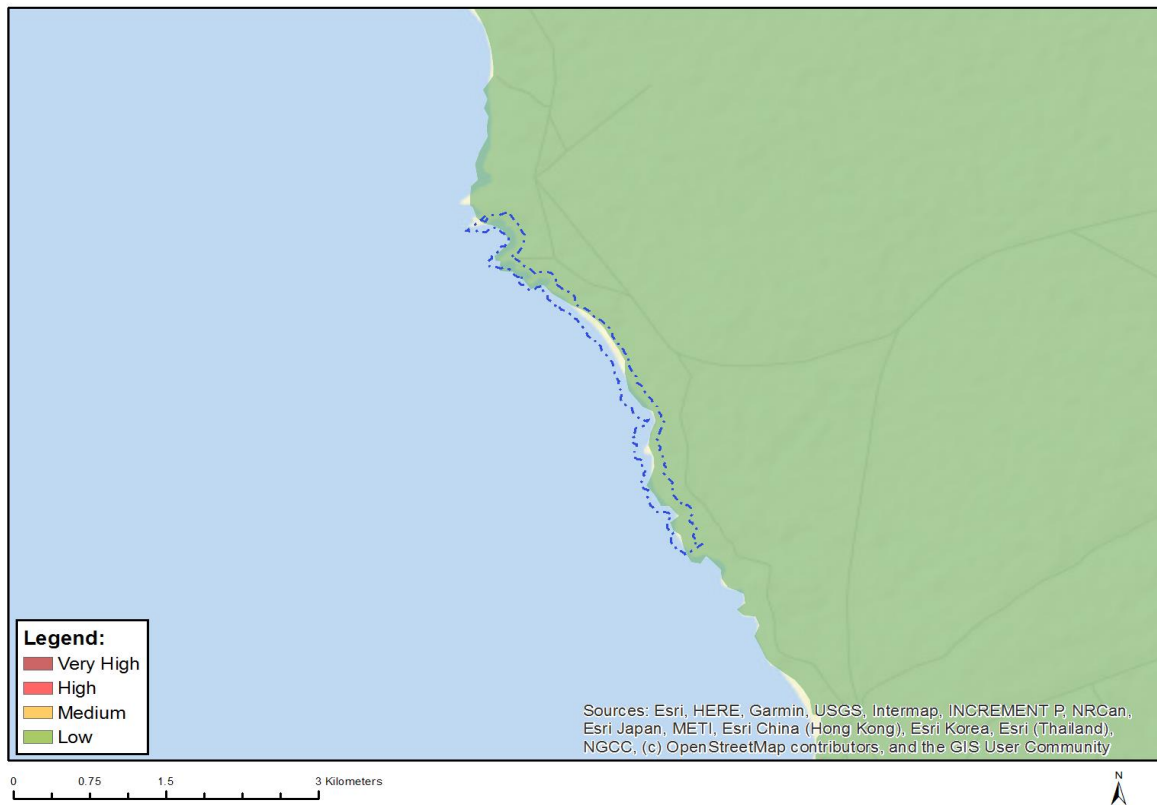
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

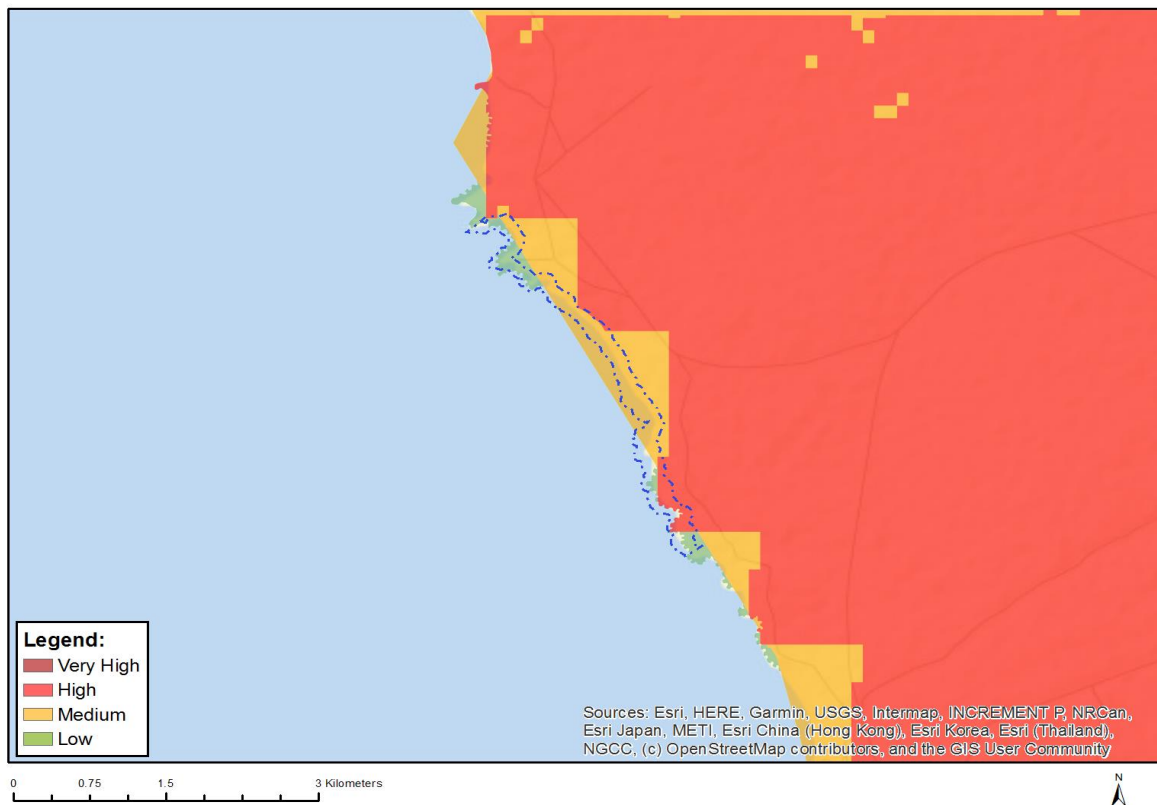


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



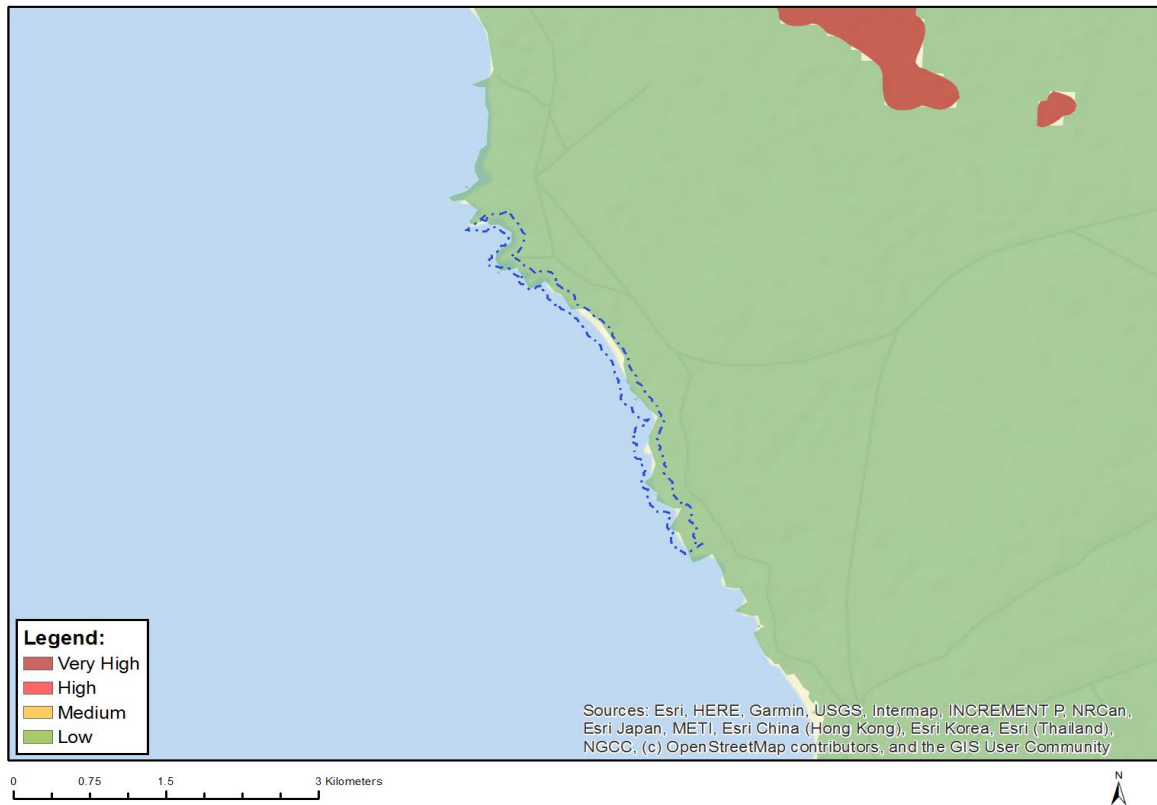
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 maurus
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Aves-Neotis ludwigii
Medium	Sensitive species 13

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

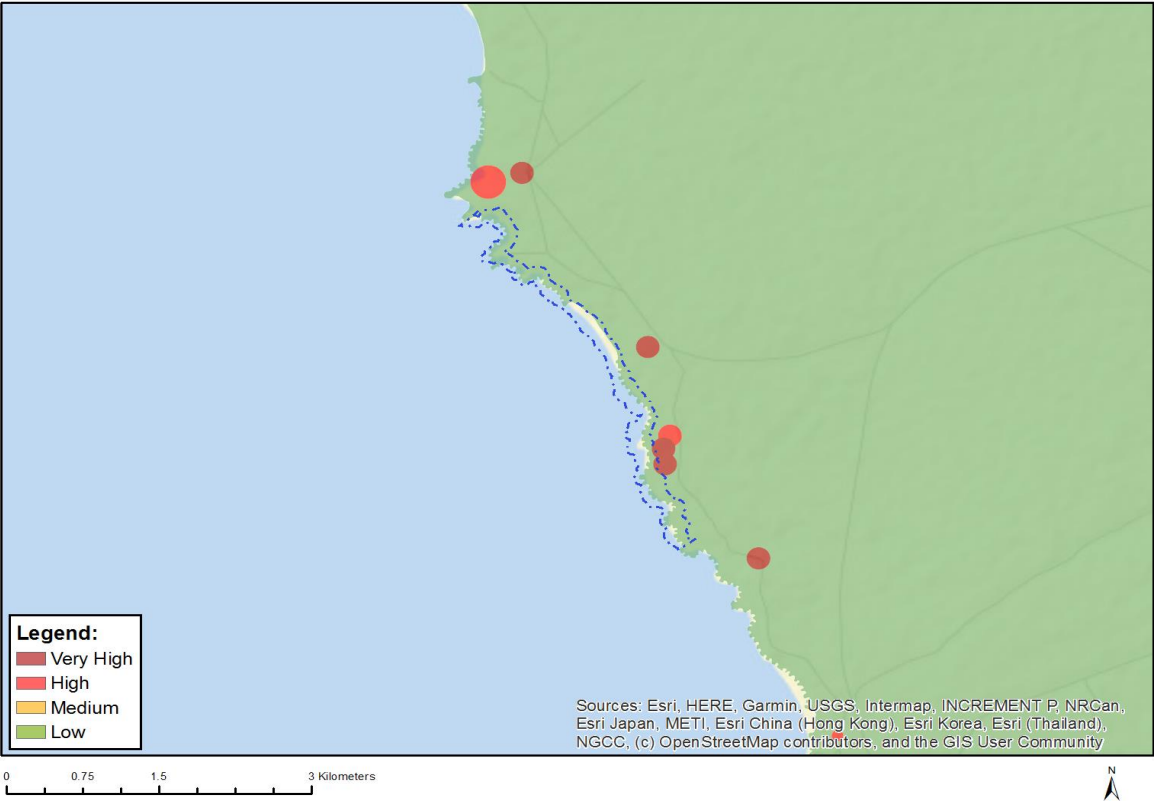


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

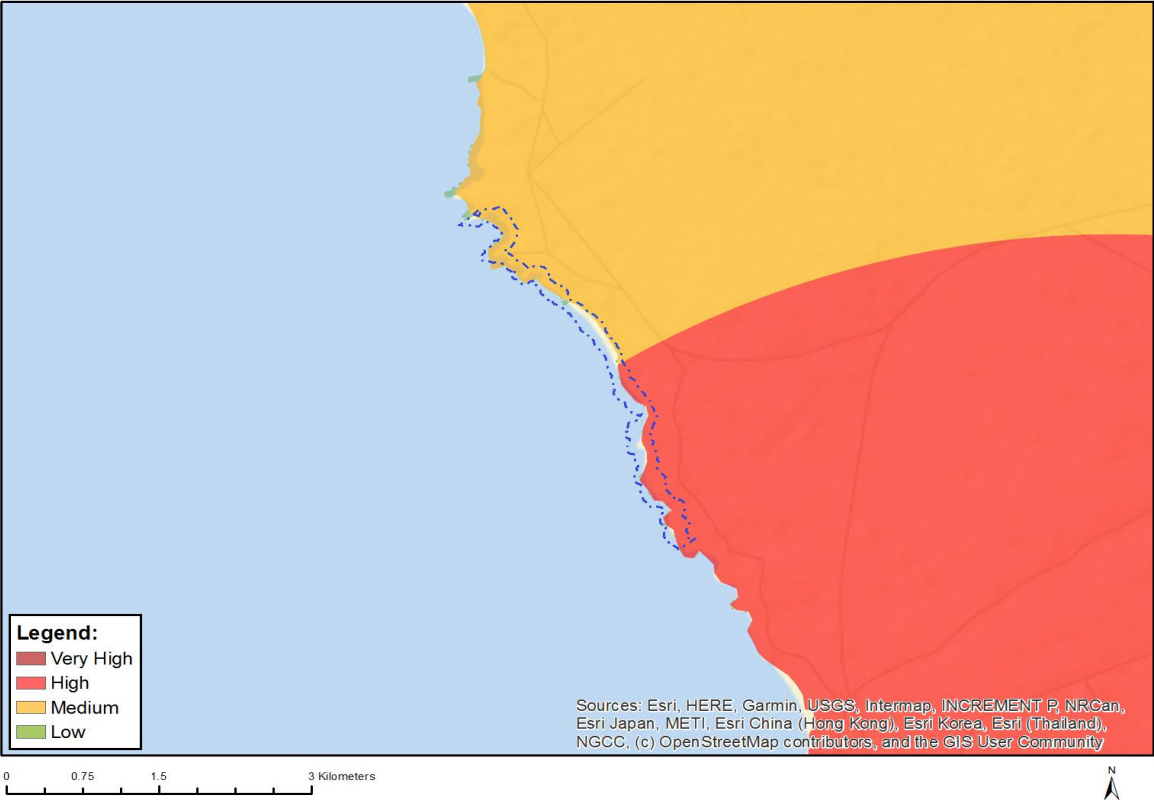


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Within 100m of an Ungraded Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

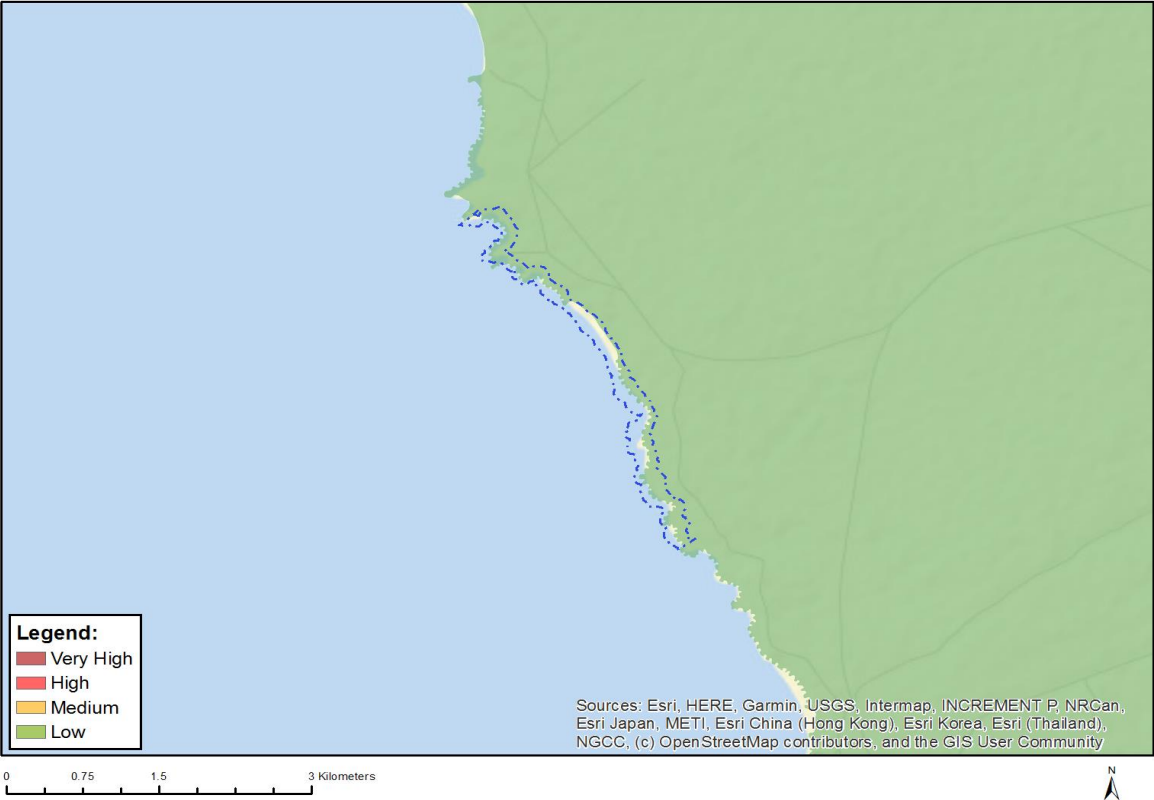


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

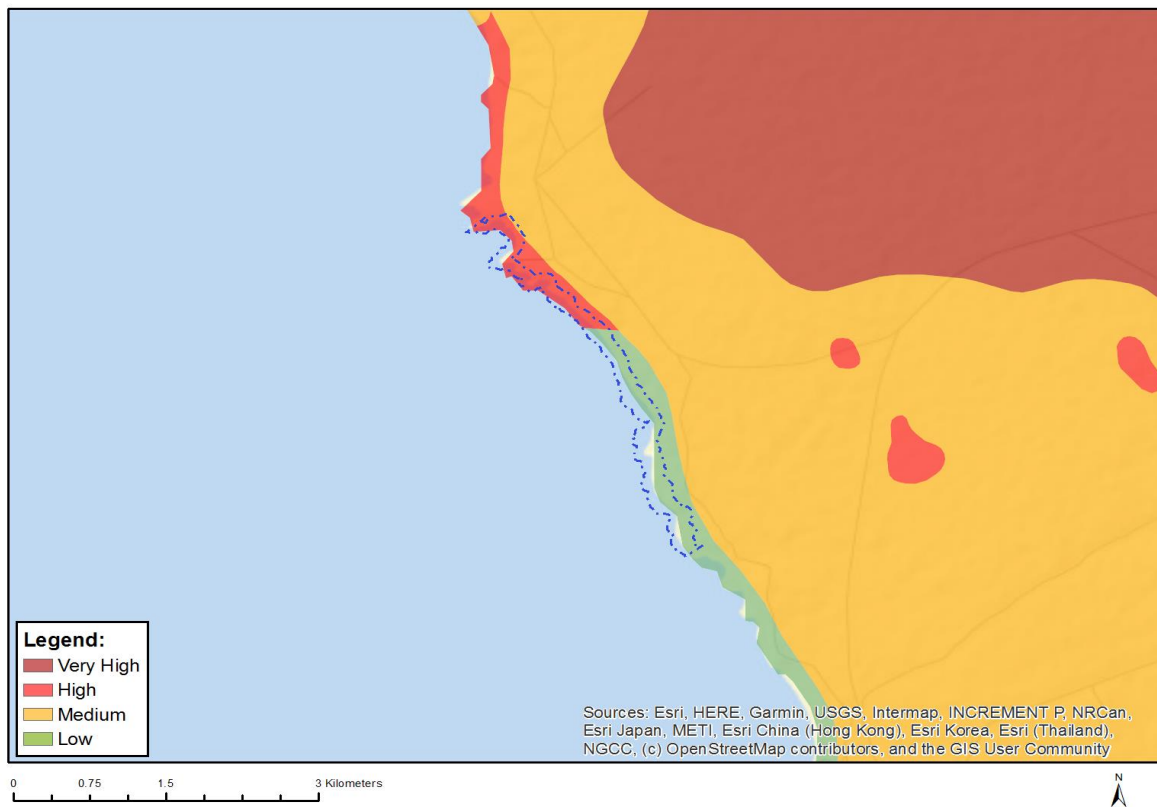


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

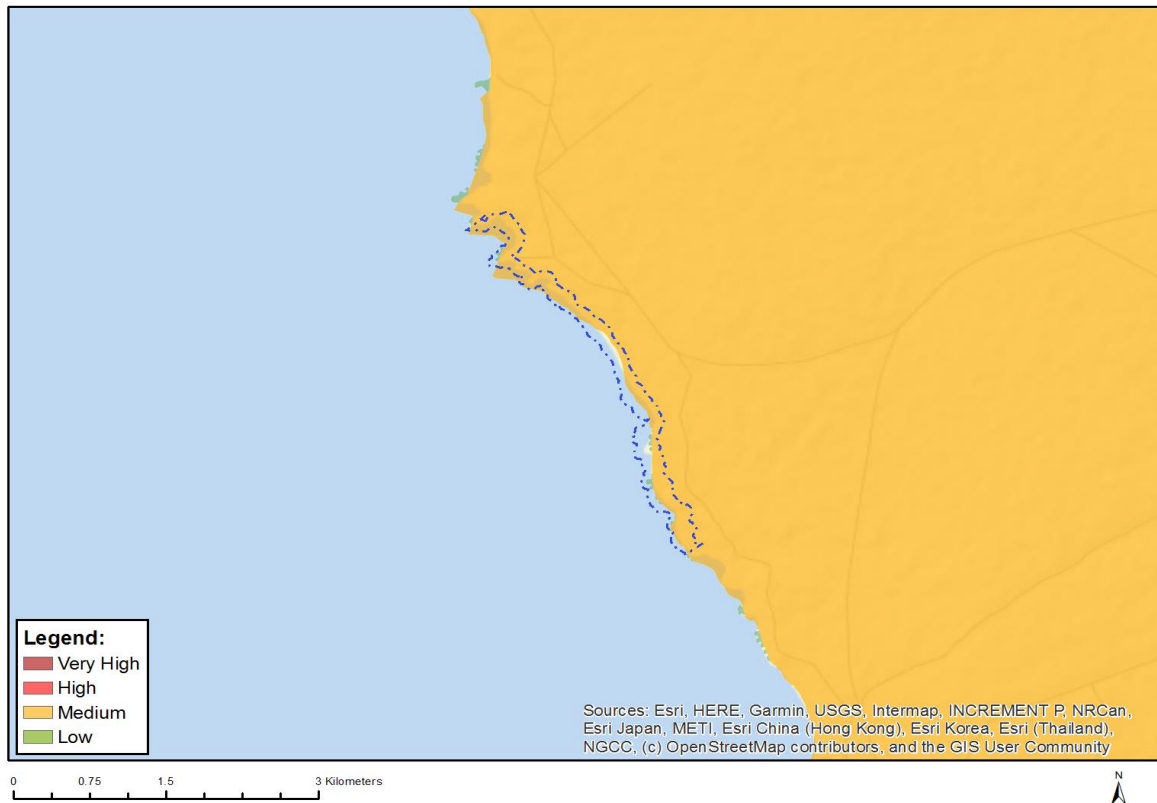


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Features with a High paleontological sensitivity
Low	Features with a Low paleontological sensitivity
Medium	Features with a Medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



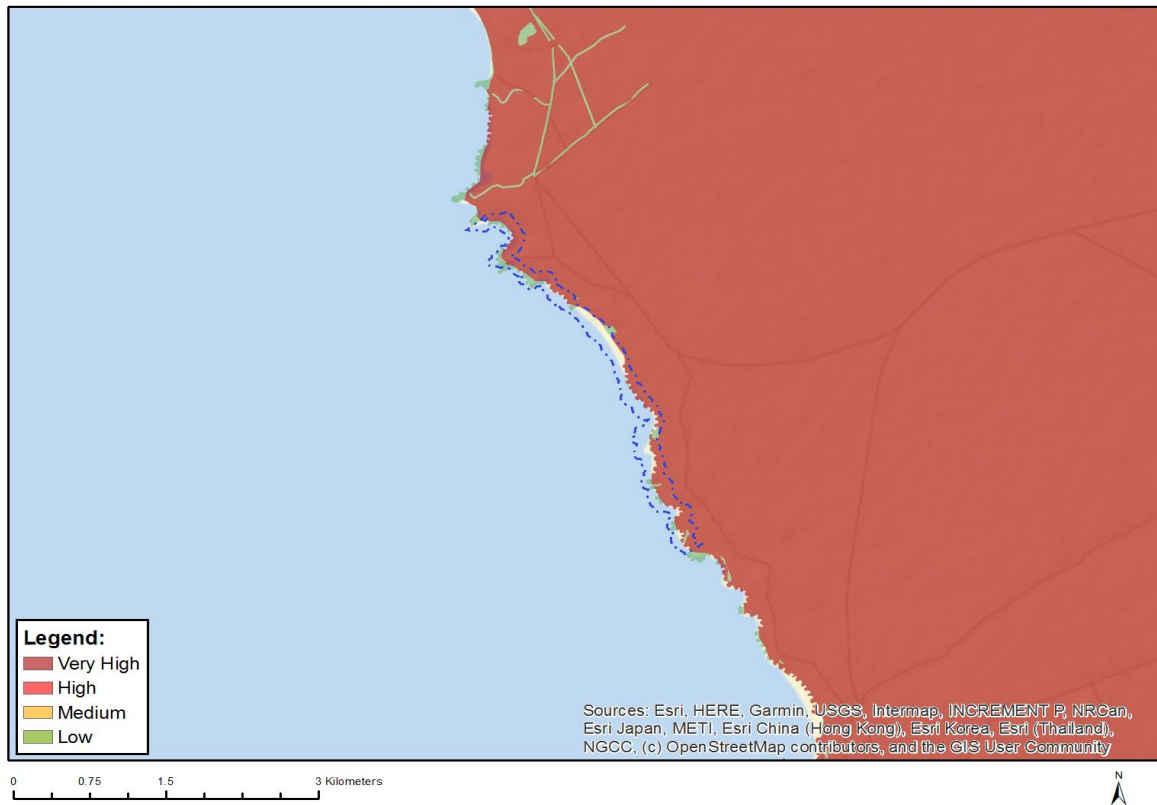
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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Ruschia bipapillata
Medium	Romulea lutea
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Aspalathus obtusata
Medium	Muraltia obovata

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	Ecological Support Area 2
Very High	Critical Biodiversity Area 1
Very High	Focus Areas for land-based protected areas expansion

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

EIA Reference number: WC10133MR

Project name: 12a De Punt

Project title: EMP update

Date screening report generated: 15/07/2021 13:01:17

Applicant: Moonstone Diamond Marketing

Compiler: EAP

Compiler signature:
.....

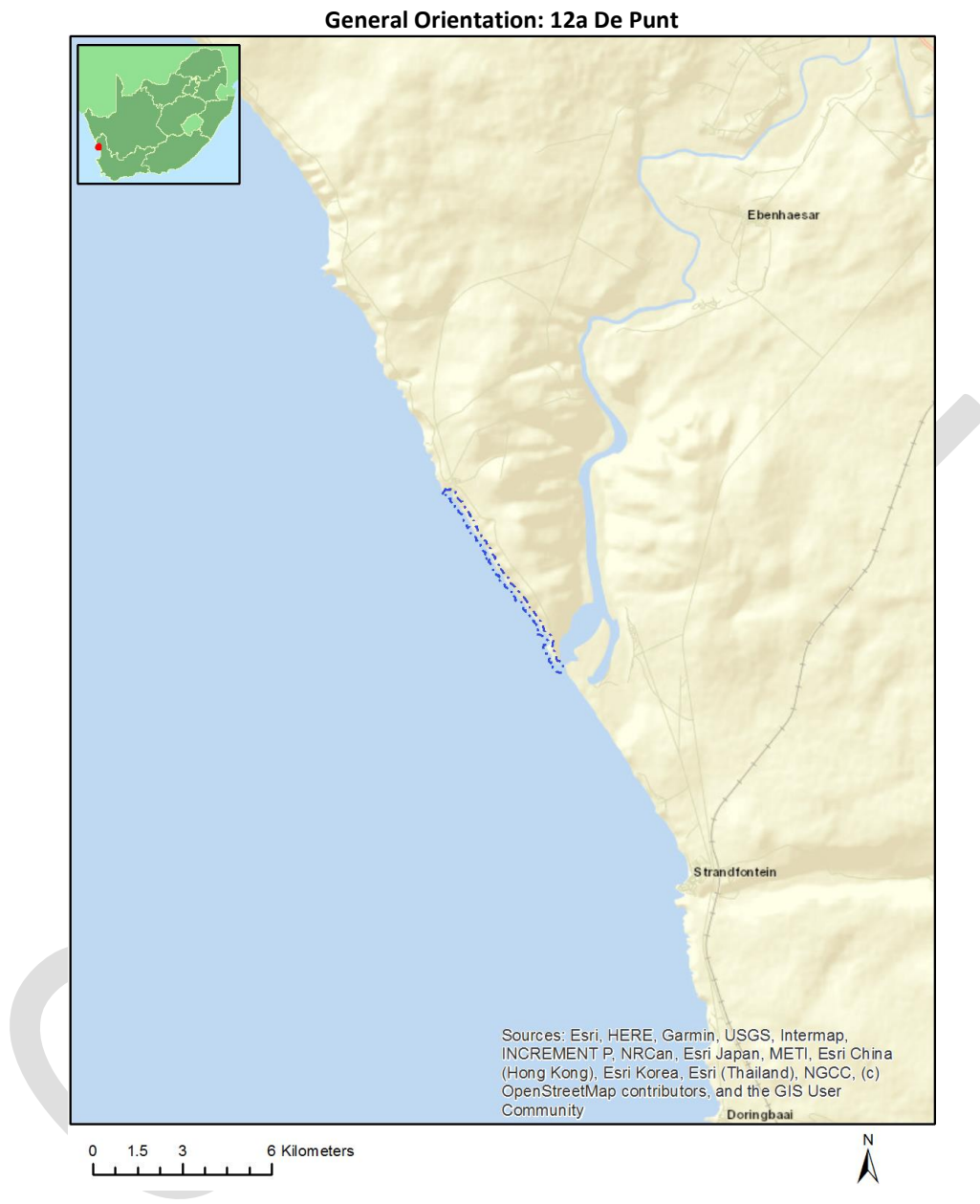
Application Category: Mining|Mining Right

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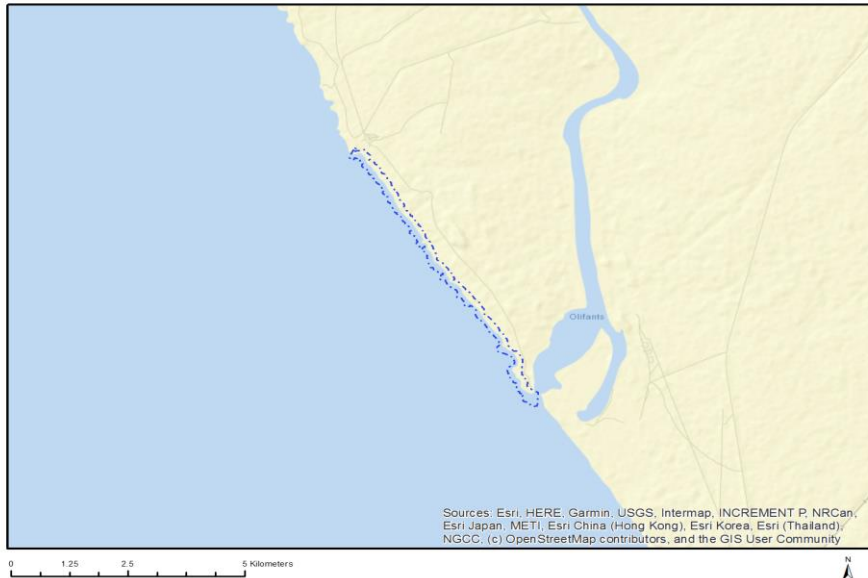
- Proposed Project Location 3
 - Orientation map 1: General location 3
- Map of proposed site and relevant area(s) 4
 - Cadastral details of the proposed site 4
 - Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed 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 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
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 - MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY 15
 - MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY 16
 - MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY 17

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	THE POINT	267	0	31°39'44.07S	18°10'48.85E	Farm
2	THE POINT	267	1	31°41'10.3S	18°11'36.57E	Farm Portion
3	THE POINT	267	0	31°39'36.27S	18°10'49.18E	Farm Portion
4	THE POINT	267	2	31°41'35.52S	18°11'11.75E	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 No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2178	Solar PV	Approved	27.6

Environmental Management Frameworks relevant to the application

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 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:

Mining | Mining Right.

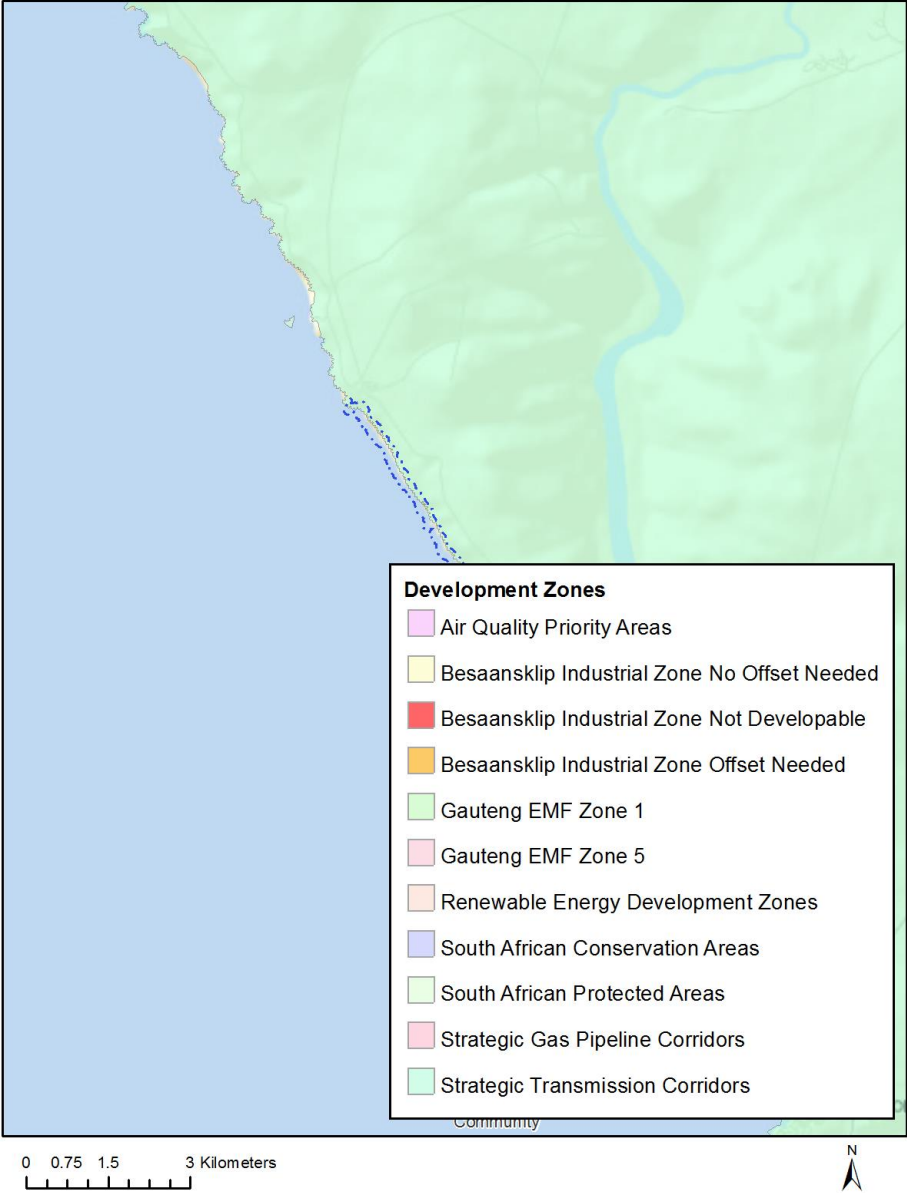
Relevant development incentives, restrictions, exclusions or prohibitions

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.pdf

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

Project Location: 12a De Punt



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.

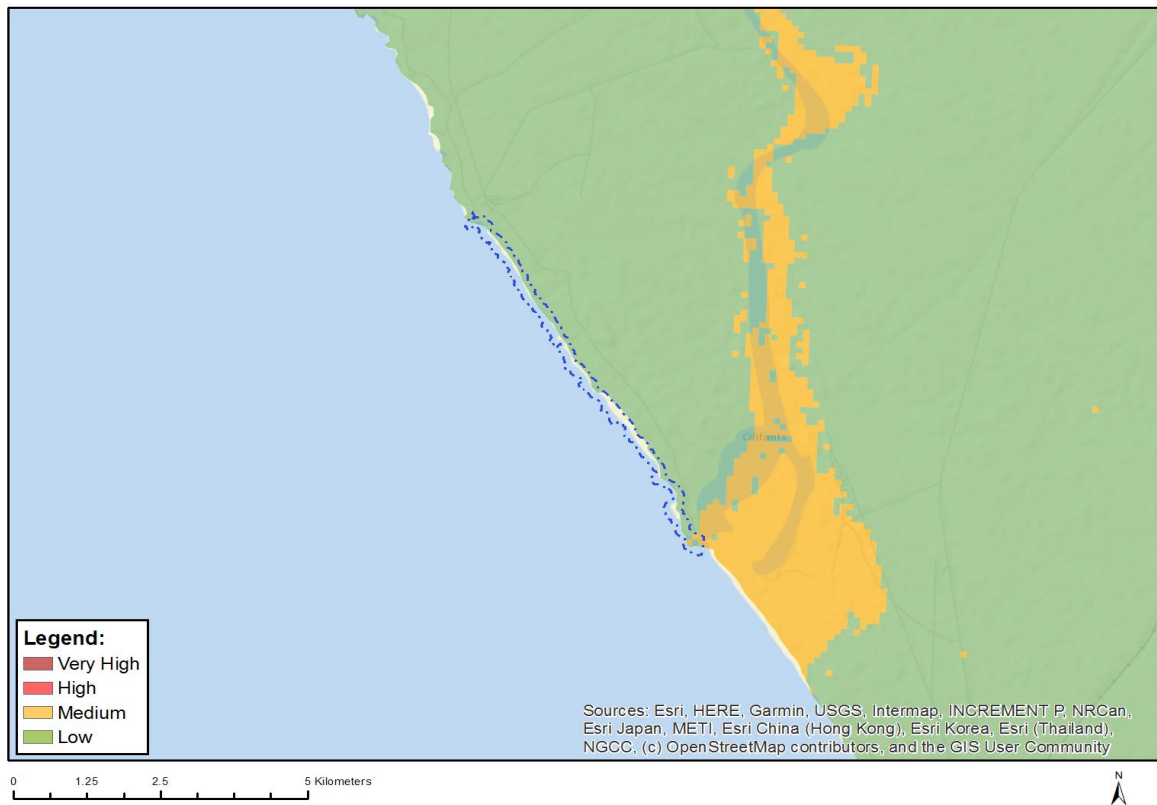
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

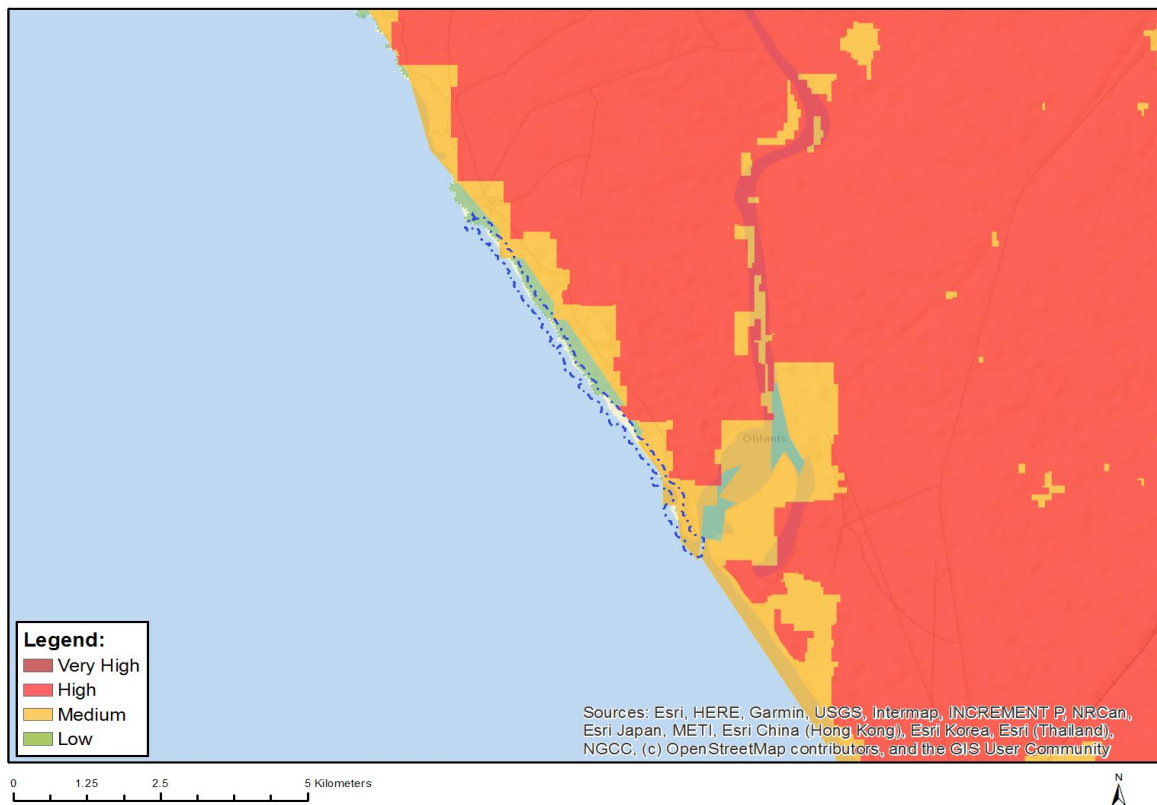


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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



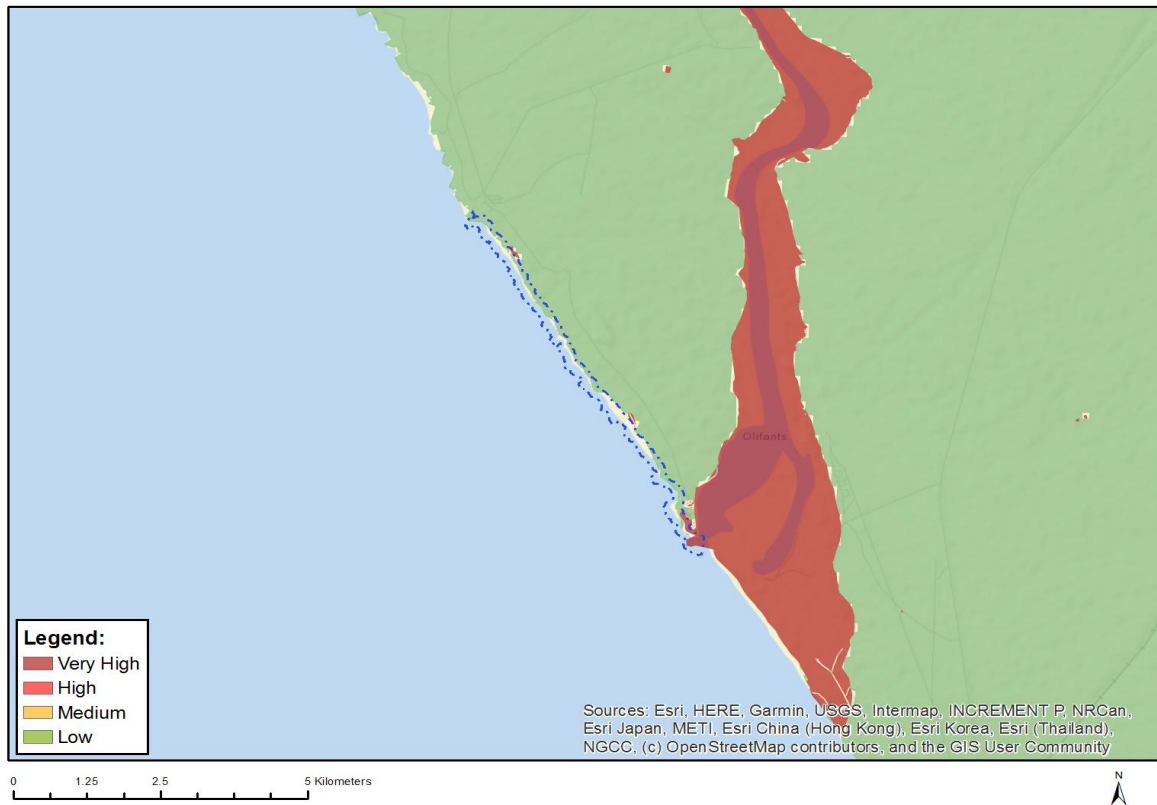
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 maurus
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Invertebrate-Bullacris obliqua
Medium	Sensitive species 13

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

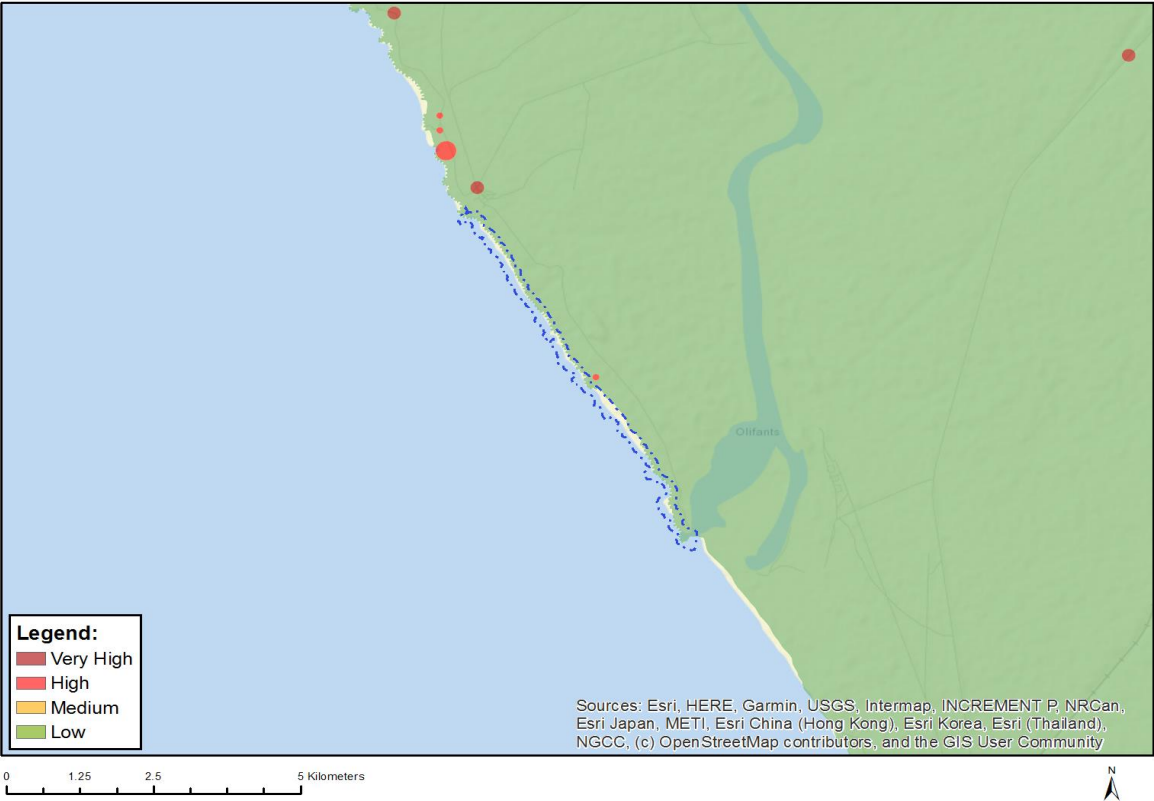


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Aquatic CBAs
Very High	Wetlands and Estuaries

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

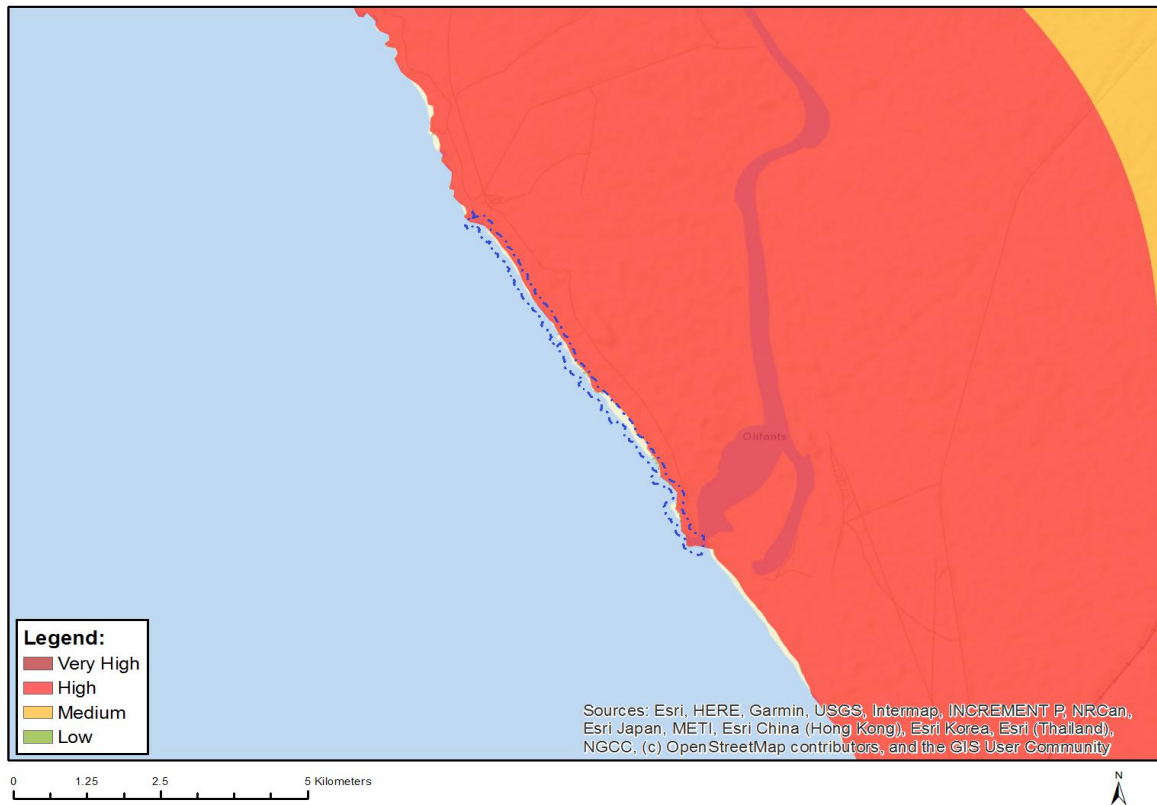


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

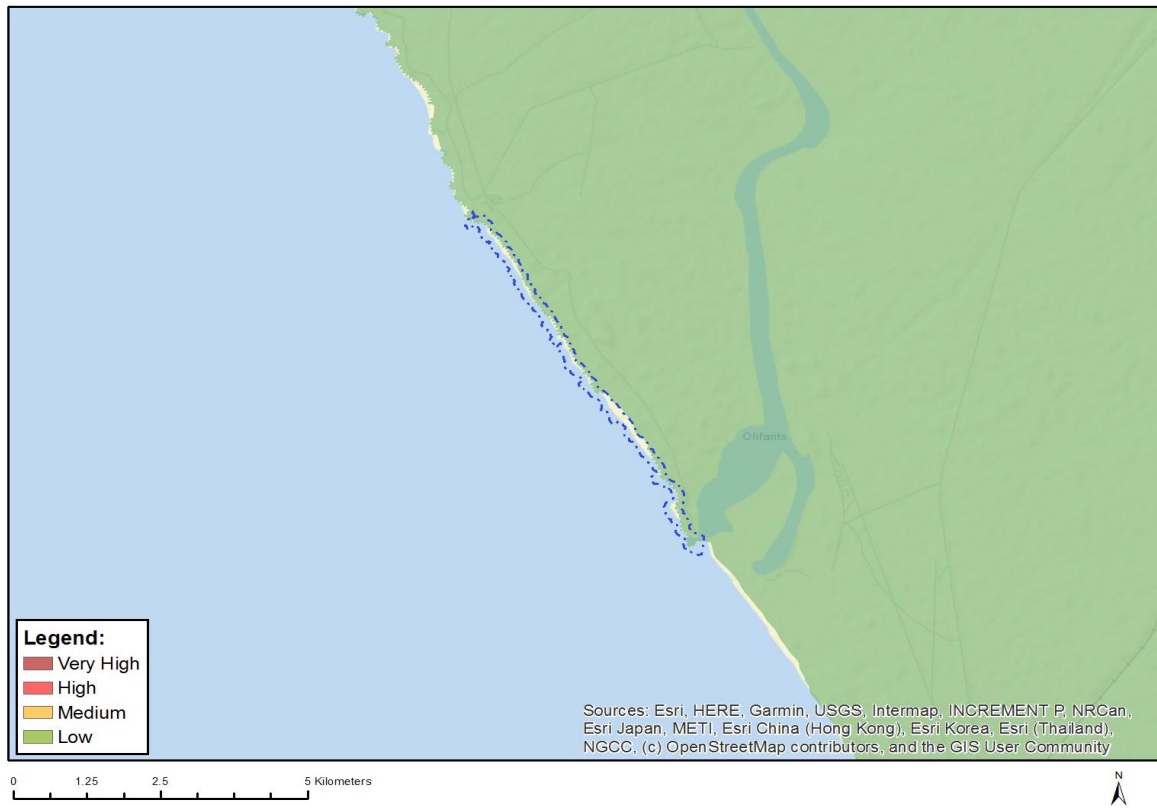


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

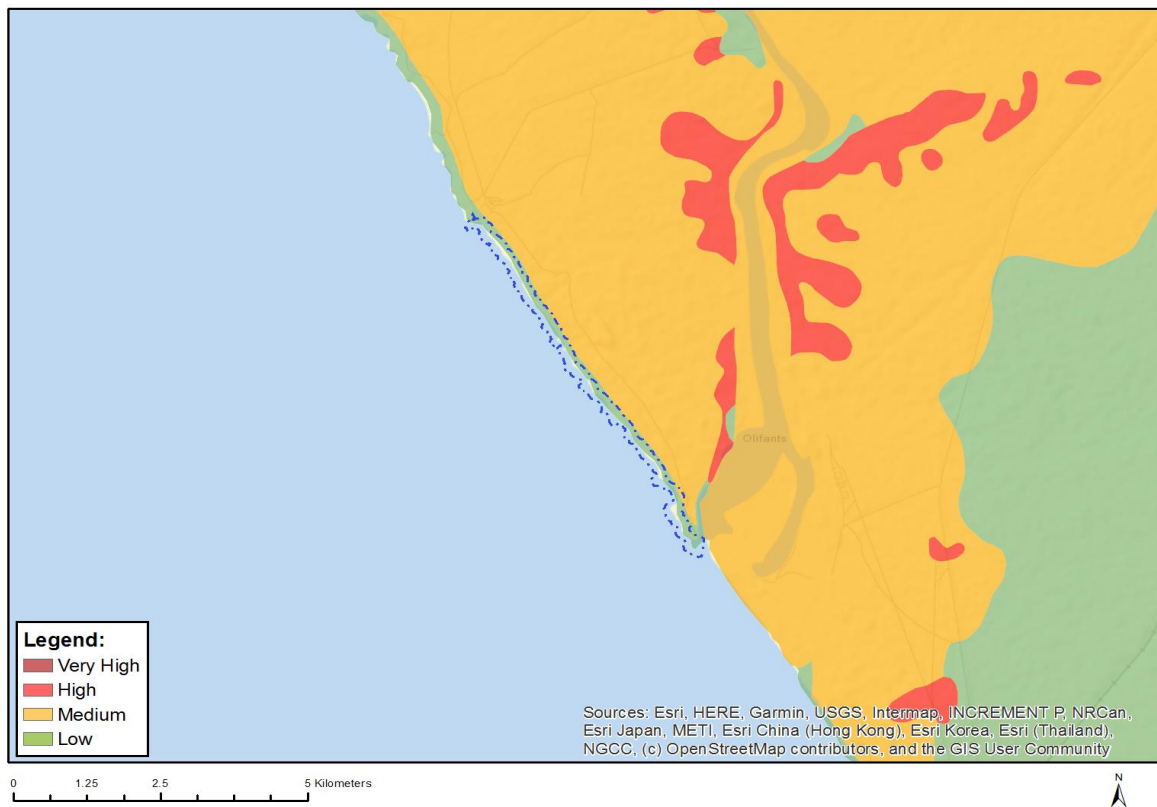


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

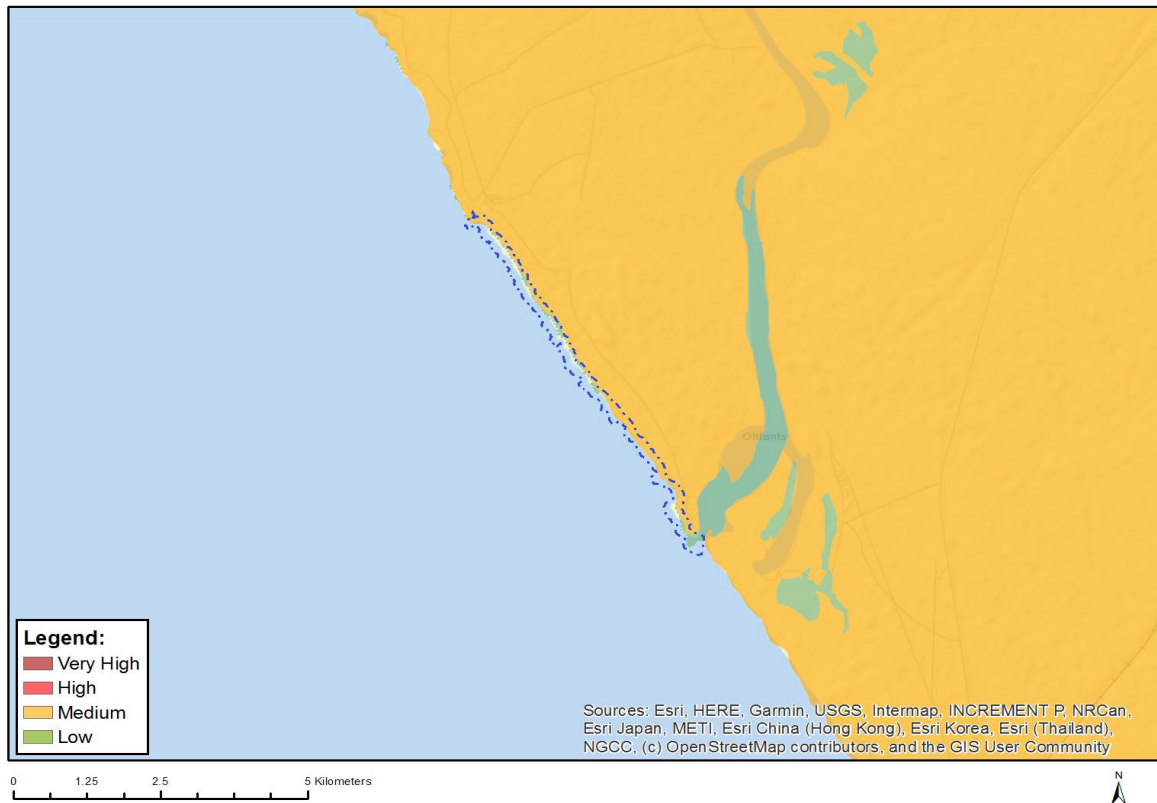


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



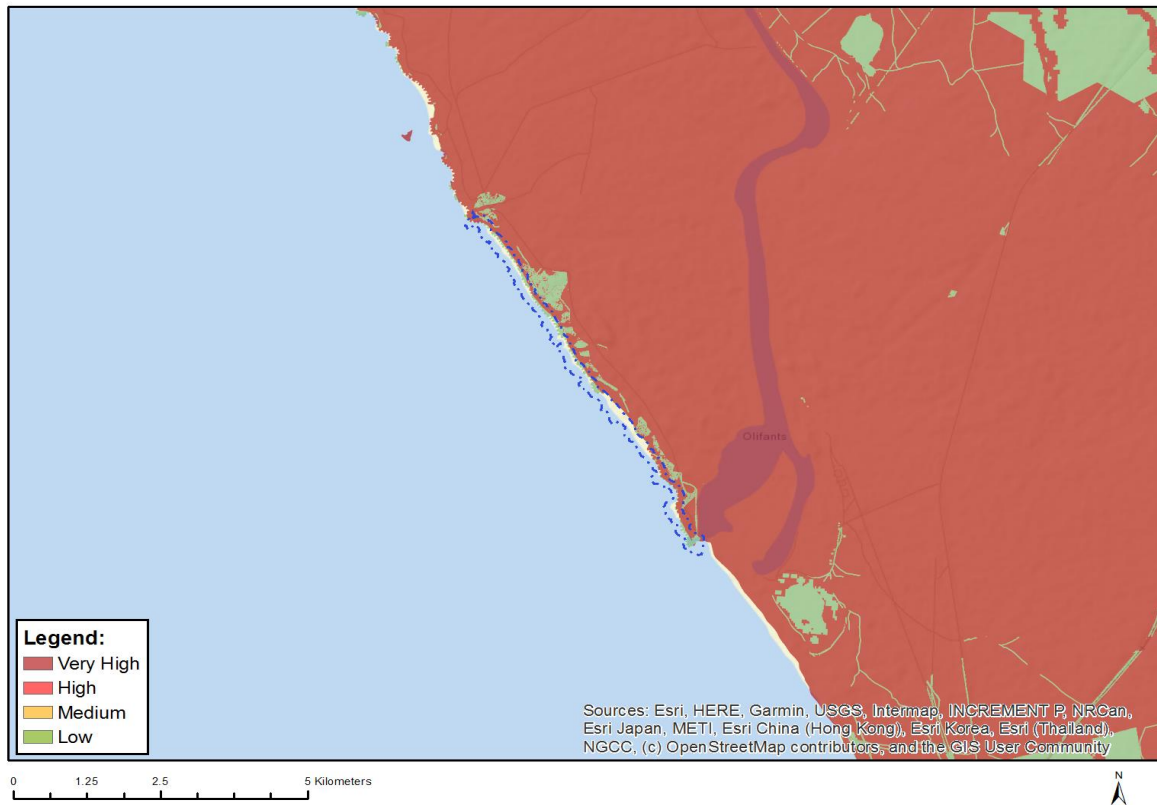
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Ruschia bipapillata
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata
Medium	Zostera capensis

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	Ecological Support Area 2
Very High	Ecological Support Area 1
Very High	Critical Biodiversity Area 1
Very High	Focus Areas for land-based protected areas expansion

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

EIA Reference number: WC10137MR

Project name: 12a Strykloof

Project title: EMP update

Date screening report generated: 15/07/2021 13:16:36

Applicant: Moonstone Diamond Marketing

Compiler: EAP

Compiler signature:

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Application Category: Mining|Mining Right

OFFICIAL

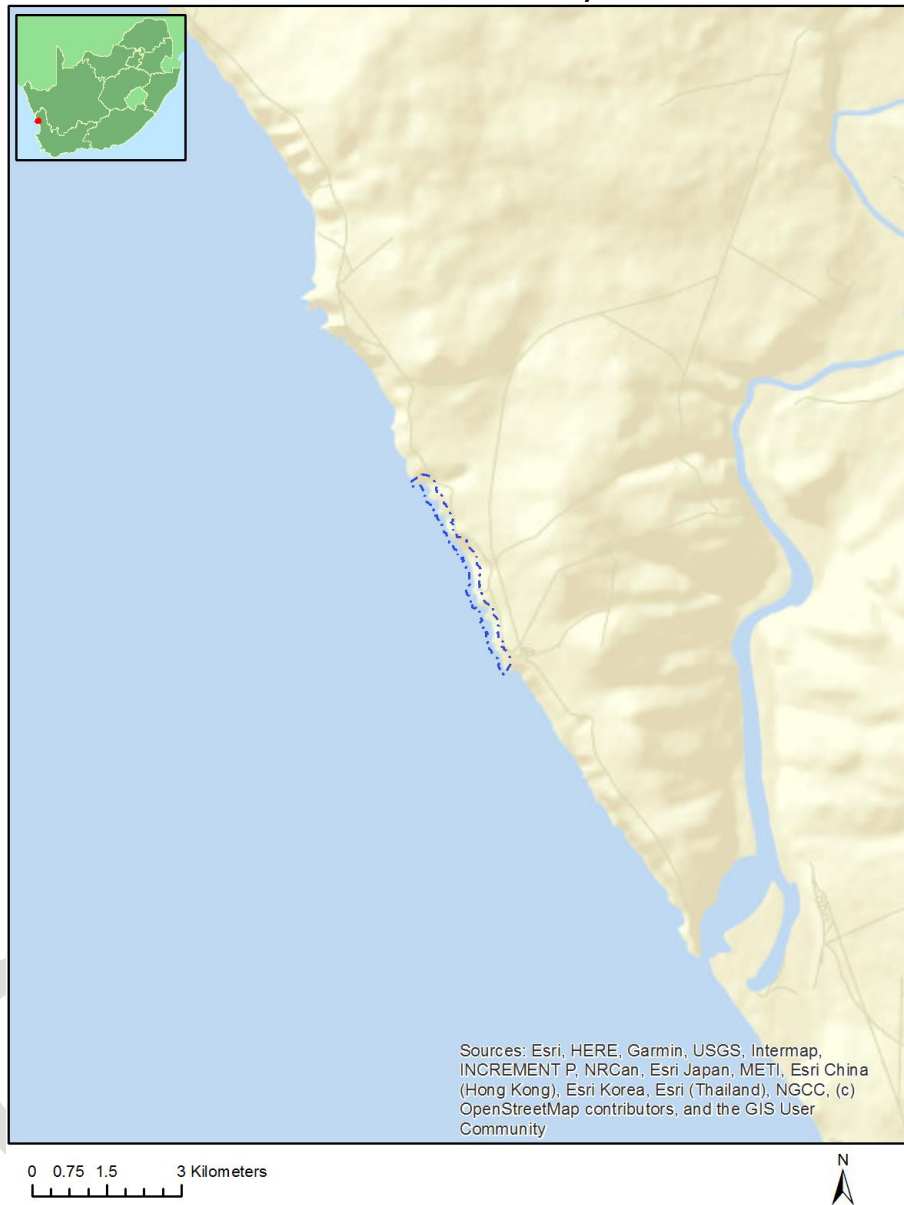
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Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	4
Environmental Management Frameworks relevant to the application	5
Environmental screening results and assessment 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
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MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	12
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY	13
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MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	16
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	17

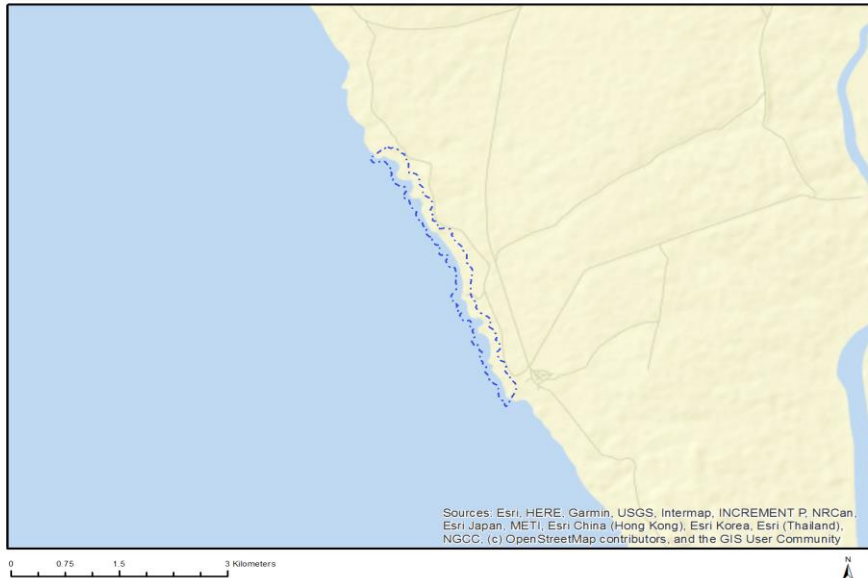
Proposed Project Location

Orientation map 1: General location

General Orientation: 12a Strykloof



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	OLIFANTS RIVER SETTLEMENT	611	0	31°38'38.43S	18°8'54.13E	Erven
2	OLIFANTS RIVER SETTLEMENT	317	0	31°37'38.03S	18°8'18.47E	Erven
3	OLIFANTS RIVER SETTLEMENT	615	0	31°36'56.19S	18°9'29.39E	Erven
4	THE POINT	267	0	31°39'44.07S	18°10'48.85E	Farm
5	THE POINT	267	1	31°41'10.3S	18°11'36.57E	Farm Portion
6	THE POINT	267	0	31°39'36.27S	18°10'49.18E	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 No	Classification	Status of application	Distance from proposed area (km)
----	------------------	----------------	-----------------------	----------------------------------

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.

1	12/12/20/2178	Solar PV	Approved	29.9
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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:

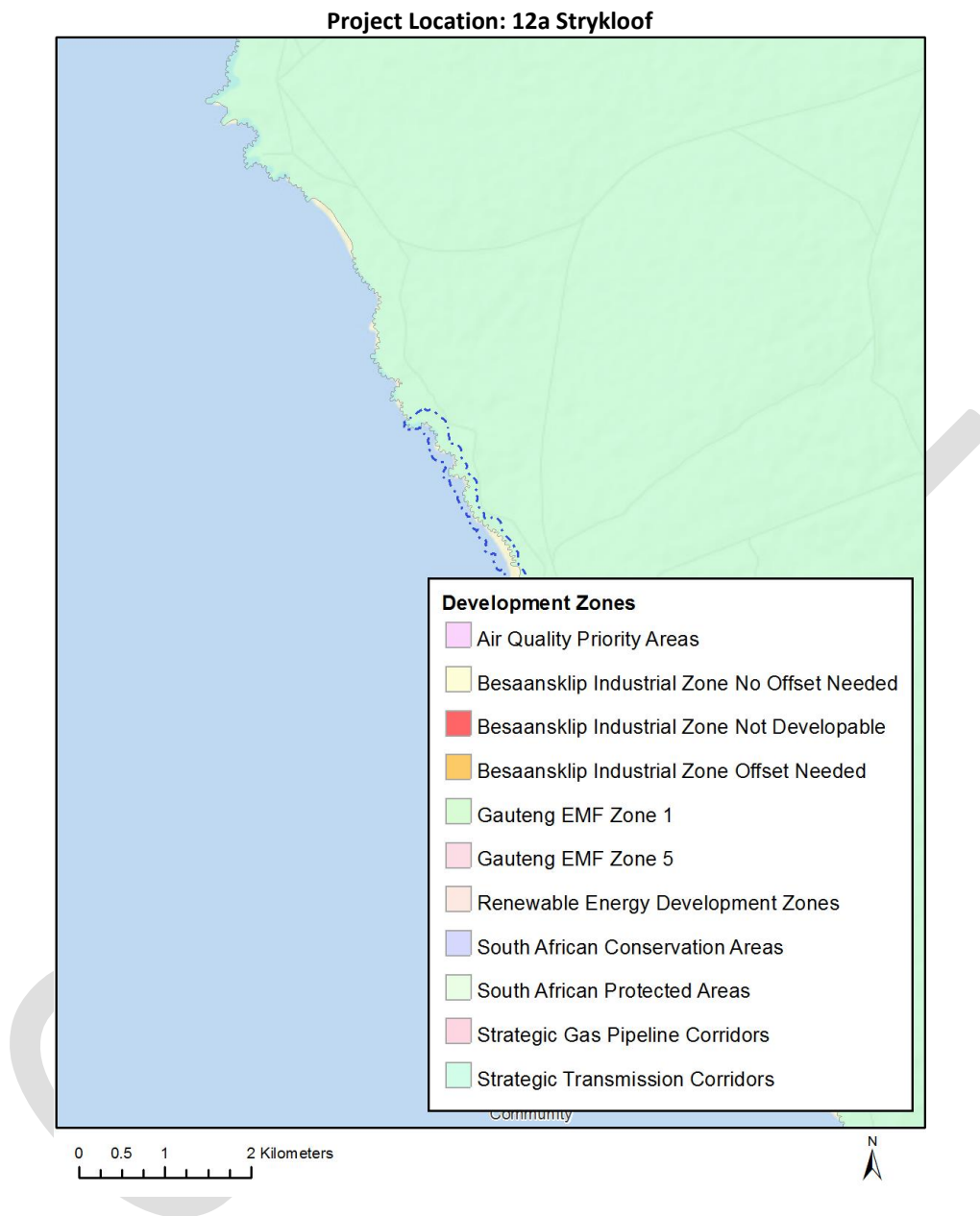
Mining | Mining Right.

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.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.

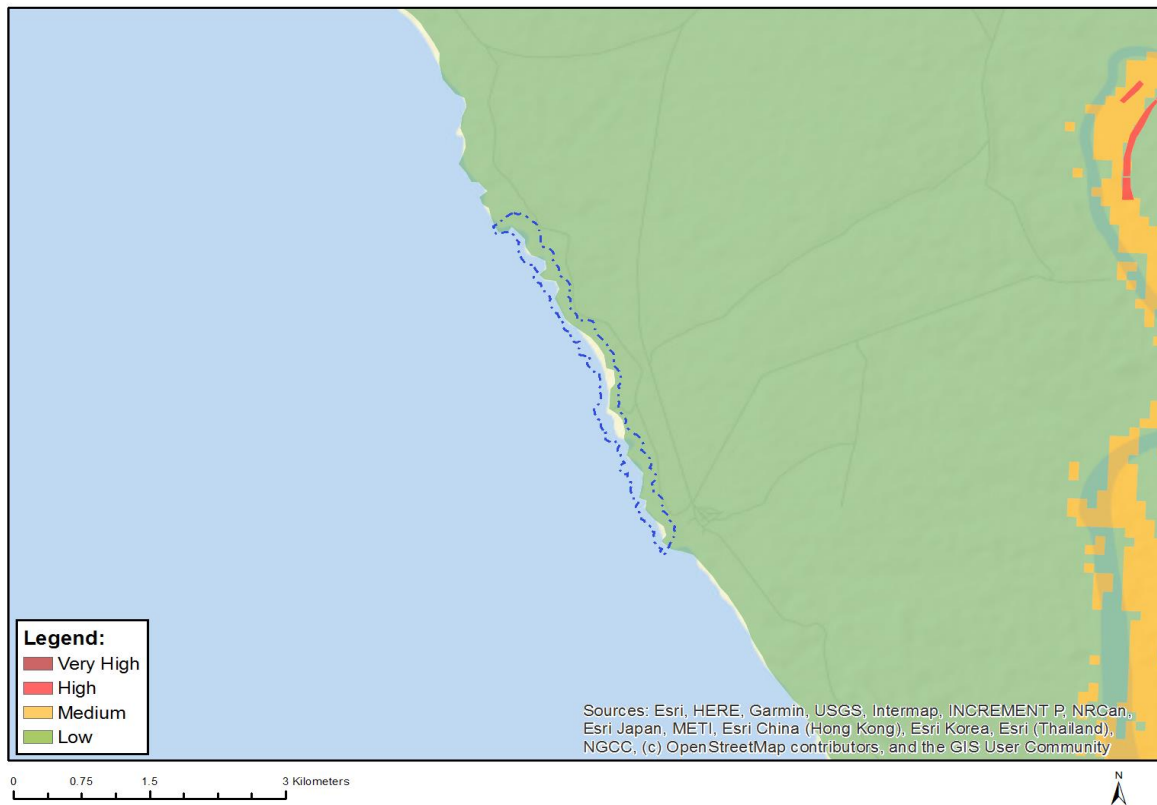
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

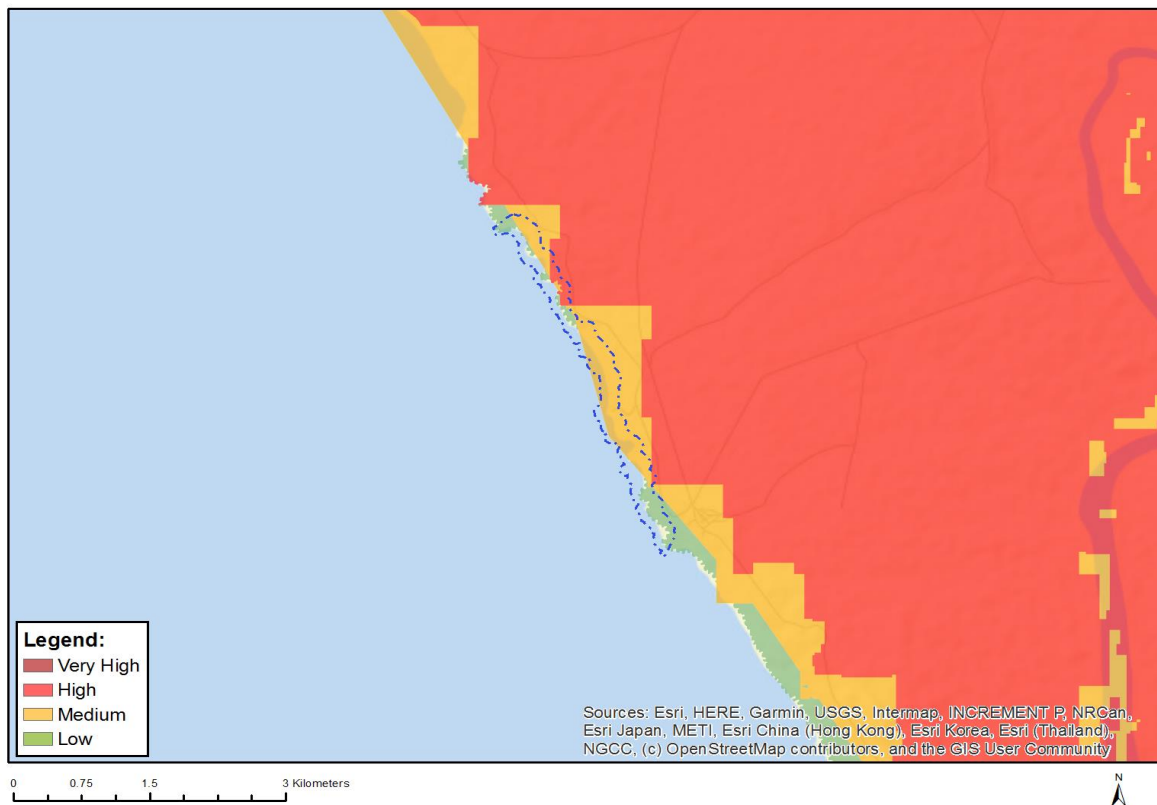


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



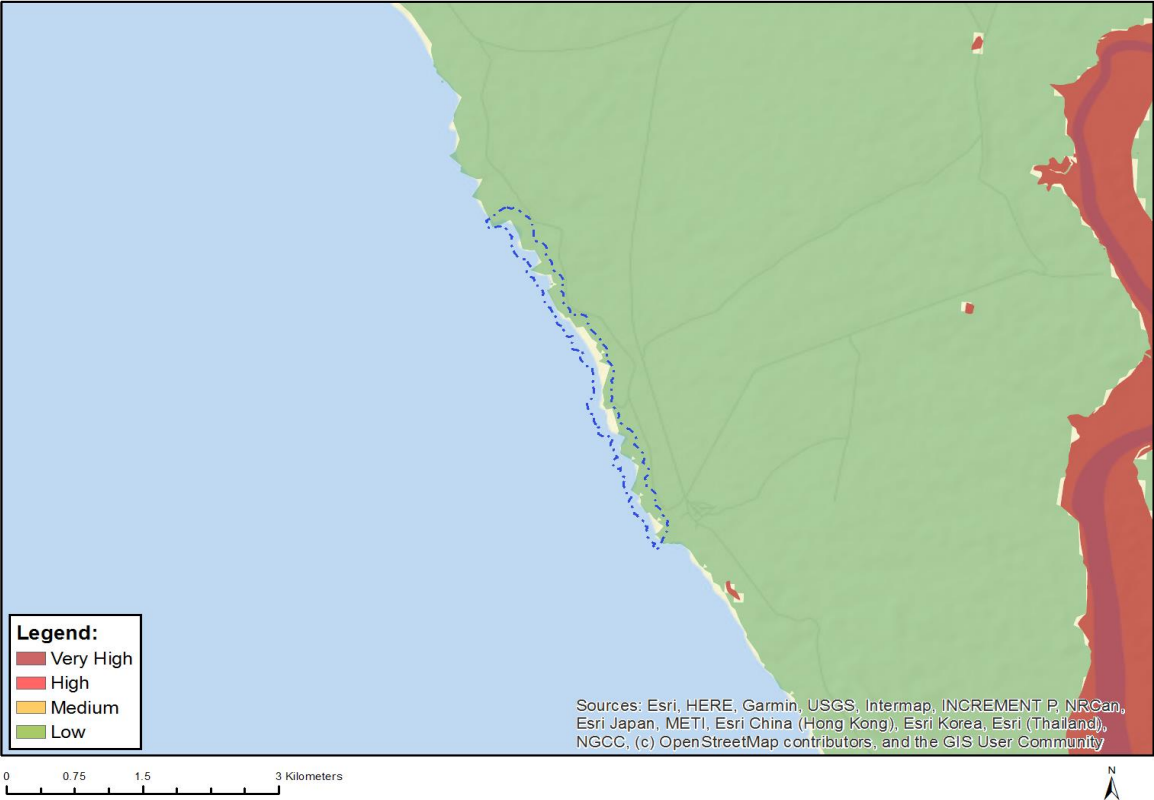
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 maurus
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Aves-Neotis ludwigii

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

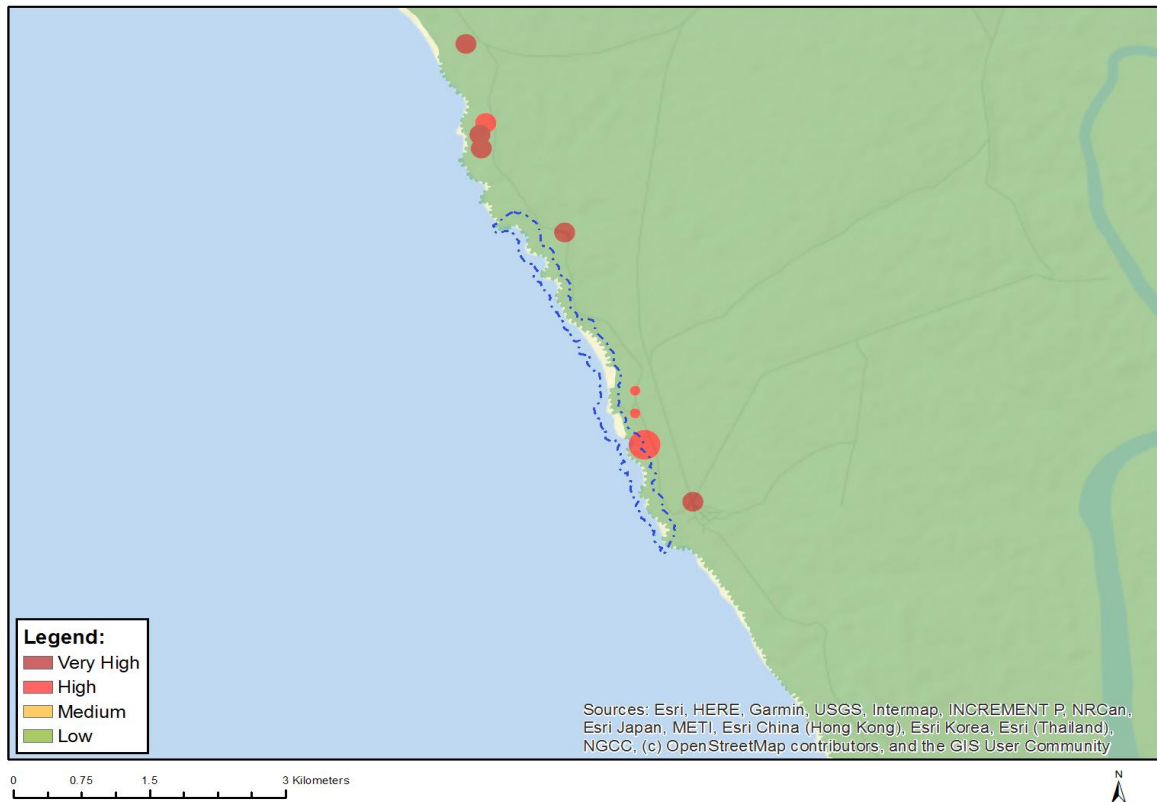


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

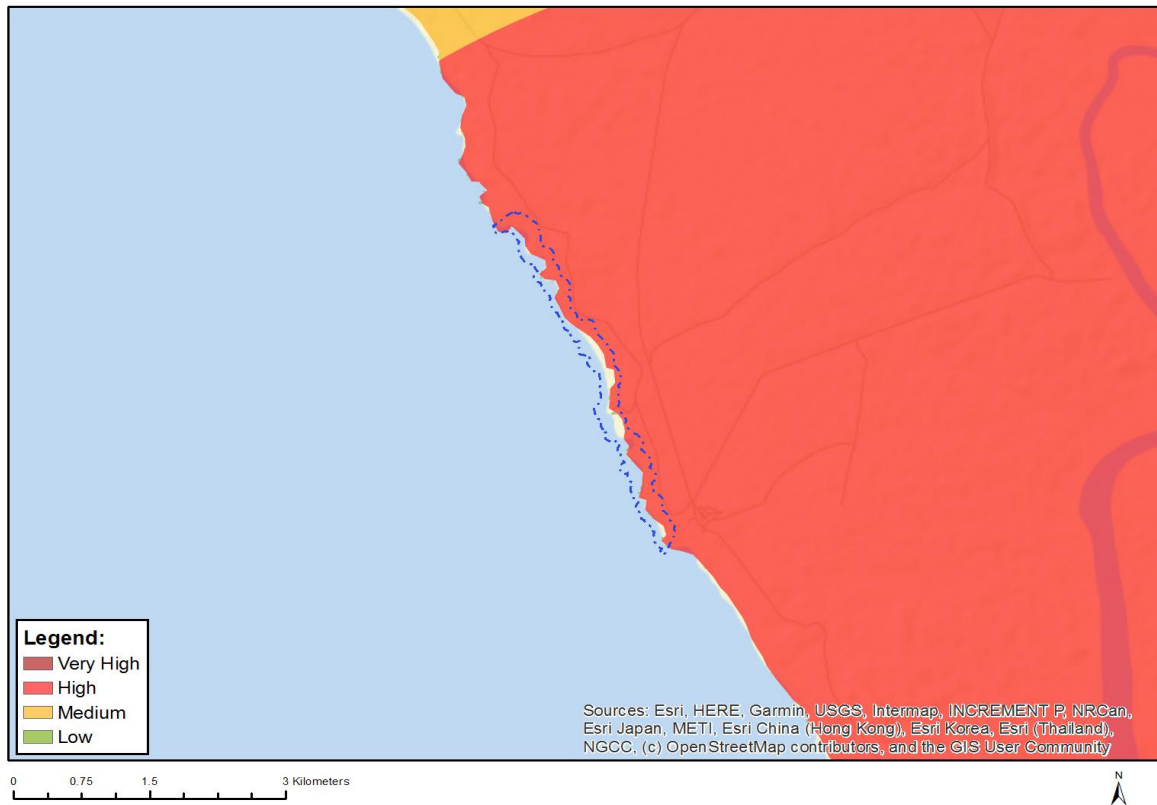


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

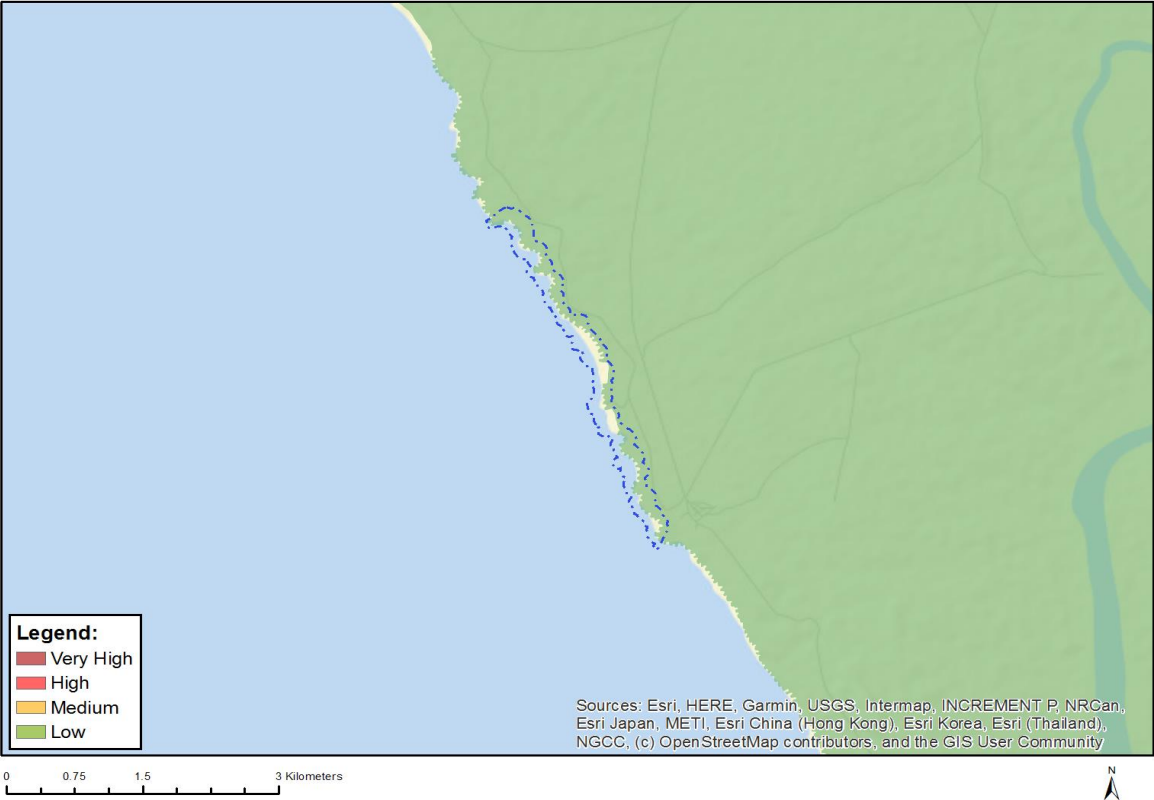


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

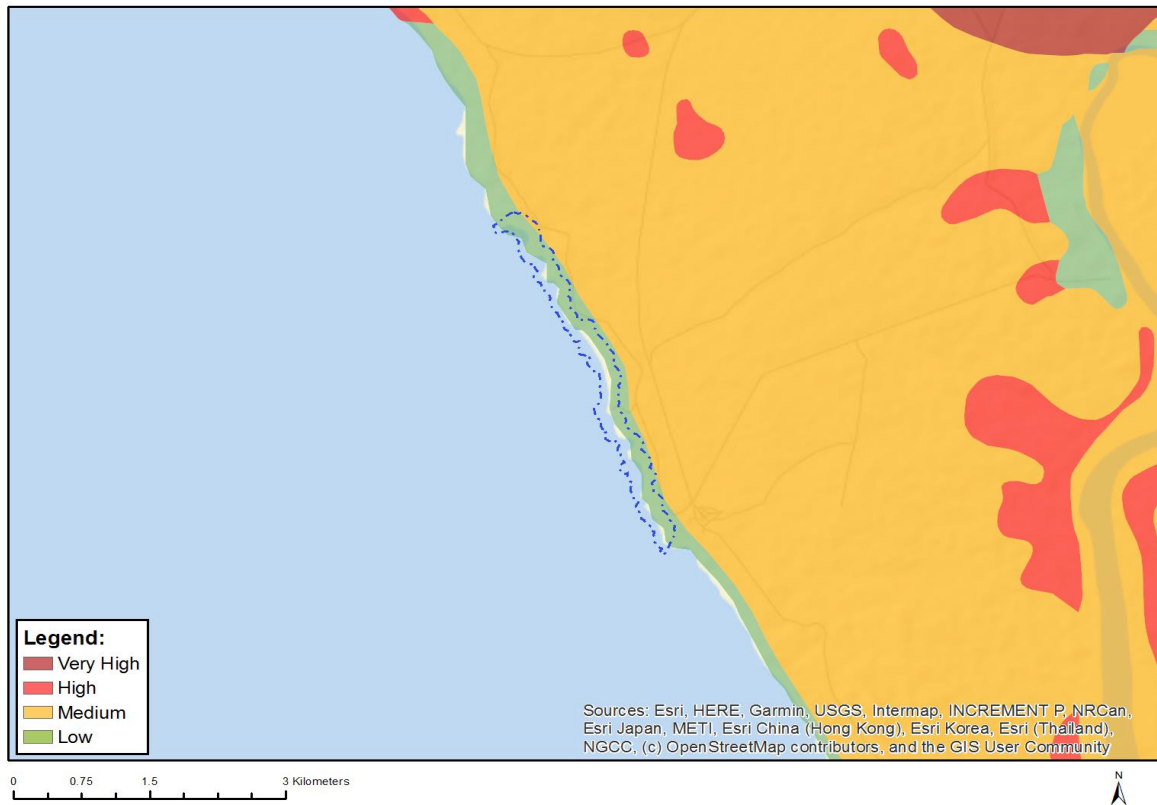


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

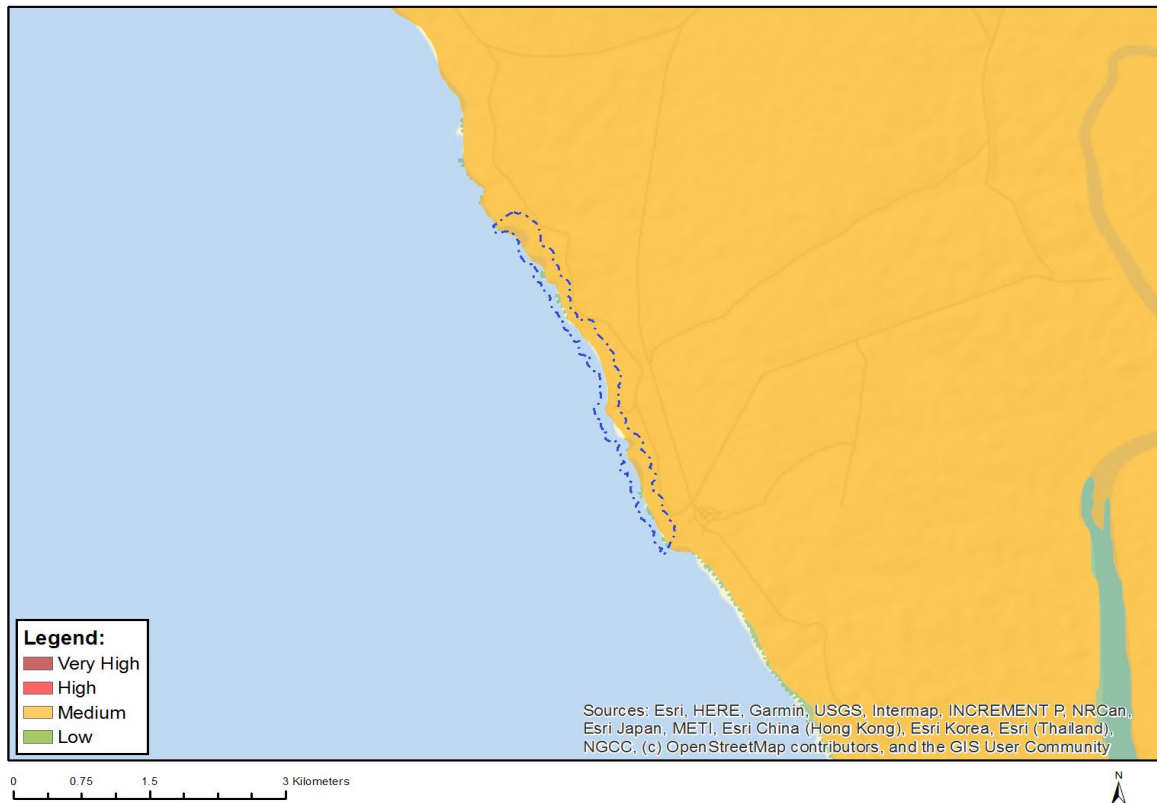


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



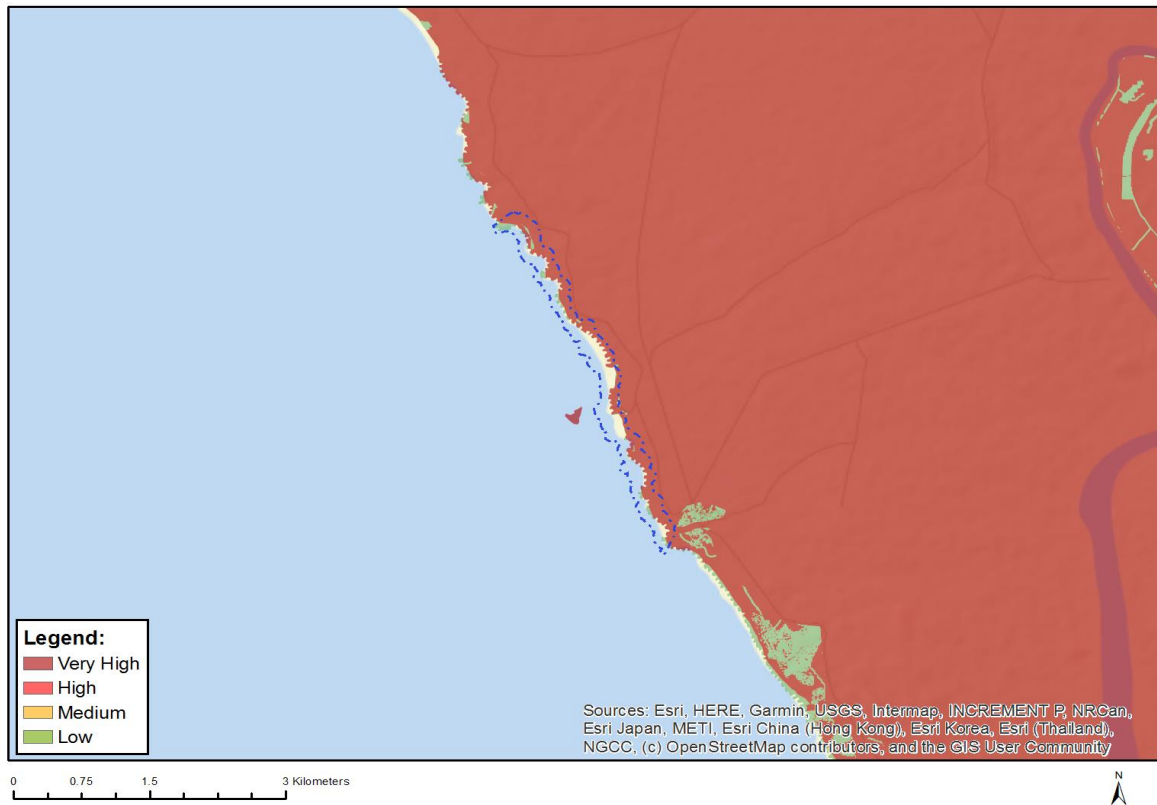
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Ruschia bipapillata
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata

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	Ecological Support Area 2
Very High	Critical Biodiversity Area 1
Very High	Focus Areas for land-based protected areas expansion

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

EIA Reference number: WC10130MR

Project name: 12a

Project title: EMP Update

Date screening report generated: 15/07/2021 13:31:48

Applicant: Moonstone Diamond Marketing

Compiler: EAP

Compiler signature:

.....

Application Category: Mining|Mining Right

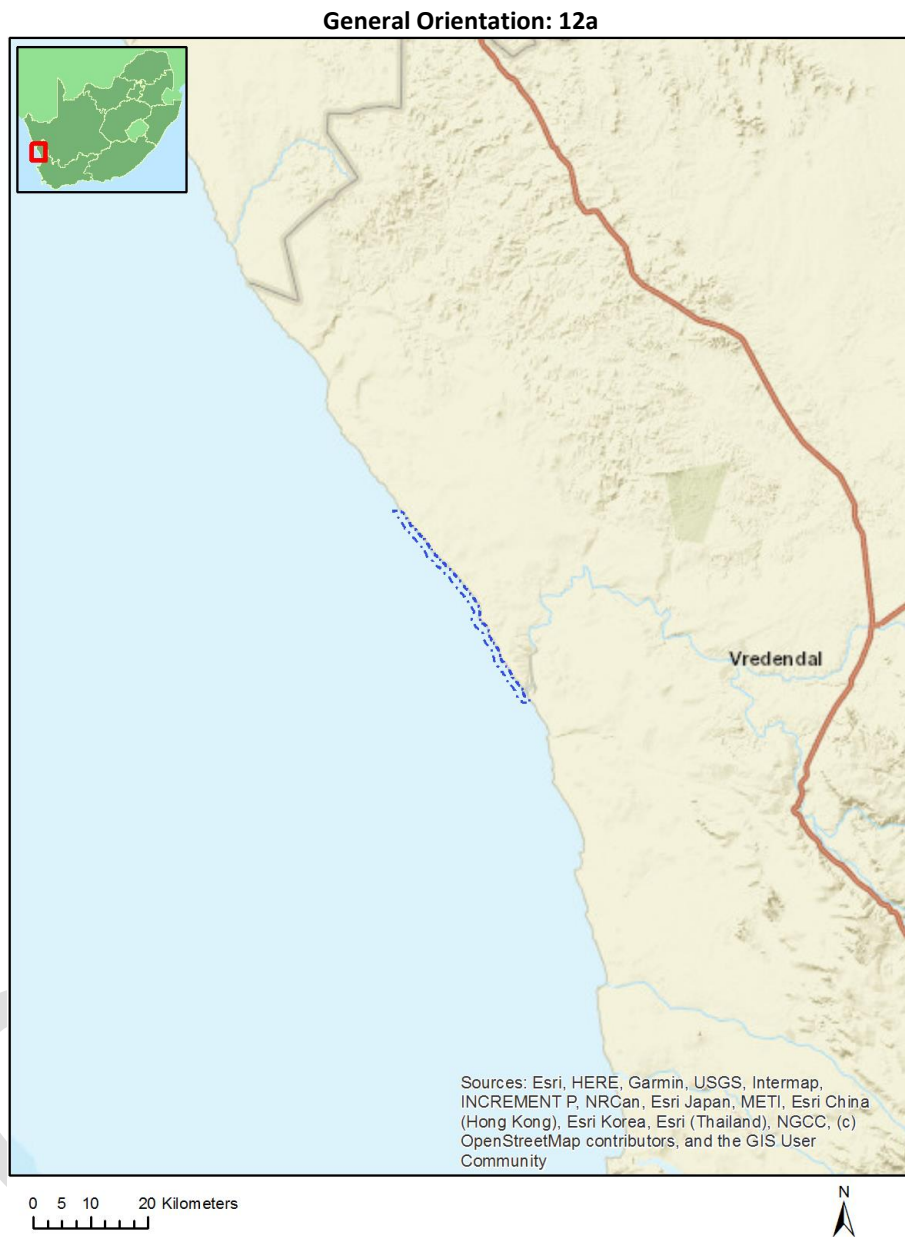
OFFICIAL

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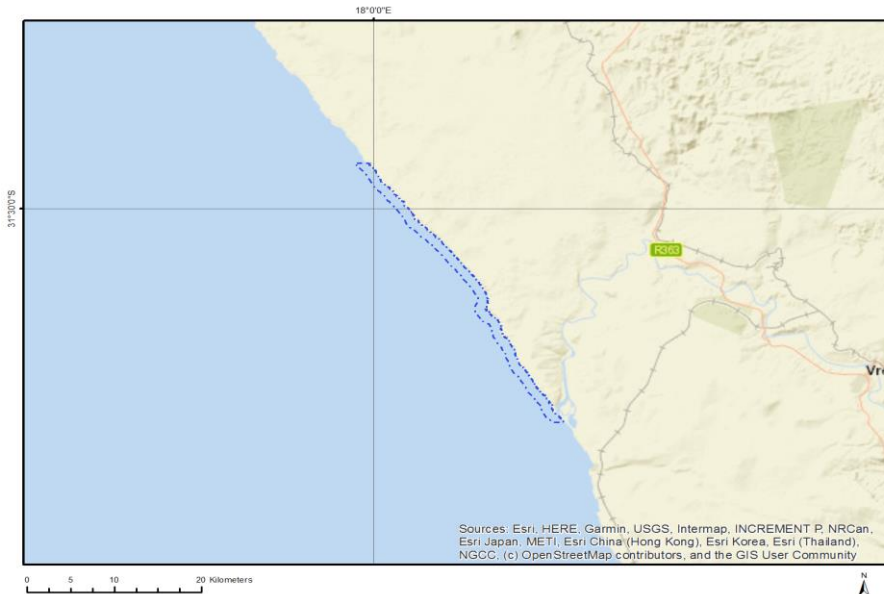
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Proposed Project Location

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 No	Portion	Latitude	Longitude	Property Type
1	OLIFANTS RIVER SETTLEMENT	317	0	31°37'38.03S	18°8'18.47E	Erven
2	GEELWAL KAROO	262	0	31°32'28.88S	18°5'21.99E	Farm
3	KLIPVLEY KAROOKOP	153	0	31°26'28.63S	18°0'3.47E	Farm
4	PERSEEL WESKUS	192	0	31°29'58.7S	18°2'9.27E	Farm
5	PERSEEL WESKUS	197	0	31°28'35.64S	18°0'54.07E	Farm
6	PERSEEL WESKUS	198	0	31°28'31.16S	18°0'44.32E	Farm
7	PERSEEL WESKUS	192	0	31°29'58.7S	18°2'9.27E	Farm Portion
8	GEELWAL KAROO	262	2	31°32'47.2S	18°5'8.19E	Farm Portion
9		193	0	31°32'59.39S	18°5'19.8E	Farm Portion
10	PERSEEL WESKUS	197	0	31°28'42.8S	18°0'57.05E	Farm Portion
11	GEELWAL KAROO	262	0	31°32'30.63S	18°5'22.12E	Farm Portion
12	KLIPVLEY KAROOKOP	153	7	31°29'15.74S	18°1'41.07E	Farm Portion
13	PERSEEL WESKUS	198	0	31°28'47.93S	18°0'58.08E	Farm Portion

Development footprint¹ vertices:

No development footprint(s) specified.

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.

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	12/12/20/2178	Solar PV	Approved	27.5

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:

Mining | Mining Right.

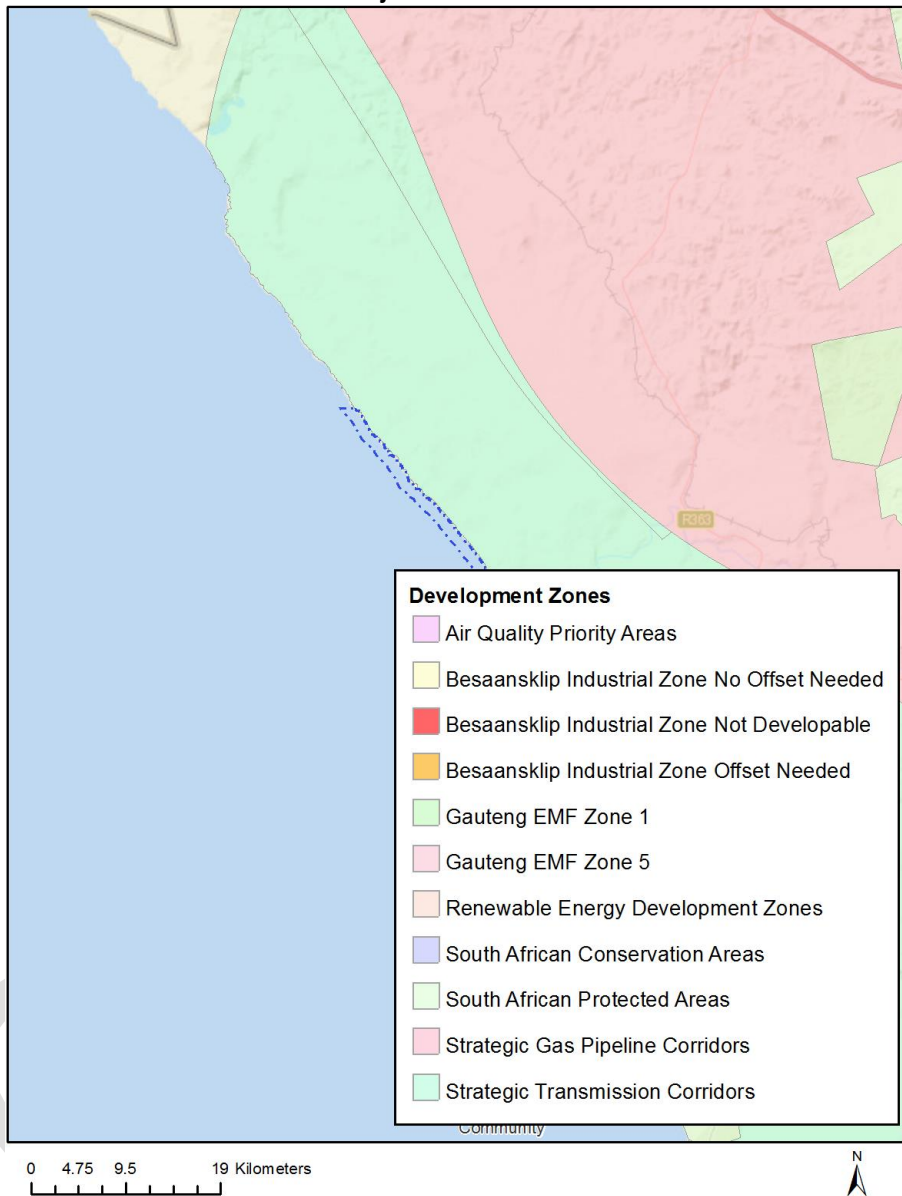
Relevant development incentives, restrictions, exclusions or prohibitions

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.pdf
South African Protected Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPAD_OR_2021_Q1_Metadata.pdf

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

Project Location: 12a



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.

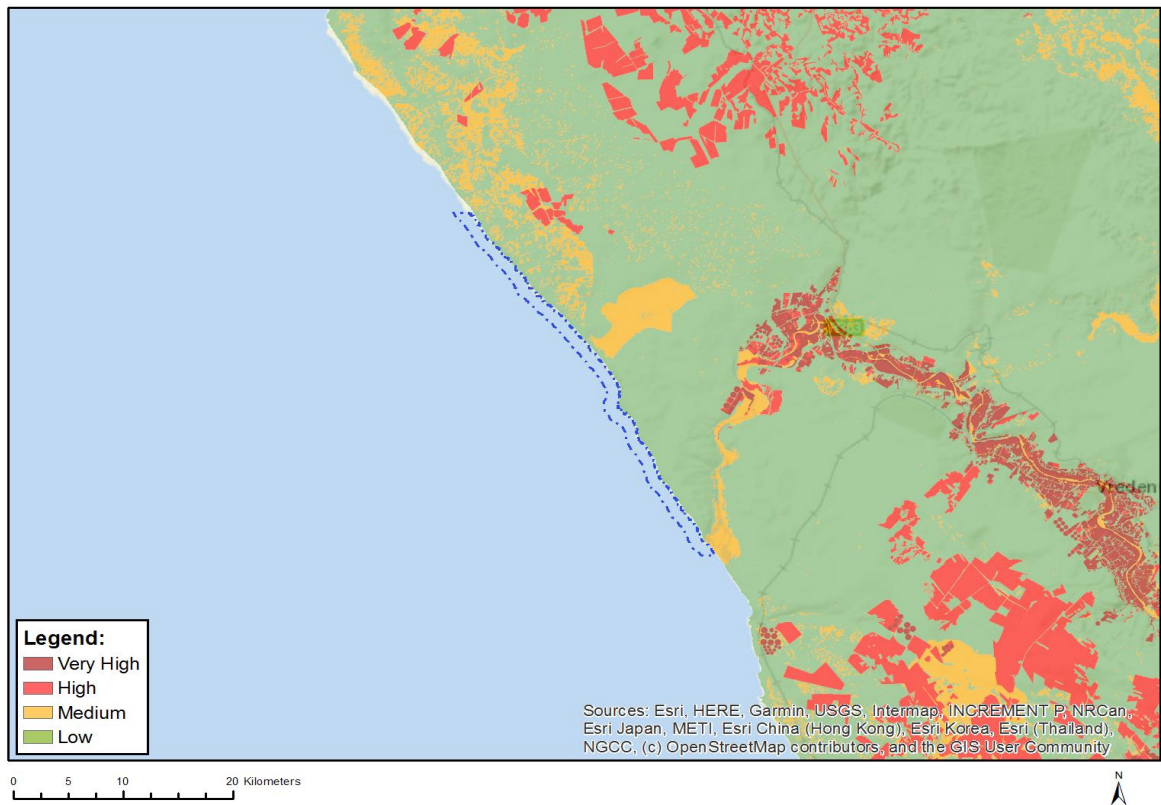
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

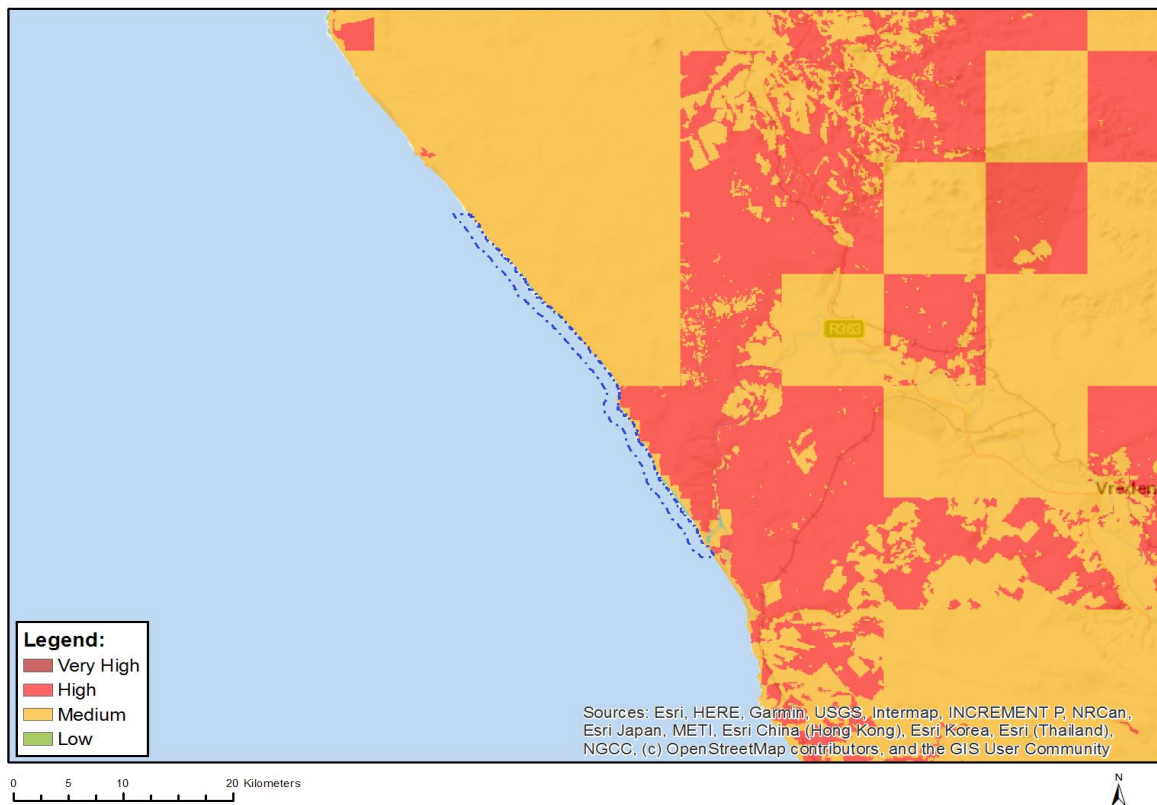


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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



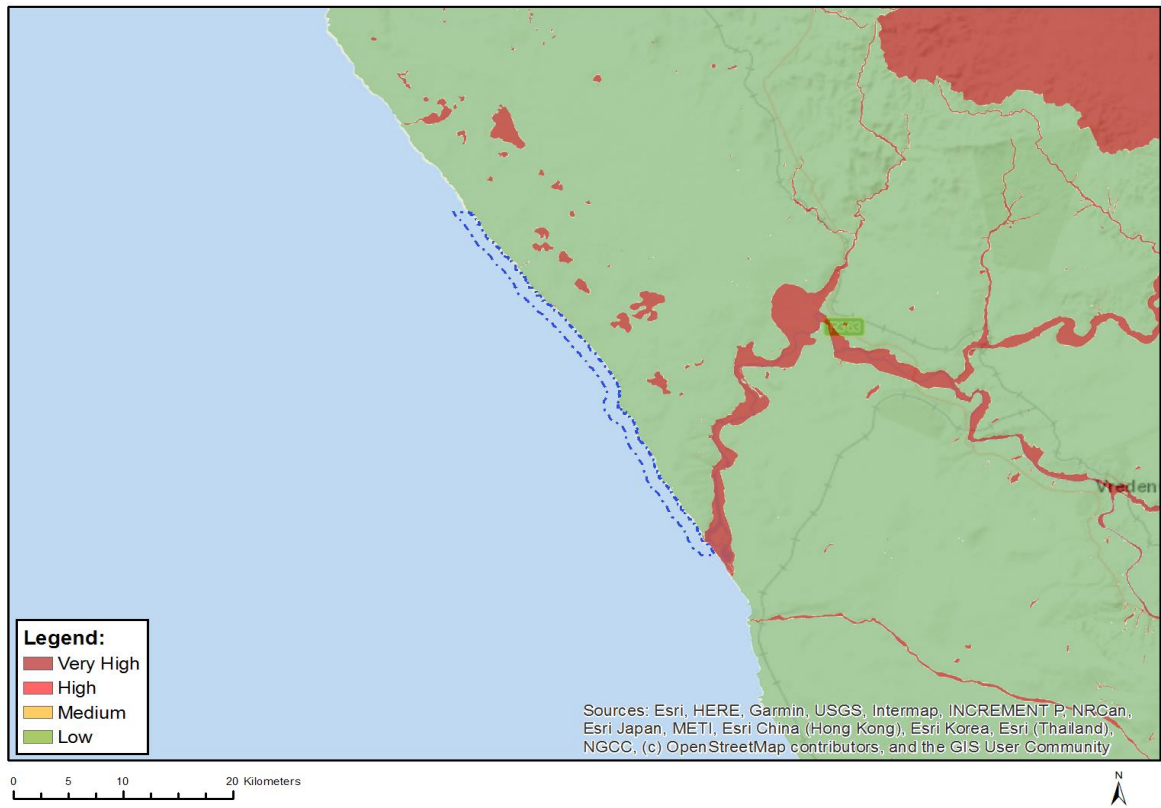
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 maurus
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Invertebrate-Bullacris obliqua
Medium	Sensitive species 13

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

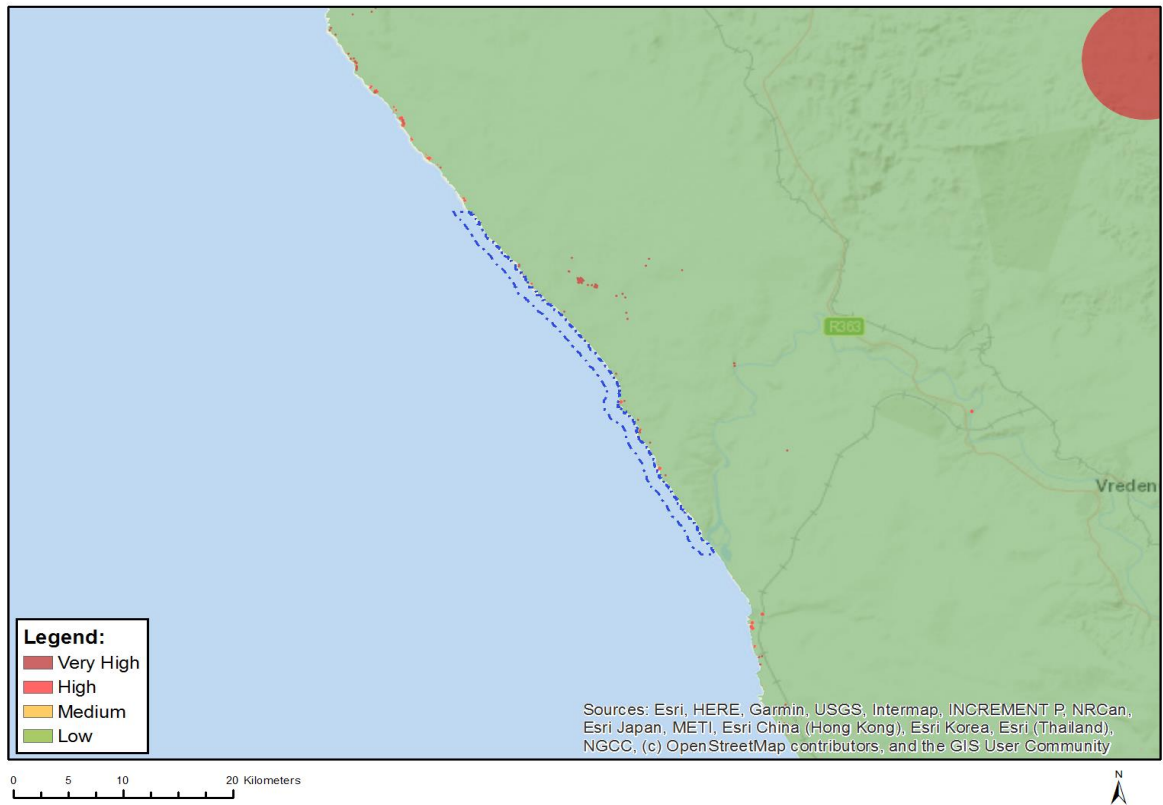


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

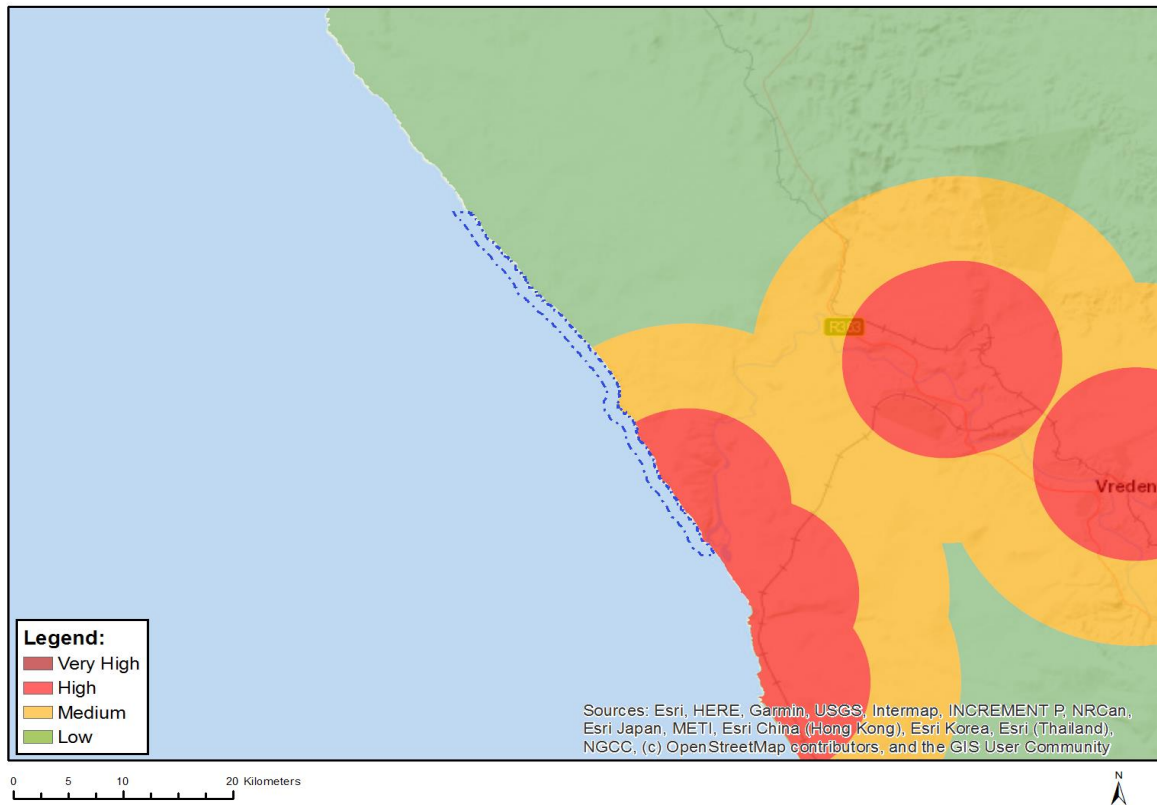


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

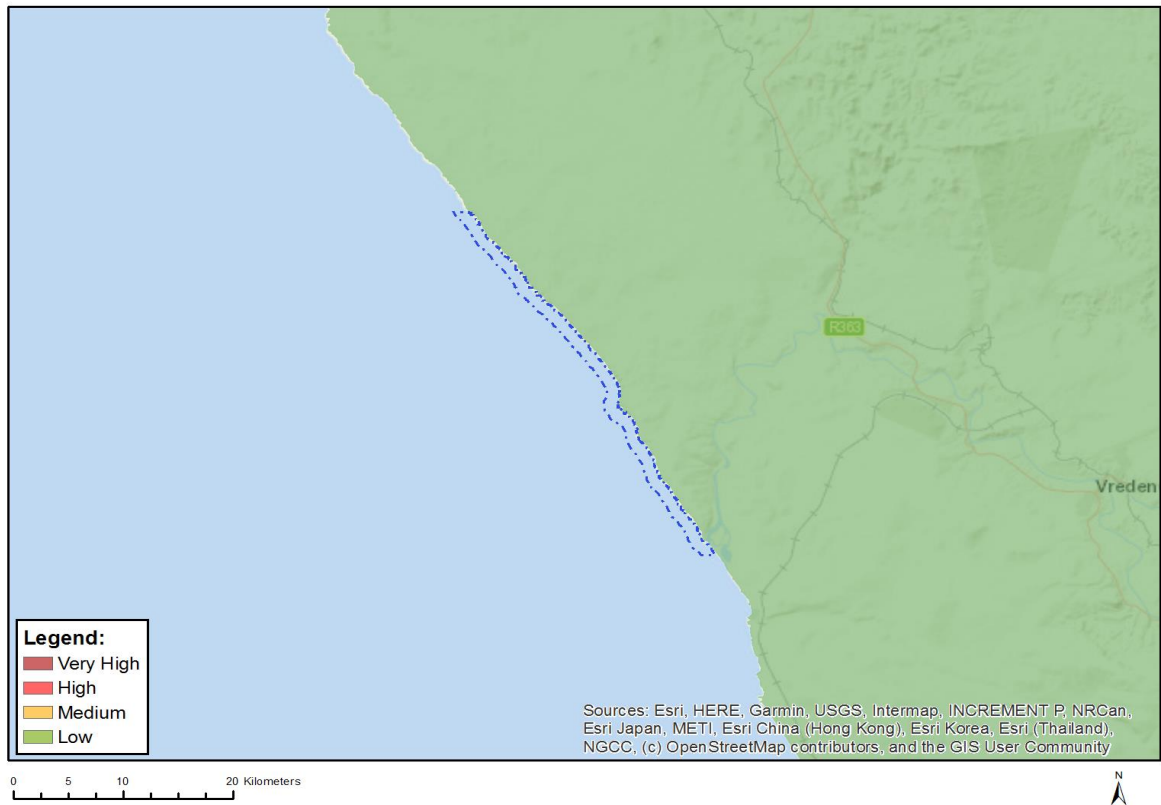


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

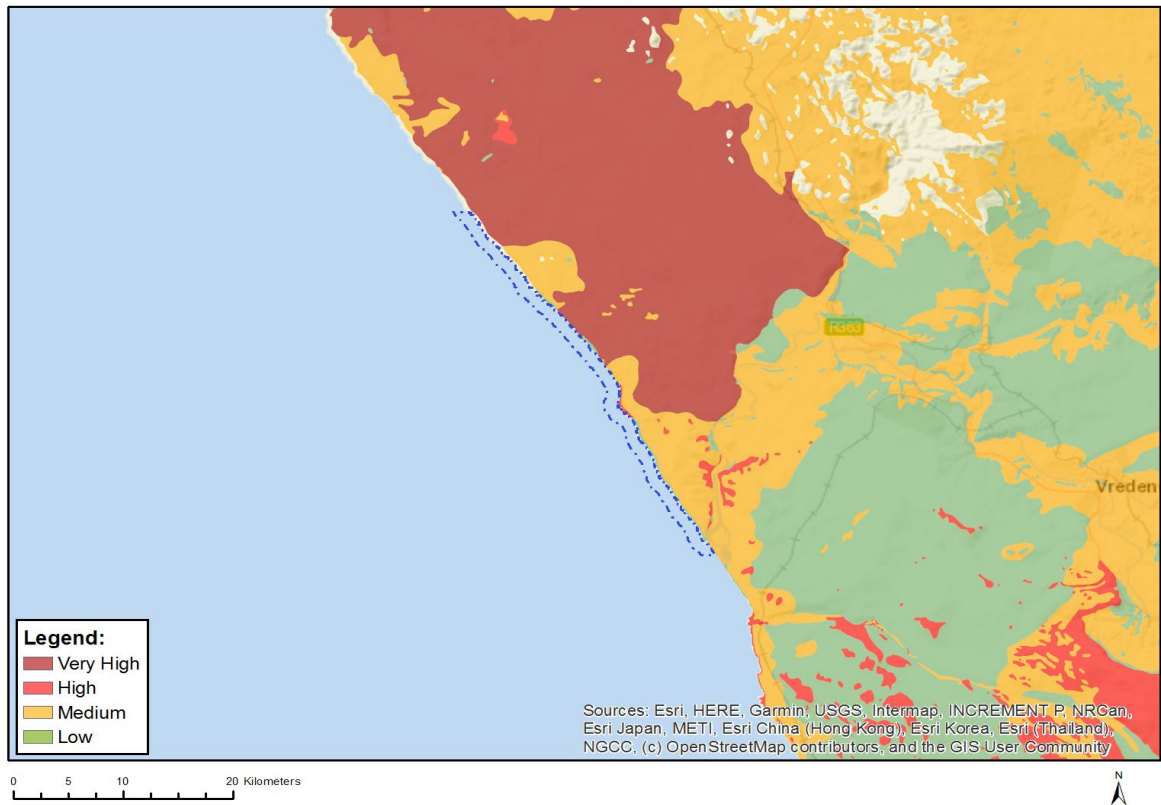


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

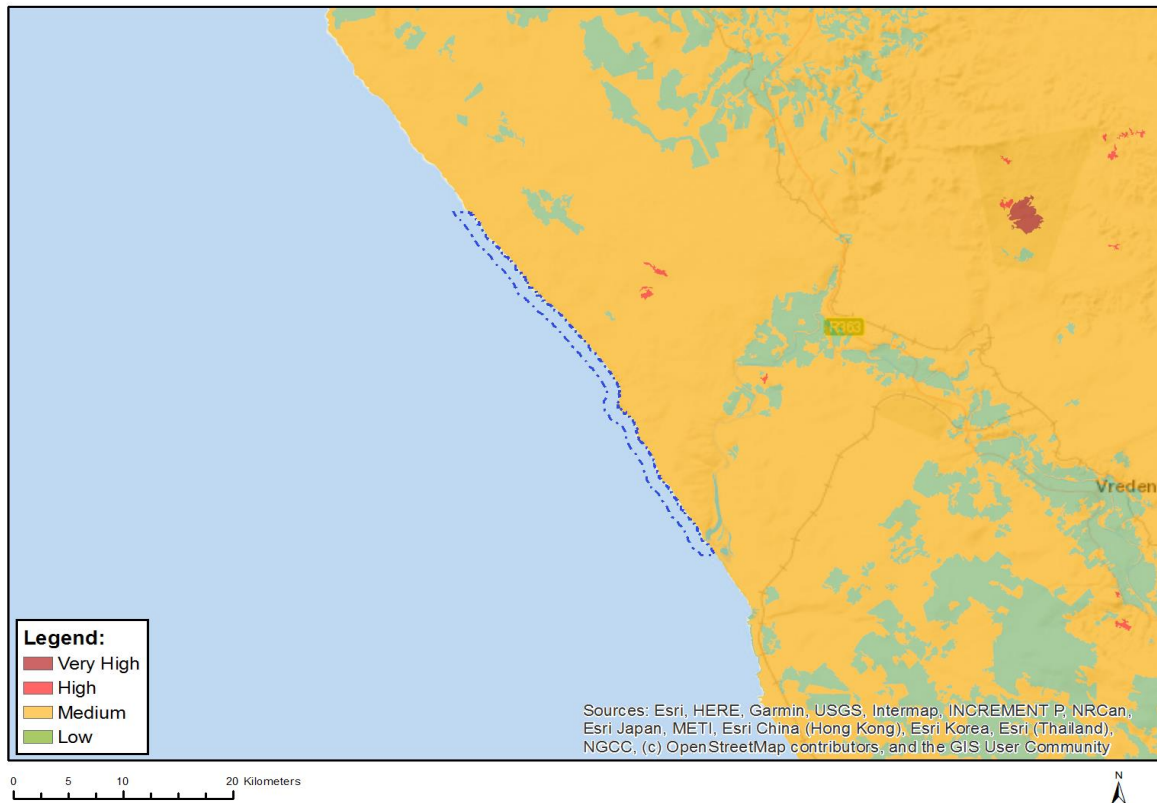


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



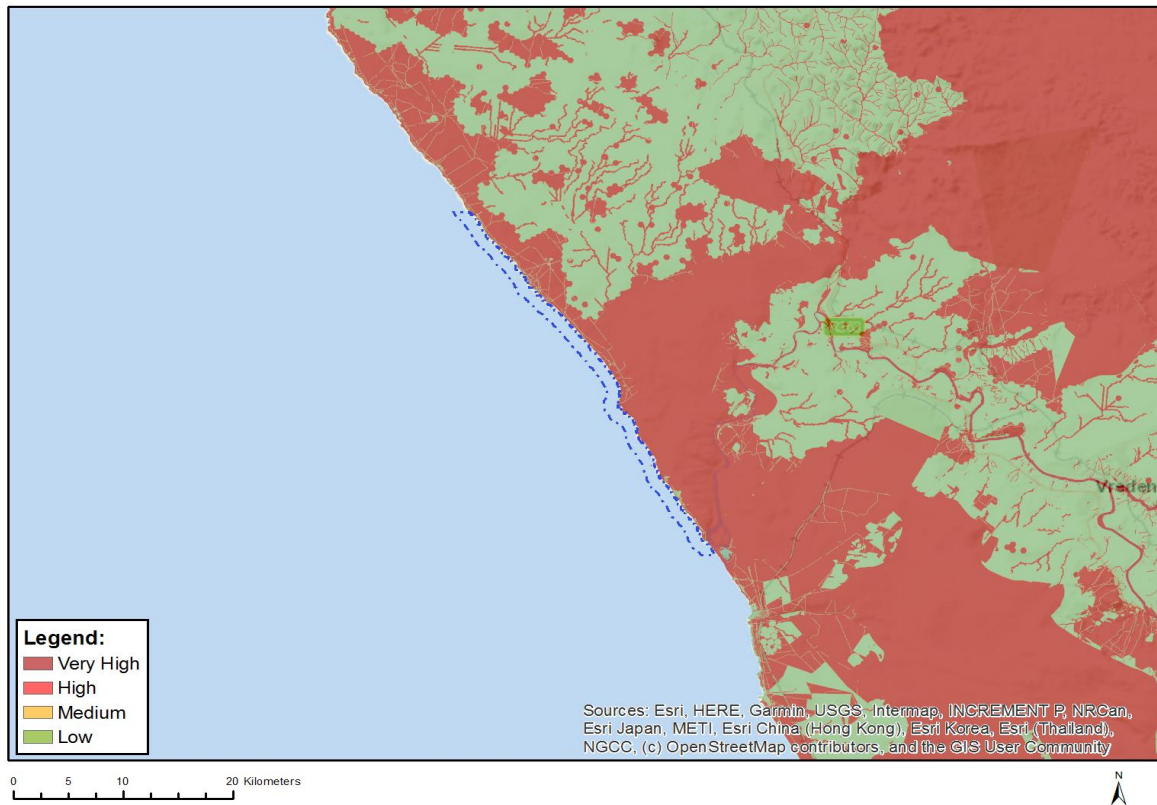
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Romulea lutea
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata

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	South African Protected Areas

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

EIA Reference number: WC 10135 MR

Project name: 13a Hollebaksfontein

Project title: EMP update

Date screening report generated: 15/07/2021 13:15:14

Applicant: Moonstone Diamond Marketing (Pty) Ltd

Compiler: Yvonne Gutoona

Compiler signature:

.....

Application Category: Mining|Mining Right

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MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	17

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		425	0	31°47'55.77S	18°13'49.21E	Farm
2	LOT CEB	427	0	31°48'16.55S	18°14'2.89E	Farm
3		424	0	31°48'6.01S	18°13'59.69E	Farm
4		426	0	31°47'58.38S	18°13'42.23E	Farm
5		460	0	31°48'41.91S	18°14'10.01E	Farm
6		424	0	31°48'4.75S	18°13'59.65E	Farm Portion
7		426	0	31°48'2.36S	18°13'46.08E	Farm Portion
8		425	0	31°47'54.98S	18°13'51.98E	Farm Portion
9		460	0	31°48'41.61S	18°14'9.96E	Farm Portion
10	LOT CEB	427	0	31°48'15.62S	18°14'3E	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 No	Classification	Status of application	Distance from proposed area (km)
----	------------------	----------------	-----------------------	----------------------------------

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.

1	12/12/20/2178	Solar PV	Approved	29.8
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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:

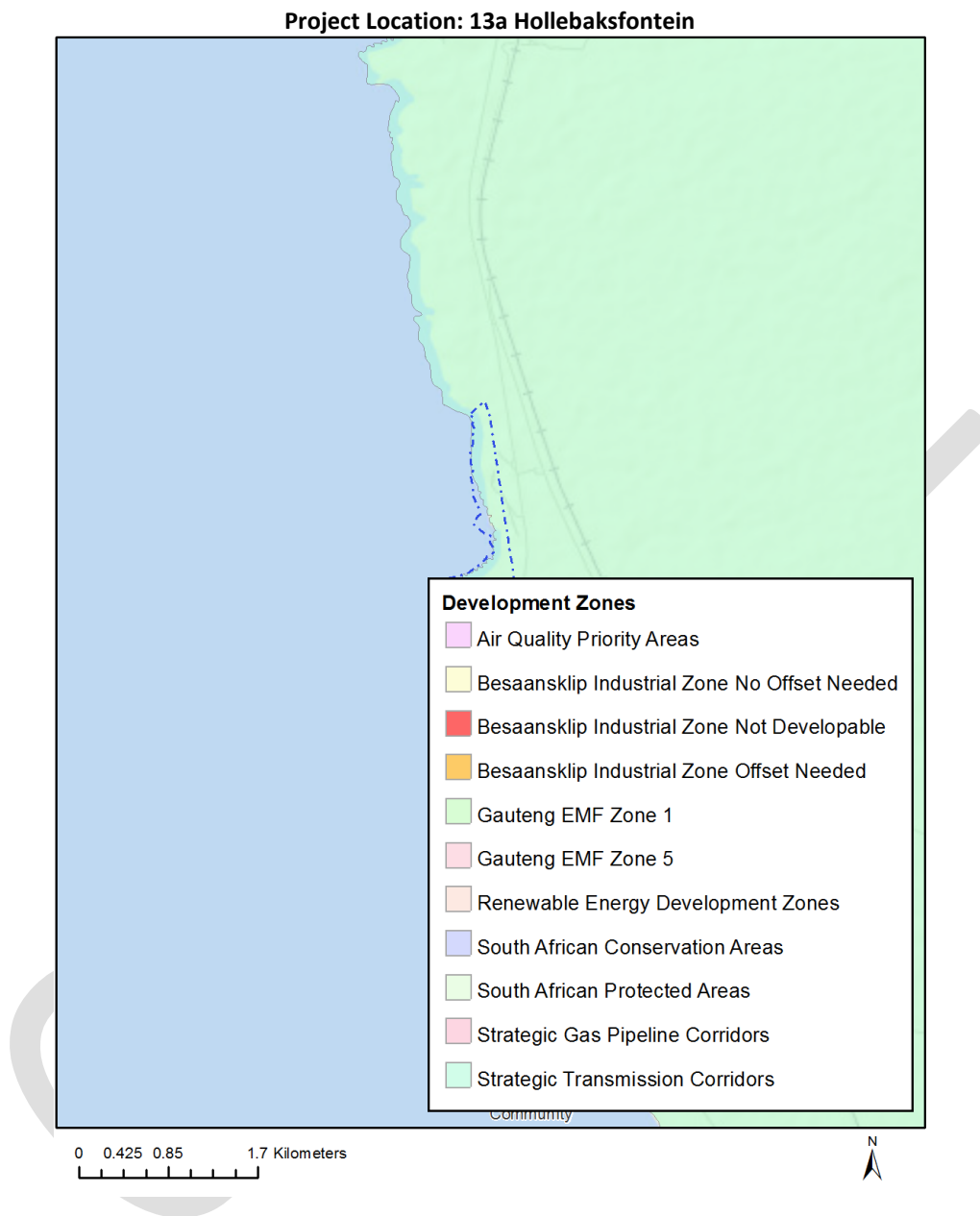
Mining | Mining Right.

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.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.

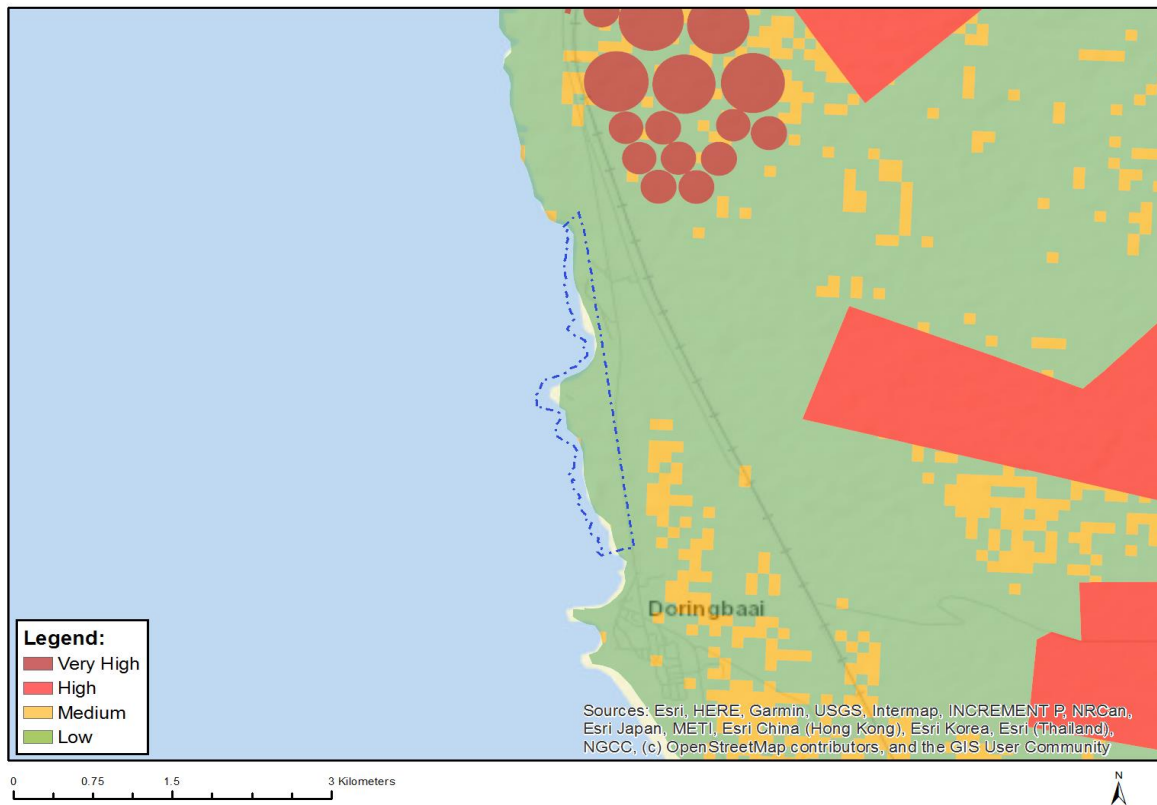
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

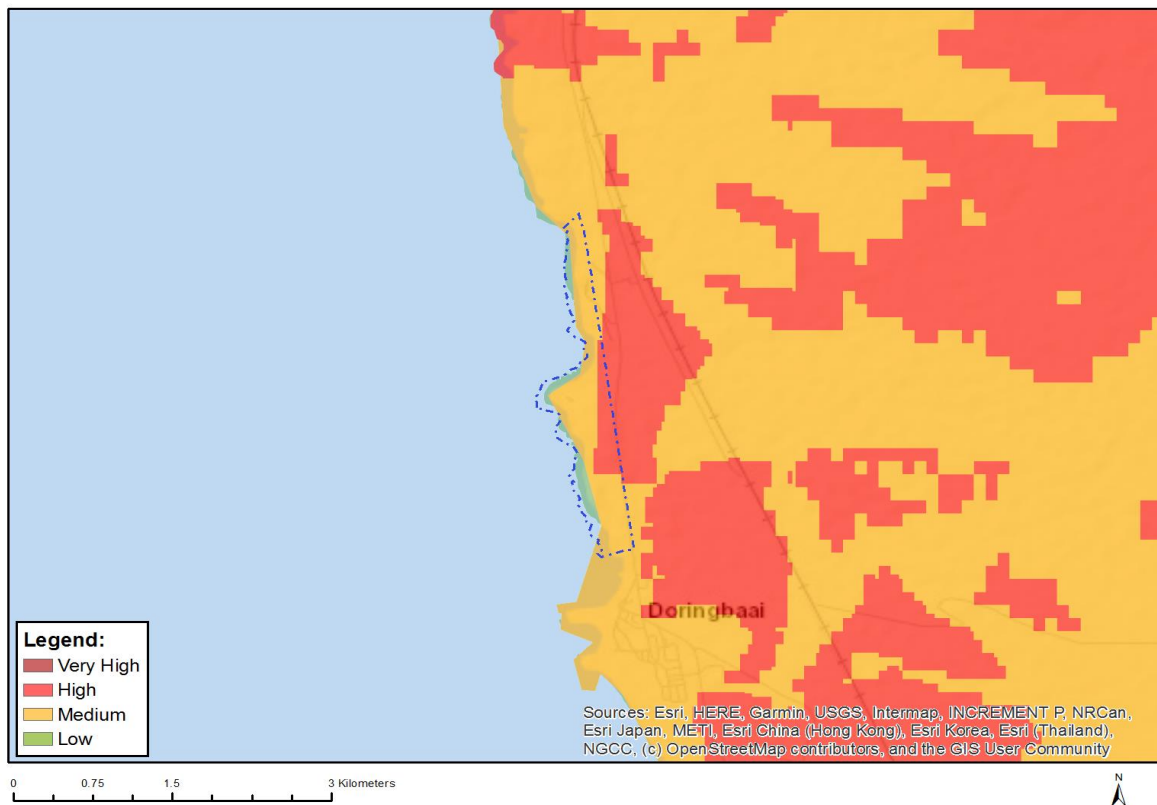


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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



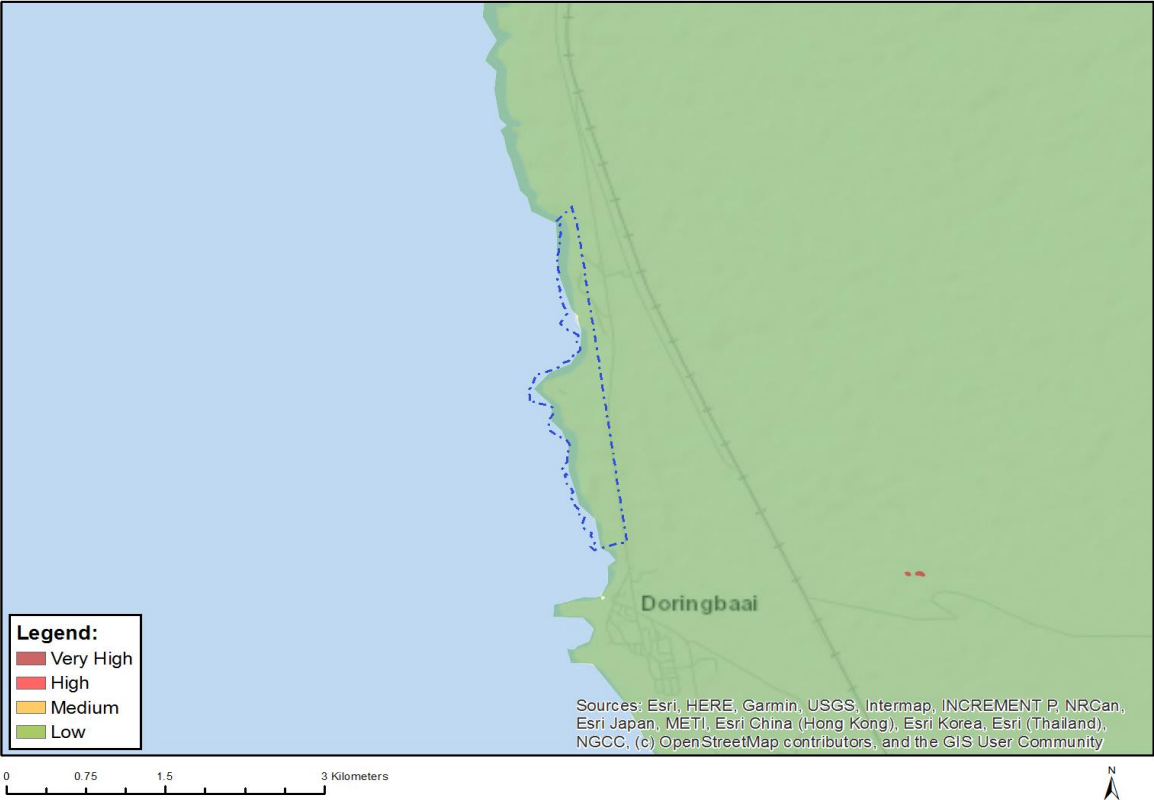
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 maurus
High	Aves-Neotis ludwigii
High	Aves-Sagittarius serpentarius
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Invertebrate-Bullacris obliqua
Medium	Sensitive species 13

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

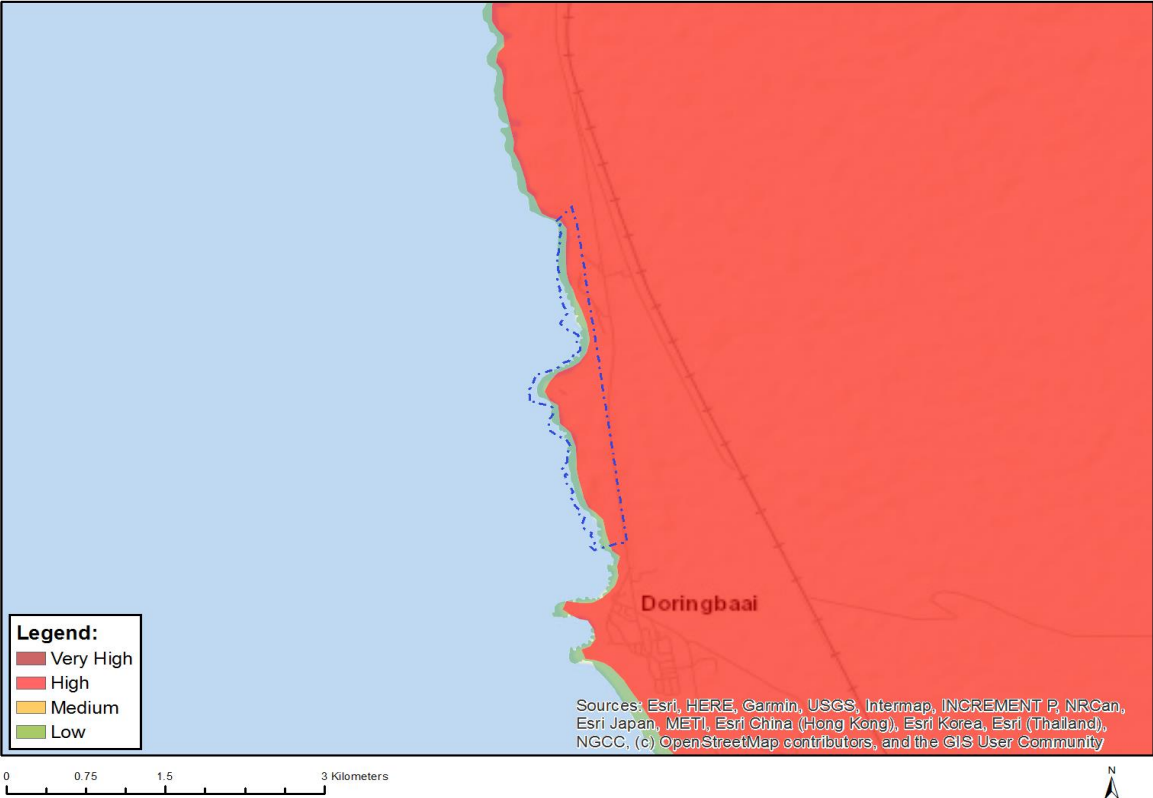


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 50m of a Grade IIIc Heritage site
Low	Low sensitivity
Very High	Within 100m of an Ungraded Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

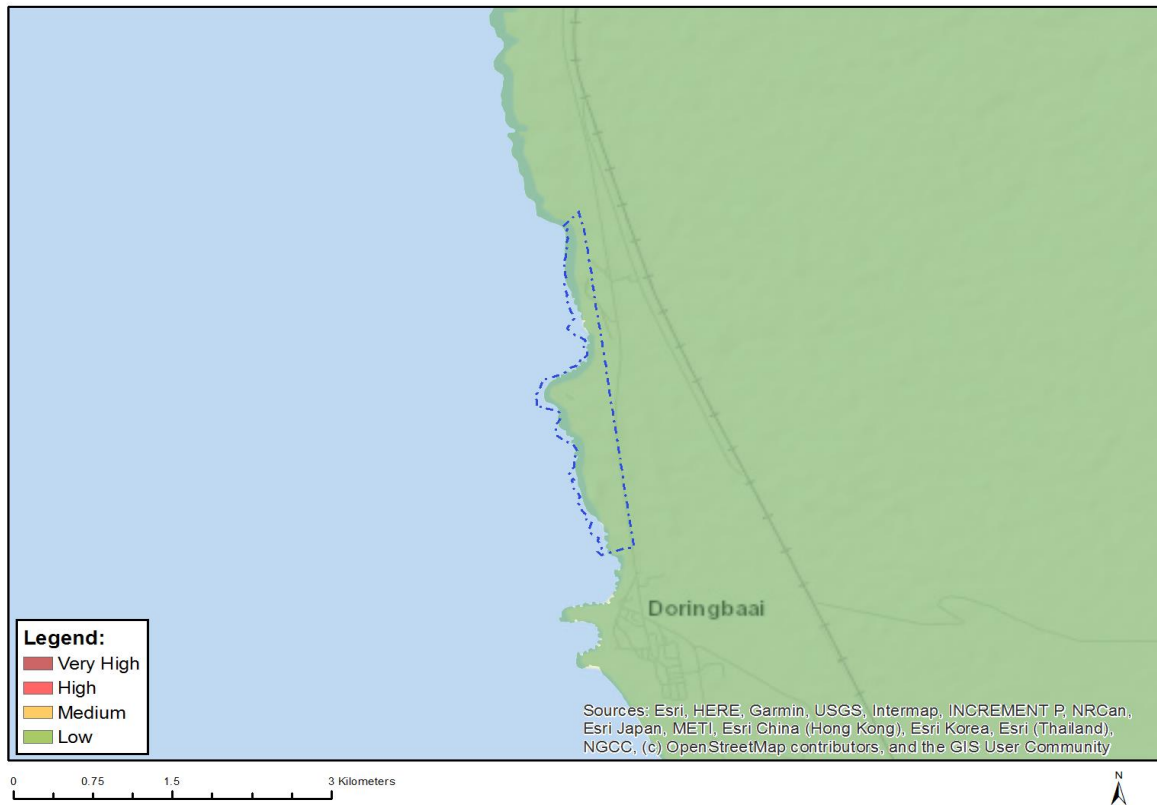


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

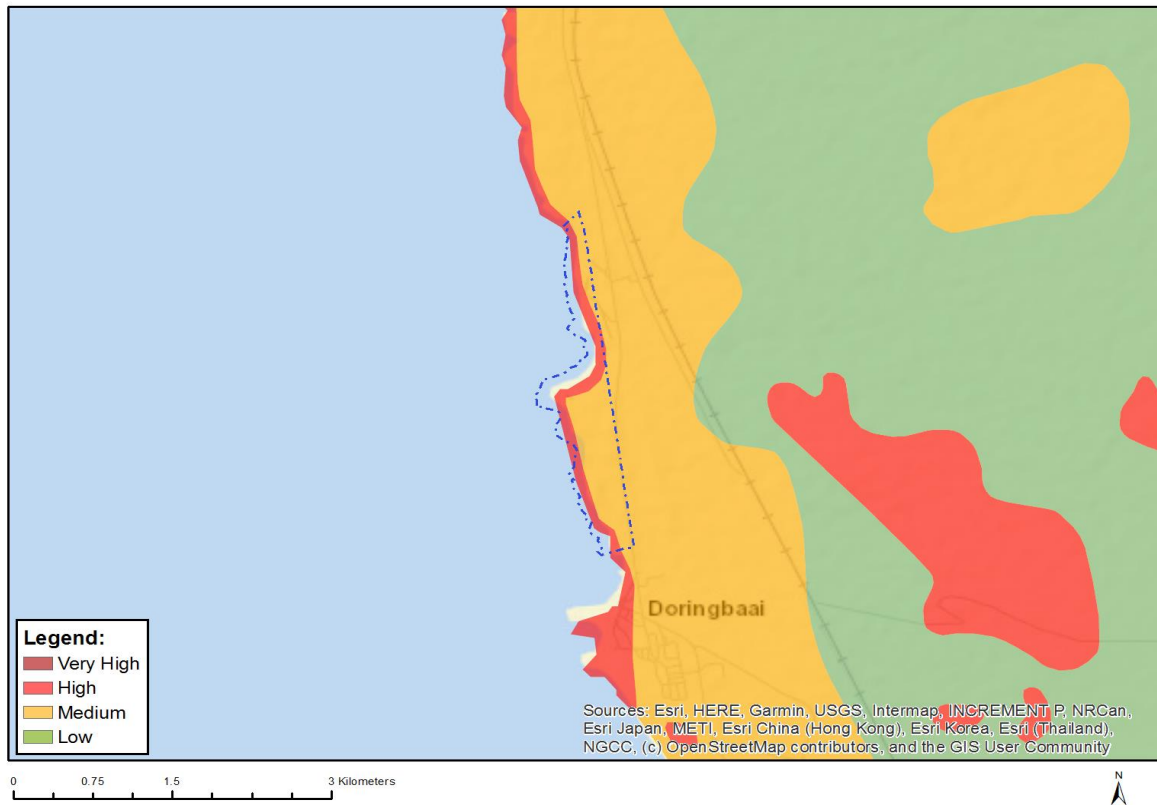


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

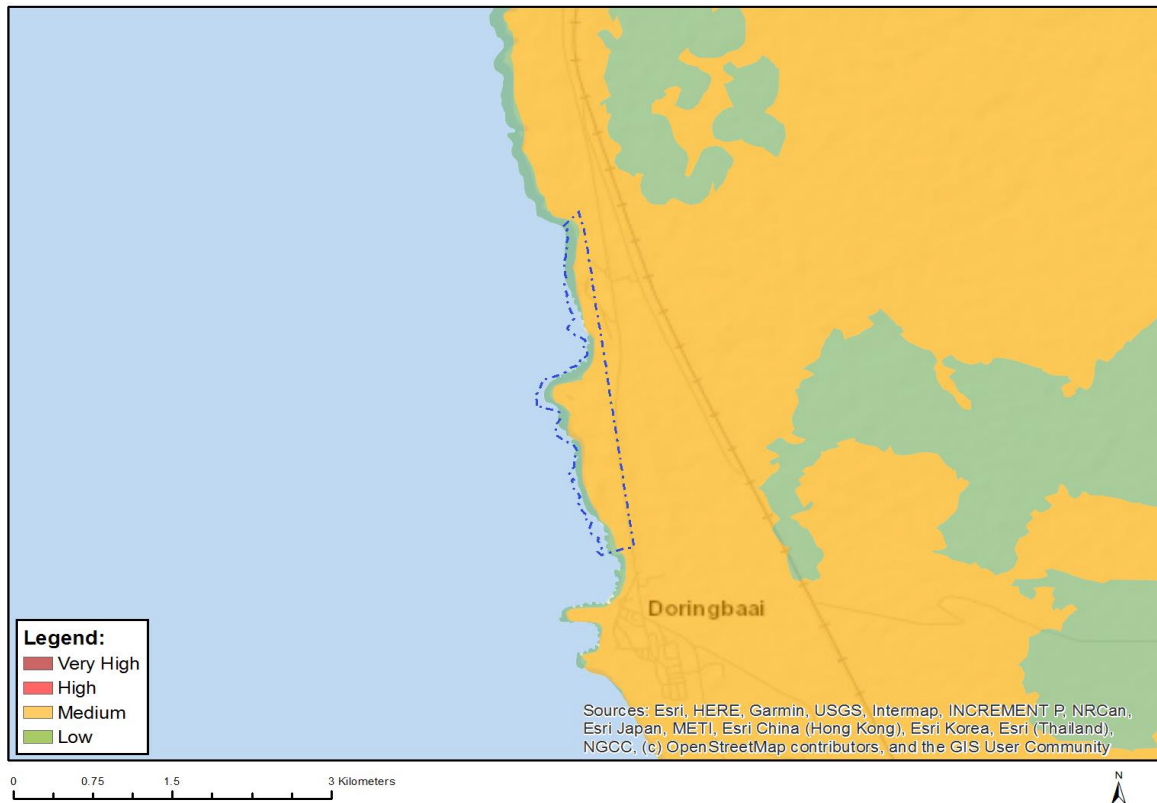


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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



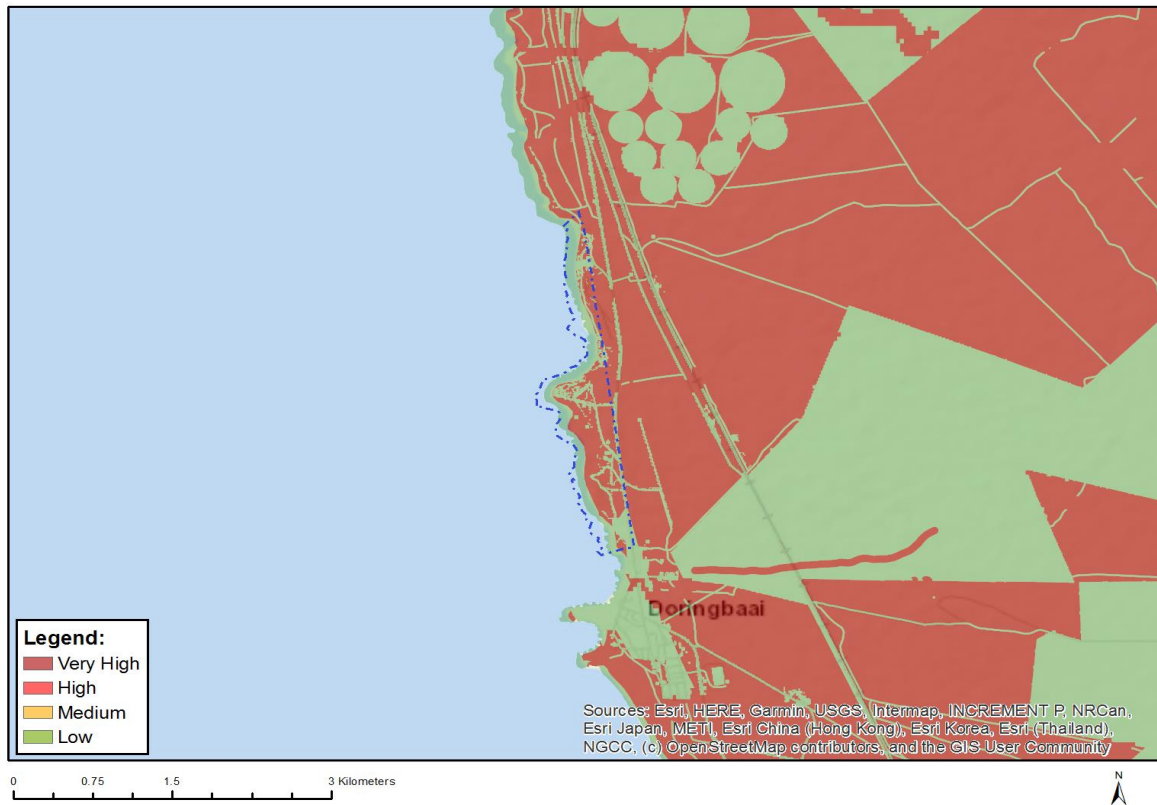
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
Low	Low Sensitivity
Medium	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Sensitive species 225
Medium	Chaenostoma multiramsum
Medium	Romulea sinispinosensis
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata

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	Ecological Support Area 2
Very High	Ecological Support Area 1
Very High	Critical Biodiversity Area 1

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

EIA Reference number: WC 10131 MR

Project name: 13a

Project title: EMP update

Date screening report generated: 15/07/2021 13:29:11

Applicant: Moonstone Diamond Marketing (Pty) Ltd

Compiler: Yvonne Gutoona

Compiler signature:

.....

Application Category: Mining|Mining Right

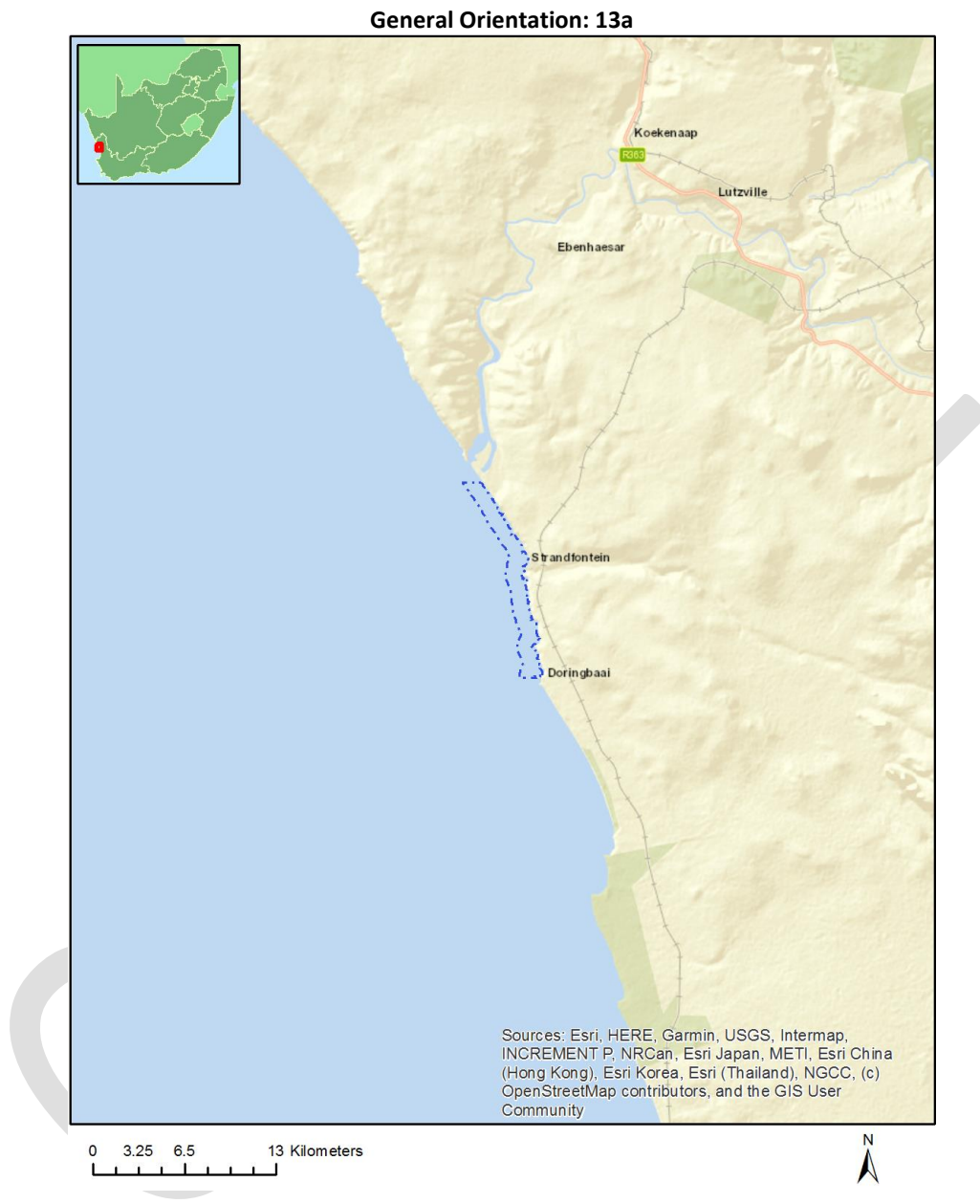
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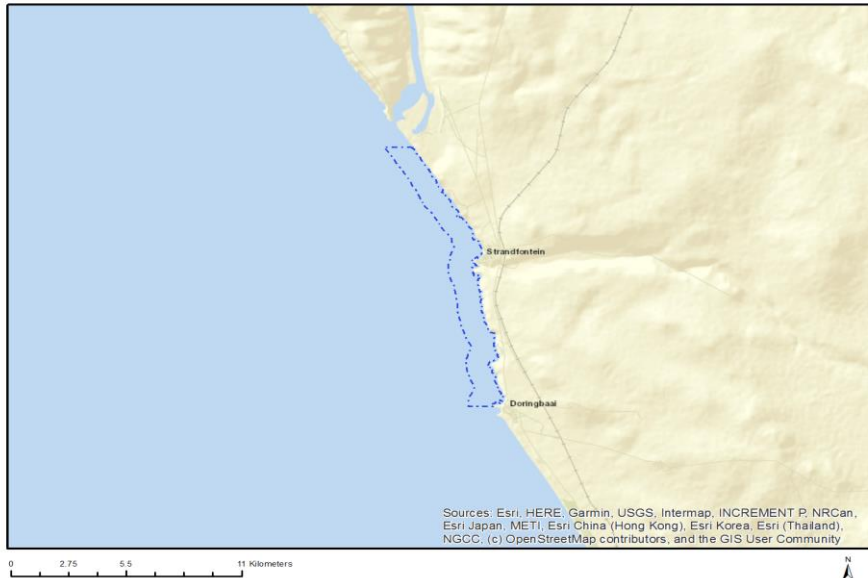
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 - Orientation map 1: General location 3
- Map of proposed site and relevant area(s) 4
 - Cadastral details of the proposed site 4
 - Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 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 6
 - Proposed Development Area Environmental Sensitivity 6
 - Specialist assessments identified 7
- Results of the environmental sensitivity of the proposed area 9
 - MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY 9
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 - MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY 11
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 - MAP OF RELATIVE DEFENCE THEME SENSITIVITY 13
 - MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY 14
 - MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY 15
 - 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
1		426	0	31°47'58.38S	18°13'42.23E	Farm
2		425	0	31°47'55.77S	18°13'49.21E	Farm
3		425	0	31°47'54.98S	18°13'51.98E	Farm Portion
4		426	0	31°48'2.36S	18°13'46.08E	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 No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2178	Solar PV	Approved	27.2

Environmental Management Frameworks relevant to the application

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 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:

Mining | Mining Right.

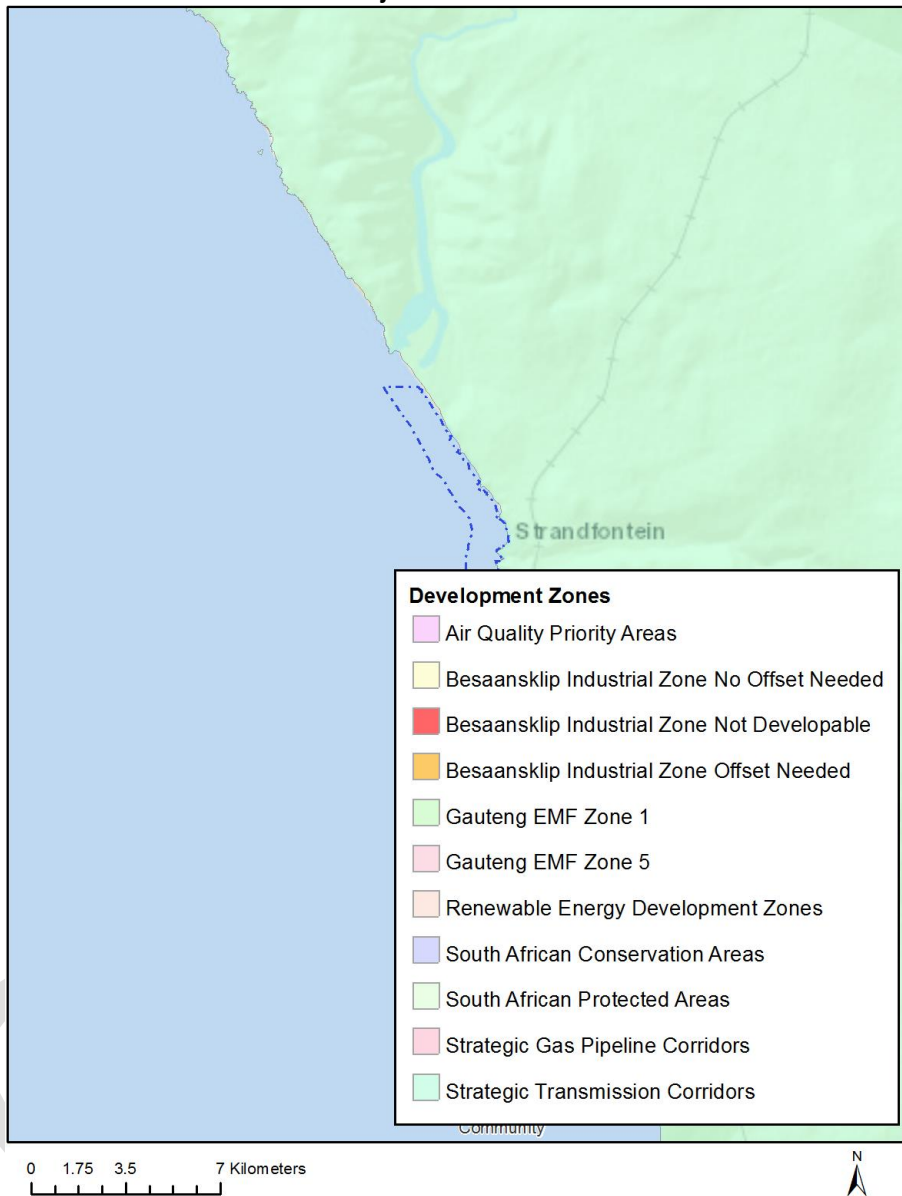
Relevant development incentives, restrictions, exclusions or prohibitions

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.pdf

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

Project Location: 13a



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
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.

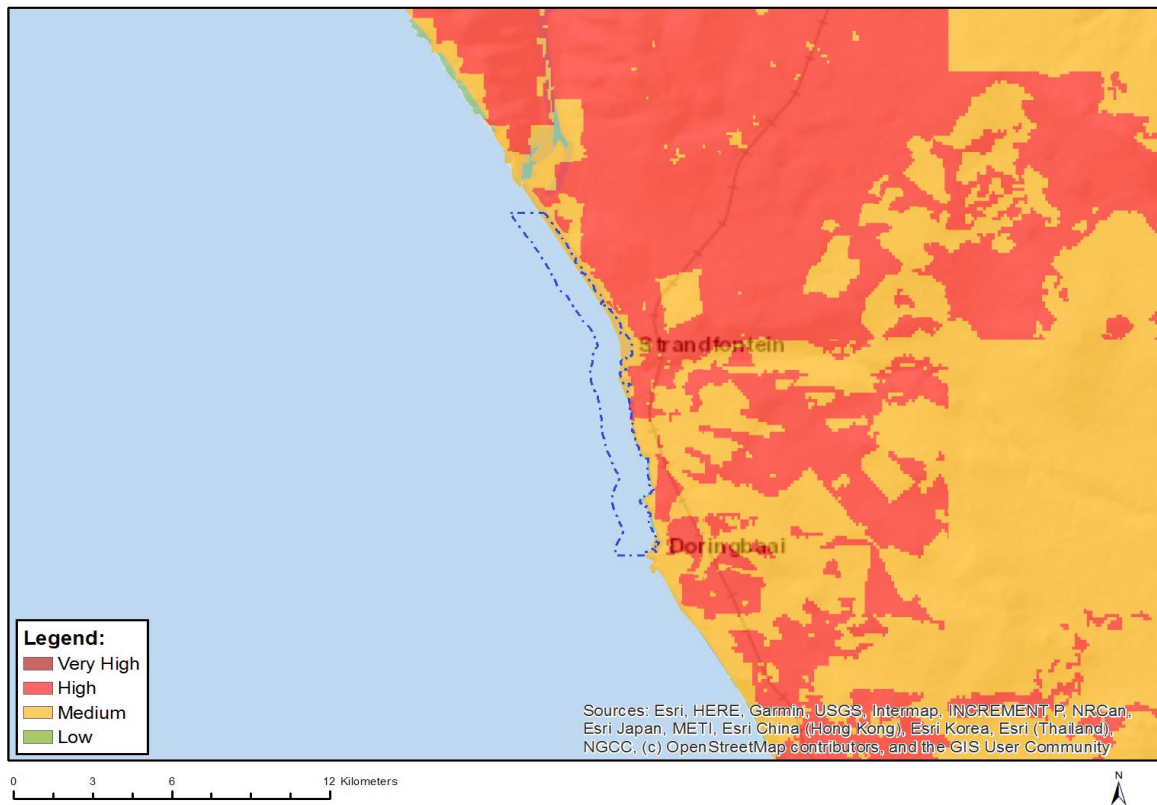
No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf

	ent	
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
18	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 ANIMAL SPECIES THEME SENSITIVITY



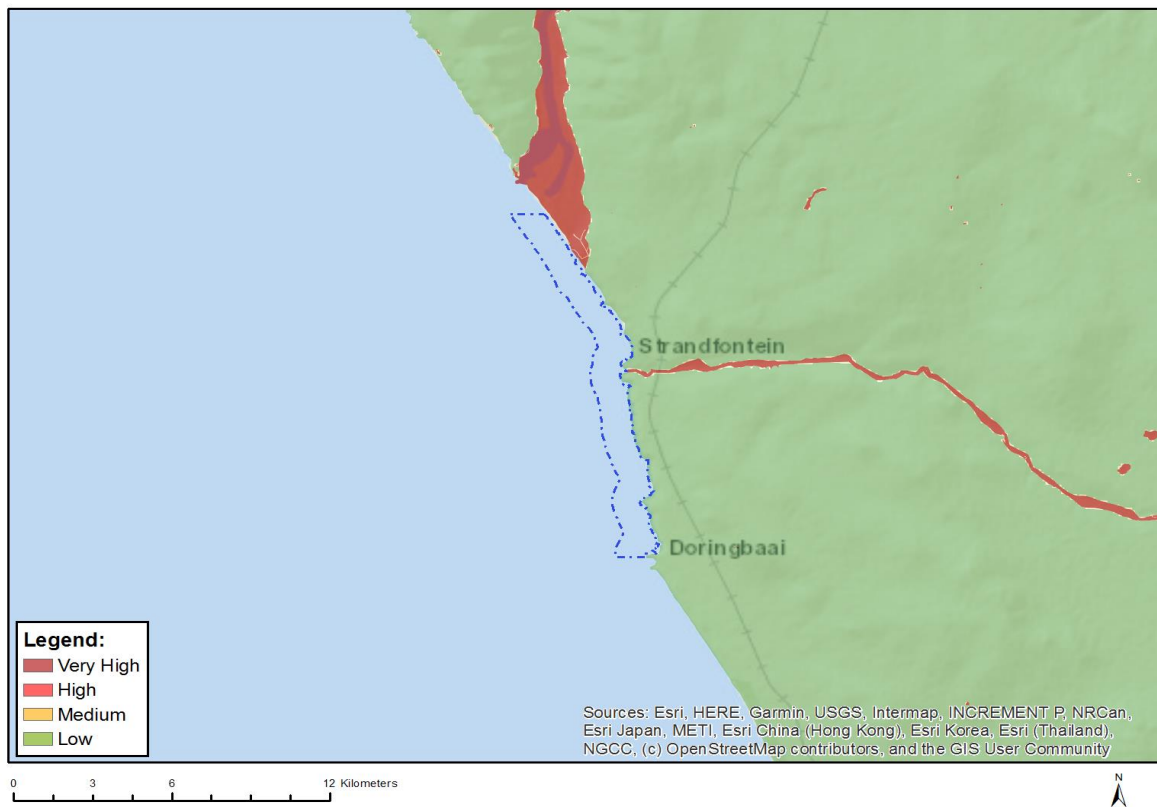
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 maurus
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Invertebrate-Bullacris obliqua

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

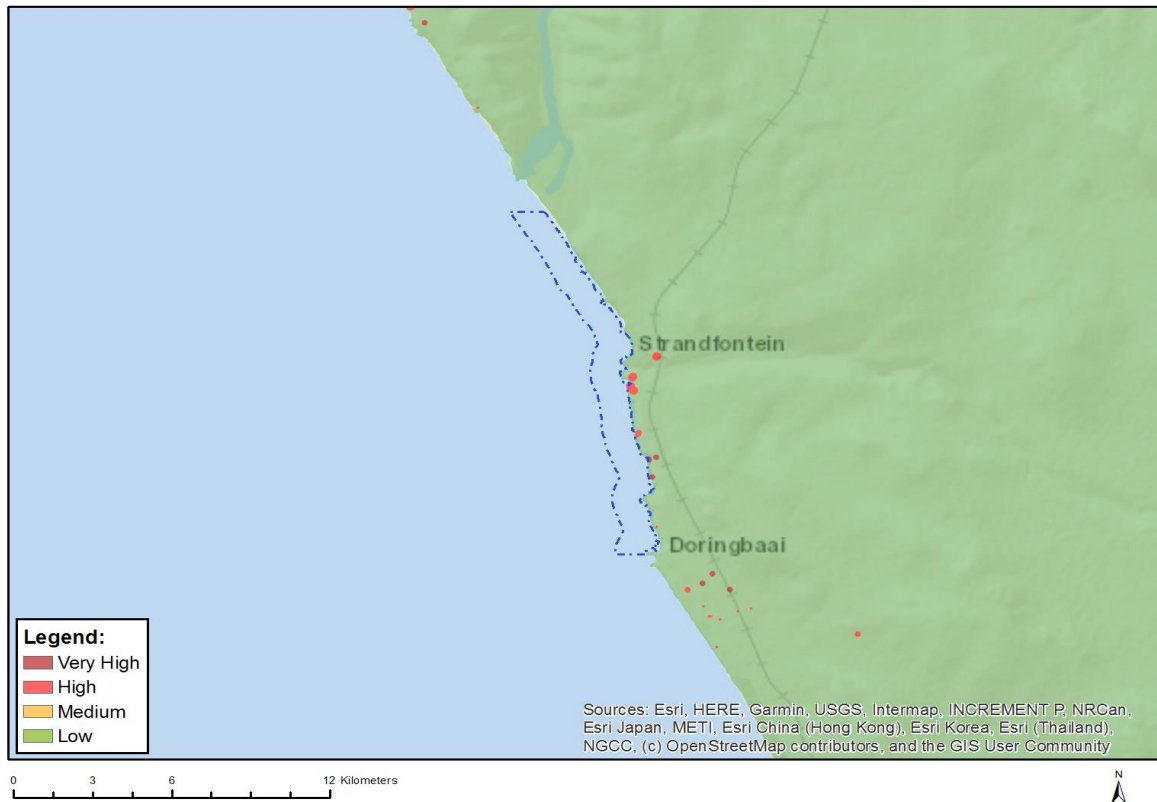


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

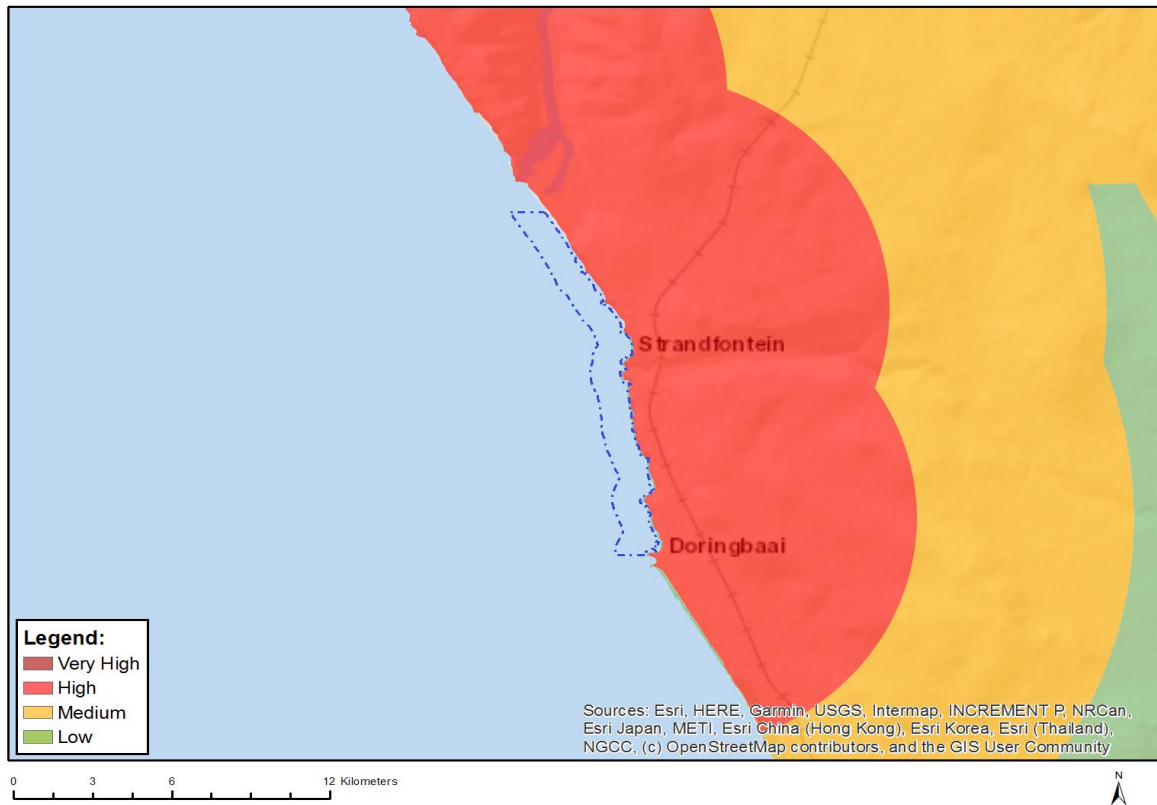


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
Low	Low sensitivity
Very High	Within 100m of an Ungraded Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

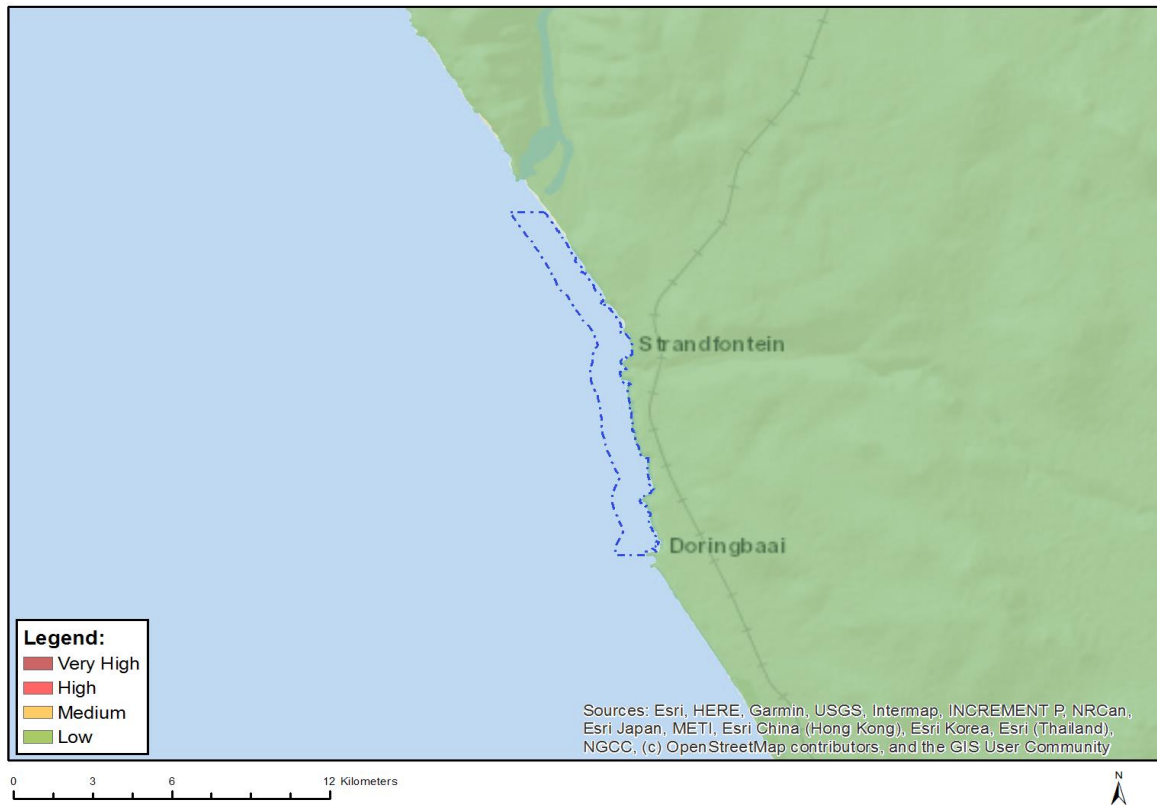


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

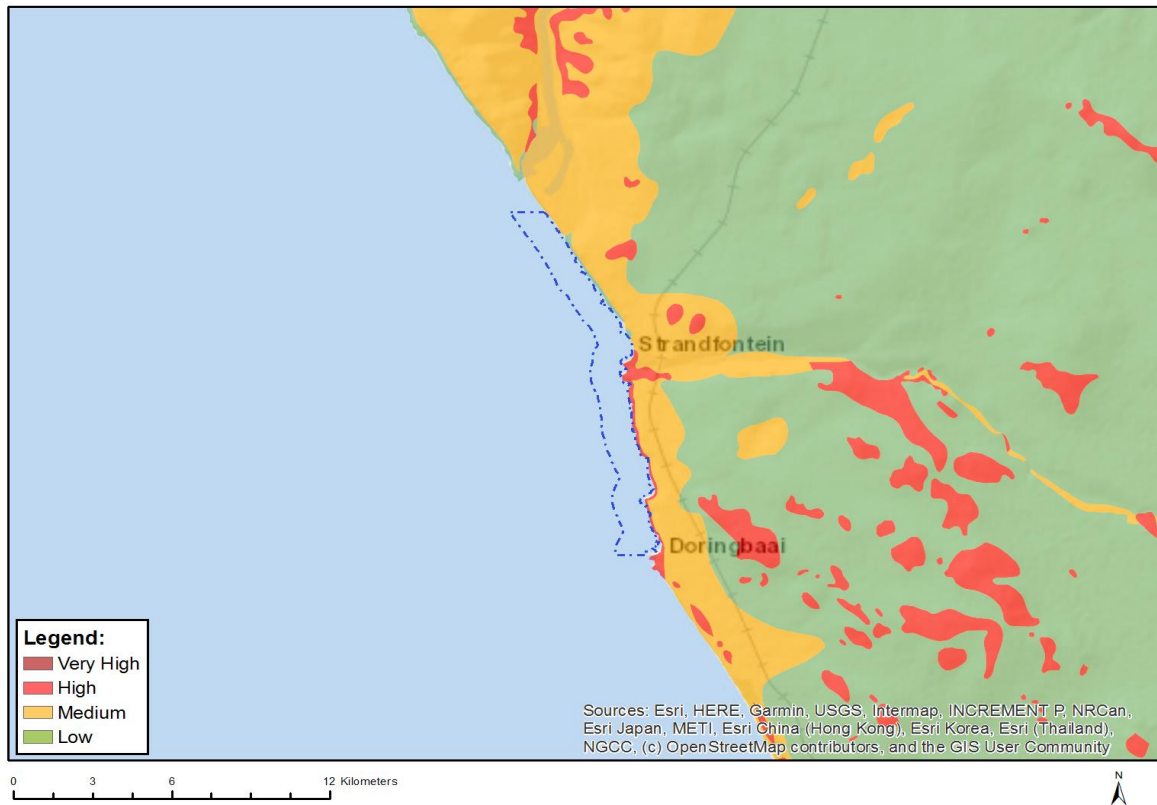


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

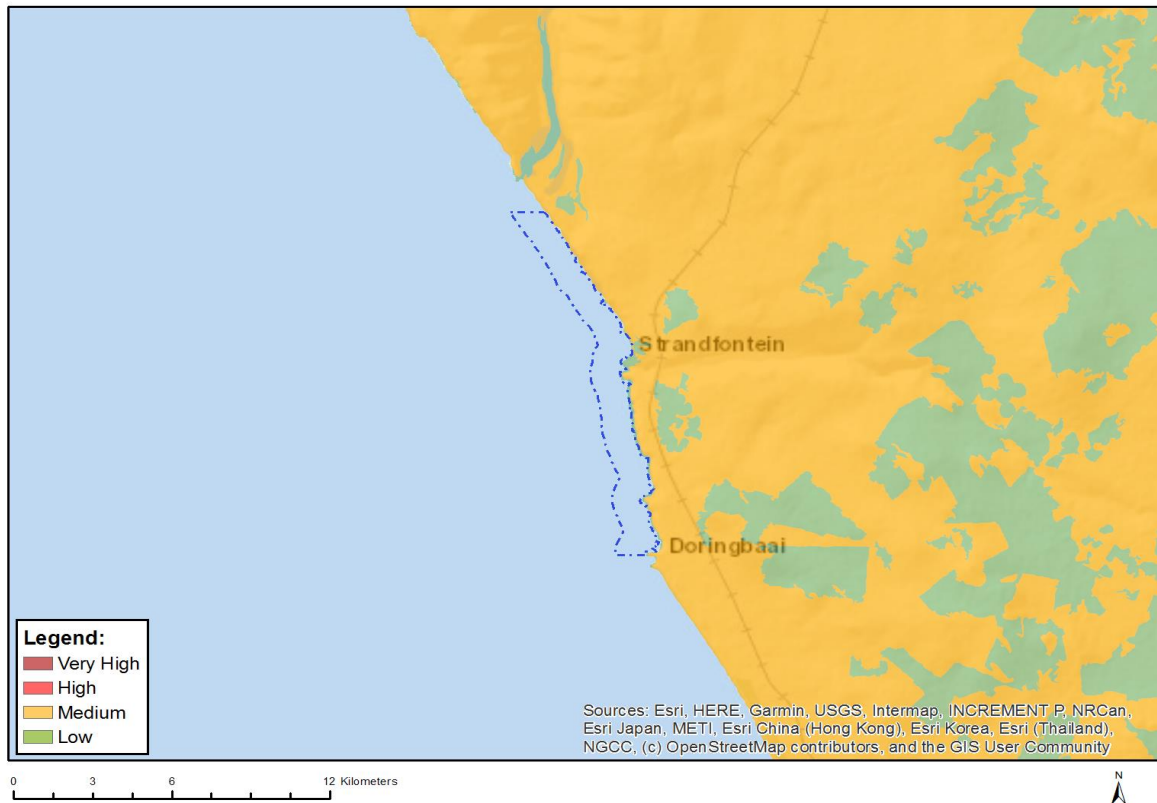


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



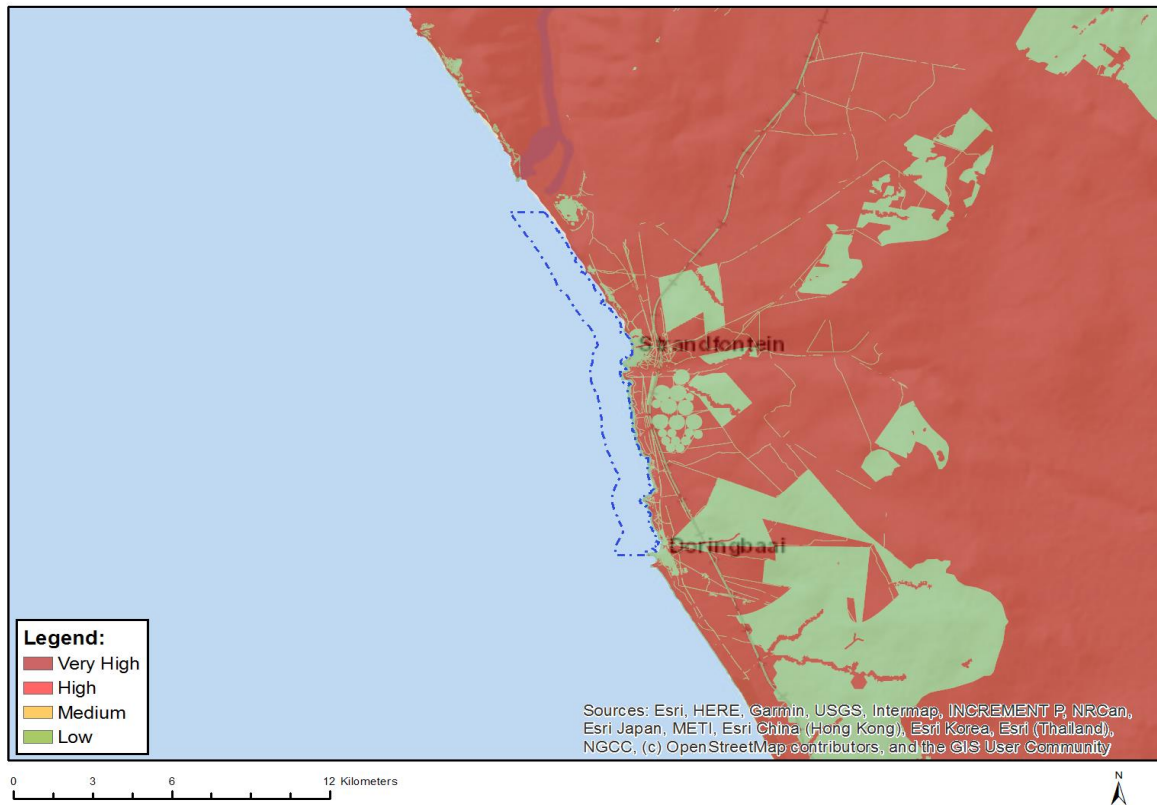
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Sensitive species 225
Medium	Chaenostoma multiramsum
Medium	Romulea sinispinosensis
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata
Medium	Zostera capensis

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

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

EIA Reference number: WC 10134 MR

Project name: Farm 423

Project title: EMP Update

Date screening report generated: 15/07/2021 13:02:52

Applicant: Moonstone Diamond Marketing (Pty) Ltd

Compiler: Yvonne Gutoona

Compiler signature:

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Application Category: Mining|Mining Right

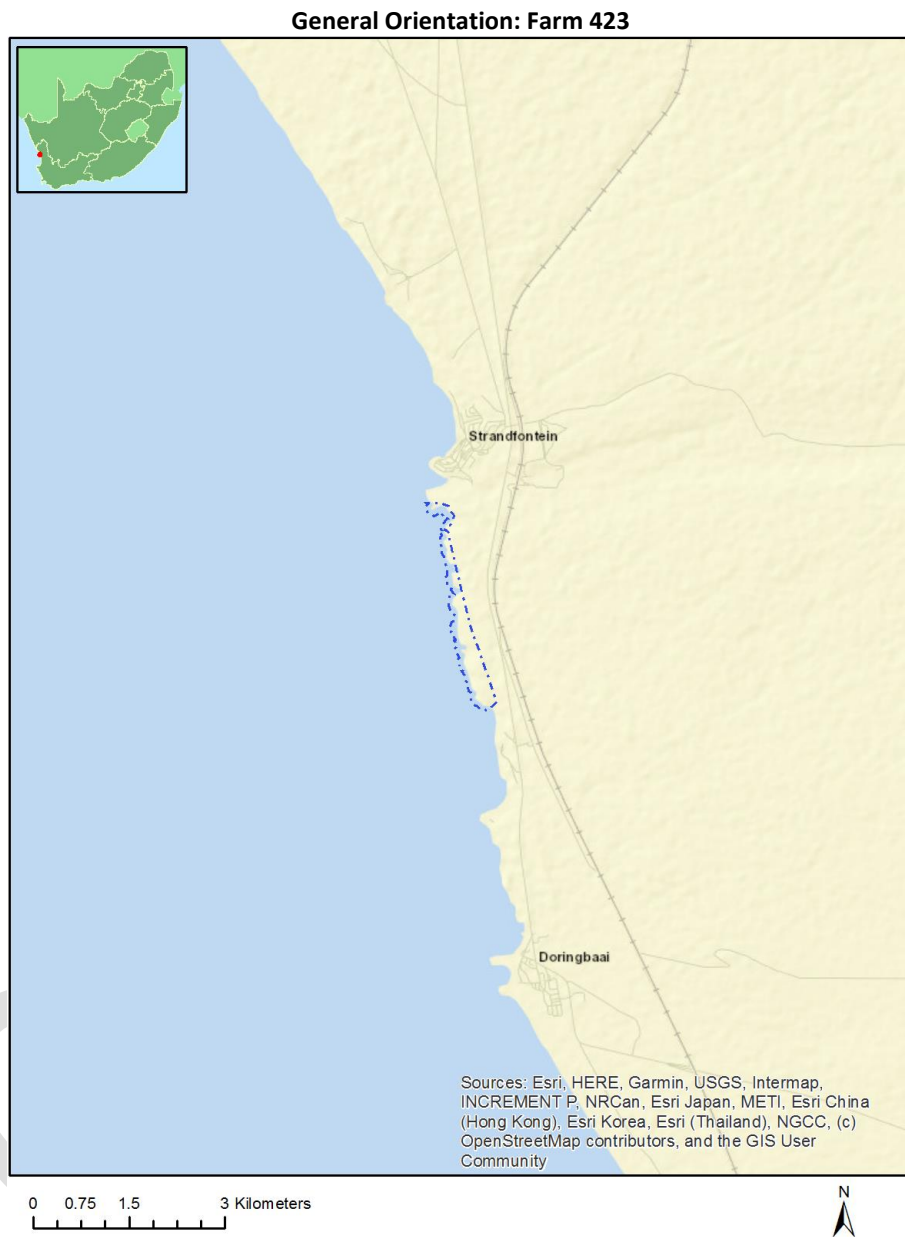
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MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	17

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	LOUIS ROOD	309	0	31°45'39.13S	18°13'22.5E	Erven
2	HALLEBAKSTRANDFONTEIN	270	0	31°47'54.03S	18°15'59.63E	Farm
3		423	0	31°46'41.71S	18°13'40.1E	Farm
4		425	0	31°47'55.77S	18°13'49.21E	Farm
5		426	0	31°47'58.38S	18°13'42.23E	Farm
6		426	0	31°48'2.36S	18°13'46.08E	Farm Portion
7	HALLEBAKSTRANDFONTEIN	270	82	31°47'3.3S	18°13'57.69E	Farm Portion
8		423	0	31°46'40.46S	18°13'39.91E	Farm Portion
9		425	0	31°47'54.98S	18°13'51.98E	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	12/12/20/2178	Solar PV	Approved	28.3

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:

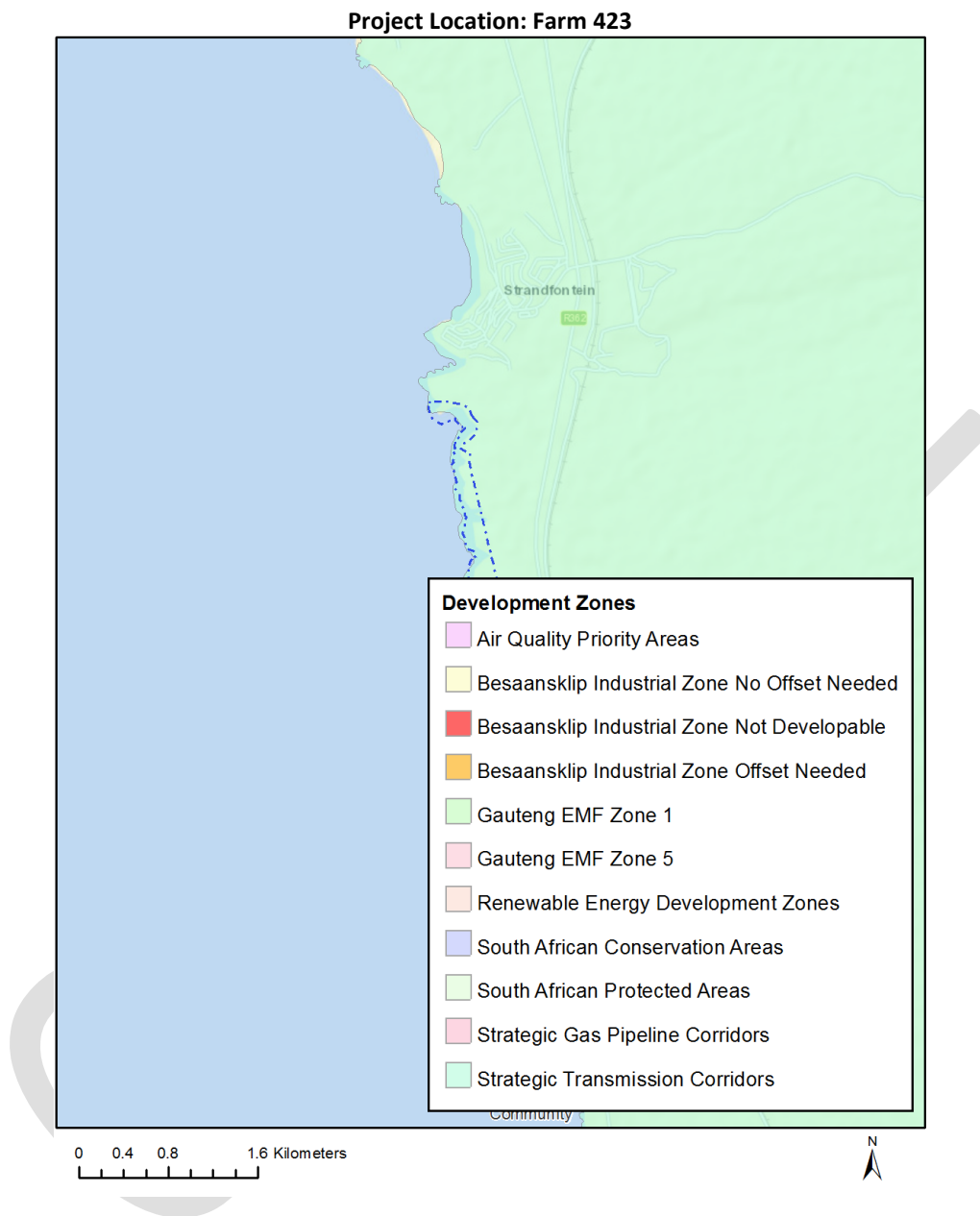
Mining | Mining Right.

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.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.

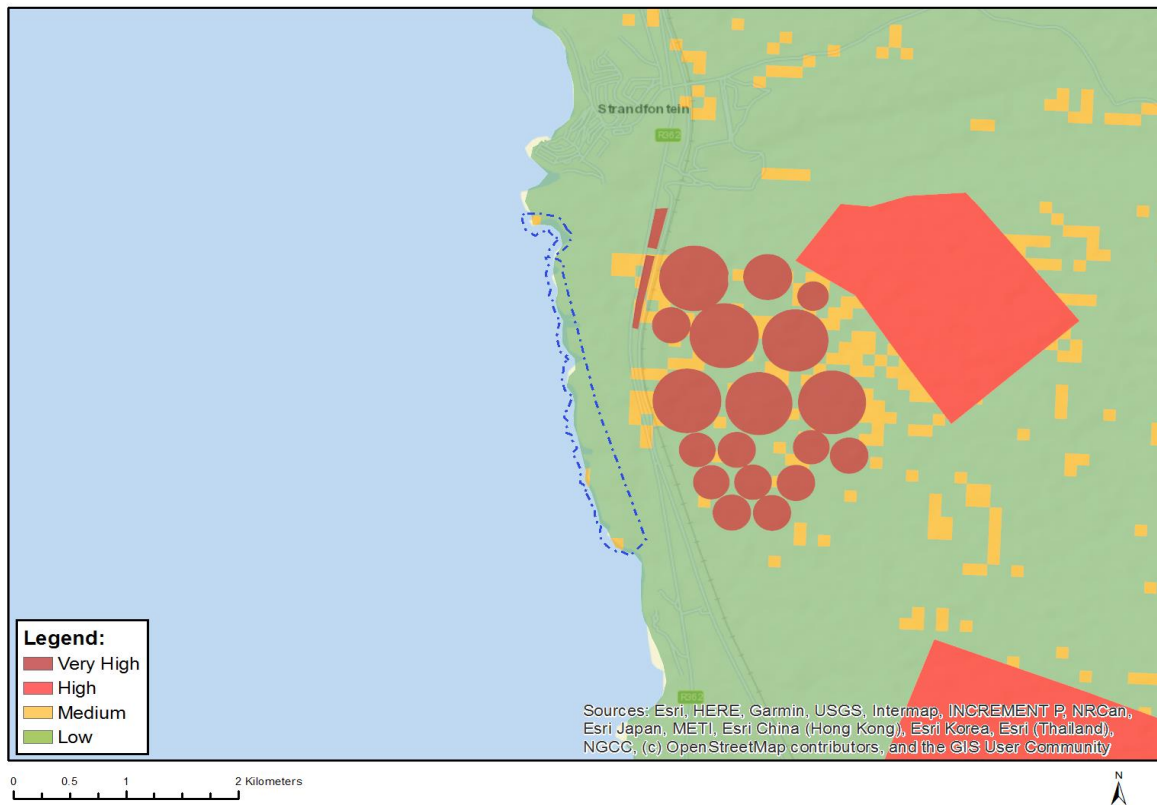
N o	Special ist assessm ent	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

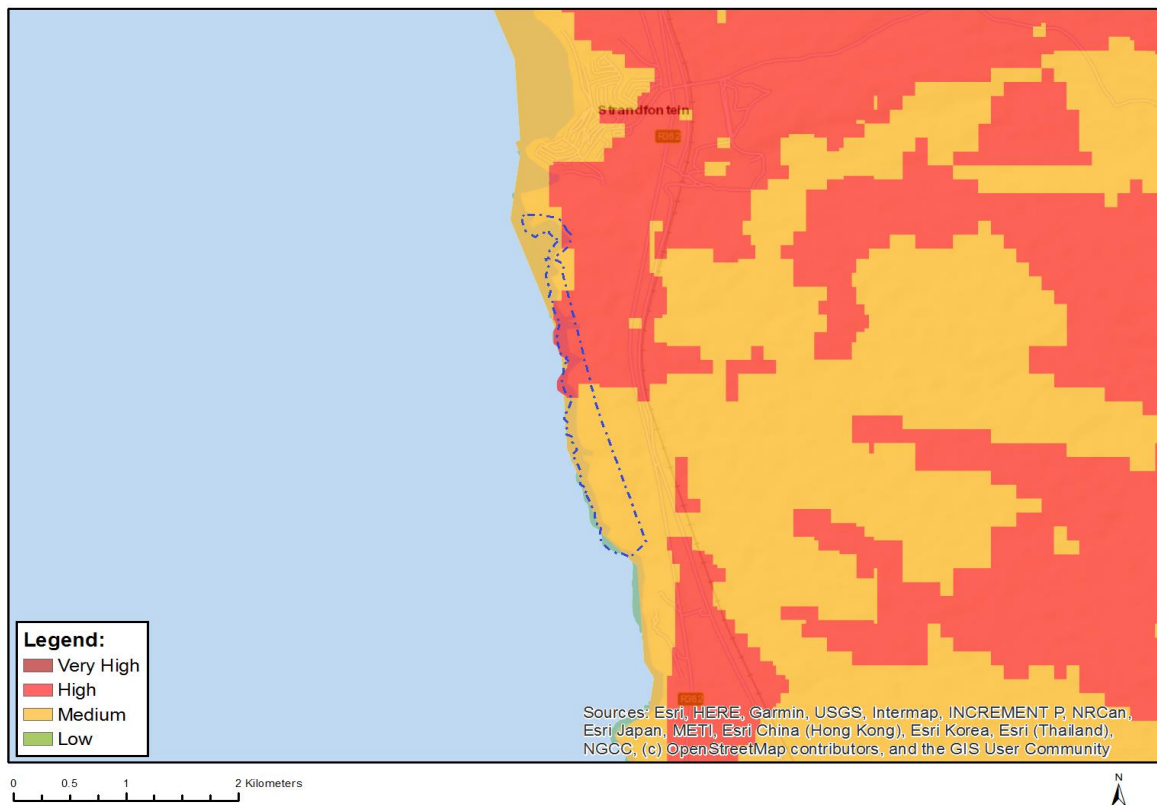


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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 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 maurus
High	Aves-Neotis ludwigii
Low	Low sensitivity
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Invertebrate-Bullacris obliqua

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

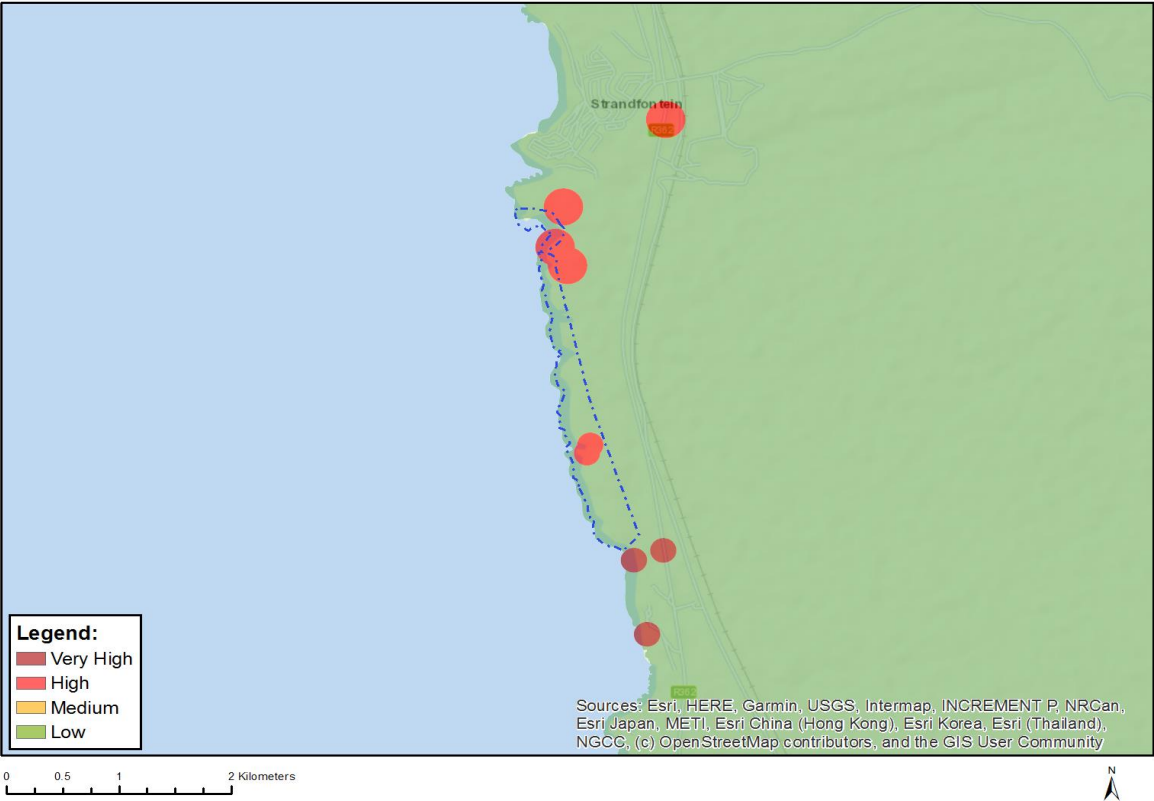


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

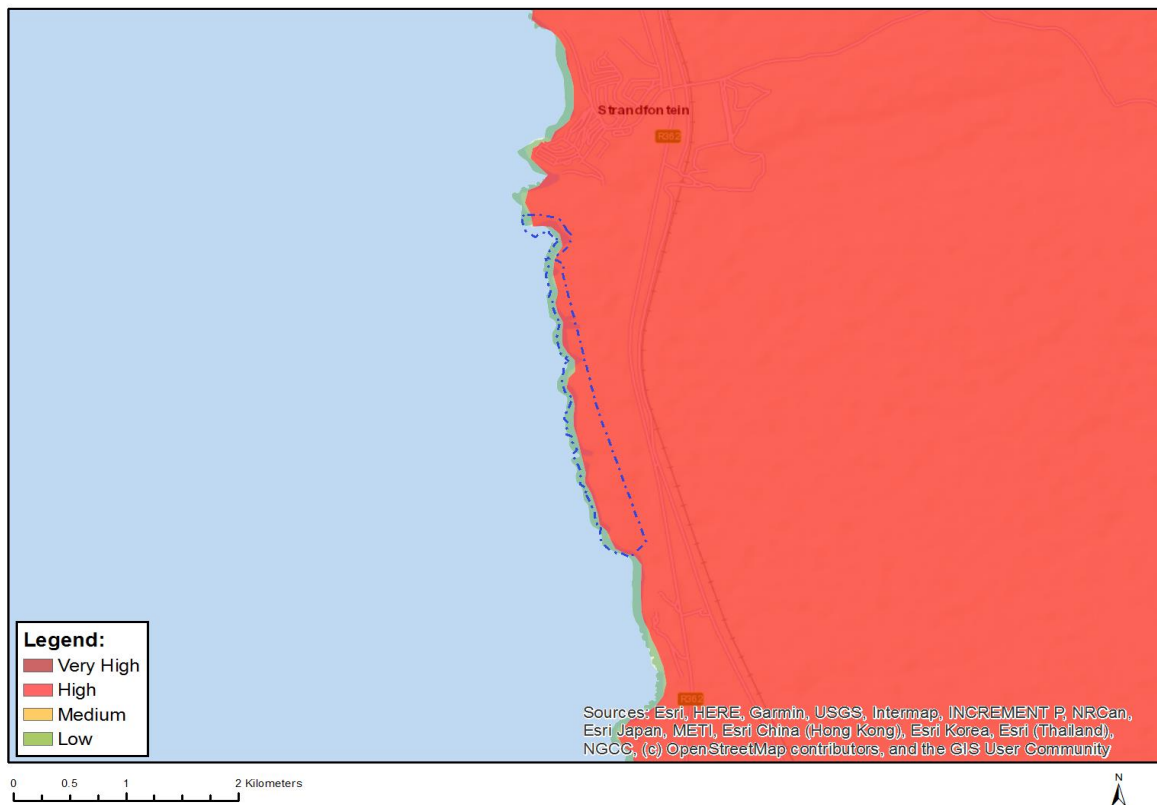


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
High	Within 100m of a Grade IIIb Heritage site
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)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

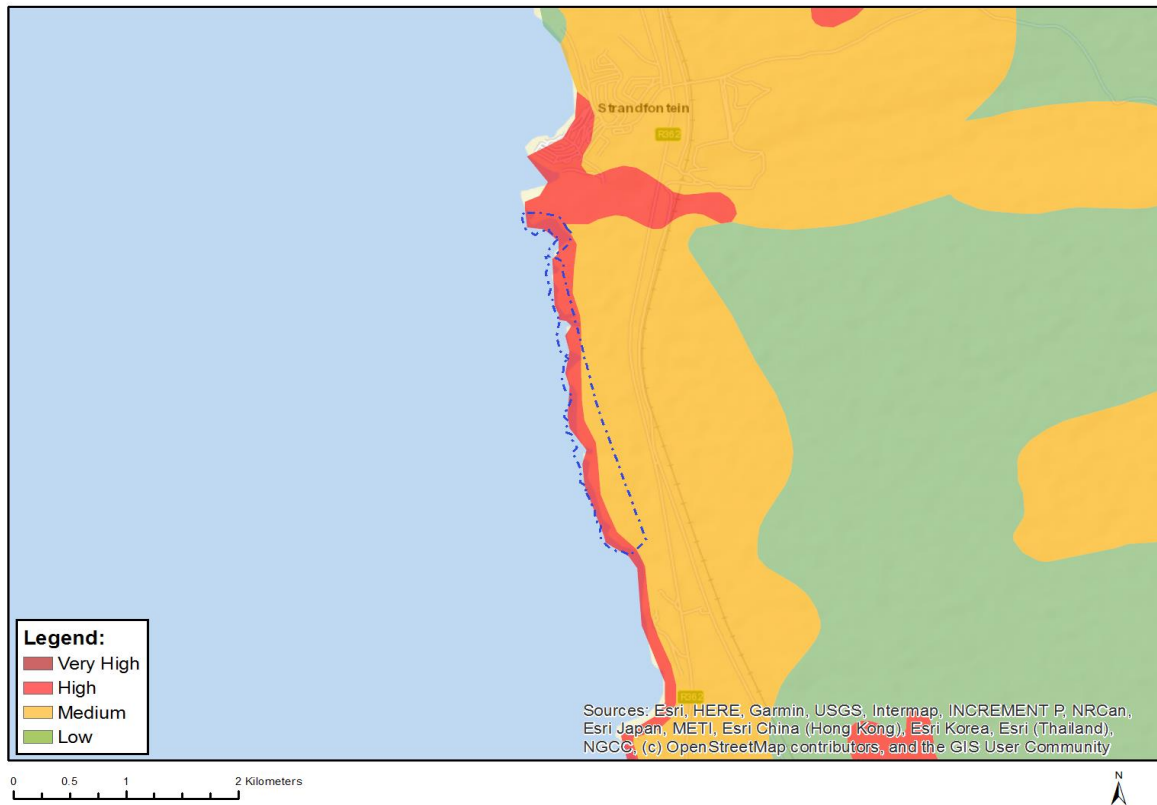


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

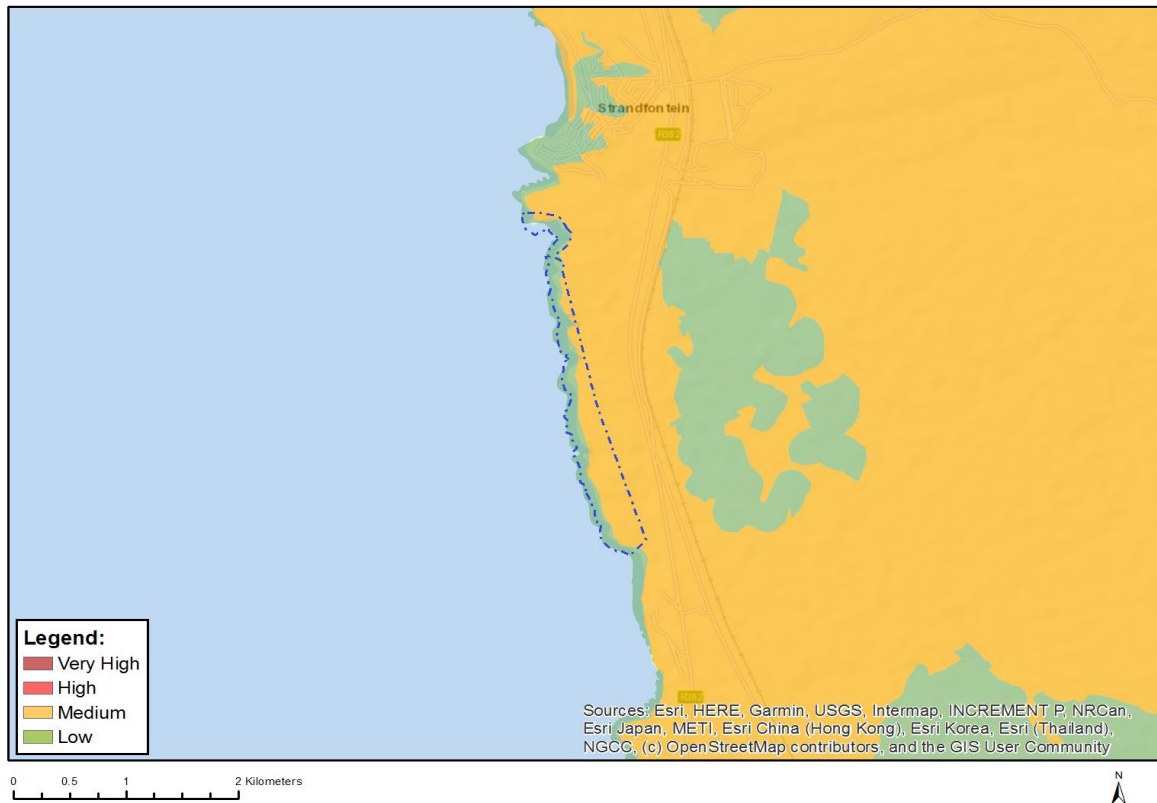


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

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



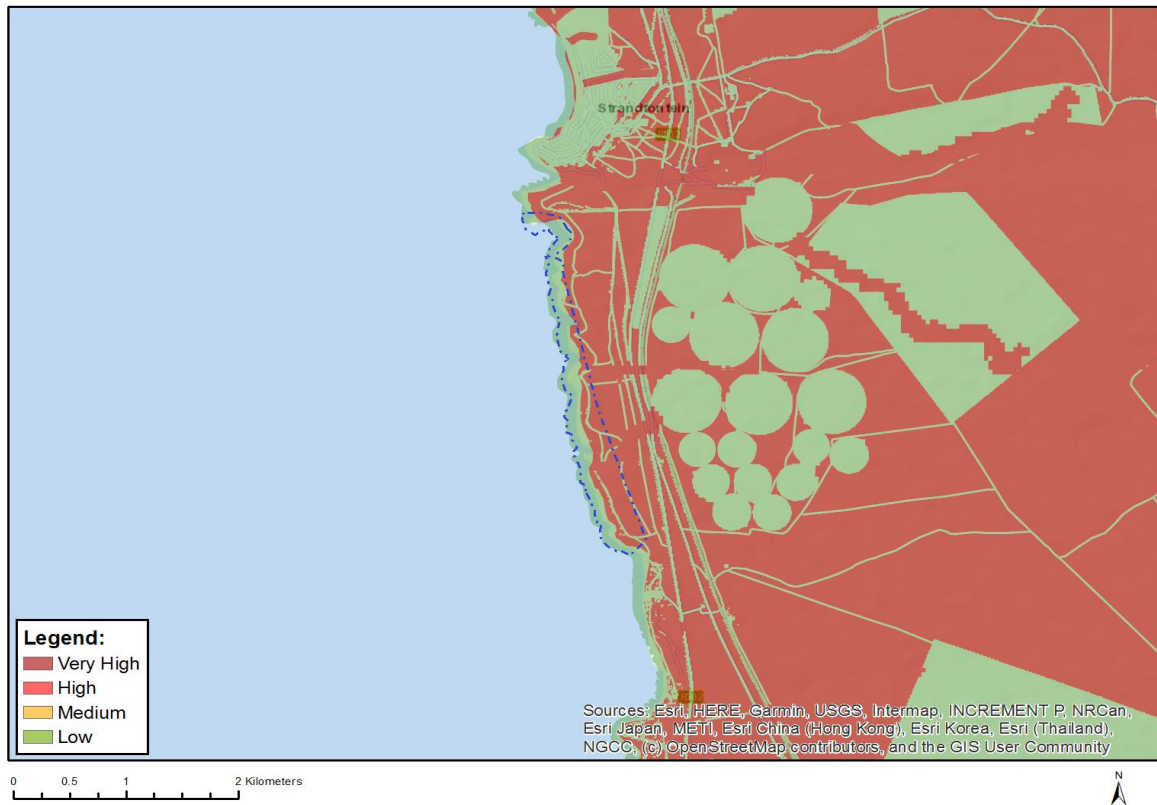
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at aiadatarequests@sanbi.org.za listing all sensitive species with their 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)
Low	Low Sensitivity
Medium	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Sensitive species 225
Medium	Chaenostoma multiramsum
Medium	Romulea sinispinosensis
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata

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	Ecological Support Area 2
Very High	Critical Biodiversity Area 1

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

EIA Reference number: WC 10136 MR

Project name: Papendorp

Project title: EMP update

Date screening report generated: 15/07/2021 13:46:37

Applicant: Moonstone Diamond Marketing (Pty) Ltd

Compiler: Yvonne Gutoona

Compiler signature:
.....

Application Category: Mining|Mining Right

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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 No	Portion	Latitude	Longitude	Property Type
1	PAPENDORP	269	0	31°43'2.42S	18°12'40.18E	Farm
2	HALLEBAKSTRANDFONTEIN	270	0	31°47'54.03S	18°15'59.63E	Farm
3	PAPENDORP	269	0	31°42'27.37S	18°12'17.16E	Farm Portion
4	HALLEBAKSTRANDFONTEIN	270	13	31°44'52.42S	18°13'54.29E	Farm Portion
5	HALLEBAKSTRANDFONTEIN	270	13	31°44'54.75S	18°13'53.72E	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

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2178	Solar PV	Approved	27.1

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.

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:

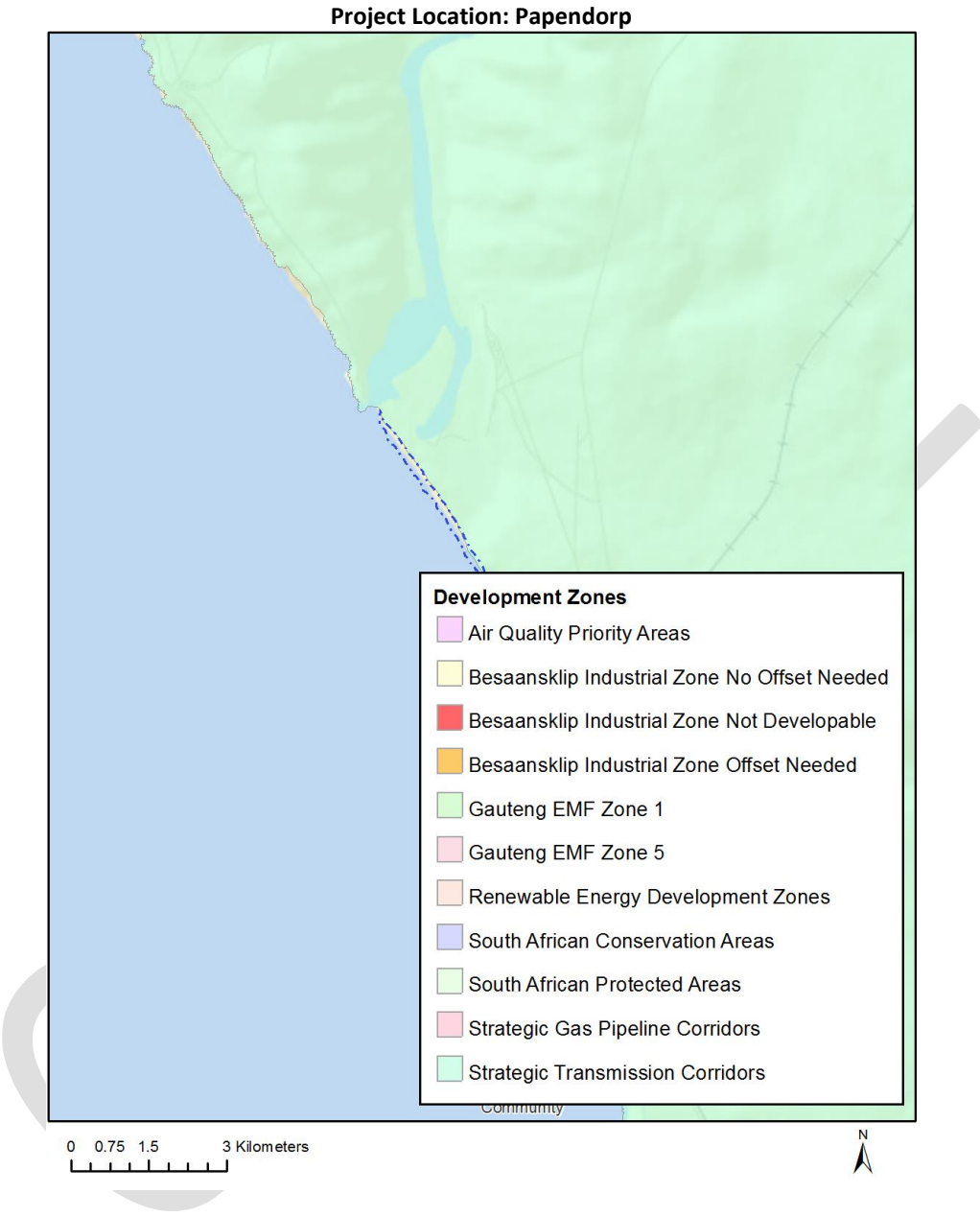
Mining | Mining Right.

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- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GN_113_16_February_2018.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.

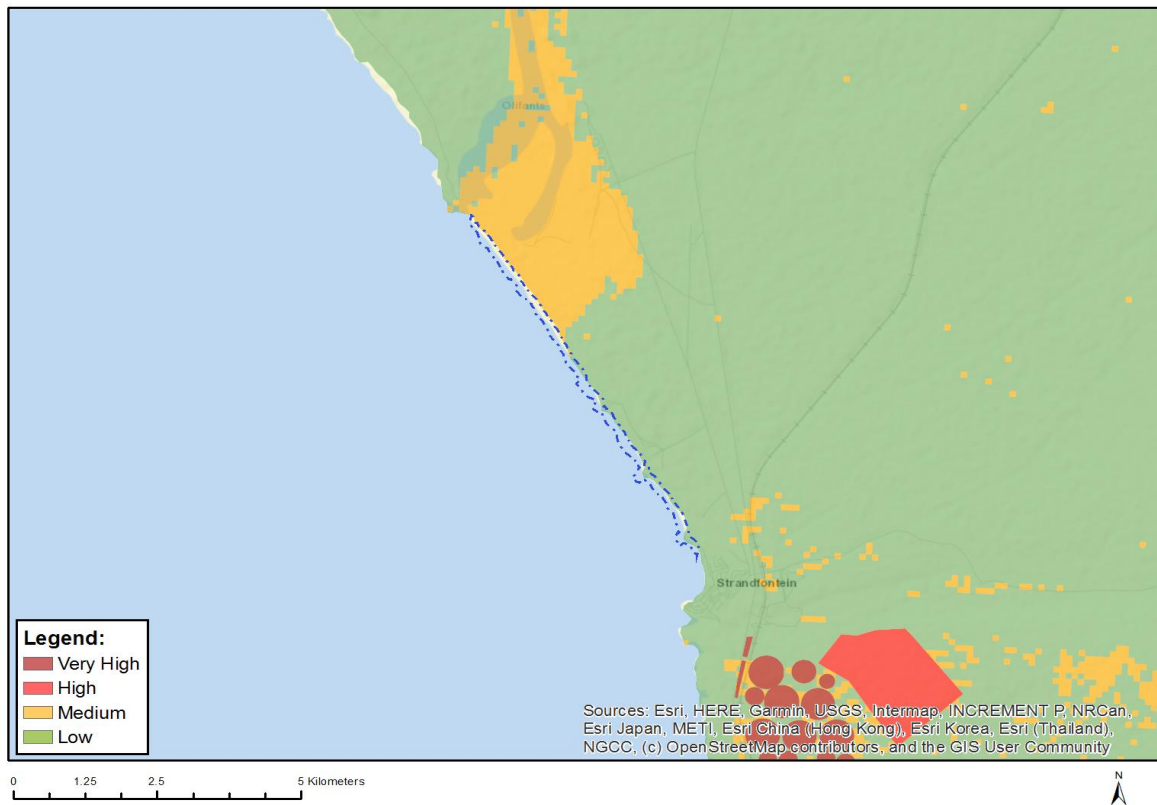
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.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/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	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

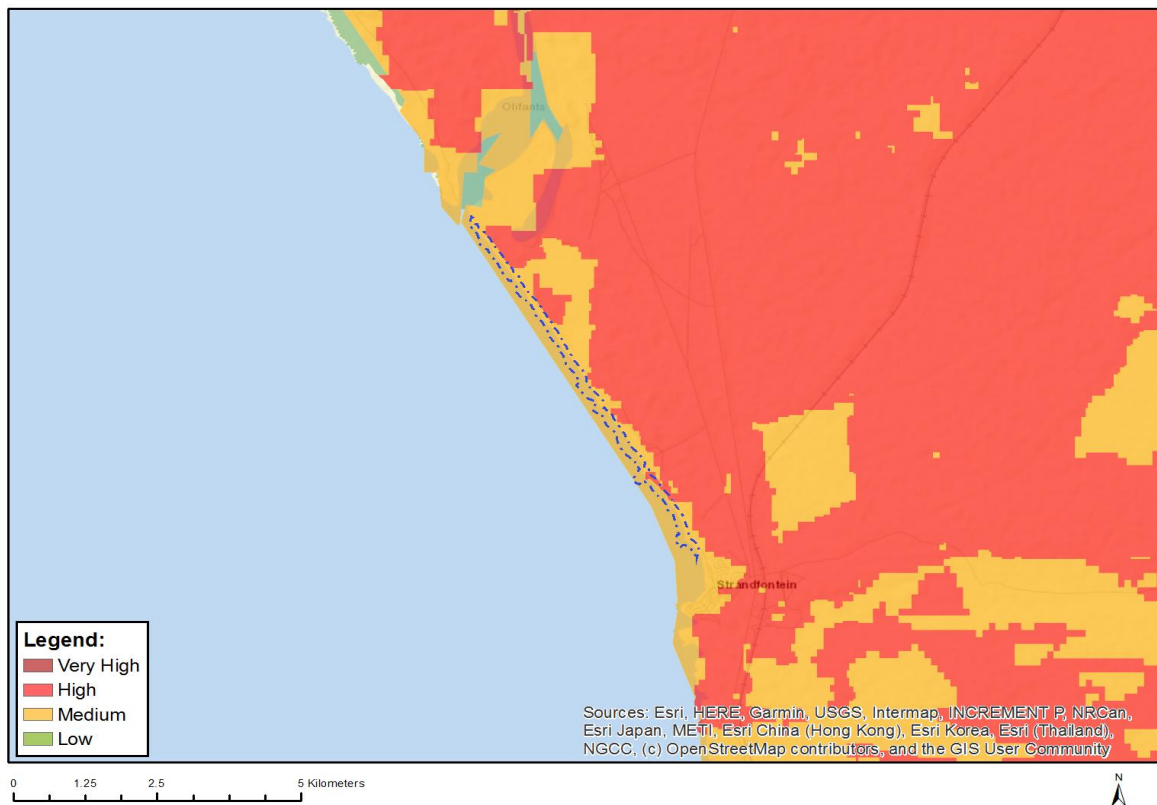


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

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



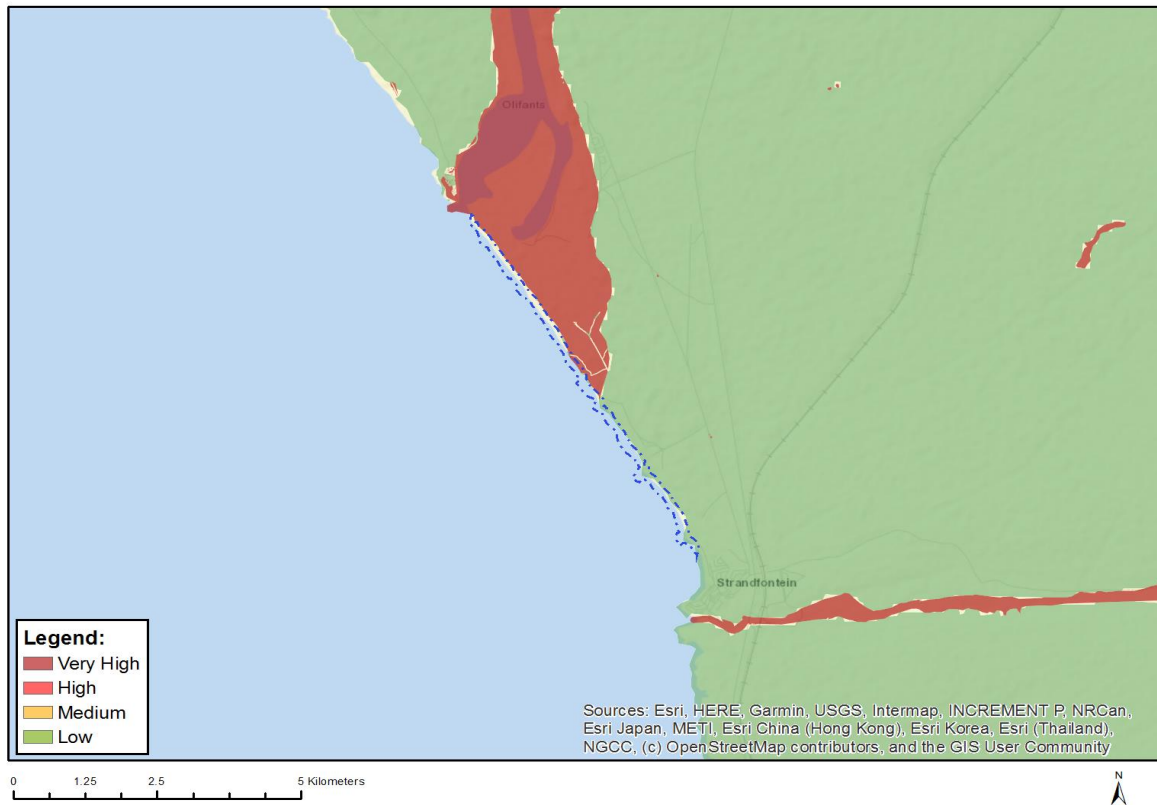
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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Aves-Circus ranivorus
High	Aves-Circus maurus
High	Aves-Neotis ludwigii
Medium	Invertebrate-Brinckiella mauerbergerorum
Medium	Invertebrate-Bullacris obliqua

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

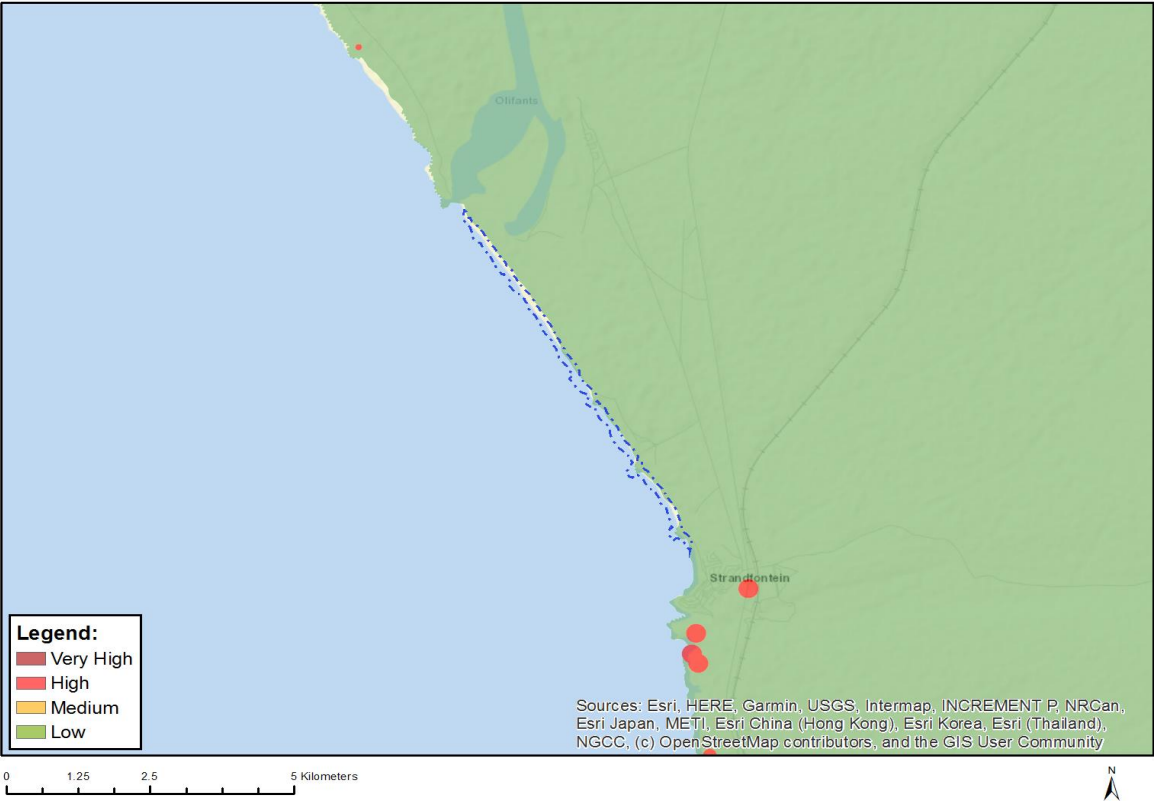


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Aquatic CBAs
Very High	Wetlands and Estuaries

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

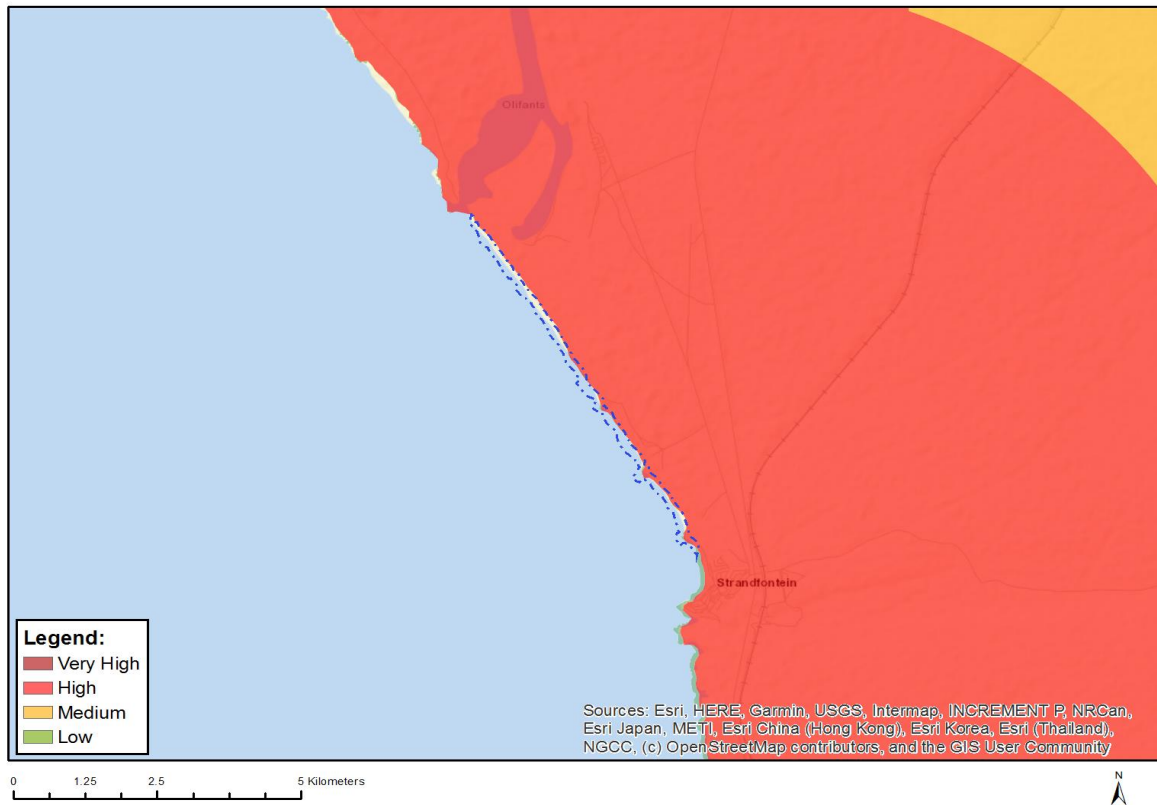


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

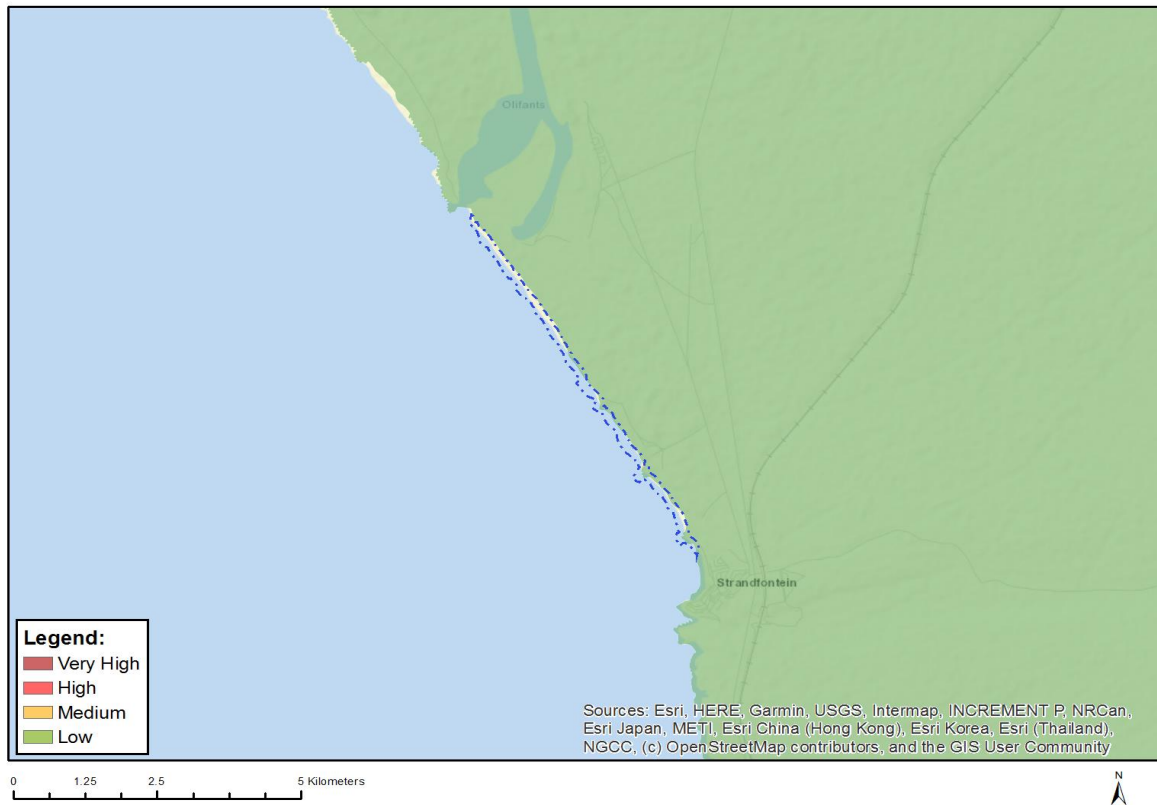


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

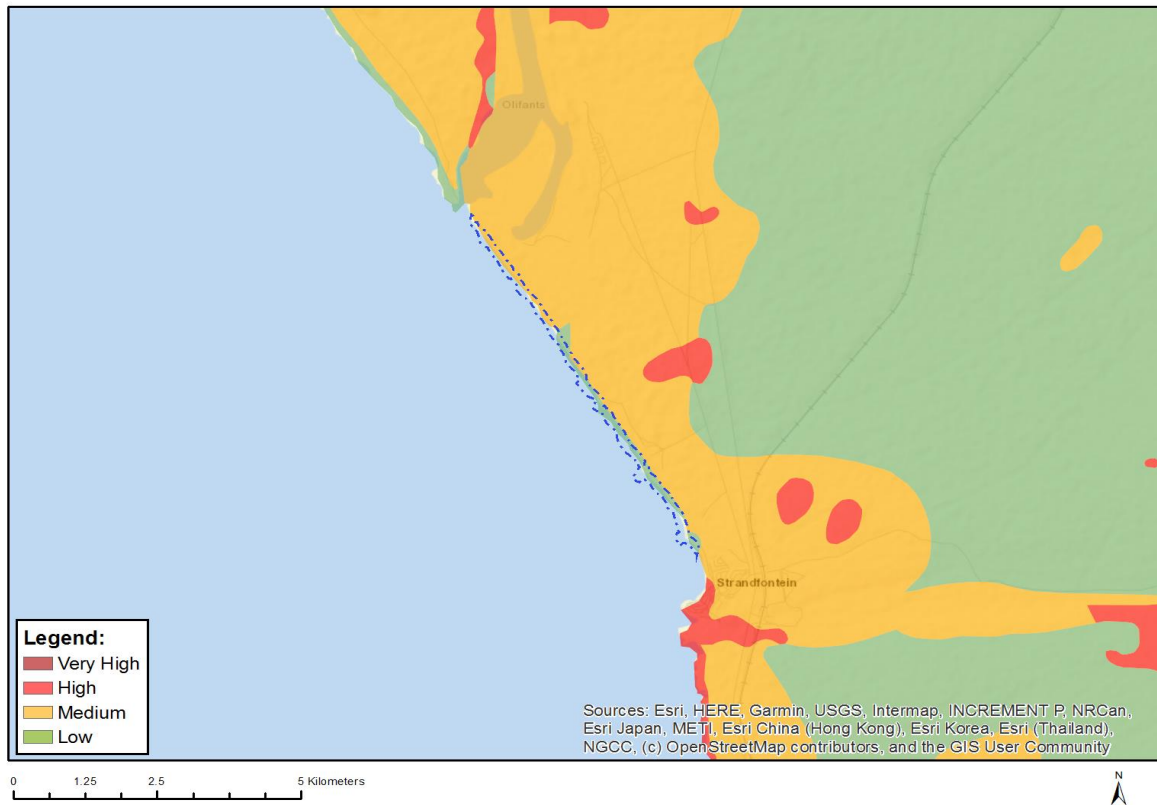


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

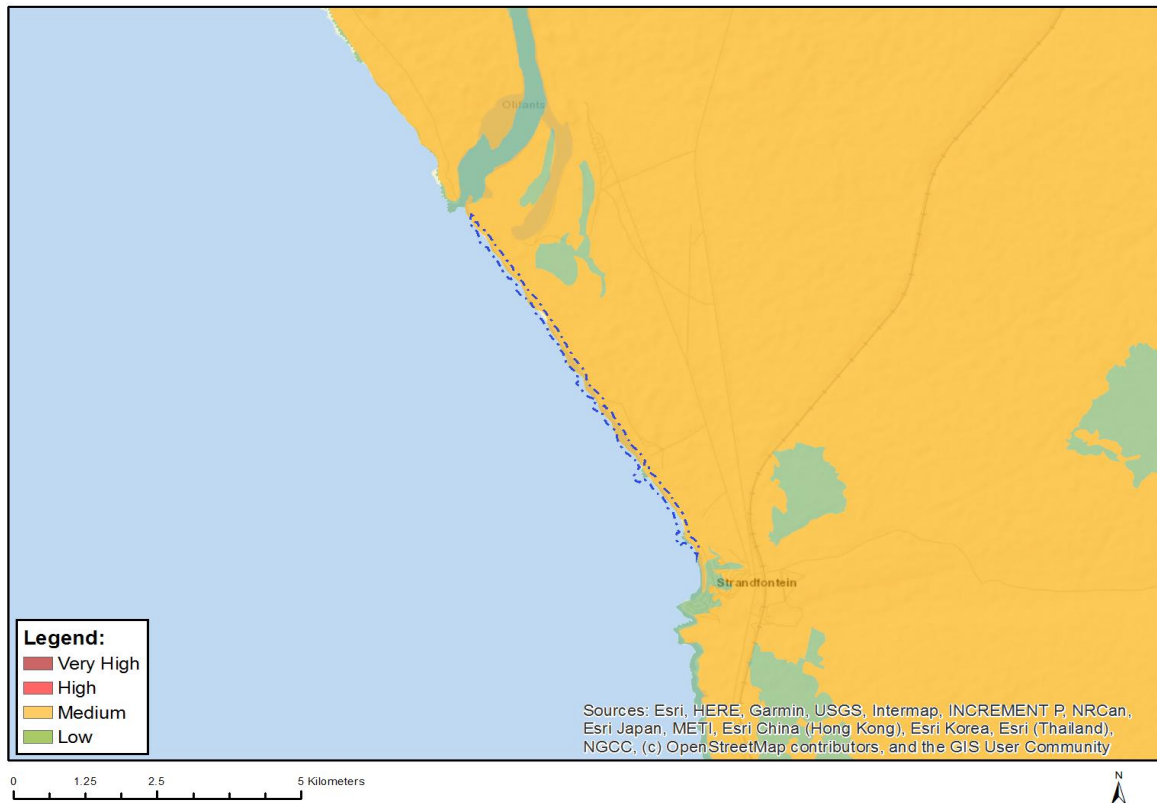


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



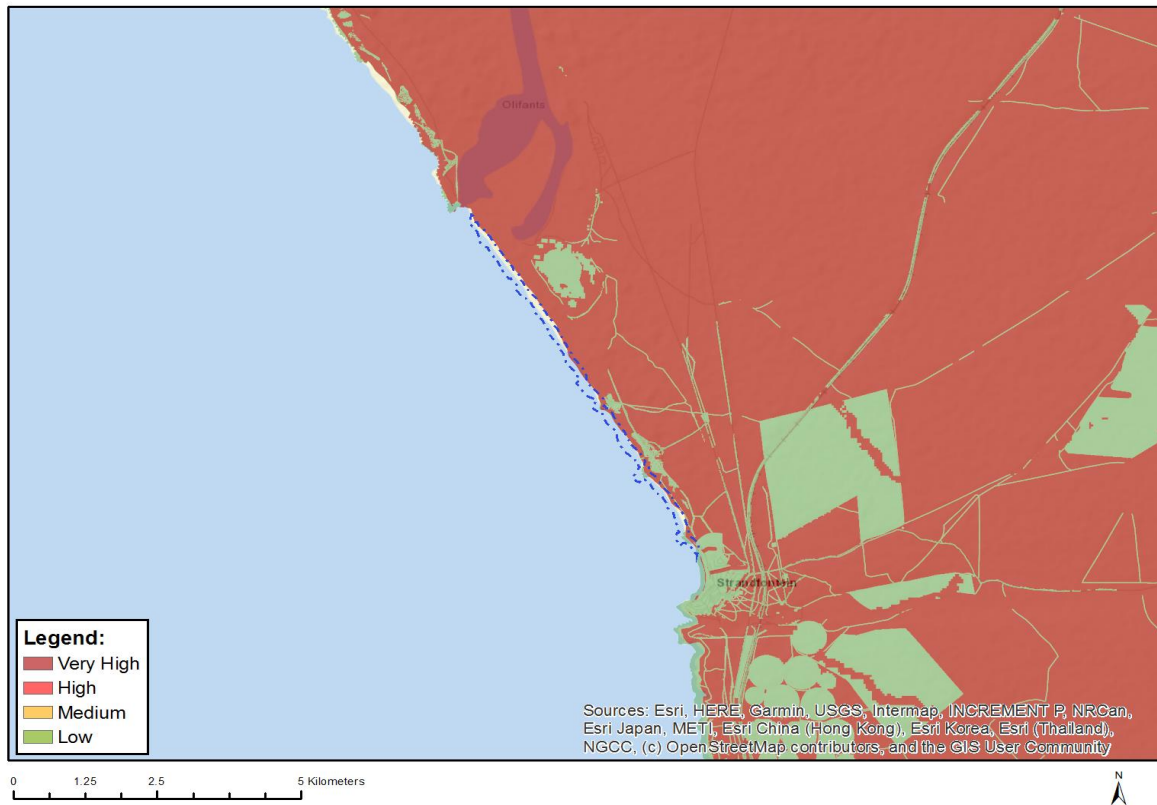
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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Sensitive species 225
Medium	Chaenostoma multiramsum
Medium	Romulea sinispinosensis
Medium	Leucoptera nodosa
Medium	Oncosiphon schlechteri
Medium	Sensitive species 1156
Medium	Aspalathus obtusata
Medium	Helichrysum dunense
Medium	Muraltia obovata
Medium	Zostera capensis

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	Ecological Support Area 2
Very High	Ecological Support Area 1
Very High	Critical Biodiversity Area 1
Very High	Focus Areas for land-based protected areas expansion

Appendix 3 – Newspaper Advert

SKOLE NUUS

Graafwater Spesiale Skool open rekenaarlokaal

Build it

Vredendal - 027 213 2260

DRYWER KODE 10

Vredendal Build It beskik tans oor die bogenoemde pos:

Sleutelverantwoordelikhede sluit in:

- Doeltreffende laai en aflewering van voorraad
- Akkurate hantering van afleweringsoekmentasie
- Professionele kliëntediens
- Effektiewe hantering van voertuie

Minimum vereistes:

- 'n Graad 12 sertifikaat
- Kode 10 lisensie met PDP.
- Kode 14 lisensie sal as sterk aanbeveling dien
- Ten minste 3 jaar ondervinding as drywer
- Sober gewoontes

Verseker dat u aansoek die volgende bevat:

- Volledige CV met kontak besonderhede
- Dekbrief wat u aansoek motiveer
- Salarisverwagting
- Wanneer u beskikbaar sal wees om die pos op te neem
- Ten minste 3 werksreferente wat gekontak mag word

Ons ideale kandidaat is hardwerkend, gedissiplineerd, werk goed in 'n span saam en beskik oor goeie kommunikasie vermoë.

Aansoeke kan gestuur word aan:
finance@vdlbuildit.co.za

Sluitingsdatum: 09 September 2021

Indien u geen terugvoering ontvang, kan aanvaar word dat u aansoek onsuksesvol was.

Berig: Mariaan Smuts
Foto: Verskaf

GRAAFWATER: Graafwater Spesiale Skool het 'n besoek ontvang van die adjunkminister, Hendrietta Bogopane-Zulu van die Departement van Sosiale Ontwikkeling en Angie Maloka van die MTN Foundation wat spesiaal gekom het om die skool se nuwe MTN rekenaarlokaal te open. Die skool se personeel is baie dankbaar vir die groot seëning wat hul te beurt geval het.



Heather van Ster (WKOD), Robert van Rooyen (skoolhoof), Paul Strauss (burge-meester), Hendrietta Bogopane-Zulu (adjunkminister Departement Sosiale Ontwikkeling) en Angie Naloka (MTN Foundation) saam met van die skool se leerders.

Dohne Merino Telersvereniging besoek ALG

Berig: Mariaan Smuts
Foto: Verskaf

CLANWILLIAM: Die Dohne Merino Telersvereniging van Suid-Afrika het verlede kwartaal Augsburg plaas besoek. Dokter Kobus Delport het as gasspreker opgetree en die landbouleerders meer van die ras vertel. Delport is tans die bestuurder van die genootskap. Dit was vir die skool en leerders 'n voorreg om nog 'n vriend in die bedryf te maak. Augsburg het ook vir Koenas van der Westhuizen van Nieuwoud-

ville bedank vir sy jarelange betrokkenheid by die skool se wolskaap-afdeling. Ongelukkig was van die leerders in isolasie tydens die lesing. Augsburg se bemarkingspan het dit goed gedink om die lesing op te neem en beskikbaar te stel aan diegene wat nie die lesing kon bywoon nie. Persone wat belangstel om na die lesing oor die Dohne Merino's te kyk kan dié skakel volg om dit te sien, <https://www.youtube.com/watch?v=vFTyKkKnrW>

Op die foto regs is die leerders wat die lesing saam met doktor Delport, Joubert van der Merwe en Koenas van der Westhuizen bygewoon het.



NOTICE OF THE UPGRADE OF THE APPROVED ENVIRONMENTAL MANAGEMENT PROGRAMME IN TERMS SECTION 12 (S) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2008 (ACT NO. 62 OF 2008) FOR THE APPROVED MINING RIGHTS IN TERMS OF THE MPRDA ACT 28 OF 2002, NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA) (ACT NO 107 OF 1998): IN LINE WITH THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGULATIONS, 2014 AS AMENDED WERE AGAIN AMENDED IN 2021 (GOVERNMENT GAZETTE NO. 44701, GNR 517), NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 AND COASTAL WATERS DISCHARGE PERMIT REGULATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: INTEGRATED COASTAL MANAGEMENT ACT, 2008 (ACT NO. 24 OF 2008).

DMR Reference:

- De Punt- DMR reference number WC 314 MR (Renewal reference number WC 10733 MR)
- Bethel 278 Mining Right - DMR reference number WC 315 MR (Renewal reference number WC 10132 MR)
- Farm 423 & Surf Zone Area Mining Right - DMR reference number WC 47 MR (Renewal reference number WC 10134 MR)
- Hollebakfontein Mining Right - DMR reference number WC 318 MR (Renewal reference number WC 10135 MR)
- Papendorp Mining Right - DMR reference number WC 316 MR (Renewal reference number WC 10136 MR)
- Sea Area 12A Mining Right - DMR reference number WC 3271 MR (Renewal reference number WC 10130 MR)
- Sea Area 13A Mining Right - DMR reference number WC 320 MR (Renewal reference number WC 10137 MR)
- Strykloof Mining Right - DMR reference number WC 317 MR (Renewal reference number WC 10137 MR)
- Weskus Mining Right - DMR reference number WC 319 MR (Renewal reference number WC 10138 MR)
- DMR reference number WC 112 MR (Renewal reference number WC 10066MR)

This notice to all interested and affected parties is published in terms of the Mineral and Petroleum Resources Development Act (Act 28 of 2002), National Environmental Management Act (Act No 107 of 1998) as amended, National Environmental Management Waste Act, 2008 and National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008), that an integrated Scoping & Environmental Impact Assessment (S&EIR) process will be conducted for the upgrade of the approved Environmental Management Programme for Moonstone Diamonds Marketing (Pty) Ltd diamond, Diamond (General), Diamond (Alluvial), Diamond (In Kimberlite), Pebble Stones mining activities for all mining rights on The Beach, Surf Zones and Sea Concessions in the magisterial district of Vanrhynsdorp, Western Cape Region. The existing rights are surrounded by farmlands with the nearest Residential areas being situated at Koekenaap and Lutzville, 23 km and 30 km inland, respectively.

Integrated Scoping Report availability: The draft integrated scoping report will be available for review for at least 30 days from the 30th of August 2021 to the 29th of September 2021; Reports will be emailed to registered interested and affected parties and upon request, hard copies will be available at: **Van Rhynsdorp municipality and library, Vredendal Library, Ebenezer Library, Koekenaap Community hall, Cederberg municipal office, Papendorp Community Hall, Strandfontein Information Centre, Doring Municipality office and Lutzville Library**

In order to participate in the process and/or provide comments and or to register as an Interested and Affected Party (I & AP) pertaining to the above-proposed activity, you are invited to contact us quoting the reference number within 30 days of this notice ending on the 29th of September 2021 via the following methods: moses@archeanresources.com/roman@archeanresources.com cc.archeanresources@outlook.com or alternatively On Tel: (+27) 67 103 2562 (+27) 82 9701513 and Fax: (+27) 86 695 5990

KENNISGEWING VAN DIE OPGADERING VAN DIE GOEDGEKEURDE OMGEWINGSBESTUURPROGRAM INGEVOLGE ARTIKEL 12 (S) VAN DIE NASIONALE WET OP OMGEWINGSBESTUUR, 2008, WET NR. 62 VAN 2008, VIR DIE GOEDGEKEURDE MYNREGTE INGEVOLGE VAN DIE WET OP DIE ONTWIKKELING VAN MINERALE EN PETROLEUMHULPBRONNE (WOMPH OF "MPRDA"), WET 28 VAN 2002, DIE NASIONALE WET OP OMGEWINGSBESTUUR (NWOB OF "NEMA"), WET NR. 107 VAN 1998: IN LYN MET DIE REGULASIES OP OMGEWINGSIMPAKBEPALING (OIB), 2014, SOOS GEWYSIG EN WEER GEWYSIG IN 2021 (STAATSKOERANT NR. 44701, GNR 517), DIE NASIONALE WET OP OMGEWINGSBESTUUR: AFVAL, 2008, WET 59 VAN 2008, EN DIE KUSWATERAFVOERPERMITREGULASIES INGEVOLGE DIE NASIONAL WET OP OMGEWINGSBESTUUR: GEÏNTEGREERDE KUSBESTUUR, 2008, WET NR. 24 VAN 2008.

DMH Verwysing:

- De Punt Mynreg - DMH verwysingsnommer WC 314 MR (Verwysingsnommer vir hernuwing WC 10733 MR)
- Bethel 278 Mynreg - DMH verwysingsnommer WC 315 MR (Verwysingsnommer vir hernuwing WC 10132 MR)
- Plaas 423 & Brandersone Mynreg - DMH verwysingsnommer WC 47 MR (Verwysingsnommer vir hernuwing WC 10134 MR)
- Hollebakfontein Mynreg - DMH verwysingsnommer WC 318 MR (Verwysingsnommer vir hernuwing WC 10135 MR)
- Papendorp Mynreg - DMH verwysingsnommer WC 316 MR (Verwysingsnommer vir hernuwing WC 10136 MR)
- Seegebied 12A Mynreg - DMH verwysingsnommer WC 321 MR (Verwysingsnommer vir hernuwing WC 10130 MR)
- Seegebied 13A Mynreg - DMH verwysingsnommer WC 320 MR (Verwysingsnommer vir hernuwing WC 10137 MR)
- Strykloof Mynreg - DMH verwysingsnommer WC 317 MR (Verwysingsnommer vir hernuwing WC 10137 MR)
- Weskus Mynreg - DMH verwysingsnommer WC 319 MR (Verwysingsnommer vir hernuwing WC 10138 MR)
- DMH verwysingsnommer WC 112 MR (Verwysingsnommer vir hernuwing WC 10066MR)

Hierdie kennisgewing aan alle belangstellende en geaffekteerde partye word gepubliseer ingevolge die Wet op Minerale en Petroleumhulpbronne, Wet Nr. 28 van 2002, die Wet op Nasionale Omgewingsbestuur, Wet Nr. 107 van 1998, soos gewysig, die Nasionale Wet op Omgewingsbestuur: Afval, 2008, Wet 59 van 2008, en die Nasionale Wet op Omgewingsbestuur: Geïntegreerde Kusbestuur, 2008, Wet Nr. 24 van 2008, dat 'n proses vir 'n geïntegreerde Omvangsbepaling- en Omgewingsimpakverslag (OB & OIV) uitgevoer sal word vir die opgradering van die goedgekeurde Omgewingsbestuurprogram vir Moonstone Diamonds Marketing (Edms) Bpk vir die mynaktiwiteite van diamant, Diamant (Algemeen), Diamant (Spoel), Diamant (in Kimberlie), Spoelklip vir alle mynregte op die Strand, in Brandersone - en Seekonsessies in die landdroststrik van Vanrhynsdorp, in die Wes-Kaapstreek. Die bestaande regte is omring deur landerye met die naaste woongebiede te Koekenaap en Lutzville, onderskeidelik 23 km en 30 km die binne land in.

Beskikbaarheid van die geïntegreerde Omvangsbepalingsverslag: Die geïntegreerde omvangsbepalingskonsepverslag sal beskikbaar wees vir besigtiging vir ten minste 30 dae vanaf 30 Augustus 2021 tot 29 September 2021. Verslae sal per e-pos gestuur word aan geregistreerde belangstellende en geaffekteerde partye en harde kopieë sal op versoek beskikbaar wees by: **Van Rhynsdorp Munisipaliteit en Biblioteek, Vredendal Biblioteek, Ebenezer Biblioteek, Sederberg Munisipale Kantoor, Papendorp Gemeenskapsaal, Strandfontein Inligtingsentrum, Koekenaap Munisipale Kantoor, Doringbaai Munisipale Kantoor en Lutzville Biblioteek.**

Om deel te neem aan die proses en/of om kommentaar te lewer en/of om te registreer as Belangstellende en Geaffekteerde Party (B & GP) met betrekking tot die voorgestelde aktiwiteite soos hierbo uiteengesit, word u genooi om ons te kontak deur die verwysingsnommer te noem binne 30 dae vanaf hierdie kennisgewing met eindiging op 29 September 2021 op die volgende maniere: Moses@archeanresources.com of roman@archeanresources.com of cc.archeanresources@outlook.com of andersins per tel: (+27) 67 103 2562 of (+27) 82 9701513 of per faks: (+27) 86 695 5990

Appendix 4 – Afrikaans Background information document



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28 Augustus 2021

AGTERGROND INLIGTINGSDOKUMENT VIR DIE OPGRADERING VAN DIE GOEDGEKEURDE OMGEWINGSBESTUURPROGRAM INGEVOLGE ARTIKEL 12 (S) VAN DIE NASIONALE WET OP OMGEWINGSBESTUUR, WET NR. 62 VAN 2008, SOOS GEWYSIG, TEN OPSIGTE VAN DIAMANT MYNBOU AKTIWITEITE VIR ALLE MYNREGTE OP DIE STRAND, BRANDERSONE EN SEEKONSESSIES IN DIE LANDDROSDISTRIK VAN VANRHYNSDORP: WES-KAAPSTREEK.

AANSOEKER: MOONSTONE DIAMOND MARKETING (EDMS) BPK

KENNISGEWING VAN DIE OPGRADERING VAN DIE GOEDGEKEURDE OMGEWINGSBESTUURPROGRAM INGEVOLGE ARTIKEL 12 (S) VAN DIE NASIONALE WET OP OMGEWINGSBESTUUR, WET NR. 62 VAN 2008, VIR DIE GOEDGEKEURDE MYNREGTE INGEVOLGE DIE WET OP DIE ONTWIKKELING VAN MINERALE EN PETROLEUMHULPBRONNE (WOMPH OF "MPRDA"), WET 28 VAN 2002, DIE NASIONALE WET OP OMGEWINGSBESTUUR (NWOB OF "NEMA"), WET NR. 107 VAN 1998: IN LYN MET DIE REGULASIES OP OMGEWINGSIMPAKBEPALING (OIB), 2014, SOOS GEWYSIG EN WEER GEWYSIG IN 2021 (STAATSKOERANT NR. 44701, GNR 517), DIE NASIONALE WET OP OMGEWINGSBESTUUR: AFVAL, WET 59 VAN 2008, EN DIE KUSWATER-AFVOERPERMITREGULASIES INGEVOLGE DIE NASIONALE WET OP OMGEWINGSBESTUUR: GEÏNTEGREERDE KUSBESTUUR, WET NR. 24 VAN 2008.

DMH Verwysings:

- I. De Punt- DMH verwysingsnommer WC 314 MR (Verwysingsnommer vir hernuwing WC 10733 MR)
- II. Bethel 278 Mynreg – DMH verwysingsnommer WC 315 MR (Verwysingsnommer vir hernuwing WC 10132 MR)
- III. Plaas 423 & Brandersone Mynreg – DMH verwysingsnommer WC 47 MR (Verwysingsnommer vir hernuwing WC 10134 MR)
- IV. Hollebaksfontein Mynreg – DMH verwysingsnommer WC 318 MR (Verwysingsnommer vir hernuwing WC 10135 MR)
- V. Papendorp Mynreg – DMH verwysingsnommer WC 316 MR (Verwysingsnommer vir hernuwing WC 10136 MR)
- VI. Seegebied 12A Mynreg – DMH verwysingsnommer WC 321 MR (Verwysingsnommer vir hernuwing WC 10130 MR)
- VII. Seegebied 13A Mynreg – DMH verwysingsnommer WC 320 MR (Verwysingsnommer vir hernuwing WC 10137 MR)
- VIII. Strykloof Mynreg – DMH verwysingsnommer WC 317 MR (Verwysingsnommer vir hernuwing WC 10137 MR)
- IX. Weskus Mynreg – DMH verwysingsnommer WC 319 MR (Verwysingsnommer vir hernuwing WC 10138 MR)
- X. Seegebied 11A Mynreg -DMH verwysingsnommer WC 112 MR (Verwysingsnommer vir hernuwing WC 10066MR)

1 INLEIDING

Hierdie kennisgewing aan alle belangstellende en geaffekteerde partye word gepubliseer ingevolge die Wet op Minerale en Petroleumhulpbronne, Wet Nr. 28 van 2002, die Wet op Nasionale Omgewingsbestuur, Wet Nr. 107 van 1998, soos gewysig, die Nasionale Wet op Omgewingsbestuur: Afval, Wet 59 van 2008, en die Nasionale Wet op Omgewingsbestuur: Geïntegreerde Kusbestuur, Wet Nr. 24 van 2008, dat 'n proses vir 'n geïntegreerde Omvangsbepaling- en Omgewingsimpakverslag (OB & OIV) uitgevoer sal word vir die opgradering van die goedgekeurde Omgewingsbestuurprogram vir Moonstone Diamond Marketing (Edms) Bpk vir alle mynregte vir die mynaktiwiteite van diamant, Diamant (Algemeen), Diamant (Spoel), Diamant (in Kimberliet), Spoelklip op die Strand, in BrandersoneBrandersone en Seekonsessies in die landdrosdistrik van Vanrhynsdorp, in die Wes-Kaapstreek. Die bestaande regte is omring deur plase met die naaste woongebiede te Koekenaap en Lutzville, onderskeidelik 23 km en 30 km die binneland in.

U is geïdentifiseer as 'n belangstellende en geaffekteerde (B&GP of "I&AP") in die projek en die doel van hierdie brief is daarom:

- Om u in te lig oor die verwickelinge.
- Om u 'n kans te gee om enige vraag of beswaar wat u mag hê oor die munbouaktiwiteite te opper.



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- U vrae en besware in te sluit in die impakbepalingstudie wat gedoen word as deel van die Omgewingsbepalings- en Omgewingsimpakverslag (OB & OIV). Die OB & OIV is 'n wetlike vereiste vir Opgradering van enige Goedgekeurde Omgewingsbestuurprogram en moet deur die Departement van Minerale Hulpbronne en Energie (DMHE of "DMRE") goedgekeur word.

2 PROJEKAGTERGROND

Die 13A Konsessie strek langs 'n ~15 km strook van die kuslyn suid van die Olifantsriviermond. Daar is brandersone konsessies en admiraliteitstrookgebiede. Die kuslyn val binne die Matzikama Landdrosdistrik en word bestuur vanaf Vredendal aan die Olifantsrivier. Die naaste vissershawens is geleë by Doringbaai en Lambertsbaai, onderskeidelik ~14 km en ~50 km suid van die riviermond.

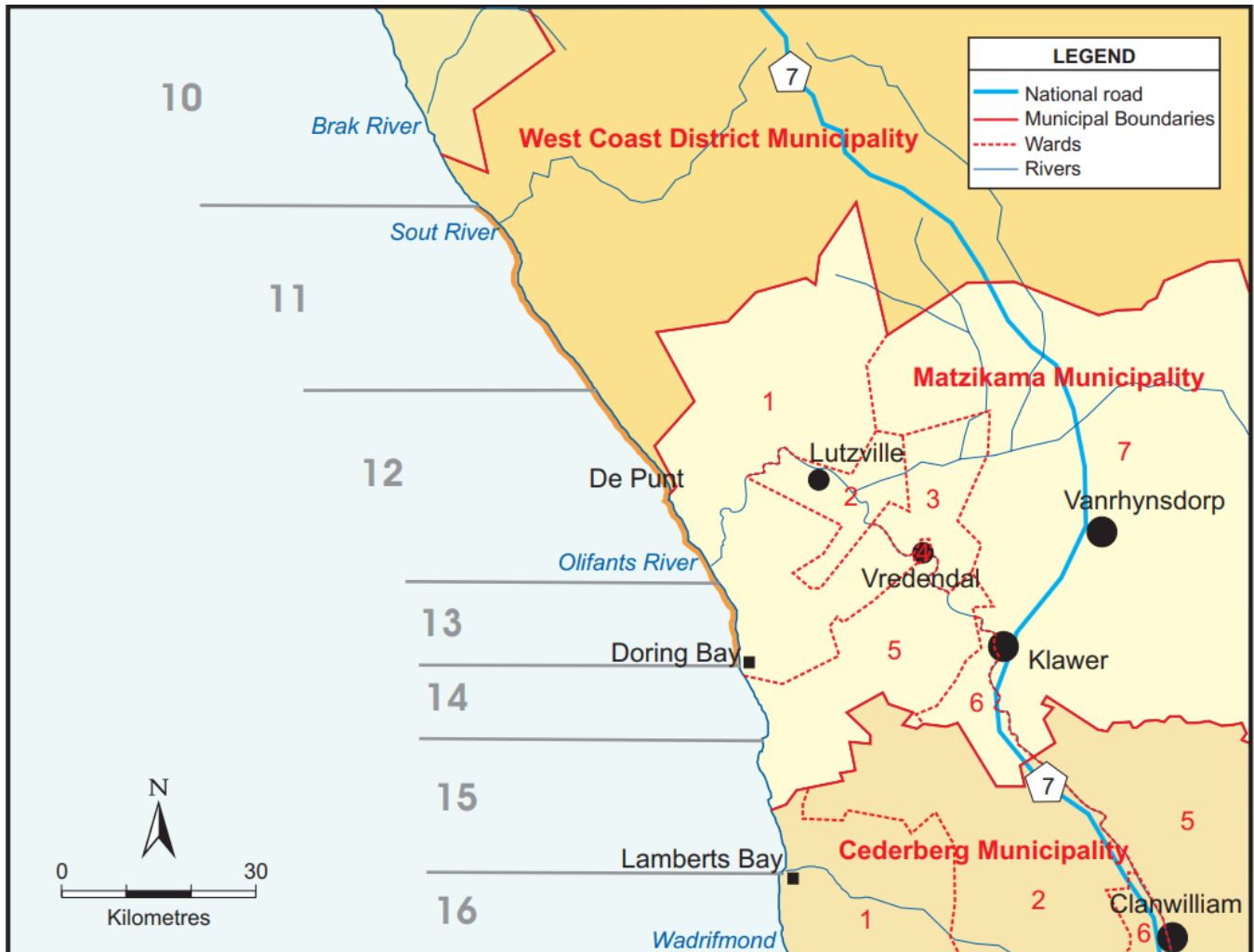
Die 120 ha De Punt verwerkings- en produksieaanleg wat met die konsessies geassosieer word, is op ~1600 hektaar privaat grond wat deur Moonstone besit word. Buiten 'n gedeelte van ~50-hektaar by die Olifantsriviermond, strek die Moonstone eiendom tot by die Olifantsrivier. Die eiendom is omring deur plase met die naaste woongebiede te Koekenaap en Lutzville, onderskeidelik 23 km en 30 km die binneland in.

Konsessies 11A, 12A en 13A beslaan 'n kusstrook vanaf 31.49 m seewaarts van die laagwatermerk (LWM) tot ongeveer 1000 m seewaarts van die hoogwatermerk (HWM) noord van Doringbaai. Die liggings van hierdie konsessiegebiede in verhouding met kusbakens en grense met naburige plase is die volgende.

Konsessie 11A strek vanaf Tietiesbaai in die noorde tot ongeveer 2 km suid van Koubaai. Konsessie 12A strek vanaf 2 km suid van Koubaai tot ~1 km suid van die Olifantsriviermond. Konsessie 13A strek langs 'n ~15 km strook van die kuslyn vanaf die Olifantsriviermond suid van Doringbaai. Die gepaardgaande brandersone- en admiraliteitstrookkonsessies Weskus, Bethel, Strykloof, De Punt, Papendorp en Hollebakstrandfontein beslaan 'n smal kusstrook van ~70m tot ~300m breed vanaf 31.49 m seewaarts van die LWM tot by die rand van die aangrensende plaasgrense, vanaf ~1.5 km noord van Jakkalshok tot by Doringbaai. Alle mynwerkzaamhede wat deur Moonstone op die bogenoemde konsessies bedryf word, vind dus slegs onder die HWG plaas.

3 PROJEKLIGGING

Die gebied wat deur hierdie mynwerkprogram gedek word, val onder die Matzikama Munisipaliteit. Nabygeleë nedersettings sluit in Doringbaai, Strandfontein, Vredendal, Lutzville en Koekenaap. Die meeste dorpe in hierdie streek word bedien met takke van die N7 (R362/R363 na Papendorp en Strandfontein via Vredendal of Lutzville en die R364 na Doringbaai), en 'n geproklameerde gruispad loop parallel aan die kus en is ongeveer 1 km weg van die kuslyn. Aangesien die hele kusstrook in privaat besit is en vir landboudoeleindes en kampering benut word, word die gebied gekenmerk deur 'n netwerk van informele paaie en roetes.



Figuur 1: Kaart wat die ligging aandui van die konsessiegebiede 11(a), 12 (a), 13(a) en gepaardgaande brandersone- en admiraliteitstrookkonsessies (in oranje kleur) in verhouding met plaaslike munisipaliteite en wyke.

4 BASIESE OORSIG VAN DIE MYNMETODE

Diamantdraende gruipe langs die Suid-Afrikaanse Weskus is nie eweredig versprei op die seebodem nie. Dit het onderbroke distribusie-patrone wat dramaties kan varieer, horisontaal sowel as vertikaal. Afsettings neig om gekonsentreer te wees op en direk bokant rotsbodems in sloepe en kolkgate. Diamantdraende gruipe kom dus in werklikheid slegs in 'n klein proporsie van die beskikbare konsessiegebied voor. Die gruipe is gewoonlik bedek met bolaag wat eers weggewerk moet word om toegang te kry tot die ertsafsettings. Omdat dit moeilik is om geofisiese ondersoeke en monsterneming te doen in die brandersone en vlakwateromgewings, is dit nie moontlik om akkuraat te bepaal waar ontginbare afsettings gekonsentreer is nie, sodat strand- en vlakwatermynbou op sigself die prospekteerinstrumente word. Om die sukses van die mynbou te verhoog, word gesofistikeerde opsporings- en posisioneringsisteme gebruik om aktiwiteite te fokus in meer produktiewe gebiede. Nietemin bly vlakwater diamantontginning opportunisties van aard, aangesien dit afhanklik is van weersomstandighede en seetoestande.

Hierdie faktore beperk in effek die periodes waarin ontginning kan plaasvind. Vyf dae van mynwerk per maand met duikerbeheerde toestelle word as 'n goeie gemiddeld gereken vir die Suid-Afrikaanse Weskus, alhoewel langer individuele



periodes haalbaar mag wees, veral in die somermaande. Seetoestande bepaal ook waar veilige operasies uitgevoer kan word omdat dit dikwels in gebiede met 'n mate van beskutting teen branders moet wees. See toestande en sigbaarheid onder die water kan grootliks varieer oor klein afstand en tydskele wat dit nodig maak om geskikte myngebiede te kies op spesifieke dae, eerder as om 'n konsessie sistematies van kant tot kant te bewerk. 'n Gefaseerde benadering tot die mynwerk in die brandersone en (a)-konsessies is dus nie moontlik nie, wat lei tot die algemene wanopvatting dat vlakwatermynbou op 'n ad hoc manier gedoen word en die hele konsessiegebied beïnvloed.

Die konsessiegebiede onder die jurisdiksie van Moonstone word ontgin deur kleiner kontrakteurs wat spesifieke gebiede namens die maatskappy bewerk.

Die mynboumetodes wat gebruik word om diamantdraende erts te ontgin in Konsessies 11A, 12A, 13A en die gepaardgaande brandersone en admiraliteitstroke word ingedeel volgens hul operasiele areas in die konsessiegebiede. Die vier metodes wat gebruik word om diamantgruise te ontgin word hieronder in detail beskryf.

4.1 Strandmynbou

Strandmynbou aktiwiteite vind tipies tussen die hoogwatermerk (HWM) en laagwatermerk (LWM) plaas gedurende spring-laaggetye op die sanderige en gemengde (rots en sand) strande wat deur die gety blootgelê is. Die teikenstrande vir prospektering en ontginning deur kontrakteurs is in die Weskus-brandersonekonsessie aangrensend aan 12A, en ook die Doringbaai-brandersone en -admiraliteitstrook oorkant 13A. Die kuslyn in die Geelwal-gebied word gekenmerk deur strande met medium tot fyn korrels en met 'n medium helling. In die meeste van die teikengebiede word die strande by die HWM begrens met styl klei- en sandsteenhangs. Mineralisasie in vlakwater- en brandersone gebiede is oor die algemeen wisselvallig. Die gebrek aan geskikte tegnologie om monsterneming effektief in hierdie gebiede te doen, verhoed verder definitiewe uitwysing van ertsreserwes. Die gevolg is dat die mynbou wat deur Moonstone se kontrakteurs gedoen word, nader is aan prospekterbedrywighede as aan volskaalse ontginning per se. Eers wanneer 'n rotsbodemformasie wat 'n winsgewende reserwe oplewer geïdentifiseer is, word operasies op 'n groter, meer permanente skaal bedryf in opeenvolgende mynblokke wat die formasie volg. Die modus operandi en skaal van die aktiwiteite van strandmynbou hang dus grootliks af van of die kontrakteur prospekter of ontgin en van die diepte van die bolaag wat verwyder moet word voor die teikengruise bereik kan word. In die Weskus-konsessie bestaan die bolaag hoofsaaklik uit strandsand wat dikwels ingebedde rotsblokke bevat. Teikenstrande in Strykloof en by Hollebaksfontein oorkant konsessie 13A bestaan, daarenteen, hoofsaaklik uit spoelklip en rotsblokke. Teikens vir ontginning is gruisbedde onder die strandsand, gruis bo-op die rotsbodem asook gruis in sloepe en kolkgate in die rotsbodem. Afhangende van die graad van sandafsetting wanneer ontginning plaasvind, mag die dikte van die bolaag wissel tussen <1 m tot soveel as 3 m.

Swaar masjinerie soos laaggrawe, stootskrapers of voorlaaiers word gebruik om die gruis vinnig bloot te lê gedurende laaggetye. Die bolaag word verskuif tot net bokant die laaggetyvlak om te verhoed dat die teikengruise weer vinnig bedek word. Die onderliggende gruis word dan ontgin deur een van drie basiese benaderings.

a. Die verwydering van sanderige bolae of rotsblokke veroorsaak 'n uitgraving. Om die beskikbare tyd vir gruisontginning te verleng in die uitgraving gedurende laagwaterperiodes word klein beskermende seewalle gebou met die bolaag om te dien as beskutting vir duikers en toerusting teen branders en die stygende gety. Die uitgraving sal steeds, ten spyte van die beskutting, opvul met water. Die teikengruise wat onder water is, word ontgin deur twee 20 cm-suigpype wat deur duikers beheer word en verbind word na 'n trekker wat aangepas is om 'n sentripetale pomp en roterende klassifiseerder te dryf. Die klassifiseerder, wat in die tussengety-gebied geplaas is, sorteer die gepompte materiaal en onttrek die grootte-fraksie wat van belang is. Die diamantdraende gruis word in sakke geplaas en op 'n daaglikse basis na die sentrale De Punt-verwerkingsaanleg vir diamantekstraksie geneem. Die groot oorskotfraksie (+25 mm) word rondom die klassifiseerder



opgehoop en die fyner oorskot (-2 mm) gaan direk terug in die see as sedimentslyk. Hierdie fyn oorskot kan troebel pluime naby die kus veroorsaak, maar dit verdwyn gewoonlik vinnig weens die brander aksie. Die hope groot oorskot wat ophoop rondom die klassifiseerder word versprei gedurende hooggety, of dit word meganies herversprei oor die strand aan die einde van die mynwerkzaamhede.

b. Alternatiewelik word die gruis uit die myngebied gehaal deur laaigrawe en op vragmotors gelaai. Die vragmotors vervoer die gruis langs die strand en deponeer dit in 'n tweede sentraal geleë uitgraving wat teen die see beskut word deur 'n groot seewal. Alhoewel hierdie wal ook gebou is van plaaslik verkrygbare strandsande word die basis van die wal vir groter stabiliteit en veerkragtigheid versterk met klippe en rotsblokke wat uit die myngebied gegrawe is. Dit maak 'n klein afsluitdam wat 'n beskutte vlakwateromgewing voorsien vir verlengde gruisontginning deur duikers. Soos in die vorige operasie word myngruis gelewer aan 'n klassifiseerder wat onder die HWM geplaas is binne-in die beskutte gebied wat deur die seewal afgesluit word. Die grootter oorskot word opgehoop rondom die klassifiseerder en die fyner oorskot gaan terug na die afsluitdam. Die seewal wat vir so 'n operasie benodig word, is uitgebreid en moet noodwendig relatief ver in op die strand geleë wees (ongeveer by die half-getymerk) sodat die verste dele van die wal neig om op die basis van die hange inbreuk te maak. Omdat die hange langs die kuslyn as 'n sensitiewe gebied geïdentifiseer is, is daar opgehou met hierdie tipe grootskaalse afsluitdam-ontginning.

c. Die meer onlangse strandmynoperasie wat op 'n groter skaal bedryf word, behels die plasing van 'n roostersif ("grizzly") en 'n klassifiseerder in 'n sentrale posisie op die strand onder die HWM. Die toerusting word opgelig op 'n platform wat gebou is van plaaslik beskikbare materiaal en word beskut deur 'n klein seewal. Gruis word uitgehaal vanuit die myngebied deur laaigrawe en gelaai op vragmotors. Die myngebied word beskut deur 'n seewal wat met klippe gestabiliseer word. Die vragmotors neem die gruis na die sentrale verwerkingsgebied waar stapels gemaak word voordat dit deur 'n laaigraaf of voorlaaiër in die klassifiseerder gevoer word. Grootter oorskot word opgehoop rondom die klassifiseerder en die fyner oorskot word na die see oor die strand teruggeneem. Alternatiewelik word uitskot gedeponeer in 'n bak wat in die strand ingesak word.

4.2 Kusebaseerde werksaamhede

Vir die doel van see-diamantmynbou word die brandersone gedefinieer as die gebied wat strek vanaf die hoogwatermerk tot 31.49 m (100 Kaapse voet) ná die laagwatermerk. Ontginning in hierdie gebied en tot op 'n diepte van 10 m in die A-konsessies is primêr kusebaseer. Die werksaamhede is beperk tot klein baaie en word tipies uitgevoer deur middel van die kleiner suigtoerusting wat deur duikers beheer word soos hierbo beskryf is. Die grootter oorskotfraksie (+25 mm) word opgehoop rondom die klassifiseerder en die fyner oorskot (-2 mm) gaan terug na die see oor die tussengetygebied as sedimentslyk. Daar word gesorg dat die grootter oorskot onder die HWM gedeponeer word om natuurlike herverspreiding deur brander-aksie te laat plaasvind. 'n Kusebaseerde operasie bestaan tipies uit 2-4 duikers, hulle assistente en 'n trekkeeraangedrewe klassifiseerder. Die duikers gebruik lug wat vanaf die oppervlak voorsien word en stuur die mondstuk van die suigpype in die gruisafsettings in wat dan opgesuig word en direk na die klassifiseerder gevoer word (Plaat 4_Aanhegsel 1). Teikenertse is gruis wat altyd onder water is en wat in sloepe en holtes lê. Om dit te bereik, mag duikers nodig hê om groot klippe en rotsblokke te verwyder. In gebiede waar die bamboes (*Laminaria pallida*) dig groei, mag dit nodig wees om dit terug te sny om die beweging van die suigpype en lugpype te vergemaklik om te probeer om die diamantdraende afsettings in die brandersone en verder te bereik. Daar is op die oomblik 4 kuseenhede werksaam in die brandersone aangrensend aan konsessies 11A en 12A, alhoewel die aantal kontrakteurs gedurig verander.

Myntempo's vir duiker/trekkeersisteme is ongeveer 0.25 m³ gruis wat per uur aan die klassifiseerder gelewer word. Weens die beperkings van die siklus van getye en ook weersomstandighede en seetoestande word die aanlegte vir minder as 6 uur per dag bedryf vir 'n gemiddeld van 5-6 dae per maand. As gevolg hiervan verwerk elke duiker/trekker-eenheid ongeveer 100 m³ gruis per jaar. Die algehele omvang van die konsessies wat gemyn word, is laag en word geskat as <0.03% per jaar van die beskikbare A-konsessiegebied. Om toegang te verkry tot die see probeer die kontrakteurs om die toerusting so na as moontlik



aan die see te kry in die gebied bokant die hoogste gety en die tussengety. Die netwerk van bestaande paaie is meer as voldoende om die kontrakteurs toegang te bied tot hul mynsterreine en geen nuwe paaie hoef aangelê te word nie. Anders as in die geval van strandmynwerk, sal dit nie nodig wees om hierdie paaie op te gradeer nie omdat die voertuie en toerusting wat vir kusgebaseerde werksaamhede gebruik word ligter is as dié wat vir strandmynwerk gebruik word. Die paaie en roetes wat gereeld deur die kontrakteurs gebruik word, word nietemin deur Moonstone onderhou. Die topografie van die baaie wat geteiken word deur die kuskontrakteurs maak dit moontlik om die klassifiseerders en pype bo die HWM op die terrein te stoor. Omdat dit te moeisam is om die klassifiseerders en suigpype elke keer wat die pompwerksaamhede vir kort periodes onderbreek word van die terrein af te verwyder, omseil dié stoormetode die probleem van oormatige gebruik van roetes. Die stoorgebiede vir die toerusting is gewoonlik beperk tot 'n oppervlakte van <5 m² en die skade aan strandveldplantegroei is dus beperk.

In sommige gebiede (bv., Die Toring, hange tussen Middelstrand en Robeiland) waar styl hange toegang tot die kus per pad onmoontlik maak, is smal kabelbane aangelê om toerusting en gruis na en van die mynsterrein te vervoer. Personeel gebruik smal paaie om die terrein te bereik. By sommige terreine was dit ook nodig om strukture op te rig, fondasies te gooi of gruisplatforms op te rig om toegang tot die mynsterreine in die kusgebied te verkry. Kontrakteurs moet, nietemin, volgens kontrak, al hierdie soort infrastruktuur verwyder en die gebied rehabiliteer soos nodig wanneer werksaamhede beëindig word. Kontrakteurs is eweneens verbind daartoe om aanvaarbare omgewingspraktyke toe te pas soos gestipuleer word onder omgewingsverantwoordelikhede en -ondernemings in hulle kontrakte met MDM.

4.3 Vaartuiggebaseerde werksaamhede

Die A-konsessies strek van die seewaartse grens van die brandersone tot 1000 m vanaf die kus. As gevolg van die fisiese kenmerke van hierdie gebied word mynwerk uitgevoer deur bootgebaseerde duikers wat soortgelyke prosedures gebruik as die kusgebaseerde duikers. 'n Tipiese bootgebaseerde mynoperasie vir gebiede na aan die kus tot op 'n diepte van ~25 m maak gebruik van 'n 12–20 m vaartuig met 'n bemanning van 8–10 waarvan 4-5 duikers is. Die vaartuie wat aangepaste vissersbote is of doelgeboude katamarans nie, is toegerus met sentrifugale pompe wat een of twee suigpype dryf en die tydsduur vir hulle aktiwiteite is beperk tot dagligure vir 3 – 10 duikdae per maand. Vaartuiggebaseerde duikers gebruik toerusting wat van die oppervlak van die vaartuig gebaseer is en, as gevolg van die betrokke waterdieptes, word hulle bodem werktyd beperk deur dekompresie beperkings. Soortgelyk aan die brandersone aktiwiteite, stuur duikers die pompsuigstukke in sloepe, kolkgate en komgebiede om gruis op te suig. Tydens die mynproses kan groot klippe geskyf of verwyder word deur die duikers sodat die suigstukke dieper gruislae kan bereik.

Die klippe word soms deur die duikers in klipstapels opgehoop. Die gruis word verwerk deur 'n klassifiseerder wat op die vaartuig gemonteer is. Fyn materiaal (-2mm) wat deur die roostereenhede uitgewerp word, was direk terug in die see terwyl die groot fraksie (+19 mm) direk oorboord op die terrein self uitgewerp word. Die diamantdraende gruis word in sakke geplaas, afgelaai by Lambertsbaai en/of by Doringbaai se kaai en per pad na Moonstone se verwerkingsaanleg by De Punt vervoer.

Bootgebaseerde mynwerk word oor die algemeen slegs bedryf in oop, rotsagtige kusgebiede waar gruis vanaf dieper sloepe gepomp word of op die rand van sanderige baaie waar die bolaag relatief dun is. Vir hierdie gebiede wissel die totale hoeveelheid gruis wat van die seabodem verwyder word tussen 50 – 450 m³/maand, afhangende van die hoeveelheid bolaag wat verwyder moet word voordat die diamantdraende afsettings bereik kan word. Daar word geskat dat <0.02% van die hele gebied wat in die A - konsessies lê jaarliks deur vaartuie gemyn word. Daar is op die oomblik tussen 5 en 6 vaartuie in konsessies 11A, 12A en 13A, alhoewel die aantal kontrakteurs gedurig wissel.

As gevolg van die groot volumes bolaag wat verwyder moet word voor dit moontlik is om die swaarder gruis te bereik, is mynbou in sanderige gebiede oor die algemeen nie winsgewend vir operateurs wat op 'n klein skaal werk nie. Sommige



vaartuie is nietemin werksaam in vlakker water en is toegerus met blasers om die fyn oppervlakkige boliggende sediment van die seabodem te verplaas om ontginning van dieper gruisafsettings in sanderige gebiede wat voorheen onekonomies was, moontlik te maak.

Gedurende mynwerksaamhede is al die mynvaartuie selfstandige en selfvoorsienende myneenhede. Kontrakteurs is verbind daartoe om aanvaarbare omgewingspraktyke toe te pas soos gestipuleer word in hulle kontrakte met Moonstone.

4.4 Opsteek platform (“jack up platform”) opsteekplatform

Die mynmetodes wat in die ontginning van diamantdraende erts in konsessies 11, 12 en 13 gebruik word, word ingedeel volgens die soort werksaamheid wat daar plaasvind, naamlik kusgebaseer (vlakwater, A-konsessies) en vaartuiggebaseer (dieper water A-konsessies en B-konsessies). Vlakwater-, opsteekplatform- en baggertegnieke sal ook gebruik word deur sommige van die meer ondernemende kontrakteurs.

Die toerusting aan boord sluit in, 'n enkeldoelgerigte baggerpomp-myn-en-ontplooingsstelsel, operateurskajuit, primêre verwerkingsaanleg, produkoorplasingstelsel, kragopwekker en hidrouliese stelsel.

Die verwerkingsaanleg sal sand en gruis behandel en diamante uitsoek. Die strande aan die Weskus was ontgin deur klein duikerbeheerde sisteme afhangende van die enkele kalm see dae wat in elke maand voorkom. Die opsteekplatform is ontwerp vir amper ononderbroke werksaamhede en verhoog 'n myneenheid se produktiwiteit dramaties.

Dit is een van 'n reeks veelsydige lopende opsteekplatforms wat in water van tot 30 m diep kan loop en veilig bedryf kan word. Die lopende platforms kan heeltemal onafhanklik beweeg en bedryf word in rowwe seetoestande, sterk strome of op strande en ander tussengety gebiede wat die produktiwiteit van verskeie tradisionele opsteekplatformoperasies aansienlik opstoot.

Soos tradisionele opsteekplatforms het die platform vier opsteekbene wat op en af gestel kan word vanaf vaste opkrikpunte aan elke ent van die platform. Dit het ook 'n addisionele beweegbare paar krikbene aan elke kant van die platform. Die vier hulpbene word aan 'n glyraam gekonnekteer wat heen en weer horisontaal gekrik kan word aan die kant van die platformdek.

4.5 Spoelklip

Verwerking van oorskot om spoelklip te ontgin: 'n Plaaslike kontrakteur wat aangestel is, sal die oorskot herbewerk om verskillende groottes spoelklip te ontgin.

5 ANDER WETLIKE VEREISTES

- Konstitusie van die Republiek van Suid Afrika, 1996 (Hoofstuk 30)
- Nasionale Wet op Omgewingsbestuur, Wet 107 of 1998
- Wet op die Ontwikkeling van Minerale en Petroleumhulpbronne, Wet 28 van 2002
- Nasionale Waterwet, Wet 36 van 1998
- Wet op Gesondheid en Veiligheid in Myne, Wet 29 van 1996
- Wet op Omgewingsbewaring, Wet 73 van 1989
- Wet op die Bewaring van Landbouhulpbronne, Wet 43 van 1993
- Omgewingsbewaringwet, Wet 73 van 1989
- Nasionale Omgewingsbestuur: Wet op Beskermdes Gebiede, Wet 57 van 2003
- Nasionale Omgewingsbestuur: Wet op Biodiversiteit, Wet 10 van 2004
- Nasionale Omgewingsbestuur: Wet op Lugkwaliteit, Wet 39 of 2004
- Wet op die Wêrelderfeniskonvensie, Wet 49 van 1999
- Wet op Nasionale Erfenishulpbronne, Wet 25 van 1999



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- Wet op Bergopvanggebiede, Wet 63 van 1970
- Nasionale Boswet , Wet 84 van 1998, en die Nasionale Wet op Veld- en Bosbrande, Wet 101 van 1998, (geadministreer deur die Departement van Landbou, Bosbou en Visserye) en
- ander provinsiale ordinansies en munisipale verordeninge

6 BASISLYNINLIGTING

Archean Resources (Edms) Bpk wil moontlike impakte van die voorgestelde projek op die projek-omgewing identifiseer. Impakte wat volg uit die voorgestelde projek kan of positief of negatief wees. Negatiewe impakte is impakte wat die omgewing kan aftakel of beskadig en positiewe impakte is impakte wat die omgewing kan verbeter of tot die lewensbestaan van die omliggende gemeenskap kan bydrae. Versagtende maatreëls sal in die Omvangsbepalingsverslag ("Scoping Report") en die Omgewingsimpakverslag (OIV of "EIR") geïdentifiseer word met inagneming van die vrae en besware wat gedurende publieke deelname uitgelig word.

7 U BETROKKENHEID

Die geïntegreerde Omgewingsbepalingsverslae sal beskikbaar wees vir besigtiging vir ten minste 30 dae. Verslae sal op versoek per e-pos gestuur word aan geregistreerde belangstellende en geaffekteerde partye. U word versoek om u vrae of besware (indien enige) in te dien en te registreer as 'n belangstellende en geaffekteerde party (B&GP of "I&AP") in hierdie projek deur middel van die meegaande kommentaarvorm. Hierdie konsultasie-proses is belangrik omdat dit u bewus maak van die aard van die operasie en u toelaat om enige positiewe of negatiewe vrae te lig wat u oor die voorgestelde projek mag hê. U vrae en besware sal dan verder ondersoek word as deel van die omgewingsimpakstudie om te bepaal wat die impak van die kwessies is en hoe om bestuursmaatreëls te ontwikkel om hul impak aan te spreek.

7.1 Volgende Stappe

Die uitkomst van hierdie konsultasie-proses sal ingesluit word in die geïntegreerde Omvangsbepalingsverslag en die Omgewingsimpakverslag (OBV&OIV of "S&EIR") wat by die Departement van Minerale Hulpbronne en Energie (DMHE of "DMRE") as deel van die aansoekproses ingedien word.

8 OMVANGSBEPALINGSVESLAG

Beskikbaarheid van die geïntegreerde Omvangsbepalingsverslag: Die geïntegreerde omvangsbepalingskonsepverslag sal beskikbaar wees vir besigtiging vir ten minste 30 dae vanaf 30 Augustus 2021 tot 29 September 2021. Verslae sal per e-pos gestuur word aan geregistreerde belangstellende en geaffekteerde partye en harde kopieë sal op versoek beskikbaar wees by: Vanrhynsdorp Munisipaliteit en Biblioteek, Vredendal Biblioteek, Ebenezer Biblioteek, Koekenaap Gemeenskapsaal, Sederberg Munisipale Kantoor, Papendorp Gemeenskapsaal, Strandfontein Inligtingsentrum, Doringbaai Munisipale Kantoor en Lutzville Biblioteek.

Om deel te neem aan die proses en/of om kommentaar te lewer en/of om te registreer as Belangstellende en Geaffekteerde Party (B & GP) met betrekking tot die voorgestelde aktiwiteite soos hierbo uiteengesit, word u genooi om ons te kontak deur die verwysingsnommer te noem binne 30 dae vanaf hierdie kennisgewing met eindiging op 29 September 2021 op die volgende maniere: moses@archeanresources.com of roman@archeanresources.com en kopieer archeanresources@outlook.com in.

Of, andersins, per tel: (+27) 67 103 2562 of (+27) 82 9701513 of per faks: (+27) 86 695 5990



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KOMMENTAARVORM: OBP opdatering De Punt et al

Aansoeker: Moonstone Diamond Marketing (Edms) Bpk

Titel:		Van:	
Voornaam:		Organisasie:	
Plaas:		Gedeelte:	
Tel:	Faks:	E-pos:	

OPGRADERING VAN DIE GOEDGEKEURDE OMGEWINGSBESTUURPROGRAM INGEVOLGE ARTIKEL 12 (S) VAN DIE NASIONALE WET OP OMGEWINGSBESTUUR, WET NR. 62 VAN 2008, SOOS GEWYSIG, TEN OPSIGTE VAN DIAMANTMYNAKTIVITEITE VIR ALLE MYNREGTE OP DIE STRAND, BRANDERSONE GEBIEDE EN SEEKONSESSIES IN DIE LANDDROSDISTRIK VAN VANRHYNSDORP: WES-KAAPSTREEK.

Appendix 5 - English Background information document



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28 August 2021

BACKGROUND INFORMATION DOCUMENT FOR THE UPGRADE OF THE APPROVED ENVIRONMENTAL MANAGEMENT PROGRAMME IN TERMS SECTION 12 (S) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2008 (ACT NO. 62 OF 2008) AS AMENDED IN RESPECT OF DIAMOND MINING ACTIVITIES FOR ALL MINING RIGHTS ON THE BEACH, SURF ZONES AND SEA CONCESSIONS IN THE MAGISTERIAL DISTRICT OF VANRHYNSDORP: WESTERN CAPE REGION.

APPLICANT: MOONSTONE DIAMOND MARKETING (PTY) LTD

NOTICE OF THE UPGRADE OF THE APPROVED ENVIRONMENTAL MANAGEMENT PROGRAMME IN TERMS SECTION 12 (S) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2008 (ACT NO. 62 OF 2008) FOR THE APPROVED MINING RIGHTS IN TERMS OF THE MPRDA ACT 28 OF 2002, NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA) (ACT NO 107 OF 1998): IN LINE WITH THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGULATIONS, 2014 AS AMENDED WERE AGAIN AMENDED IN 2021 (GOVERNMENT GAZETTE NO. 44701, GNR 517), NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 AND COASTAL WATERS DISCHARGE PERMIT REGULATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: INTEGRATED COASTAL MANAGEMENT ACT, 2008 (ACT NO. 24 OF 2008).

DMR References:

- I. De Punt- DMR reference number WC 314 MR (Renewal reference number WC 10733 MR)
- II. Bethel 278 Mining Right - DMR reference number WC 315 MR (Renewal reference number WC 10132 MR)
- III. Farm 423 & Surf Zone Area Mining Right - DMR reference number WC 47 MR (Renewal reference number WC 10134 MR)
- IV. Hollebaksfontein Mining Right - DMR reference number WC 318 MR (Renewal reference number WC 10135 MR)
- V. Papendorp Mining Right - DMR reference number WC 316 MR (Renewal reference number WC 10136 MR)
- VI. Sea Area 12A Mining Right - DMR reference number WC 321 MR (Renewal reference number WC 10130 MR)
- VII. Sea Area 13A Mining Right - DMR reference number WC 320 MR (Renewal reference number WC 10137 MR)
- VIII. Strykloof Mining Right - DMR reference number WC 317 MR (Renewal reference number WC 10137 MR)
- IX. Weskus Mining Right - DMR reference number WC 319 MR (Renewal reference number WC 10138 MR)
- X. Sea Area 11A Mining Right - DMR reference number WC 112 MR (Renewal reference number WC 10066MR)

1 INTRODUCTION

This notice to all interested and affected parties is published in terms of the Mineral and Petroleum Resources Development Act (Act 28 of 2002), National Environmental Management Act (Act No 107 of 1998) as amended, National Environmental Management Waste Act, 2008 and National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008), that an integrated Scoping & Environmental Impact Assessment (S&EIR) process will be conducted for the upgrade of the approved Environmental Management Programme for Moonstone Diamond Marketing (Pty) Ltd diamond, Diamond (General), Diamond (Alluvial), Diamond (In Kimberlite), Pebble Stones mining activities for all mining rights on The Beach, Surf Zones and Sea Concessions in the magisterial district of Vanrhynsdorp, Western Cape Region. The existing rights are surrounded by farmlands with the nearest Residential areas being situated at Koekenaap and Lutzville, 23 km and 30 km inland, respectively.



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You have been identified as an interested and affected party (I&AP) in the project and the purpose of this letter is therefore to:

- Inform you of the development.
- Give you an opportunity to raise any concern you might have in respect of the mining activities.
- Incorporate your concerns in the impact assessment study, which is being done as part of the Scoping & Environmental Impact Assessment (S&EIR). The S&EIR is a legal requirement for all Upgrade of the Approved Environmental Management Programme and has to be approved by the Department of Mineral Resources (DMRE).

2 PROJECT BACKGROUND

The 13 A concession stretches along a ~15 km stretch of coastline south of the Olifants River mouth. Associated with these marine concessions are surf-zone concessions and admiralty strip areas. This coastline falls into the Matzikama Magisterial District and is administered from Vredendal situated on the Olifants River. The nearest fishing harbours are situated at Doringbaai and Lamberts Bay, ~14 km and ~50 km south of the river mouth, respectively.

The 120 ha De Punt onshore processing and production facility associated with the concessions is situated on ~1600 hectares of private land owned by Moonstone. With the exception of an ~50-hectare portion at the Olifants River mouth, the Moonstone property stretches to the Olifants River. The property is surrounded by farmlands with the nearest residential areas being situated at Koekenaap and Lutzville, 23 km and 30 km inland, respectively.

Concessions 11A, 12A and 13A occupy a coastal strip from 31.49 m seaward of the low water mark (LWM) to approximately 1000 m seawards of the high water mark (HWM) north of Doringbaai. The positions of these concession areas in relation to coastal features and the boundaries of neighbouring farms.

Concession 11A extends from Tietiesbaai in the north to approximately 2 km south of Koubaai. Concession 12A extends from 2 km south of Koubaai to ~1 km south of the Olifants River mouth. Concession 13A stretches along a ~15 km stretch of coastline from the Olifants River mouth south to Doringbaai. The associated surf- zone and admiralty strip concessions Weskus, Bethel, Strykloof, De Punt, Papendorp and Hollebakstrandfontein occupy a narrow coastal strip ~70m to ~300m wide from 31.49 m seaward of the LWM to the edge of the adjacent farm boundaries, from ~1.5 km north of Jakkalshok to Doring Bay. All mining operations conducted by Moonstone on the above- mentioned concessions thus take place below the HWA only.

3 PROJECT LOCATION

The area covered by this mining work programme falls into the Matzikama municipality. Nearby settlements include Doringbaai, Strandfontein, Vredendal, Lutzville and Koekenaap. Most towns in the region are served by branches from the N7 (R362/R363 to Papendorp and Strandfontein via Vredendal or Lutzville, and R364 to Doringbaai), and a proclaimed gravel road runs parallel to the coast and approximately 1 km inland. As the whole of the coastal strip is privately owned and utilised for farming purposes and camping, the area is characterized by a network of informal roads and tracks.

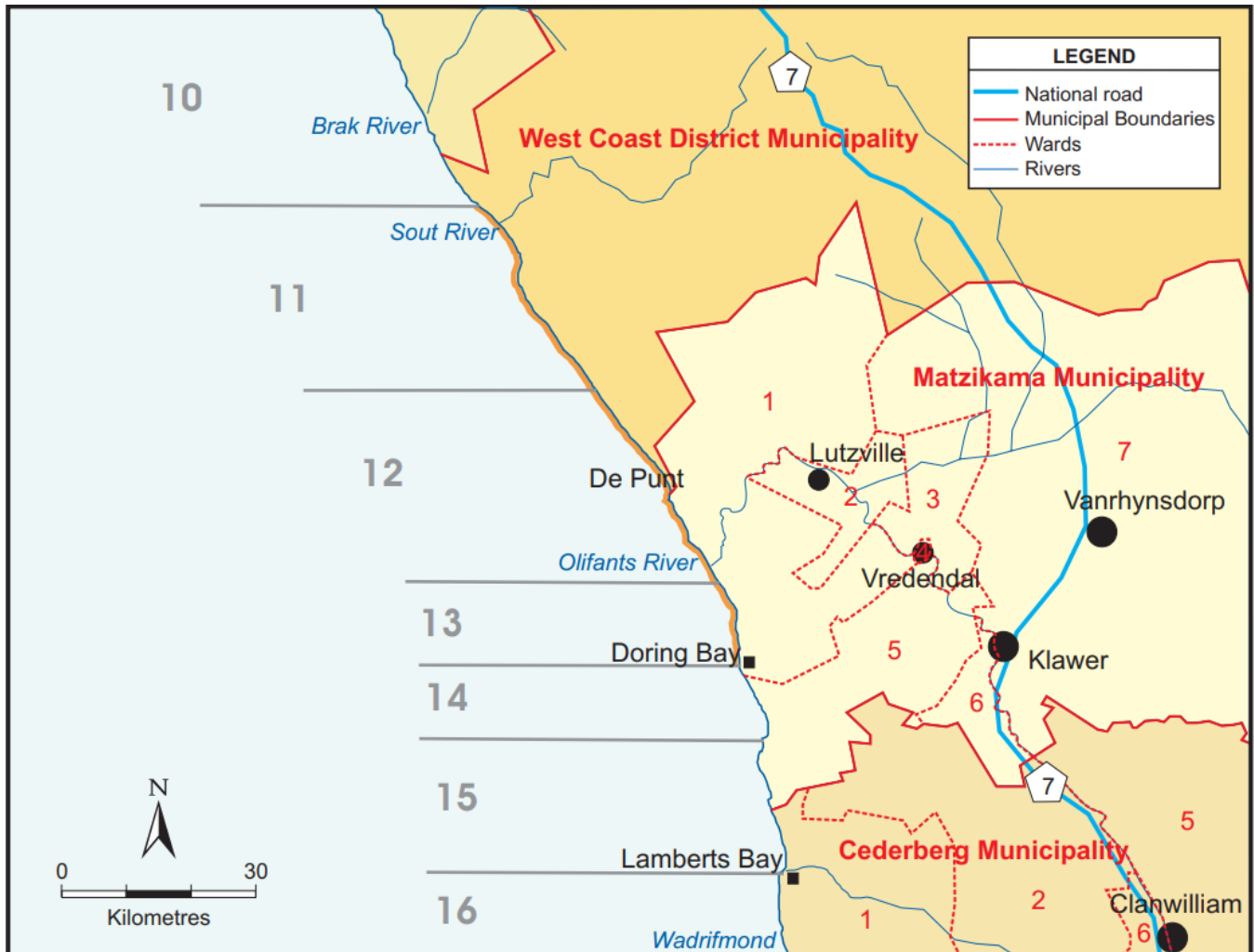


Figure 1: Map Showing the position of concession areas 11(a), 12 (a), 13(a) and associated surf zones and admiralty strip concessions (shaded orange) in relation to local municipalities and wards.

4 BASIC OVERVIEW OF THE MINING METHOD

Diamondiferous gravels along the South African west coast are not distributed evenly on the ocean floor. They have discrete distribution patterns which can vary dramatically, both horizontally and vertically. Deposits tend to concentrate on, and immediately above, bedrock in gullies and potholes. In reality therefore diamondiferous gravels occur in only a small proportion of the available concession area. They are usually covered by overburden which first has to be stripped away to gain access to the mineralised sediments. However, due to difficulties in conducting geophysical surveys and sampling in the surf-zone and shallow water environments, it is not possible to accurately determine where viable deposits are concentrated, with the result that beach and shallow-water mining in themselves become the prospecting tools. To improve mining success, nearshore operations are using sophisticated tracking and positioning systems to help focus efforts on the more productive areas. Nonetheless, shallow-water diamond mining remains opportunistic in nature being highly dependent on weather and sea conditions.

These effectively limit the periods in which mining can take place. Five days of mining per month by diver-operated systems are considered a good average for the South African west coast although longer individual periods may be workable,



particularly in the summer months. Sea conditions also control where safe operations can be conducted, as these often have to be in areas with some wave shelter. Swell conditions and underwater visibility can vary enormously over small spatial and temporal scales, making it necessary to choose appropriate mining sites on specific days rather than sequentially mining a concession from one end to the other. A phased approach to mining the surf-zone and (a)-concessions is thus not possible, leading to the public misconception that shallow- water mining is conducted in an ad hoc fashion, and impacts the entire concession area.

The concession areas under the jurisdiction of Moonstone are mined by smaller contractors who mine specific areas on behalf of the company.

The mining methods employed in the extraction of diamondiferous ores in concessions 11A, 12A, 13A and the corresponding surfzones and admiralty strips, are divided according to their area of operation on the concession. The four methods used to mine marine gravels are described in detail below.

4.1 Beach Mining

Beach mining operations are typically conducted between the high water mark (HWM) and low water mark (LWM), during spring low tides, on tidally exposed sandy and mixed (rock and sand) beaches. The target beaches to be prospected and mined by contractors are in the Weskus surf-zone concession adjacent tom 12A, and the Doringbaai surf-zone and admiralty strip concession opposite 13A). The coastline in the Geelwal area is characterised by medium to fine-grained beaches of medium incline. In most target areas, these beaches are backed at the HWM by steep clay and sandstone cliffs. Mineralization in shallow-water and surf- zone areas is generally erratic. The lack of suitable technology to effectively sample these zones furthermore prevents definitive ore reserve delineation. Consequently, the beach mining practiced by Moonstone's contractors more closely resembles prospecting operations than full-scale mining per se. Only once a bedrock feature yielding a viable reserve has been identified, do operations take on a larger, and more permanent scale by sequentially mining blocks following the feature. The modus operandi and scale of operation in beach mining therefore depends largely on whether the contractor is prospecting or mining and on the depth of overburden that needs to be removed before the target gravels can be accessed. In the Weskus concession, the overburden is composed primarily of beach sands, often containing embedded boulders. Target beaches in Strykloof, and at Hollebaksfontein opposite concession 13A are, however, composed primarily of pebbles and boulders. Mining targets are gravel beds underlying the beach sand, gravel overlying bedrock, as well as gravel in gullies and/or potholes in the bedrock. Depending on the degree of sand inundation on the beaches at the time of mining, the overburden layer may vary in thickness from <1 m to as much as 3 m.

Heavy machinery such as bucket-shovels, bulldozers or front-end loaders are used to expose gravels rapidly over low tide periods. Overburden is moved to immediately above the low tide level to prevent rapid re-covering of the target gravels. The underlying gravels are subsequently extracted using one of three basic approaches.

a. Removal of overburden sands or boulders creates an excavation. In order to prolong the time available for gravel extraction in this excavation during low tide periods, small protective seawalls are constructed with the overburden to provide shelter from waves and the rising tide, for divers and equipment. However, despite being protected from the sea, the excavation fills with water. The submerged target gravels are mined by two diver-guided 20 cm suction hoses which feed to a tractor modified to drive a centripetal pump and rotary classifier. The classifier, which is positioned in the intertidal area, sorts the pumped material and extracts the size fraction of interest. The diamond bearing gravel is bagged and transported on a daily basis to the central De Punt processing facility for diamond extraction. Large size fraction tailings (+25 mm) are accumulated around the classifier and the fine tailings (-2 mm) are returned directly to the sea as a sediment slurry. These fines may form turbid



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plumes in the nearshore but are generally rapidly dissipated by wave action. The oversize tailings heaps which accumulate around the classifier are dispersed during the high tide, or mechanically redistributed over the beach at the end of mining operations.

b. Alternatively, the gravels are extracted from the mine area by bucket-shovel and transferred to dump-trucks. The trucks transport the gravel along the beach and deposit it into a second excavation, centrally situated and protected from the sea by a large seawall. Although this wall is likewise constructed of locally sourced beach sands, for greater stability and resilience the base of the wall is reinforced using rocks and boulders excavated from the mining area. This creates a small cofferdam which provides a protected shallow-water environment for prolonged diver-operated gravel extraction. As in the previous operation, mined gravel is delivered to a classifier positioned below the HWM within the protected confines of the seawall. Oversize tailings are accumulated around the classifier and the fines are returned to the cofferdam. As the seawall required for such an operation is extensive and must by necessity be situated relatively far up the beach (around the mid-tide mark), the extremities of the wall tend to encroach onto the cliff-base. As this has been identified as a sensitive area on the cliffed coast, this type of large-scale cofferdam mining has been discontinued.

c. The larger scale beach mining operations more recently involve the placing of a grizzly and classifier below the HWM in a central position on the beach. The equipment is elevated on a platform built of locally sourced material and protected by a small seawall. Gravel is extracted from the mine area by bucket-shovel and transferred to dump-trucks. The mine area is protected by a rock-stabilized seawall. The trucks transfer the gravel to the central processing area where it is stock-piled before being fed by a bucket-shovel or front-end loader into the classifier via the grizzly. Oversize tailings are accumulated around the classifier and the fines are returned to the sea across the beach. Alternatively, tailings are deposited into a sump sunk into the beach.

4.2 Shore-based operations

For the purposes of marine diamond mining the surf-zone is defined as that area extending from the high-water mark to 31.49 m (100 Cape feet) beyond the low water mark. Mining in this zone, and to depths of 10 m in the A-concessions, is primarily shore-based. The operations are confined to small bays, and are typically conducted using small-scale, diver-assisted suction equipment, as described above. Large size fraction tailings (+25 mm) are accumulated around the classifier and the fine tailings (-2 mm) are returned to the sea across the intertidal zone as a sediment slurry. Care is taken to deposit oversize tailing below the HWM to allow natural redistribution by wave action. A shore-based operation typically consists of 2-4 divers, their assistants, and a tractor-driven classifier. The divers operate on surface supplied air and guide the distal end of the suction hose into the gravel deposits, which are sucked up and delivered directly to the classifier (Plate 4_Annexure 1). Target ore bodies are subtidal gravels residing in gullies and potholes, and to access these, the divers may need to remove large rocks and boulders. In areas of dense kelp (*Laminaria pallida*) coverage, kelp may need to be cut to allow easy movement of the suction hoses and airlines when attempting to reach the diamondiferous deposits in the surf-zone and beyond. There are currently 4 shore-units operational in the surf-zones adjacent to concessions 11A and 12A, although the number of contractors varies constantly.

Mining rates for diver/tractor systems are about 0.25 m³ of gravel supplied to the classifier per hour. Because of the tidal cycle and weather/sea state limitations plants operate for less than 6 hours per day for an average of 5–6 days per month. Consequently, each diver/tractor unit processes approximately 100 m³ of gravel per year. The overall extent of the concessions mined is low, being estimated as <0.03% per year of the available A-concession area. To gain access to the water, the contractors attempt to locate their equipment as close to the sea as possible in the supratidal and intertidal regions. The network of existing roads is more than adequate to provide contractors with access to their mining sites, and no new roads need to be created. Unlike for beach mining, substantial upgrading of these tracks will, however, not be necessary as vehicles and equipment used for shore-based operations are lighter than those used in beach mining. Nonetheless, those roads and



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tracks used regularly by contractors are maintained by Moonstone. The topography of the bays targeted by shore contractors, enables the storage of classifiers and hoses above the HWM on site. As classifiers and suction hoses are too cumbersome to be removed from the site each time pumping operations are interrupted for short periods, this circumvents excessive use of the tracks. The equipment storage areas are usually restricted to an area of <5 m² and damage to strandveld vegetation is thus limited.

In some areas (e.g., Die Toring, cliffs between Middlestrand and Robeiland) where steep cliffs preclude access to the shore by road, small cableways have been constructed to ferry equipment and gravel to and from the mining site. Personnel use small paths to reach the site. At some sites it has also been necessary to erect structures, throw foundations or construct gravel platforms to access the mining sites in the littoral zone. However, contractors are contractually bound to remove all such infrastructure and rehabilitate the area as necessary on closure of operations. Contractors are likewise bound to acceptable environmental practices as stipulated under the environmental obligations and undertakings in their contracts with MDM.

4.3 Vessel-based Operations

The A-concessions extend from seaward boundary of the surf-zone to 1000 m offshore. Due to the physical characteristics of this zone mining is carried out by boat-based divers using similar procedures to those applied by shore-based divers. A typical boat-based operation used to mine the nearshore areas to depths of ~25 m, consists of a 12–20 metre vessel with a 8–10 man crew, of which 4-5 are divers. The vessels, which are either converted fishing boats or purpose-built catamarans, are equipped with centrifugal pumps that operate one or two suction hoses, with the duration of their activities limited to daylight hours for 3 – 10 diving days per month. Vessel-based divers operate on surface supplied diving equipment, and due to the water depths involved, their bottom-working time is limited by decompression commitments. Similar to the surf-zone operations divers guide the pump nozzles into gullies, potholes and basin areas to retrieve gravel. In the mining process large rocks may either be exposed or removed by divers to allow the suction nozzle to reach deeper gravel layers.

The rocks are sometimes accumulated by the divers into rock piles. The gravels are processed through a classifier mounted on the vessel. Fine material (-2mm) discharged from the screening units washes directly back into the sea whilst the oversize fraction (+19 mm) is discharged directly overboard on site. The diamond-bearing gravel is bagged, offloaded at the Lamberts Bay and/or Doringbaai jetty, and transported by road to Moonstone's processing facility at De Punt.

Boat-based mining generally only operates in exposed rocky shore areas where gravel is pumped from deeper gullies, or on the edges of sandy bays where the layer of overburden is relatively thin. For these areas the amount of gravel removed in total from the sea floor ranges from 50 – 450 m³/month, depending on the layer of overburden which needs to be removed before the diamondiferous deposits can be accessed. It is estimated that <0.02% of the total area available in the A-concessions is mined by vessels annually. There are currently between 5 and 6 vessels working in concessions 11A, 12A and 13A, although the number of contractors varies constantly.

Mining of sand areas is generally unprofitable for the small-scale operators due to the large volumes of overburden that have to be removed before it is possible to gain access to the heavier gravel. However, some vessels operating in shallower waters are fitted with blowers to displace the overlying fine surficial sediment from the seabed thereby allowing exploitation of deeper gravel deposits in areas dominated by sand which were previously uneconomic to recover.

During mining operations all the mining vessels are self-contained and self-sufficient mining units. Contractors are bound to acceptable environmental practices as stipulated under the environmental obligations and undertakings in their contracts with Moonstone.



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4.4 Jack up Platform

The mining methods employed in the extraction of diamondiferous ores in concessions 11, 12 and 13 are divided according to their area of operation namely beach mining, shore-based (shallow water, a-concessions) and vessel-based (deeper water a-concessions and b-concessions). Shallow-water 'Jack-Up Platform and dredging/barging techniques will also be employed by some of the more entrepreneurial contractors.

The onboard equipment includes a purpose designed dredge pump mining and deployment system, operator's cabin, on-board primary processing plant, product transfer system, power generation and hydraulic system.

The processing plant will treat sand and gravel and pick out diamonds. The beaches of the West Coast have been mined by small diver operated spreads dependent on the few calm days, which occur each month. The Jack-up platform is designed for almost continuous operation, dramatically increasing productivity of a mining unit.

It is one of a range of versatile walking jack-ups, which are capable of walking and safely operating in water depths of up to 30 m. The walking platforms can move and operate completely independently in rough seas, strong currents or on beaches and other inter-tidal locations, considerably boosting the productivity of a variety of traditional jack-up platform operations.

Like traditional jack-up platforms, the platform has four jacking legs, which can be raised and lowered from fixed jacking points at each end of the platform. In addition, it has another moveable pair of jacking legs on each side of the platform. The four auxiliary legs are connected to a sliding frame, which can be jacked horizontally back and forth along the side of the platform deck.

4.5 Pebbles

Processing of tailings to extract Pebbles: An appointed local contractor will rework the tailings to extract different sizes of pebble stones.

5 OTHER LEGAL REQUIREMENTS

- Constitution of the Republic of South Africa, 1996 (Chapter 30)
- National Environmental Management Act 107 of 1998, as Amended
- Mineral and Petroleum Resources Development Act No 28 of 2002
- National Water Act 36 of 1998
- Mine Health and Safety Act, 1996 (Act No. 29 of 1996);
- Environment Conservation Act, 1989 (Act No. 73 of 1989);
- Conservation of Agricultural Resources Act 43 of 1993
- Environment Conservation Act 73 of 1989;
- National Environmental Management: Protected Areas Act 57 of 2003;
- National Environmental Management: Biodiversity Act 10 of 2004;
- National Environmental Management: Air Quality Act, 2004 (Act no.39 of 2004);
- National Environmental Management: Integrated Coastal Management Act, 2008 (ACT NO. 24 OF 2008).
- World Heritage Convention Act 49 of 1999;
- National Heritage Resources Act 25 of 1999;
- Mountain Catchment Areas Act 63 of 1970, and
- National Forest Act 84 of 1998 and National Veld and Forest Fire Act 101 of 1998 (administered by the Department of Agriculture, Forestry and Fisheries).
- other Provincial ordinances and municipal by laws



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6 BASELINE INFORMATION

Archean Resources (Pty) Ltd will identify possible impacts of the proposed project on the receiving environment. Impacts that might arise due to the proposed project can be either negative or positive. Negative impacts are impacts that can degrade or damage the environment while positive impacts are impacts that enhance the environment or contribute to the livelihood of the surrounding community. Mitigation measures will be identified in the Scoping report & EIR taking into account concerns raised during the public participation.

7 YOUR INVOLVEMENT

The Integrated Scoping Report will be available for review for at least 30 days; Reports will be emailed to registered interested and affected parties and upon request. You are requested to submit your concerns (if any) and register as an I&AP in this project by way of the accompanying comments form. This consultation process is important as it raises your awareness about the nature of the operation and allows you to raise any positive and/or negative concerns you might have regarding the proposed project. Your concerns will then be investigated further as part of the environmental impact study to determine their impacts; management measures will then be developed to address these impacts.

7.1 Way Forward

The results of this consultation process will be included in the Integrated Scoping & Environmental Impact Assessment (S&EIR, which will be submitted to DMRE as part of the application process.

8 SCOPING REPORT

Integrated Scoping Report availability: The draft integrated scoping report will be available for review for at least 30 days from the 30th of August 2021 to the 29th of September 2021; Reports will be emailed to registered interested and affected parties and upon request, hard copies will be available at: Van Rhynsdorp municipality and library, Vredendal Library, Ebenezer Library, Koekenaap Community hall, Cederberg municipal office, Papendorp Community Hall, Strandfontein Information Centre, Doring Municipality office and Lutzville Library

In order to participate in the process and/or provide comments and or to register as an Interested and Affected Party (I & AP) pertaining to the above-proposed activity, you are invited to contact us quoting the reference number within 30 days of this notice ending on the 29th of September 2021 via the following methods:

moses@archeanresources.com/roman@archeanresources.com

cc archeanresources@outlook.com or alternatively On Tel: (+27) 67 103 2562 (+27) 82 9701513 and Fax: (+27) 86 695 5990



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COMMENT FORM: EMP update De Punt et al

Applicant: Moonstone Diamond Marketing (Pty) Ltd

Title:		Surname:	
Name:		Organisation:	
Farm:		Portion:	
Tel:	Fax:	Email:	

UPGRADE OF THE APPROVED ENVIRONMENTAL MANAGEMENT PROGRAMME IN TERMS SECTION 12 (S) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2008 (ACT NO. 62 OF 2008) AS AMENDED IN RESPECT OF DIAMOND MINING ACTIVITIES FOR ALL MINING RIGHTS ON THE BEACH, SURF ZONES AND SEA CONCESSIONS IN THE MAGISTERIAL DISTRICT OF VANRHYNSDORP: WESTERN CAPE REGION

Appendix 6 – De Punt et al Site Notice in Afrikaans

KENNISGEWING VAN DIE OPGRADERING VAN DIE GOEDGEKEURDE OMGEWINGSBESTUURPROGRAM INGEVOLGE ARTIKEL 12 (S) VAN DIE NASIONALE WET OP OMGEWINGSBESTUUR, 2008, WET NR. 62 VAN 2008, VIR DIE GOEDGEKEURDE MYNREGTE INGEVOLGE VAN DIE WET OP DIE ONTWIKKELING VAN MINERALE EN PETROLEUMHULPBRONNE (WOMPH OF "MPRDA"), WET 28 VAN 2002, DIE NASIONALE WET OP OMGEWINGSBESTUUR (NWOB OF "NEMA"), WET NR. 107 VAN 1998: IN LYN MET DIE REGULASIES OP OMGEWINGSIMPAKBEPALING (OIB), 2014, SOOS GEWYSIG EN WEER GEWYSIG IN 2021 (STAATSKOERANT NR. 44701, GNR 517), DIE NASIONALE WET OP OMGEWINGSBESTUUR: AFVAL, 2008, WET 59 VAN 2008, EN DIE KUSWATER-AFVOERPERMITREGULASIES INGEVOLGE DIE NASIONAL WET OP OMGEWINGSBESTUUR: GEÏNTEGREERDE KUSBESTUUR, 2008, WET NR. 24 VAN 2008.

DMH Verwysing:

- i. De Punt Mynreg – DMH verwysingsnommer WC 314 MR (Verwysingsnommer vir hernuwing WC 10733 MR)
- ii. Bethel 278 Mynreg – DMH verwysingsnommer WC 315 MR (Verwysingsnommer vir hernuwing WC 10132 MR)
- iii. Plaas 423 & Brandersone Mynreg – DMH verwysingsnommer WC 47 MR (Verwysingsnommer vir hernuwing WC 10134 MR)
- iv. Hollebaksfontein Mynreg – DMH verwysingsnommer WC 318 MR (Verwysingsnommer vir hernuwing WC 10135 MR)
- v. Papendorp Mynreg – DMH verwysingsnommer WC 316 MR (Verwysingsnommer vir hernuwing WC 10136 MR)
- vi. Seegebied 12A Mynreg – DMH verwysingsnommer WC 321 MR (Verwysingsnommer vir hernuwing WC 10130 MR)
- vii. Seegebied 13A Mynreg – DMH verwysingsnommer WC 320 MR (Verwysingsnommer vir hernuwing WC 10137 MR)
- viii. Strykloof Mynreg – DMH verwysingsnommer WC 317 MR (Verwysingsnommer vir hernuwing WC 10137 MR)
- ix. Weskus Mynreg – DMH verwysingsnommer WC 319 MR (Verwysingsnommer vir hernuwing WC 10138 MR)
- x. Seegebied 11A Mynreg - DMH verwysingsnommer WC 112 MR (Verwysingsnommer vir hernuwing WC 10066MR)



Hierdie kennisgewing aan alle belangstellende en geaffekteerde partye word gepubliseer ingevolge die Wet op Minerale en Petroleumhulpbronne, Wet Nr. 28 van 2002, die Wet op Nasionale Omgewingsbestuur, Wet Nr. 107 van 1998, soos gewysig, die Nasionale Wet op Omgewingsbestuur: Afval, 2008, Wet 59 van 2008, en die Nasionale Wet op Omgewingsbestuur: Geïntegreerde Kusbestuur, 2008, Wet Nr. 24 van 2008, dat 'n proses vir 'n geïntegreerde Omvangsbepaling- en Omgewingsimpakverslag (OB & OIV) uitgevoer sal word vir die opgradering van die goedgekeurde Omgewingsbestuurprogram vir Moonstone Diamonds Marketing (Edms) Bpk vir die mynaktiwiteite van diamant, Diamant (Algemeen), Diamant (Spoel), Diamant (in Kimberliet), Spoelklip vir alle mynregte op die Strand, in Brandingsgebiede en Seekonsessies in die landdrostdistrik van Vanrhynsdorp, in die Wes-Kaapstreek. Die bestaande regte is omring deur landerye met die naaste woongebiede te Koekenaap en Lutzville, onderskeidelik 23 km en 30 km die binneland in.

Beskikbaarheid van die geïntegreerde Omvangsbepalingsverslag: Die geïntegreerde omvangsbepalingskonsepverslag sal beskikbaar wees vir besigtiging vir ten minste 30 dae vanaf 30 Augustus 2021 tot 29 September 2021. Verslae sal per e-pos gestuur word aan geregistreerde belangstellende en geaffekteerde partye en harde kopieë sal op versoek beskikbaar wees by: Van Rhynsdorp Munisipaliteit en Biblioteek, Vredendal Biblioteek, Ebenezer Biblioteek, Sederberg Munisipale Kantoor, Papendorp Gemeenskapsaal, Strandfontein Inligtingsentrum, Koekenaap Munisipale Kantoor, Doringbaai Munisipale Kantoor en Lutzville Biblioteek.

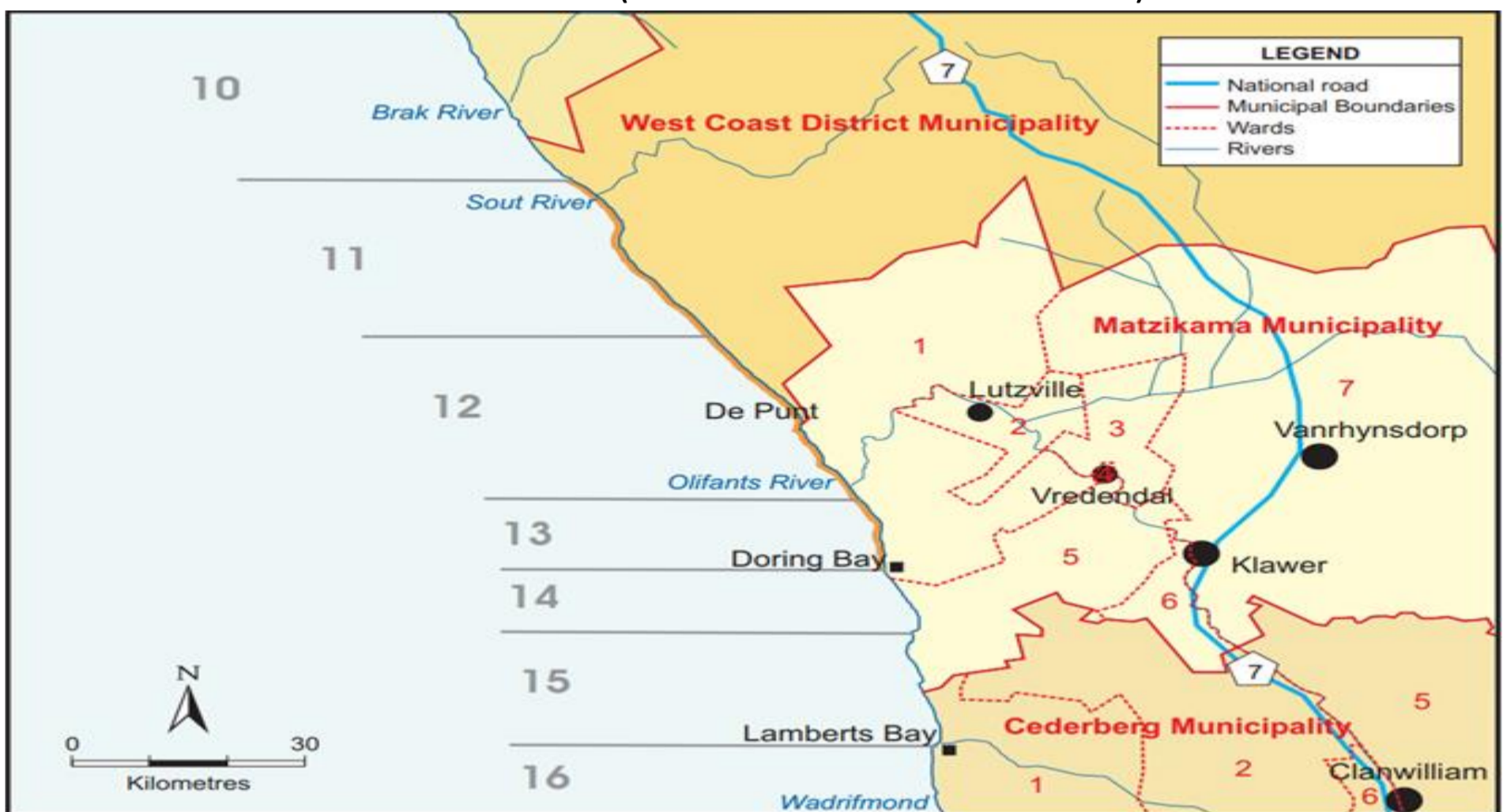
Om deel te neem aan die proses en/of om kommentaar te lewer en/of om te registreer as Belangstellende en Geaffekteerde Party (B & GP) met betrekking tot die voorgestelde aktiwiteite soos hierbo uiteengesit, word u genooi om ons te kontak deur die verwysingsnommer te noem binne 30 dae vanaf hierdie kennisgewing met eindiging op 29 September 2021 op die volgende maniere: moses@archeanresources.com of roman@archeanresources.com en kopieer archeanresources@outlook.com in. Of, andersins, per tel: (+27) 67 103 2562 of (+27) 82 9701513 of per faks: (+27) 86 695 5990

Appendix 7 - De Punt et al Site Notice

NOTICE OF THE UPGRADE OF THE APPROVED ENVIRONMENTAL MANAGEMENT PROGRAMME IN TERMS SECTION 12 (S) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2008 (ACT NO. 62 OF 2008) FOR THE APPROVED MINING RIGHTS IN TERMS OF THE MPRDA ACT 28 OF 2002, NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA) (ACT NO 107 OF 1998): IN LINE WITH THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGULATIONS, 2014 AS AMENDED WERE AGAIN AMENDED IN 2021 (GOVERNMENT GAZETTE NO. 44701, GNR 517), NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 AND COASTAL WATERS DISCHARGE PERMIT REGULATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: INTEGRATED COASTAL MANAGEMENT ACT, 2008 (ACT NO. 24 OF 2008).

DMR Reference:

- i. De Punt- DMR reference number WC 314 MR (Renewal reference number WC 10733 MR)
- ii. Bethel 278 Mining Right - DMR reference number WC 315 MR (Renewal reference number WC 10132 MR)
- iii. Farm 423 & Surf Zone Area Mining Right - DMR reference number WC 47 MR (Renewal reference number WC 10134 MR)
- iv. Hollebaksfontein Mining Right - DMR reference number WC 318 MR (Renewal reference number WC 10135 MR)
- v. Papendorp Mining Right - DMR reference number WC 316 MR (Renewal reference number WC 10136 MR)
- vi. Sea Area 12A Mining Right - DMR reference number WC 321 MR (Renewal reference number WC 10130 MR)
- vii. Sea Area 13A Mining Right - DMR reference number WC 320 MR (Renewal reference number WC 10137 MR)
- viii. Strykloof Mining Right - DMR reference number WC 317 MR (Renewal reference number WC 10137 MR)
- ix. Weskus Mining Right - DMR reference number WC 319 MR (Renewal reference number WC 10138 MR)
- x. Sea Area 11A DMR reference number WC 112 MR (Renewal reference number WC 10066MR)



This notice to all interested and affected parties is published in terms of the Mineral and Petroleum Resources Development Act (Act 28 of 2002), National Environmental Management Act (Act No 107 of 1998) as amended, National Environmental Management Waste Act, 2008 and National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008), that an integrated Scoping & Environmental Impact Assessment (S&EIR) process will be conducted for the upgrade of the approved Environmental Management Programme for Moonstone Diamonds Marketing (Pty) Ltd diamond, Diamond (General), Diamond (Alluvial), Diamond (In Kimberlite), Pebble Stones mining activities for all mining rights on The Beach, Surf Zones and Sea Concessions in the magisterial district of Vanrhynsdorp, Western Cape Region. The existing rights are surrounded by farmlands with the nearest Residential areas being situated at Koekenaap and Lutzville, 23 km and 30 km inland, respectively.

Integrated Scoping Report availability: The draft integrated scoping report will be available for review for at least 30 days from the 30th of August 2021 to the 29th of September 2021; Reports will be emailed to registered interested and affected parties and upon request, hard copies will be available at: Van Rhynsdorp municipality and library, Vredendal Library, Ebenezer Library, Koekenaap Community hall, Cederberg municipal office, Papendorp Community Hall, Strandfontein Information Centre, Doring Municipality office and Lutzville Library

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