

APPENDIX B

APPLICATION FORM, DFFE SCREENING TOOL REPORT, DFFE MEETING MINUTES



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure, Western Cape Province

Indicate if the **DRAFT** report accompanies the application

Yes

No

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	Yes	<input checked="" type="checkbox"/>	
Date of the pre-application meeting	28 October 2021		
Reference number of pre-application meeting held	2021-10-0002		
Was minutes compiled and submitted to the Department for approval	Yes	<input checked="" type="checkbox"/>	

A copy of the pre-application meeting minutes must be appended to this application as **APPENDIX 1**.

Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This application form is current as of **April 2021**. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. The onus is on the Applicant/EAP to determine all applicable listed activities that would require Environmental Authorisation prior to the commencement of the construction activities. Should any revision of your development comprise any other activities that constitute a listed activity/ies as defined in Listing Notice 1, 2, or 3 of the EIA Regulations, 2014 as amended, it must also form part of the Application for Environmental Authorisation.
4. An application fee is applicable (refer to **Section 2**). Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the Fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.
5. A cover letter on your company letterhead indicating the nature of this application must be appended to this form i.e. new application for Environmental Authorisation, updated application for Environmental Authorisation.
6. An electronic copy of the signed application form must be submitted of both the Applicant and EAP.
7. This form must be marked "**for Attention: Chief Director: Integrated Environmental Authorisations**" and submitted to the Department at the format as prescribed in the process to upload documents form.
8. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will

extend automatically when each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).

9. Where applicable black out the boxes that are not applicable in the form.
10. The use of the phrase “not applicable” in the form must be done with circumspection. Where it is used in respect of material information that is required by the Competent Authority for assessing the application, this may result in the rejection of the application as provided for in the Regulations.
11. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the Competent Authority. Upon request during any stage of the application process, the Applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.
12. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
13. Please note that this form must be copied to the relevant Provincial Environmental Department(s)
14. An application for Environmental Authorisation lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.
15. An application for environmental authorisation must be accompanied by a report generated by the web based environmental screening tool (in Appendix 11). This has been stipulated as a requirement for the submission of applications for environmental assessment in the Environmental Impact Assessment Regulations. The Screening Tool allows for the generation of a Screening Report referred to in Regulation 16(1)(v) of the Environmental Impact Assessment Regulations 2014, as amended, whereby a Screening Report is required to accompany any application for Environmental Authorisation.

Departmental Details

Online Submission:

EIAapplications@environment.gov.za or <https://sfiler.environment.gov.za:8443/>.

Please read the process for uploading files to determine how files are to submitted to this Department.

Postal address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
Email: EIAAdmin@environment.gov.za

1. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:

Department of Forestry, Fisheries and the Environment (DFFE)

Reason(s) in terms of S24C of NEMA:

The Applicant (Eskom Holdings SOC) is an Organ of State.

2. FEES

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof of payment or a motivation for exclusions must be attached as **APPENDIX 2** of this application form.

Proof of payment attached		No <input checked="" type="checkbox"/>
Payment Reference Number		
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014	Yes <input checked="" type="checkbox"/>	

An applicant is excluded from paying fees if:

- The activity is a community based project funded by a government grant; or
- The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government Grant	
The applicant is an organ of state	<input checked="" type="checkbox"/>

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Forestry, Fisheries and the Environment banking details for the payment of application fees:

<p>Payment Enquiries: Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account</p> <p>Reference number: Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude e.g. -33.918861/18.423300</p> <p>Status: Tax exempted</p>
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3. GENERAL INFORMATION

Name of the Applicant:	Eskom Holdings SOC Ltd.		
RSA Identity/ Passport Number:	N/A		
Name of contact person for applicant (if other):	Deidre Herbst		
RSA Identity/ Passport Number:	Not Applicable, as not private application		
Responsible position, e.g. Director, CEO, etc.:	Generation Environmental Manager		
Company/ Trading name (if any):	Not Applicable, as not private application		
Company Registration Number:	2002/015527/30		
BBBEE status:	State Owned Entity		
Physical address:	Megawatt Park, 1 Maxwell Drive, Sunninghill, Sandton		
Postal address:	PO Box 1091, Johannesburg		
Postal code:	2001	Cell:	083 660 1147
Telephone:	011 800 3501	Fax:	
E-mail:	Deidre.herbst@eskom.co.za		

Name of the landowner:	Eskom Holdings SOC Ltd.				
Name of contact person for landowner (if other):					
Postal address:					
Postal code:				Cell:	
Telephone:				Fax:	
E-mail:					

Name of Person in control of the land:	Eskom Holdings SOC Ltd.		
Name of contact person for person in control of the land:	Shawn Hurling		
Postal address:	Sere Wind Farm Lot 1862 Olifants River Settlement Lutzville		
Postal code:	8165	Cell:	084 580 0045
Telephone:	021 859 9201	Fax:	021 859 2587
E-mail:	HurlingS@eskom.co.za		

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **APPENDIX 3**.

Unless the application is in respect of linear activities or Strategic Infrastructure Projects as contemplated in the Infrastructure Development Act (Act No. 23 of 2014), written consent of landowner/s must be submitted in **APPENDIX 3**.

The originally signed declaration undertaking by the applicant must be submitted as **APPENDIX 9**.

Provincial Environmental Authority:	Western Cape Department of Environmental Affairs and Development Planning		
Name of contact person:	Adri La Meyer		
Postal address:	Private Bag X6509, George		
Postal code:	6530	Cell:	
Telephone:	021 483 2887	Fax:	
E-mail:	Adri.LaMeyer@westerncape.gov.za		

Local Municipality:	Matzikama Local Municipality		
Name of contact person in (Environmental Section):	Hermanus Johannes van der Hoven (Executive Mayor)		
Postal address:	PO Box 98, Vredendal		
Postal code:	8160	Cell:	083 233 7883
Telephone:	027 201 3300	Fax:	
E-mail:	johanv@matzikama.gov.za		

In instances where there is more than one Local/Provincial Authority involved, please attach a list of those Local/Provincial Authorities with their contact details as **APPENDIX 4**.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner:	Nemai Consulting (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
EAP name:	Jacqui Davis		
EAP Qualifications:	BSc (Hons) Geography		
Professional affiliation/registration:	IAIA Member, Registration with SACNASP in progress (Ref. No 141320). EAPASA Registration application in progress.		
Physical address:	No. 147 Bram Fischer Drive, Ferndale, 2194		
Postal address:	P.O. Box 1673, SUNNINGHILL		
Postal code:	2157	Cell:	071 370 1168
Telephone:	011 781 1730	Fax:	011 781 1731
E-mail:	jacquid@nemai.co.za		

The appointed EAP must meet the requirements of Regulation 13 of the EIA Regulations, 2014 as amended. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **APPENDIX 10**.

5. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

The hybridisation of the existing Sere Wind Farm with the installation of PV capacity was identified as one of the Renewable initiatives in the Eskom Corporate Plan. Sere Wind Farm is a 105.8 MW wind facility located near Vredendal in the Western Cape, which entered into commercial operation on 31 March 2015. In order to address the urgent need for additional generating capacity, it has been proposed that PV technology be installed at the Sere Wind Farm site in phases. This project is applicable for the first phase (Phase 1A) of the Sere PV project. Phase 1A aims to address Eskom's urgent need for additional generating capacity.

The Project is located in the north-western part of the Western Cape and falls within the Matzikama Local Municipality (MLM) falling within the West Coast District Municipality (WCDM). The locality map is provided in **Figure 1** below.

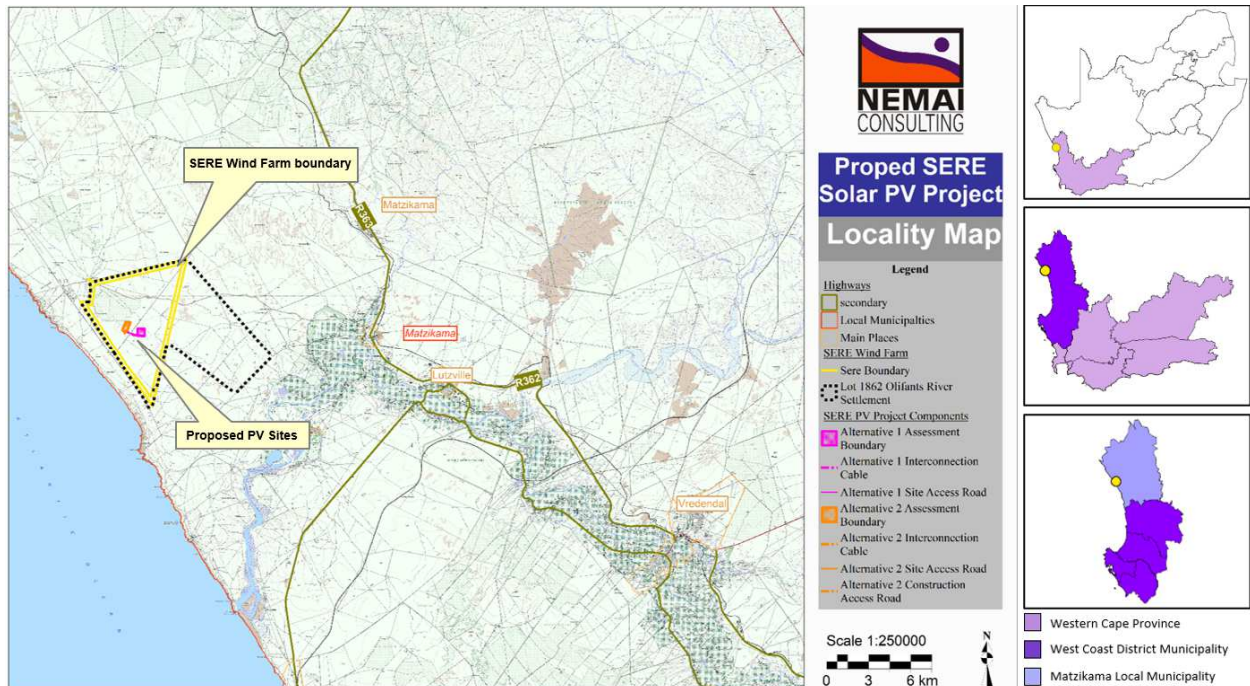


Figure 1: Locality map

The solar PV plant has a design life of a minimum of 25 years. The extension of the life of the plant will be considered when assessing the plant's economic viability to remain operational after its end of life.

The technical details of the proposed PV Plant are summarised in **Table 1** below.

Table 1: Technical details of the proposed PV Plant

No.	Component	Description / Dimensions
1.	Height of PV panels	Between 3 m to 6 m
2.	Area of PV Array	Around 16 ha to 18 ha
3.	Number of inverters required	Up to 20 inverter stations between the PV modules.
4.	Area occupied by inverter / transformer stations / substations	<ul style="list-style-type: none"> ▪ Area occupied by Inverter stations (20 Inverter stations 30m² each) = 0.003 x 20 = 0.09 ha (within the PV site) ▪ Area occupied by Control room/offices = 0.4 ha ▪ Area occupied by security house = 0.001 ha
5.	Capacity of existing substation	1 x 40 MVA, 22/132 kV
6.	Area occupied by both permanent and construction areas	Less than 20 ha

7.	Length of roads	<ul style="list-style-type: none"> ▪ Access road alternative 1 = 796m (tracking) / 880m (fixed) ▪ Access road alternative 2 = 30m (permanent) / 110m (construction) ▪ Internal roads to inverter stations = approximately 3.4km (alternative 1); 2km (alternative 2) ▪ Perimeter road = approximately 1.8km (both alternatives)
8.	Length of interconnection cable between PV site and substation	<ul style="list-style-type: none"> ▪ Alternative 1 = 1044m (tracking) / 1150m (fixed) ▪ Alternative 2 = 244m (tracking/fixe)
9.	Width of roads	<ul style="list-style-type: none"> ▪ Internal roads = 2.5 m to 5 m ▪ Access road = 8m (alternative 1) and 6m (alternative 2)
10.	Proximity to grid connection	<p>Approximately 1km from existing Skaapvlei Substation (Alternative 1)</p> <p>Approximately 200m from existing Skaapvlei Substation (Alternative 2)</p>
11.	Height and type of fencing	To be determined

Photovoltaic Panel Structures

The technology options considered for the PV array include the following:

- Fixed tilt structures with central inverters; or
- Single axis trackers with central inverters.

The decision between using the fixed or single axis tracking technology will only be made during the appointment of the Construction Contractor. For this reason, the technology options are not considered alternatives. The assessment site has been enlarged to accommodate both layouts for the fixed and tracking technologies, however each technology footprint itself will be less than 20 ha falling within the assessment site area. As confirmed with DFFE, the Department will provide a decision on the alternatives provided below within the assessment area for both fixed and single axis tracking technology, which will be chosen post-authorisation.

The alternatives considered are as follows:

- Alternative 1:
Sere PV Fixed and Tracking Technology Layout options for site location to the east of the existing Skaapvlei Substation.
- Alternative 2:
Sere PV Fixed and Tracking Technology Layout options for site location to the north of the existing Skaapvlei Substation.

The panel array (technology) layout options have different heights and spacing intervals; however, the total development footprint remains less than 20ha for each technology option. Approximate height differences between the alternatives are as follows:

- Fixed tilt structures and central inverters -
6m height;
- Single axis trackers, bifacial mono-crystalline modules and string inverters -
3.5m height.

Access Roads and Laydown Areas

The installation of the PV panels requires adequate access to the site by transport / delivery vehicles. A primary access road and internal secondary roads of gravel access is sufficient for the Project.

It is proposed to develop a new access point from the existing Wind Farm access road. From the Wind Farm access road, a main internal road will align to the PV Park facility from which the secondary internal roads branch off to align to the separate PV modules. The preferred option will have two site access roads, a temporary construction access road and a permanent road leading to the office buildings.

Each PV array requires its own access road next to it for construction, maintenance (and cleaning) and refurbishment. Although the existing on-site farm roads will be used as far as possible, the exact alignment and design of the required roads will be determined during detailed design phase.

Electrical Connection

The electricity generated by the PV site will be transferred to the national Eskom grid. The Project will connect to existing Skaapvlei Substation on the same property through a ±1.1km (Alternative 1) and 0.2 km (Alternative 2) single circuit underground line. The voltage of the energy generated by the Project will be transformed on site.

Office Buildings

The Solar PV plant is required to have a dedicated Operating and Maintenance building, and spares storage facilities. The Operating and Maintenance building to include the following rooms as a minimum:

- Control room (For employees to view status of plant equipment, air-conditioned)
- Server room (Air-conditioned room for sensitive electronic equipment)
- Ablution facilities (male and female)
- 2 x Offices
- Kitchen
- A security/access control building is to be positioned at the main gate of the PV Plant.
- Spares/Storeroom (for the storage of spare solar panels and electronic equipment)

The control room with regards to operator interface shall be designed to ergonomic principles and good Solar Power Plant practice.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?	<input type="checkbox"/>	NO X
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113? The Project falls within the Western Strategic Transmission Corridor, however the project is a Solar PV project, not a large-scale transmission and distribution project.	<input type="checkbox"/>	NO X
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011? (In the process of gazetting to be SIP)	YES X	<input type="checkbox"/>
Did you attached the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP	<input type="checkbox"/>	NO X

If **YES**, is selected:

- For an application in terms of GN 113 and/or 114, then a map confirming this must be attached;
- For a SIP project, kindly indicate which SIPs are applicable in **APPENDIX 5 and attach the** confirmation of SIP applications from the relevant sector representative in **APPENDIX 5**. Should no proof be provided, the application will be considered as a normal EIA Application.

Please indicate which sector the project falls under by ticking the relevant block in the table below:

Table 1: National Sector Classification in terms of Regulation 9 of the EIA Regulations, 2014 as amended

1	Infrastructure /Transport Services/Roads – Public	<input type="checkbox"/>	42	Services/Waste Management Services/Disposal facilities - General	<input type="checkbox"/>
2	Infrastructure /Transport Services/Roads – Private	<input type="checkbox"/>	43	Services/Waste Management Services/Treatment facilities - Hazardous	<input type="checkbox"/>
3	Infrastructure /Transport Services/Rail – Public	<input type="checkbox"/>	44	Services/Waste Management Services/Treatment facilities - General	<input type="checkbox"/>

4	Infrastructure /Transport Services/Rail – Private	45	Services/Waste Management Services/Storage Facilities - General
5	Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Commercial	46	Services/Waste Management Services/Storage Facilities - Hazardous
6	Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Private	47	Services/Waste Management Services/Storage Facilities - Nuclear
7	Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Public Services	48	Services/Burial and cemeteries - Cemeteries
8	Infrastructure /Transport Services - Ports	49	Services/Burial and cemeteries - Cremators
9	Infrastructure /Transport Services - Inland Waterways	50	Services/Water services/Storage - Dams
10	Infrastructure /Transport Services - Marina	51	Services/Water services/Storage - Reservoirs
11	Infrastructure /Transport Services - Canal	52	Services/Water services - Desalination
12	Infrastructure /Localised infrastructure - Infrastructure in the Sea/Estuary/Littoral Active Zone/Development Setback/100M Inland/or coastal public property.	53	Services/Water services - Treatment & Waste Water
13	Infrastructure /Localised infrastructure - Zip Lines & Foefie Slides	54	Services - Hospitality
14	Infrastructure /Localised infrastructure - Cableway or Funiculars	55	Mining - Prospecting rights
15	Infrastructure /Localised infrastructure – Billboards	56	Mining - Mining Permit
16	Infrastructure /Localised infrastructure/Storage/Dangerous Goods/Hydrocarbon - Gas	57	Mining - Mining Right
17	Infrastructure /Localised infrastructure/Storage/Dangerous Goods/Hydrocarbon - Petroleum	58	Mining/Exploration Right - Gas or Oil Marine
18	Infrastructure /Localised infrastructure/Storage/Dangerous good – Chemicals	59	Mining/Exploration Right - Gas or Oil Terrestrial

19	Utilities Infrastructure/Pipelines/water - Fresh/Storm Water		60	Mining/Production Right - Gas or Oil Marine
20	Utilities Infrastructure/Pipelines/water - Waste Water		61	Mining/Production Right - Gas or Oil Terrestrial
21	Utilities Infrastructure/Pipelines/Dangerous Goods - Chemicals		62	Mining/Underground gasification of coal - Oil
22	Utilities Infrastructure/Pipelines/Hydrocarbon – Petroleum		63	Mining/Beneficiation - Hydrocarbon
23	Utilities Infrastructure/Pipelines/Hydrocarbon - Gas		64	Mining/Beneficiation - Mineral
24	Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Tower		65	Agriculture/Forestry/ Fisheries - Crop Production
25	Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Mast		66	Agriculture/Forestry/ Fisheries - Animal Production
26	Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Receivers		67	Agriculture/Forestry/ Fisheries - Afforestation
27	Utilities Infrastructure - Marine Cables		68	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Alien
28	Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon – Petroleum		69	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Indigenous
29	Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon – Coal		70	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Alien
30	Utilities Infrastructure/Electricity /Generation/Non Renewable - Nuclear		71	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Indigenous
31	Utilities Infrastructure/Electricity /Generation/Renewable - Hydro		72	Agriculture/Forestry/ Fisheries - Agro-Processing
32	Utilities Infrastructure/Electricity /Generation/Renewable/Solar - PV	X	73	Transformation of land - Indigenous vegetation

33	Utilities Infrastructure/Electricity /Generation/Renewable/Solar - CSP	74	Transformation of land - From open space or Conservation
34	Utilities Infrastructure/Electricity /Generation/Renewable - Wind	75	Transformation of land - From agriculture or afforestation
35	Utilities Infrastructure/Electricity /Generation/Renewable - Biomass/ biofuels	76	Transformation of land - From mining or heavy industrial areas
36	Utilities Infrastructure/Electricity /Generation/Renewable - Wave	77	Any activities within or close to a watercourse
37	Utilities Infrastructure/Electricity /Distribution and Transmission - Power line	78	Any activity in an estuary, on the seashore, in the littoral active zone, or in the sea.
38	Utilities Infrastructure/Electricity /Distribution and Transmission – Substation	79	Activity requiring permit or licence in terms of National or Provincial legislation governing the release or generation of emissions - Emissions
39	Utilities Infrastructure/Gas /Distribution and Transmission – Compressor Station	80	Activity requiring permit or licence - Marine Effluent
40	Services/Waste Management Services/Disposal facilities - Hazardous	81	Activity requiring permit or licence - Fresh Water Effluent
82	Release of Genetically Modified Organisms		

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.	NO X
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:	

6. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province/s	Western Cape Province
District Municipality/ies	West Coast District Municipality
Local Municipality/ies	Matzikama Local Municipality

Ward number/s	Ward 8
Nearest town/s	Koekenaap
Farm name/s and number/s	Olifants River Settlement
Portion number/s	Lot 1862

Surveyor General 21 digit code:

(If there are more than 4, please attach a list with the rest of the codes as **APPENDIX 6**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **APPENDIX 6**.)

C	0	7	8	0	0	0	7	0	0	0	0	1	8	6	2	0	0	0	0	0
1	2	3	4	5																

Locality map:	<p>A locality map must be attached to the application form, as APPENDIX 7. The scale of the locality map must be at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map. The map must include the following:</p> <ul style="list-style-type: none"> • an accurate indication of the project site position as well as the positions of the alternative sites, if any; • road names or numbers of all the major roads as well as the roads that provide access to the site(s) • a north arrow; • a legend; • the prevailing wind direction; • site sensitivities, including but not limited to vegetation, wetlands, watercourses, heritage sites, critical biodiversity area/s, World Heritage Site, etc. and it must be overlaid by the study area; and • GPS co-ordinates (Indicate the position of the proposed activity with the latitude and longitude at the centre point for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should be to at least three decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection)
Project Plan (e.g. Gantt chart)	<p>A project schedule must be submitted as APPENDIX 8, and must include milestones for:</p> <ul style="list-style-type: none"> • public participation (dates for advertisements, workshops and other meetings, obtaining comment from organs of state including state departments); • the commencement of parallel application processes required in terms of other statutes and where relevant, the alignment of these application processes with the EIA process; • the submission of the key documents (e.g. Basic Assessment Report, Scoping Reports, EIA Reports and Environmental Management Programmes). <p>Note: All the above dates must take into account the statutory timeframes for authority responses that are stipulated in the 2014 NEMA EIA Regulations. Possible appeals may impact on project timeframes/milestones. Regulation 45 states that “An application in terms of these Regulations lapses, and a competent authority will deem the application as having lapsed, if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless extension has been granted in terms of regulation 3(7).” It is recommended that the Department be approached for guidance on the process to be followed, prior to submitting an application.</p>

7. ACTIVITIES APPLIED FOR

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be provided below.

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
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Activity 1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where— (i) the electricity output is more than 10 megawatts but less than 20 megawatts	Development of a solar PV plant consisting of approximately 20,000 – 65,000 solar PV modules and total installed power capacity of up to 19.9 MW.
Activity 11(i)	The development of facilities or infrastructure for the transmission and distribution of electricity— (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or (ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more; excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is — (a) temporarily required to allow for maintenance of existing infrastructure; (b) 2 kilometres or shorter in length; (c) within an existing transmission line servitude; and (d) will be removed within 18 months of the commencement of development.	Electrical interconnection line(s), with capacity of 22kV – 33kV/132kV, for evacuation of power from the Solar PV facility to the 22/132 kV Skaapvlei substation
Activity 27	The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for— (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	Development of a solar PV plant and associated infrastructure (e.g. offices, maintenance buildings, guard house, inverters, construction laydown area and batching plant) with a footprint of more than 1 hectare but less than 20 hectares.
Activity 28	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;	The current Wind Farm site is zoned as Agriculture and has been used on an ad hoc basis for grazing of sheep.
Activity No(s):	Provide the relevant Scoping and EIA Activity(ies) as set out in Listing Notice 2 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
Activity 4(i) - (ii)(aa)	The development of a road wider than 4 metres with a reserve less than 13,5 metres. i. Western Cape ii. Areas outside urban areas; (aa) Areas containing indigenous vegetation;	A number of roads will be constructed as unsurfaced roads in association with the development across indigenous vegetation: <ul style="list-style-type: none"> • Access road alternative 1 = 796m (tracking) / 880m (fixed) • Access road alternative 2 = 30m (permanent) / 110m (construction) • Internal roads* to inverter stations = approximately 3.4km (alternative 1); 2km (alternative 2) • Perimeter road* = approximately 1.8km (both alternatives) *To note is that the internal and perimeter roads fall under clearance of indigenous

		vegetation under Activity 27 above. Only the access roads will constitute a new footprint outside the PV site.
Activity 10 (i) (ii)	The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres. i. Western Cape ii. All areas outside urban areas;	Information on the actual amount of diesel that will be stored on site during construction by the contractor is unknown. There is a potential for the 30m ³ threshold to be exceeded, but not 80m ³ .
Activity 12(i) (ii)	The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. i. Western Cape ii. Within critical biodiversity areas identified in bioregional plans;	More than 300m ³ of indigenous vegetation will be cleared within a CBA1 according to the Western Cape Biodiversity Spatial Plan 2017: <ul style="list-style-type: none"> • Alternative 1 – the entire PV site, access road and interconnection cable falls within a CBA1. • Alternative 2 – a small portion of the southern section of the PV site (458m²) and the access road and interconnection cable fall within a CBA1.

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Only those activities listed above shall be considered for authorisation. The onus is on the applicant to ensure that all applicable listed activities are included in the application. Environmental Authorisation must be obtained prior to commencement with each applicable listed activity.

Coordinate points indicating the location of each listed activity must be provided as part of **APPENDIX 6** as well part of the reports to be submitted. Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system.

8. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of the EIA Regulations, 2014 as amended.

The purpose of public participation includes the following:

1. To provide I&APs with an opportunity to obtain information about the Project;
2. To allow I&APs to express their views, issues and concerns with regard to the Project;
3. To grant I&APs an opportunity to recommend measures to avoid or reduce adverse impacts and enhance positive impacts associated with the Project; and
4. To enable the Applicant to incorporate the needs, concerns and recommendations of I&APs into the Project, where feasible.

The public participation process for the proposed Project is governed by NEMA and GN No. R 982 of 4 December 2014 (as amended). **Figure 2** below outlines the public participation process for the Basic Assessment.

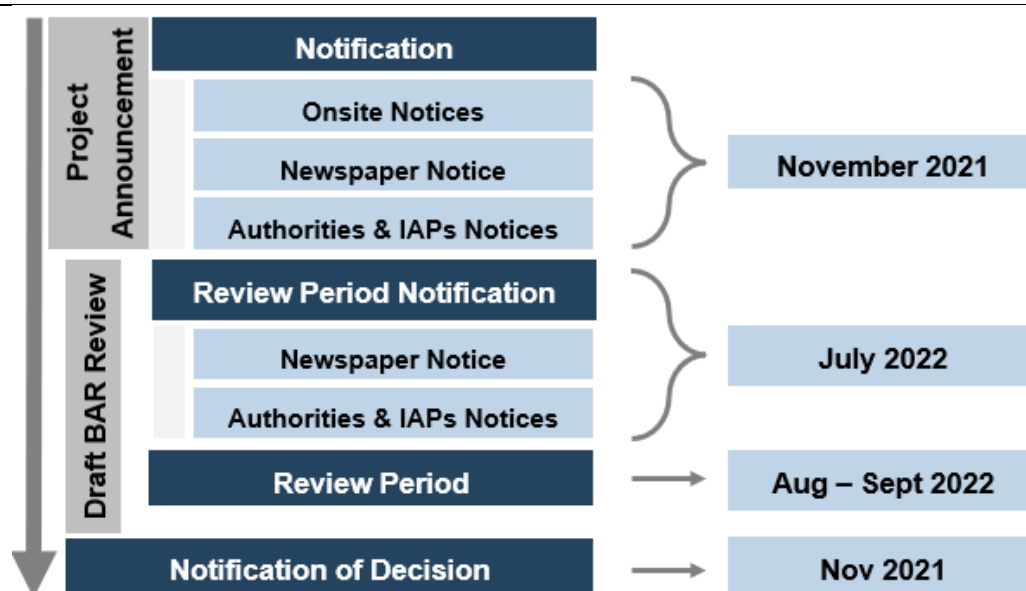


Figure 2: Locality map

A Public Participation Plan for the Basic Assessment for the proposed Project was compiled in terms of the abovementioned Directions, which was submitted to DFFE and subsequently approved by this Department. Although it is noted that this requirement has been removed following the removal of the Covid 19 Regulations.

Upfront project announcement will be undertaken, prior to the submission of the Application to DFFE.

Nemai Consulting will undertake the following tasks during project announcement:

- Compile a database of authorities and I&APs.
- Provide written notices to I&APs by –
 - (a) Fixing notice boards at places conspicuous to and accessible by the public at the Sere Wind Farm property and at strategic points in the surrounding area;
 - (b) Giving written notice to-
 - (i) The occupiers and owners of the sites where the activity is to be undertaken;
 - (ii) Owners, persons in control of, and occupiers of land adjacent to the site where the activity is or is to be undertaken, as relevant;
 - (iii) The Municipal Councillor of the affected municipal Ward;
 - (iv) Formal organisations or groups in the area;
 - (v) The Matzikama Local Municipality and West Coast District Municipality, which have jurisdiction in the area;
 - (vi) Any organ of state having jurisdiction in respect of any aspect of the activity; and
 - (vi) Any other party as required by DFFE.
 - (c) Place an advert in a local newspaper –
 - (i) The Ward Councillor will be consulted on the most appropriate newspaper publication in which to advertise.
 - (d) A Background Information Document (BID) will be distributed to direct and adjacent landowners, IAPs, Stakeholders, and Authorities.
 - (e) Focus group meetings will be held during the Announcement Phase with identified parties where applicable or requested by such parties. Engagements will be conducted via virtual meeting platforms as far as possible.
 - (f) A Comments and Response Reports (CRR) will be compiled and updated throughout the process. All comments received will be included in the CRR, which will be appended to the Draft BAR.

A database of I&APs, which includes authorities, different spheres of government (national, provincial and local), parastatals, ward councillors, stakeholders, landowners (where information was available), interest groups and members of the general public, was prepared for the Project.

The Draft BAR will be made available to the IAPs, Authorities, and Stakeholders for a 30-day review period. Authorities and registered I&APs will be notified in writing of the review of the Draft BAR. All notifications will be sent via email and/or as registered mail. In addition, a newspaper notice/advert will be published. The notification will include a virtual meeting invitation.

Authorities and I&APs will be provided 30 days to comment on the Draft BAR. All comments received during the review period will be compiled within a Comments and Response Report (CRR), which will be submitted with the Final BAR to the DFFE along with proof of the public participation process.

According to Regulation 39(1) of GN No. R 982 of 4 December 2014 (as amended), if the proponent is not the owner or person in control of the land on which the activity is to be undertaken, the proponent must, before applying for an Environmental Authorisation in respect of such activity, obtain the written consent of the landowner or person in control of the land to undertake such activity on that land. This requirement does not apply inter alia for linear developments (e.g. pipelines, power lines, roads, etc.) or if it is a SIP as contemplated in the Infrastructure Development Act, 2014. The proposed PV project does not require landowner consent since the Applicant is the landowner.

Registered I&APs will be notified after having received written notice from DFFE (in terms of NEMA) on the final decision for the Project. The notification will include the appeal procedure to the decision and key reasons for the decision.

9. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		YES X	
If YES, please indicate the following:			
Competent Authority	DFFE		
Application Reference Number	<ul style="list-style-type: none"> 12/12/20/913 14/12/16/3/3/1/2065 		
Project Name	<ul style="list-style-type: none"> Proposed Construction of a Wind Energy Facility and Associated Infrastructure – 12/12/20/913 Development of the 320MWh Skaapvlei Substation Battery Energy Storage Facility – 14/12/16/3/3/1/2065 		
Please provide details of the steps taken to ascertain this information:			
To note is that these Applications have been Authorised and were provided by Eskom to the EAP.			

IF YES IS SELECTED, PLEASE ATTACH OTHER AUTHORISATIONS ISSUED.

Applications in terms of the National Environmental Management Act (“NEMA”) & specific environmental management Acts (“SEMA’s”):

LEGISLATION	AUTHORISATION REQUIRED	APPLICATION SUBMITTED
Is Section 50(5) of the National Environmental Management: Protected Areas Act applicable to your proposed development? (The proposed development is within a proclaimed protected area as defined the Act.)	NO X	
National Water Act (Act No. 36 of 1998)	NO X	
National Environmental Management: Air Quality Act (Act No. 39 of 2004)	NO X	
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	NO X	

National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)		NO X	
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)		NO X	
National Environmental Management: Waste Act (Act No. 59 of 2008)		NO X	
Others: Please specify Section 38 of the National Heritage Resources Act (Act No. 25 of 1999)	YES X		YES X



Please be advised that:

- If a Waste Management license is required in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System. An IPS application can only be lodged with this Department in the event that this Department is the Competent Authority for both the EIA and Waste related activities;**
- If Sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act is applicable to your proposed development, you are required to obtain pre-approval for a reclamation application prior to an Application for Environmental Authorisation being lodged with the Competent Authority;
- If Section 50(5) of the National Environmental Management: Protected Areas Act is applicable to your proposed development, you are required to obtain approval from the Management Authority prior to an Application for Environmental Authorisation being lodged with the Competent Authority; and
- If Section 38 of the National Heritage Resources Act (Act No. 25 of 1999) is applicable to your proposed development, you are requested to submit the Notice of Intent form to the relevant SAHRA or a Provincial Heritage Resources Authority and attach a copy to this form. If it is indicated that a Heritage Impact Assessment will be required, the Heritage Impact Assessment must be undertaken as one of the specialist studies of the EIA process to be undertaken in terms of the NEMA EIA Regulations, 2014, as amended.

10. LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Copy of the pre-application meeting minutes	YES X	
APPENDIX 2	Proof of Payment / Motivation for exclusion	YES X	
APPENDIX 3	List of land owners (with contact details) and written consent of land owners.		NO X
APPENDIX 4	List of Local/Provincial Authority involved (with contact details)	YES X	
APPENDIX 5	Strategic Infrastructure Projects (In the process of gazetting to be SIP)		NO X
APPENDIX 6	List of SGIDs and coordinates	YES X	
APPENDIX 7	Locality map	YES X	
APPENDIX 8	Project schedule	YES X	
APPENDIX 9	Declaration of Applicant	YES X	
APPENDIX 10	Declaration of EAP and undertaking under oath or affirmation	YES X	
APPENDIX 11	Screening Tool Report	YES X	
APPENDIX 12	Undertaking under Oath / Affirmation	YES X	

APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES

	DRAFT MINUTES Pre-Application Meeting with the Department of Forestry, Fisheries and the Environment (DFFE)	Queries:	Jacqui Davis ☎ 011 781 1730 ☎ 011 781 1731 ✉ JacquiD@nema.co.za
Applicant:		Project Name:	Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure, Western Cape Province
Date:	28 October 2021	Time:	09:00 – 10:00
Facilitator:	J. Davis	Venue:	Microsoft Teams Meeting

A. Attendance**Present**

Attendees	Organisation	Email
Zama Lange	Department of Forestry, Fisheries and the Environment (DFFE)	ZLanga@environment.gov.za
Dr. Danie Smit	DFFE	Dsmit@environment.gov.za
Juliet Mahlangu	DFFE	JMMahlangu@environment.gov.za
Mpho Muswubi	Eskom	MuswubMD@eskom.co.za
Isaac Blou	Eskom	BlouGI@eskom.co.za
Mbali Mtshali	Eskom	MtshaliM@eskom.co.za
Jacqui Davis	Nemai Consulting (Pty) Ltd	jacquid@nema.co.za

Apologies

Vusi Skosana

B. Discussion

Note: These minutes are not intended as a verbatim transcript of the meeting, but rather as a summary of the salient discussions which took place.

Item.	Description	Action	Target Date
1.	WELCOME AND INTRODUCTION		
1.1	The Pre-Application Meeting with the DFFE for the proposed development of the Eskom Sere Solar PV Plant Phase 1A Project in the Western Cape Province commenced at approximately 09H00. J. Davis acted as the facilitator for the meeting and requested a round of introductions.	-	-
2.	PURPOSE OF THE MEETING		
2.1	J. Davis indicated that the objectives of the meeting included the following: <ul style="list-style-type: none"> To present an overview of the Sere Solar PV Project to DFFE; To seek clarification regarding certain matters that pertain to the Basic Assessment Process; 	-	-

Item.	Description	Action	Target Date
	<ul style="list-style-type: none"> To determine DFFE's requirements; and To confirm the process and timeframes. 		
3	CONFIRMATION OF AGENDA		
3.1	The agenda was accepted without any amendments.	-	-
4.	PROJECT OVERVIEW		
4.1	J. Davis provided an overview of the proposed Project (refer to the presentation contained in Appendix A).	-	-
5.	BASIC ASSESSMENT PROCESS		
5.1	Listed Activities		
5.1.1	<p>J. Davis provided an overview of the listed activities in Listing Notices 1 and 3 of the EIA Regulations of 2014 (as amended) that are thought to be triggered by the proposed Project. The following listed activities were presented:</p> <ul style="list-style-type: none"> GN 983 – Activity 1(i) GN 983 – Activity 11(i) GN 983 – Activity 27 GN 983 – Activity 28 GN 985 – Activity 4 GN 985 – Activity 10 GN 985 – Activity 12 <p>No additional listed activities were put forward by DFFE.</p>	-	-
5.2	Process Outline & Timeframes		
5.2.1	J. Davis presented the approach to the Basic Assessment Process (refer to the diagram on slide 12 in the presentation contained in Appendix A).	-	-
5.2.2	J. Davis indicated that as part of public participation during the Announcement Phase, site notices and newspaper notices will be placed, and a Background Information Document and Reply Form will be emailed to stakeholders. This will allow for the upfront registration of Interested and Affected Parties (I&APs). She noted that this will take place prior to the submission of the Application Form and draft Basic Assessment Report (BAR) to DFFE.	-	-
5.2.3	J. Davis presented the programme for the Basic Assessment Process. She indicated that the project may fall within Strategic Infrastructure Program number 8 (SIP 8) and therefore DFFE would have a reduced decision-making period, which would be taken into consideration in the programme once confirmed.	-	-
5.2.4	<p>Z. Lange from DFFE stated that a confirmation letter from the SIP 8 coordinator would be required, and that the letter must be submitted at the latest with the final Basic Assessment Report to the DFFE. She further asked whether Nema1 or Eskom had the contact details of the relevant SIP coordinator.</p> <p>M. Muswubi from Eskom confirmed that Eskom were aware of who the SIP coordinator was and that a letter would be obtained for inclusion in the application.</p>	Eskom	TBC
5.3	Public Participation Plan		

Item.	Description	Action	Target Date
5.3.1	<p>J. Davis stated that a Public Participation Plan (PPP) will be compiled for the Basic Assessment Process, in terms of the following:</p> <ul style="list-style-type: none"> The Directions regarding measures to address, prevent and combat the spread of COVID-19 relating to National Environmental Management Permits and Licences, as published in Government Notice No. 650 of 5 June 2020; and Chapter 6 of the EIA Regulations of 2014, as amended. <p>She indicated that the PPP would include the strategy to be employed for engaging with the stakeholders. The PPP will be submitted to DFFE for review and approval.</p>	Nemai Consulting	TBC
5.4	Approach to Public Participation		
5.4.1	<p>J. Davis discussed the approach to public participation in terms of the following:</p> <ul style="list-style-type: none"> Undertaking upfront announcement; Convening focus group meetings where applicable or requested; and Engaging with the local ward councillor. <p>Public Participation would be undertaken according to a DFFE approved public participation plan.</p>	-	-
5.5	Alternatives		
5.5.1	<p>J. Davis indicated that Eskom had explored three alternative site locations within the Sere Wind Farm site during the feasibility study, and that Eskom had selected Site A given its proximity to the existing Skaapvlei substation. She noted that alternatives for internal layout, access road route, and interconnection cable routes will be considered (refer to the images of alternatives on slide 18 in the presentation contained in Appendix A).</p>	-	-
5.6	Specialist Studies		
5.6.1	<p>J. Davis indicated that the following specialist studies were identified to assess the Project:</p> <ul style="list-style-type: none"> Terrestrial Ecological Impact Assessment; Avifauna Impact Assessment; Avifauna Impact Assessment; and Desktop Paleontological Impact Assessment. <p>She noted that various studies will be incorporated where applicable and still relevant from the 2007/2008 Sere Wind Farm Environmental Impact Assessment process, these include inter alia:</p> <ul style="list-style-type: none"> Phase 1 Heritage Impact Assessment; Agricultural Potential Study 	-	-
5.6.2	<p>Z. Lange stated that the older specialist studies could be used in the current application provided that each study to be used is reviewed by the specialist and a professional opinion in the form of a letter stating that study is still relevant is included with the study in the application.</p>	Nemai Consulting	TBC
6.	DFFE's Requirements / General		

Item.	Description	Action	Target Date
6.1	Z. Langa confirmed that Juliet Mahlangu was the DFFE appointed Case Officer for the project, and that minutes of the meeting and all other correspondence should be sent to J. Mahlangu.	Nemai Consulting	TBC
7.	CLOSE		
7.1	The meeting was concluded at approximately 09h40.	-	-

Minutes Compiled By:

Nemai Consulting

J. Davis

Date

Minutes Accepted By:

DFFE

J. Mahlangu

Date



**APPENDIX 2
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**



Ms. M Solomons
Acting Chief Director: Integrated Environmental Authorizations
Department of Forestry, Fisheries and the Environment
Private Bag X447
PRETORIA
0001

Date:
28 July 2022

Enquiries: Mpho Muswubi
Tel +27 82 593 3339
Mpho.muswubi@eskom.co.za

Ref No: GEM22-L285

Dear Ms Solomons

**MOTIVATION FOR FEE APPLICATION EXCLUSION MADE BY AN ORGAN OF STATE:
SERE SOLAR PHOTOVOLTAICS BASIC ASSESSMENT APPLICATION.**

Eskom hereby confirms that it is a State-Owned Company and the company is excluded from paying the application fees for the Environmental Authorization and Amendments in terms of regulation 3 of "National Environmental Management Act, 1998 (Act no. 107 of 1998) Fees for consideration and processing of applications for Environmental Authorisations and Amendments thereto" which were published on 28 February 2014 in the Government Gazette No.37383.

Eskom was established in South Africa in 1923 as the Electricity Supply Commission. In July 2002, it was converted into a public, limited liability company, wholly owned by government. The constitutional definition of 'organ of state' makes it clear that other institutions and functionaries are organs of state on the basis of what they are and others by virtue of the functions they are engaged in.

Eskom is one of the top 20 utilities in the world by generation capacity (net maximum self-generated capacity: 41 194MW). Eskom generates approximately 95% of the electricity used in South Africa and approximately 45% of the electricity used in Africa. Eskom directly provides electricity to about 45% of all end-users in South Africa. The other 55% is resold by redistributors (including municipalities).

Eskom applies for exclusion from payment of the fees applicable to this Basic Assessment application since it is a State-Owned Company.

Yours Sincerely

Deidre Herbst
GENERATION ENVIRONMENTAL MANAGER
Date: 29 July 2022

**APPENDIX 3
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

The proposed development location is within the existing SERE Wind Farm Facility, which is owned by the Applicant, Eskom Holdings SOC Ltd.

Therefore, no landowner consent is required.

APPENDIX 4
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED

Provincial Environmental Authority:	Western Cape Department of Environmental Affairs and Development Planning		
Name of contact person:	Adri La Meyer		
Postal address:	Private Bag X6509, George		
Postal code:	6530	Cell:	
Telephone:	021 483 2887	Fax:	
E-mail:	Adri.LaMeyer@westerncape.gov.za		

Local Municipality:	Matzikama Local Municipality		
Name of contact person in (Environmental Section)	Ruben Saul (Municipal Environmental Manager)		
Postal address:	PO Box 98, Vredendal		
Postal code:	8160	Cell:	
Telephone:	027 201 3338	Fax:	
E-mail:	rubens@matzikama.gov.za		

**APPENDIX 5
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng.
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA’s main industrial hubs • Improve access to Durban’s export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport.
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province.
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation.
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>
<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>
<p>SIP 8: Green energy in support of the South African economy</p> <p>Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p>

<p>Indicate capacity in MW:</p> <p>SIP 9: Electricity generation to support socioeconomic development Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p>
<p>Indicate capacity in MW:</p> <p>SIP 10: Electricity transmission and distribution for all Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>
<p>SIP 11: Agri-logistics and rural infrastructure Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>
<p>SIP 12: Revitalisation of public hospitals and other health facilities Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>
<p>SIP 13: National school build programme A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>
<p>SIP 14: Higher education infrastructure Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>
<p>SIP 15: Expanding access to communication technology Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>
<p>SIP 16: SKA & Meerkat SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>
<p>SIP 17: Regional integration for African cooperation and development Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p>

The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term. All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.

SIP 18: Water and sanitation infrastructure

A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.

The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.

SIP 19: Water and Sanitation

- a. Vaal River System including Phase 2 of the Lesotho Highlands Water Project: Gauteng
- b. Phase 2A of the Mokolo Crocodile River (West) Augmentation Project: Limpopo
- c. uMkhomazi Water Project: KwaZulu Natal
- d. Olifants River Water Resource Development Project - Phase 2: Limpopo
- e. Vaal-Gamagara: Northern Cape
- f. Mzimvubu Water Project: Eastern Cape
- g. Rehabilitation of the Vaalharts-Taung Irrigation Scheme: Northern Cape & North West
- h. Groot Letaba River Water Development Project - Nwamitwa Dam: Limpopo
- i. Berg River Voëlvele Augmentation Scheme: Western Cape
- j. Rustfontein Water Treatment Works: Free State
- k. Orange-Riet Canal Increase of Bulk Raw Water Supply: Free State

SIP 20: Energy

- a. Emergency/Risk Mitigation Power Purchase Procurement Programme (2000MW): National
- b. Small IPP Power Purchase Procurement Programme (100MW): National
- c. Embedded Generation Investment Programme (EGIP)-400MW: National

SIP 21: Transport

- a. N1 Windburg Interchange to Windburg Station: Free State
- b. N1 Musina Ring Road: Limpopo
- c. N1 Polokwane Eastern Ring Rd Phase 2: Limpopo
- d. N1 Ventersburg to Kroonstad: Free State (2 projects in One)
- e. N2 Mtunzini Toll Plaza to Empangeni T-Junction: KwaZulu Natal. N3 Cato Ridge to Dardanelles: KwaZulu Natal
- g. N3 Dardanelles to Lynnfield Park: KwaZulu Natal
- h. N3 Paradise Valley to Mariannhill Toll Plaza: KwaZulu Natal
- i. N2 Edwin Swales to South of EB Cloete Interchange: KwaZulu Natal
- j. N3 Ashburton Interchange to Murray Road: KwaZulu Natal
- k. N3 Mariannhill Toll Plaza to Key Ridge: KwaZulu Natal
- l. N2 EB Cloete Interchange: KwaZulu Natal
- m. Small Harbours Development: National
- n. N3 New alignment via De Beers Pass: Free State
- o. Boegoebaai Port and Rail Infrastructure Project: Northern Cape

SIP 22: Digital Infrastructure

- a. National Spatial Infrastructure Hub

SIP 23: Agriculture and Agro-processing

- a. Marine Tilapia Industry: Eastern Cape
- b. Natural Dehydrated Foods: Mpumalanga

SIP 24: Human Settlements

- a. Greater Cornubia: KwaZulu-Natal
- b. Vista Park II & III: Free State

c. Lufhereng: Gauteng
d. Malibongwe Ridge: Gauteng
e. N2 Nodal Development: Eastern Cape
f. Matlosana N12 West: North West
g. Green Creek: Gauteng
h. Mooikloof Mega Residential City: Gauteng
i. Fochville Extension 11: Gauteng
j. Germiston Ext 4 Social Housing Project: Gauteng
k. Newcastle Hospital Street Social Housing Project: KwaZulu Natal
l. Hull Street Social Housing Project Phase 1: Northern Cape
m. Kwandokuhle Social Housing Project: Mpumalanga
n. Phola Heights - Tembisa Social Housing Project: Gauteng
o. Sondela Phase 2: Gauteng
p. Willow Creek Estate: Mpumalanga
q. Joe's Place Social Housing: Gauteng
r. Jeppetown Social Housing Project (Unity House): Gauteng
SIP 25: Rural Bridges "Welisizwe" Programme
SIP 26: Rural Roads Upgrade Programme
SIP 27: Upgrading and Repair of Township Roads in Municipalities Programme
SIP 28: PV and Water Savings on Government Buildings Programme
SIP 29: Comprehensive Urban Management Programme
SIP 30: Digitising of Government Information Programme
SIP 31: Removal of Alien Vegetation and Innovative Building Materials Programme
SIP 32: National Upgrading Support Programme (NUSP)
SIP 33: Solar Water Initiatives Programme
SIP 34: Student Accommodation
SIP 35: SA Connect Phase 1B Programme
SIP 36: Salvokop Precinct

PLEASE ATTACH PROOF FROM THE RELEVANT SIP CO-ORDINATOR FOR EACH OF THE SIP PROJECT SELECTED.

In the process of gazetting to be SIP, thus proof not available as yet.

APPENDIX 6
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES / COORDINATES OF LISTED ACTIVITIES

Table 3: Details of the Project's PV Site (property and coordinates)

Farm Details	21-digit Surveyor General No.	MLM Ward	Coordinates of site assessed	Geographical land area (site extent assessed) ^a	Area to be Developed (of ^a)
PV Site					
Lot 1862 Olifants River Settlement	C07800070000186200000	8	Approximate centre point: 31°31'22.10"S 18° 7'2.31"E	25 ha	Not exceeding 20 ha

Note that the associated infrastructure including access road and interconnection line/cable fall within the same property.

Table 4: Corner coordinates of the Site Boundaries for Alternative 1

Coordinates	
Fixed Technology	
Site Boundary*	
NW corner:	31°31'14.65"S; 18° 6'56.22"E
NE corner:	31°31'14.99"S; 18° 7'11.61"E
SE corner:	31°31'30.95"S; 18° 7'11.12"E
SW corner:	31°31'30.60"S; 18° 6'55.73"E
Tracking Technology	
Site Boundary*	
NW corner:	31°31'17.32"S; 18° 6'52.94"E
NE corner:	31°31'17.74"S; 18° 7'11.53"E
SE corner:	31°31'30.95"S; 18° 7'11.12"E
SW corner:	31°31'30.53"S; 18° 6'52.53"E
Overall Site Extent Assessed ^a	
NW corner:	31°31'14.04"S; 18° 6'53.04"E
NE corner:	31°31'14.46"S; 18° 7'11.62"E
SE corner:	31°31'30.95"S; 18° 7'11.12"E
SW corner:	31°31'30.53"S; 18° 6'52.53"E
Site Centre Point	
Centre Coordinates	31°31'22.091"S; 18°7'1.8675"E

*Within the overall site extent assessed (^a)

Table 5: Corner coordinates of the Site Boundaries for Alternative 2

Coordinates	
Fixed Technology	
Site Boundary*	
NW corner:	31°30'59.73"S; 18° 6'21.70"E
NE corner:	31°30'60.00"S; 18° 6'33.60"E
SE corner:	31°31'18.68"S; 18° 6'24.97"E
SE bend:	31°31'18.61"S; 18° 6'21.33"E
S corner:	31°31'22.04"S; 18° 6'17.49"E
SW corner:	31°31'18.41"S; 18° 6'13.07"E
Tracking Technology	
Site Boundary*	
NW corner:	31°31'0.23"S; 18° 6'20.77"E
NE corner:	31°31'0.50"S; 18° 6'32.62"E
NE bend:	31°31'2.34"S; 18° 6'32.57"E
SE corner:	31°31'18.77"S; 18° 6'24.98"E
SE bend:	31°31'18.69"S; 18° 6'21.25"E
S corner:	31°31'22.03"S; 18° 6'17.49"E
SW corner:	31°31'18.51"S; 18° 6'13.17"E
SW bend:	31°31'16.55"S; 18° 6'13.23"E
Overall Site Extent Assessed ^a	
NW corner:	31°30'59.6999"S; 18°6'20.8491"E
NE corner:	31°30'59.9969"S; 18°6'33.5984"E
SE bend:	31°31'18.7403"S; 18°6'24.98"E
SE corner:	31°31'30.95"S; 18° 7'11.12"E
SE bend:	31°31'18.6748"S; 18°6'21.2724"E
S corner:	31°31'22.0404"S; 18°6'17.4895"E
SW corner:	31°31'18.4357"S; 18°6'13.0374"E
SW bend:	31°31'16.5677"S; 18°6'13.2102"E
Site Centre Point	
Centre Coordinates	31°31'9.5918"S; 18°6'22.1182"E

*Within the overall site extent assessed (a)

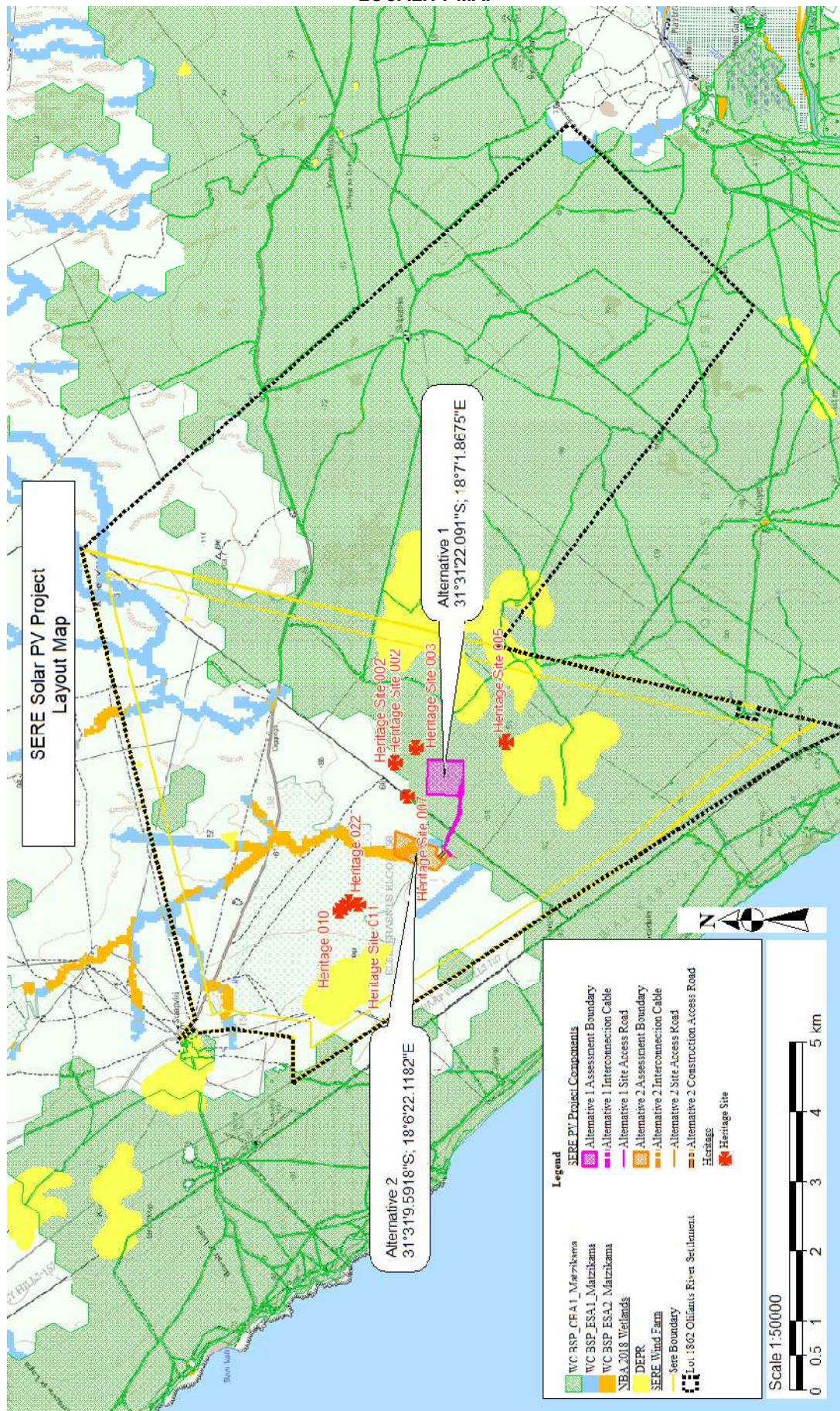
Table 6: Coordinates of the Project's Power Line/Cable

Coordinates		
Fixed Technology		
Cable Route	Alternative 1	Alternative 2
Start point (PV Site):	31°31'29.05"S; 18° 6'55.85"E	31°31'20.57"S; 18° 6'18.74"E
Bend point:	31°31'29.00"S; 18° 6'52.69"E	31°31'21.65"S; 18° 6'18.64"E
Bend point:	31°31'29.53"S; 18° 6'52.66"E	31°31'22.15"S; 18° 6'18.73"E
Bend point:	31°31'29.32"S; 18° 6'43.07"E	31°31'23.59"S; 18° 6'20.50"E
Bend point:	31°31'22.14"S; 18° 6'25.41"E	31°31'25.33"S; 18° 6'18.97"E
Bend point:	31°31'22.37"S; 18° 6'23.89"E	
Bend point:	31°31'26.74"S; 18° 6'18.81"E	
End point (Substation):	31°31'27.80"S; 18° 6'20.17"E	31°31'26.89"S; 18° 6'20.56"E
Tracking Technology		
Cable Route	Alternative 1	Alternative 2
Start point (PV Site):	31°31'29.53"S; 18° 6'52.55"E	31°31'20.57"S; 18° 6'18.74"E
Bend point:	31°31'29.32"S; 18° 6'43.07"E	31°31'21.65"S; 18° 6'18.64"E
Bend point:	31°31'22.14"S; 18° 6'25.41"E	31°31'22.15"S; 18° 6'18.73"E
Bend point:	31°31'22.37"S; 18° 6'23.89"E	31°31'23.59"S; 18° 6'20.50"E
Bend point:	31°31'26.74"S; 18° 6'18.81"E	31°31'25.33"S; 18° 6'18.97"E
End point (Substation):	31°31'27.80"S; 18° 6'20.17"E	31°31'26.89"S; 18° 6'20.56"E

Table 7: Coordinates of the Project's Access Roads

Coordinates			
Fixed Technology			
Access Road Route	Alternative 1 Access Road (Permanent)	Alternative 2 Access Road (Permanent)	Alternative 2 Construction Road (Temp)
Start point (PV Site):	31°31'29.31"S; 18° 6'55.80"E	31°31'21.20"S; 18° 6'18.42"E	31°31'19.92"S; 18° 6'19.87"E
Bend point:	31°31'28.98"S; 18° 6'43.58"E		
End point (Existing Road):	31°31'21.31"S; 18° 6'24.35"E	31°31'21.88"S; 18° 6'19.18"E	31°31'22.47"S; 18° 6'22.75"E
Tracking Technology			
Access Road Route	Alternative 1 Access Road (Permanent)	Alternative 2 Access Road (Permanent)	Alternative 2 Construction Road (Temp)
Start point (PV Site):	31°31'29.32"S; 18° 6'52.57"E	31°31'21.20"S; 18° 6'18.42"E	31°31'19.92"S; 18° 6'19.87"E
Bend point:	31°31'28.98"S; 18° 6'43.58"E		
End point (Existing Road):	31°31'21.31"S; 18° 6'24.35"E	31°31'21.88"S; 18° 6'19.18"E	31°31'22.47"S; 18° 6'22.75"E

APPENDIX 7 LOCALITY MAP



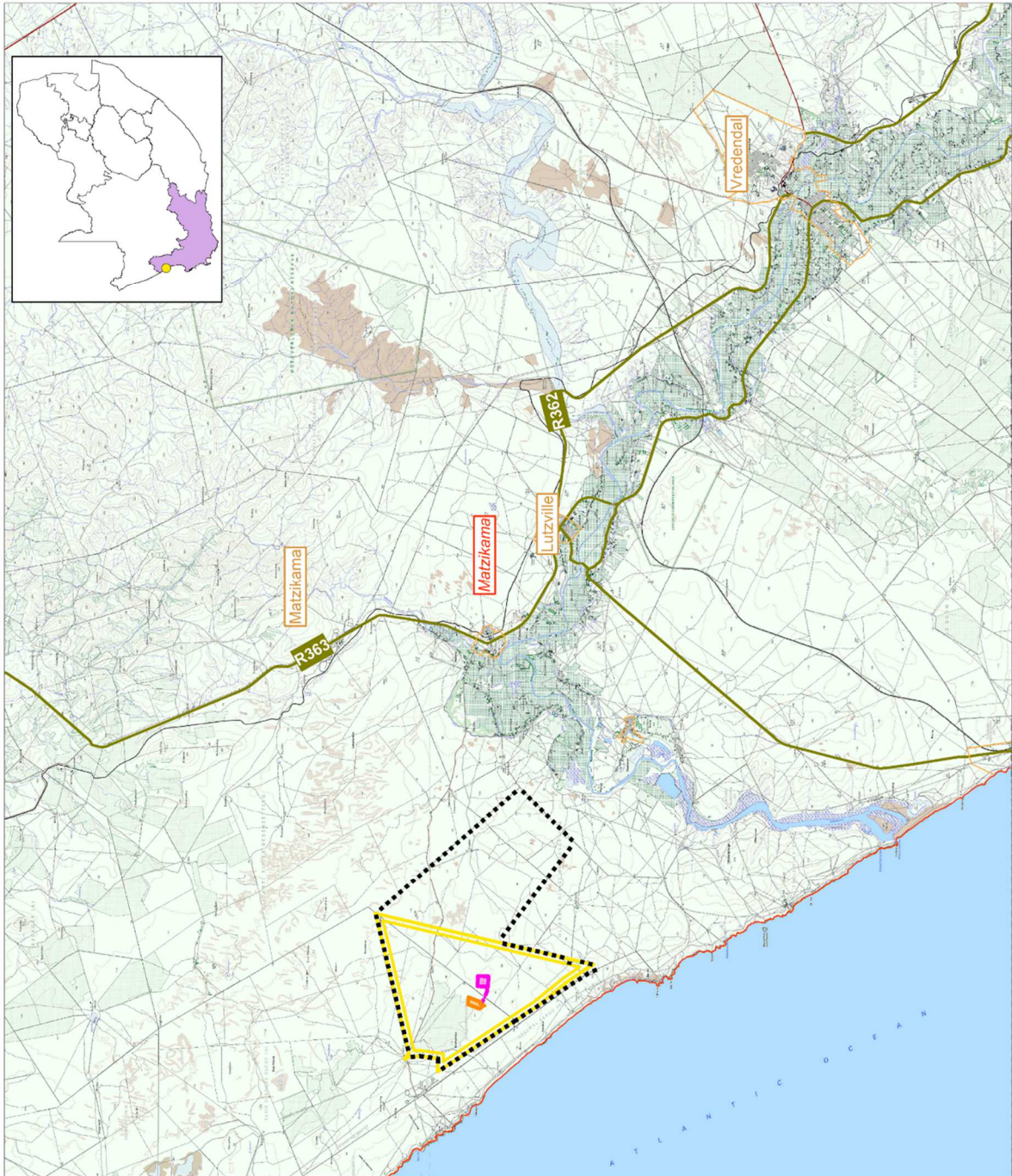
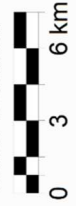


Proped SERE Solar PV Project Locality Map

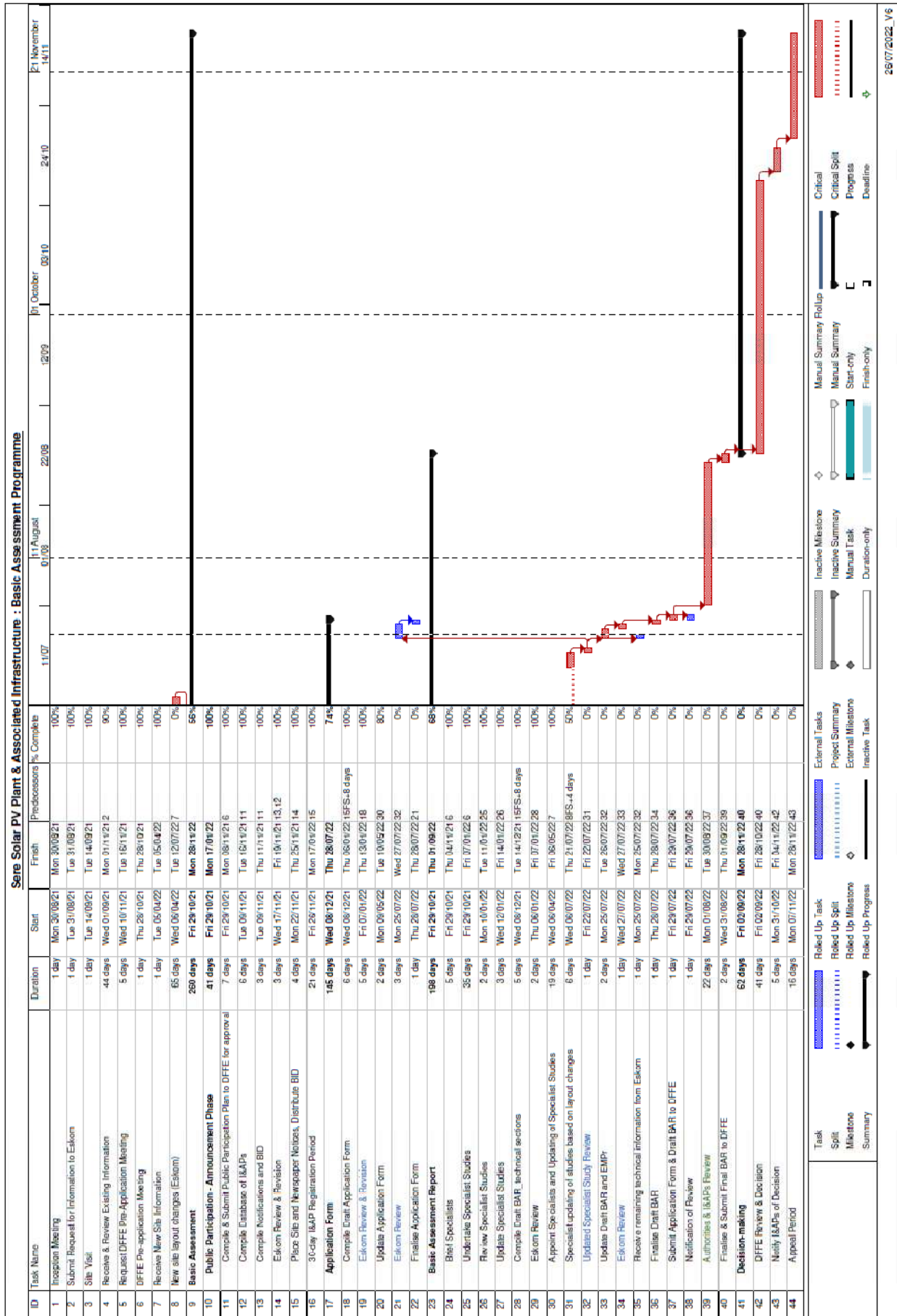
- Legend**
- Highways
 - secondary
 - Local Municipalities
 - Main Places
 - SERE Wind Farm
 - Sere Boundary
 - Lot 1862 Olifants River Settlement
 - SERE PV Project Components
 - Alternative 1 Assessment Boundary
 - Alternative 1 Interconnection Cable
 - Alternative 1 Site Access Road
 - Alternative 2 Assessment Boundary
 - Alternative 2 Interconnection Cable
 - Alternative 2 Site Access Road
 - Alternative 2 Construction Access Road



Scale 1:250000



APPENDIX 8 PROJECT SCHEDULE



**APPENDIX 9
DECLARATION OF THE APPLICANT**

I, Deidre Herbst, declare that –

- I ~~am~~ represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the Competent Authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the Competent Authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the Competent Authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the Competent Authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the Competent Authority;
- I hereby indemnify the Government of the Republic of South Africa, the Competent Authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- I will not hold the Competent Authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, as amended (Act No. 107 of 1998) that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.

Signature³ of the applicant/ Signature on behalf of the applicant



Name of company (if applicable)

Eskom Holdings Ltd

Date: 29 July 2022

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

APPENDIX 10
DECLARATION OF THE EAP

APPENDIX 10
DECLARATION OF THE EAP

I, Jacqui Davis, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;

- I have a vested interest in the proposed activity proceeding, such vested interest being:

~~_____~~
~~_____~~
~~N/A~~
~~_____~~
~~_____~~

~~_____~~
~~_____~~

Signature of the environmental assessment practitioner

Nemai Consulting (Pty) Ltd
Name of company:

29 July 2022
Date

**APPENDIX 11
SCREENING TOOL REPORT**

Please see below the Screening Tool Reports as generated for the two alternatives assessed.

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

EIA Reference number:

Project name: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure,
Western Cape Province

Project title: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure,
Western Cape Province

Date screening report generated: 07/12/2021 10:21:06

Applicant: Eskom Holdings SOC

Compiler: Nemaï Consulting (Pty) Ltd

Compiler signature:

.....

Application Category: Utilities Infrastructure|Electricity|Generation|Renewable|Solar|PV

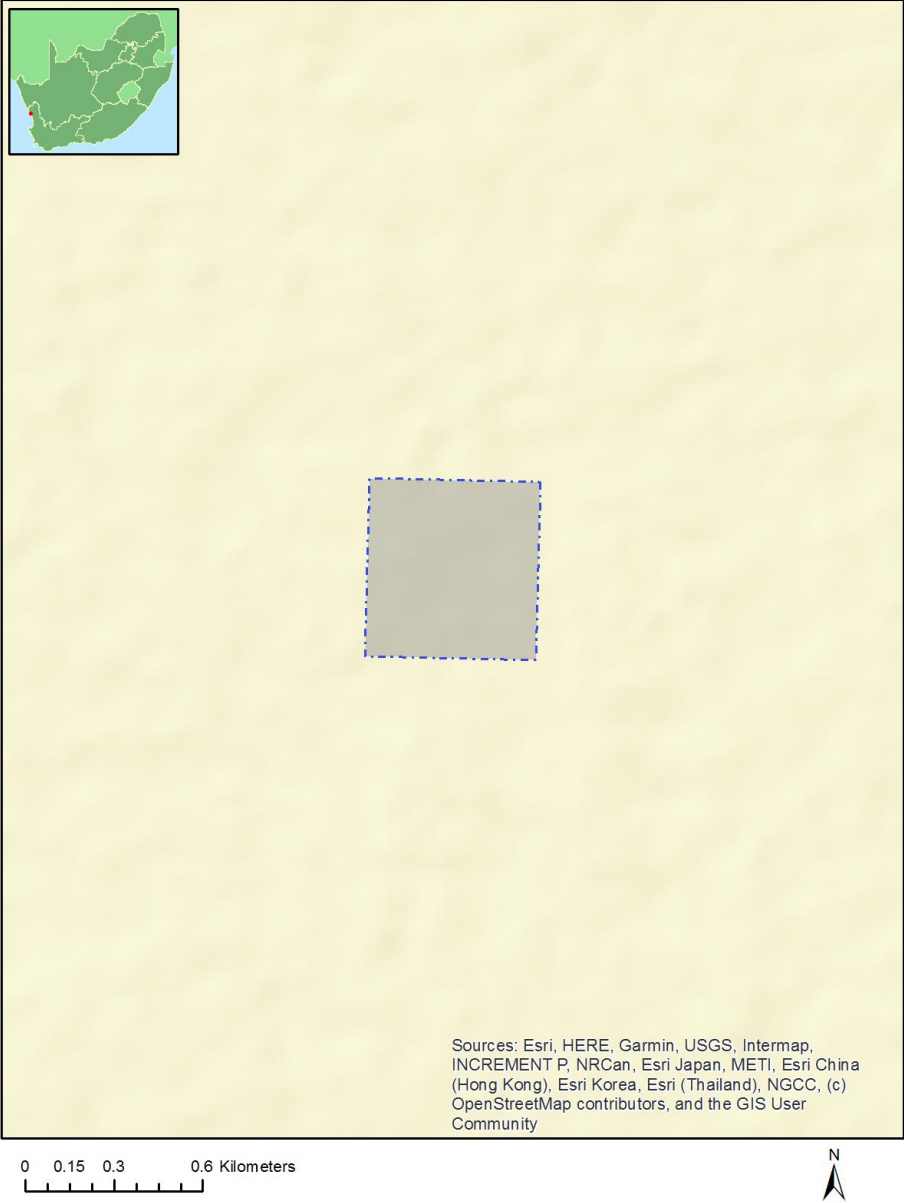
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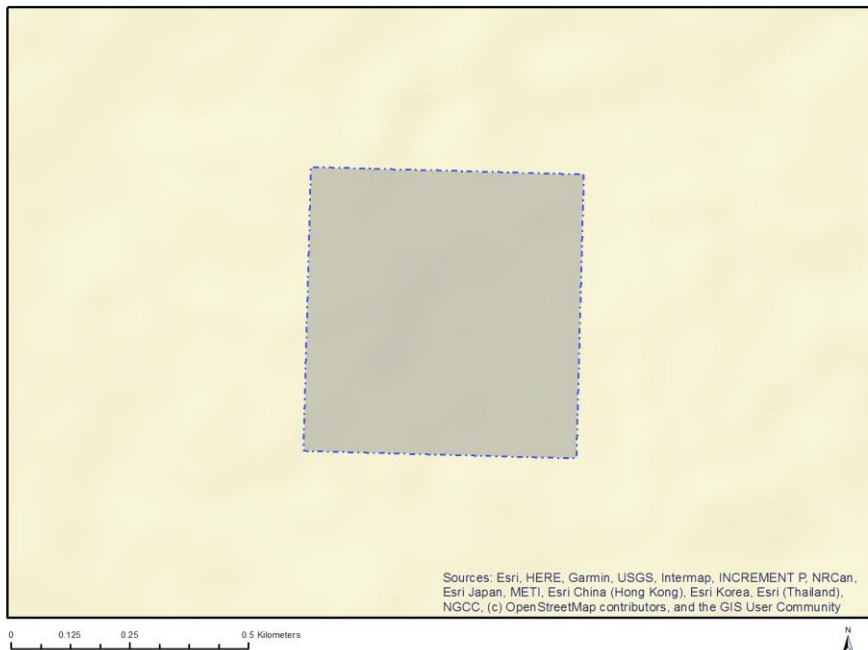
Proposed Project Location

Orientation map 1: General location

General Orientation: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure, Western Cape Province



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	620	0	31°31'46.24S	18°9'50.38E	Erven
2	OLIFANTS RIVER SETTLEMENT	1852	0	31°30'56.31S	18°8'21.01E	Erven
3	OLIFANTS RIVER SETTLEMENT	1862	0	31°30'58.91S	18°7'11.8E	Erven
4	OLIFANTS RIVER SETTLEMENT	1852	0	31°31'1.45S	18°9'45.04E	Erven

Development footprint¹ vertices:

Footprint	Latitude	Longitude
1	31°31'30.53S	18°6'52.52E
1	31°31'14.04S	18°6'53.03E
1	31°31'14.46S	18°7'11.63E
1	31°31'30.95S	18°7'11.12E
1	31°31'30.53S	18°6'52.52E

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 footprint as well as the most environmental sensitive features on the footprint based on the footprint sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

Utilities Infrastructure | Electricity | Generation | Renewable | Solar | PV.

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this footprint are indicated below.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor- Western corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf

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

Project Location: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure, Western Cape Province



Proposed Development Area Environmental Sensitivity

The following summary of the development footprint environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
-------	-----------------------	------------------	--------------------	-----------------

Agriculture Theme			X	
Animal Species Theme			X	
Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage Theme				X
Avian Theme		X		
Bats Theme		X		
Civil Aviation (Solar PV) Theme				X
Defence Theme				X
Landscape (Solar) Theme			X	
Paleontology Theme	X			
Plant Species Theme			X	
RFI 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 footprint situation.

N o	Special ist assess ment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_WindAndSolar_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

	ent	
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Avian Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Avifauna_Assessment_Protocols.pdf
8	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
9	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Defence_Installations_Assessment_Protocols.pdf
10	RFI 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	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
14	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed footprint for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

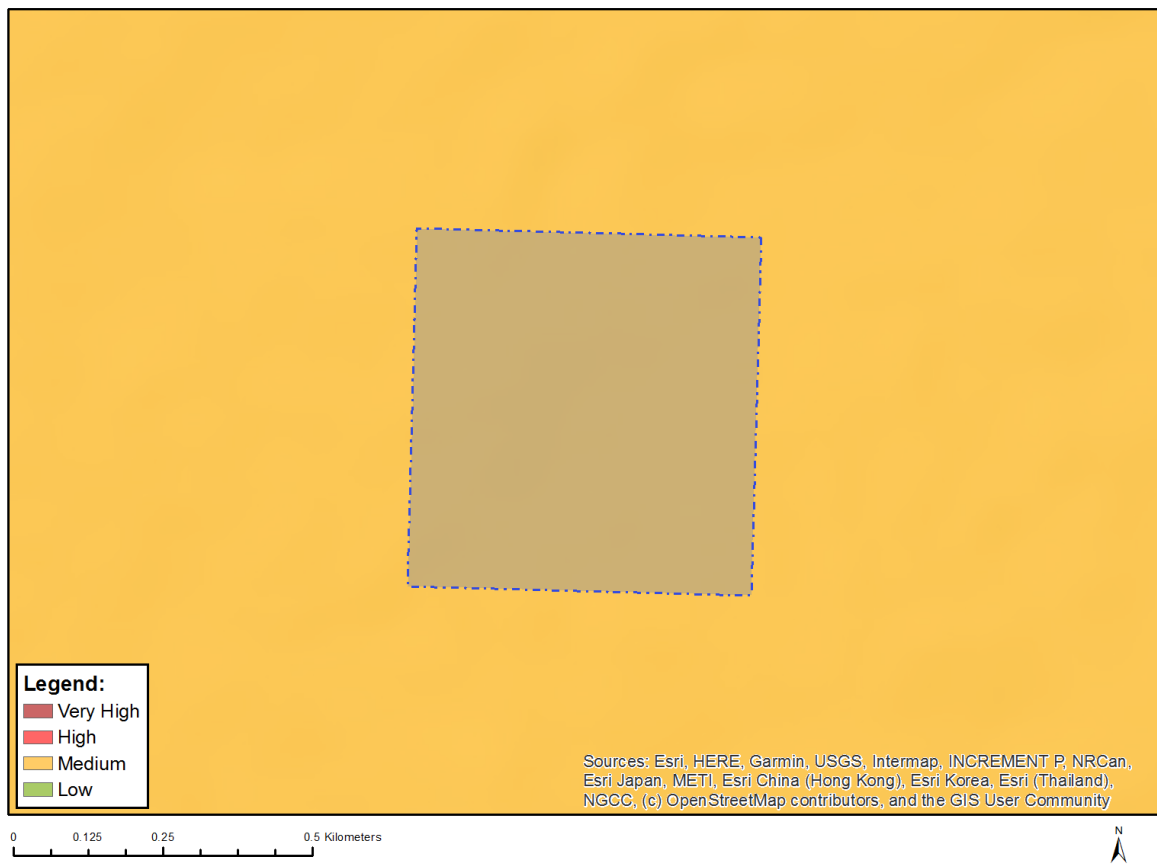


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
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



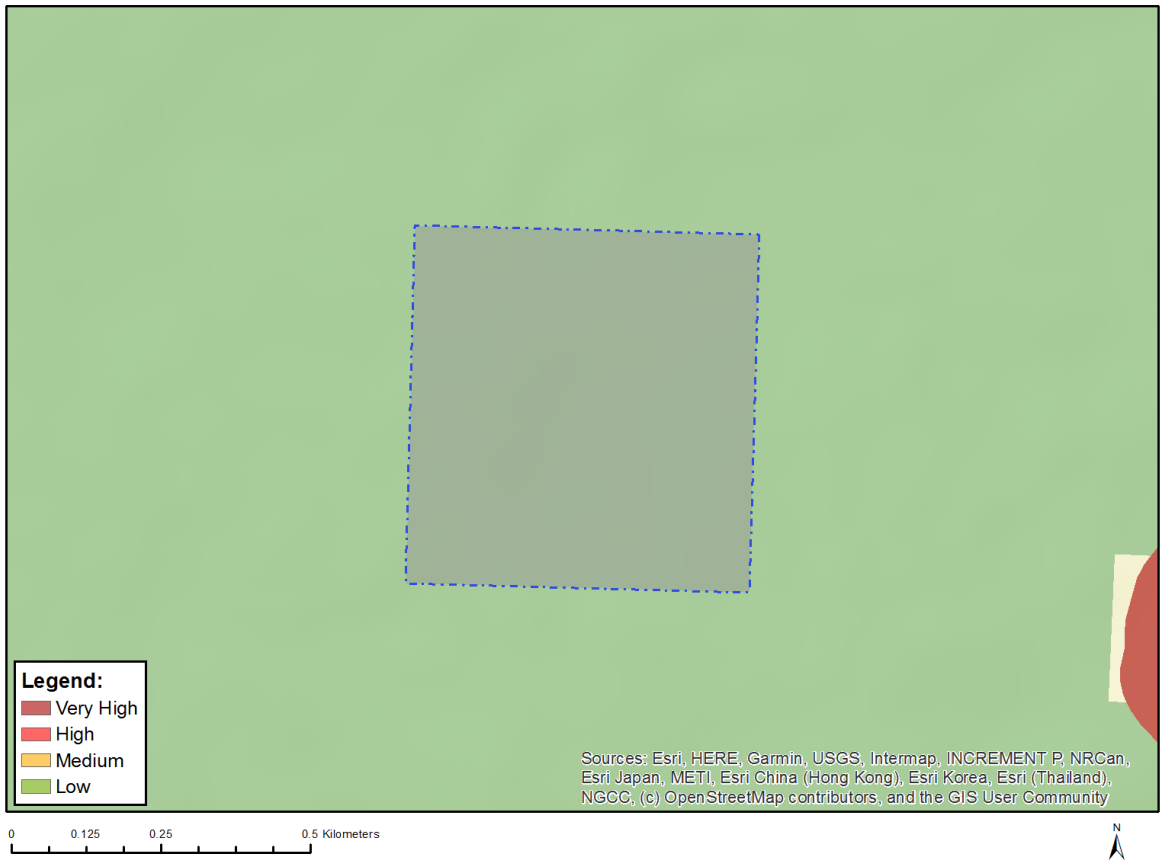
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their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

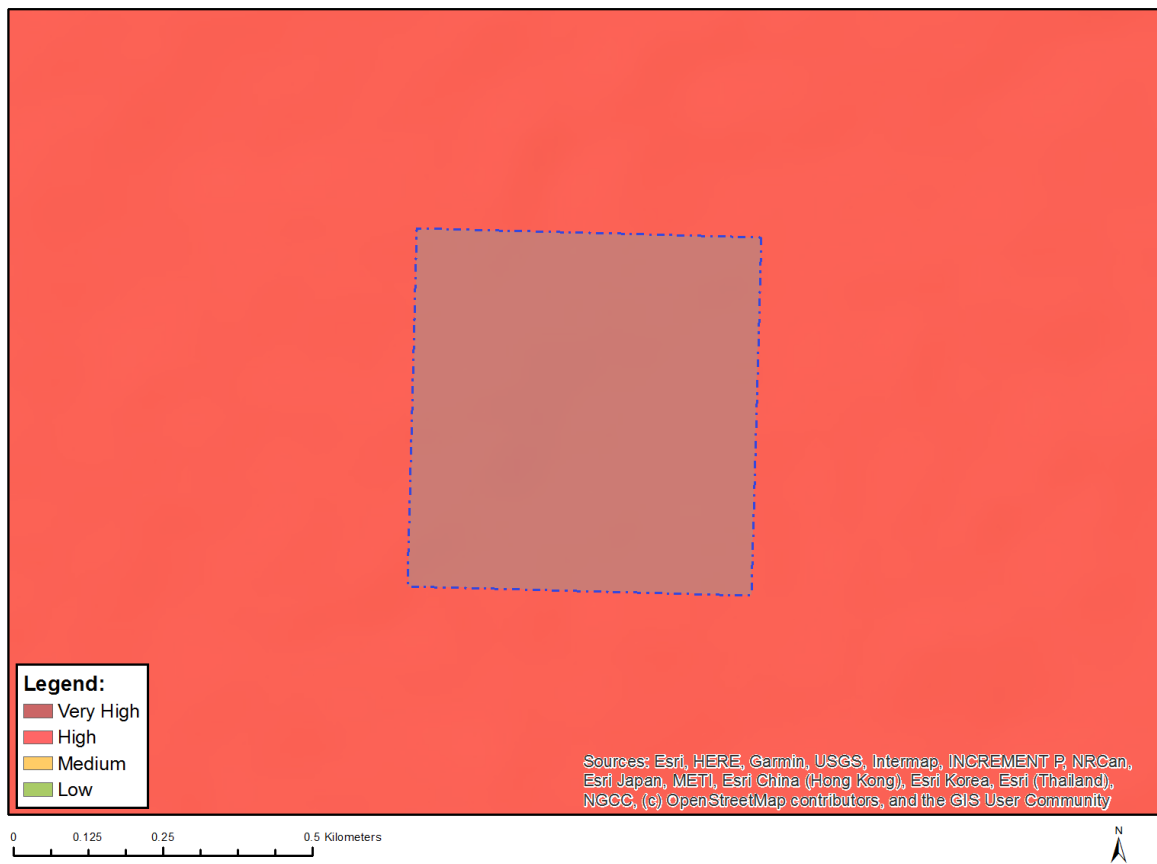


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AVIAN THEME SENSITIVITY

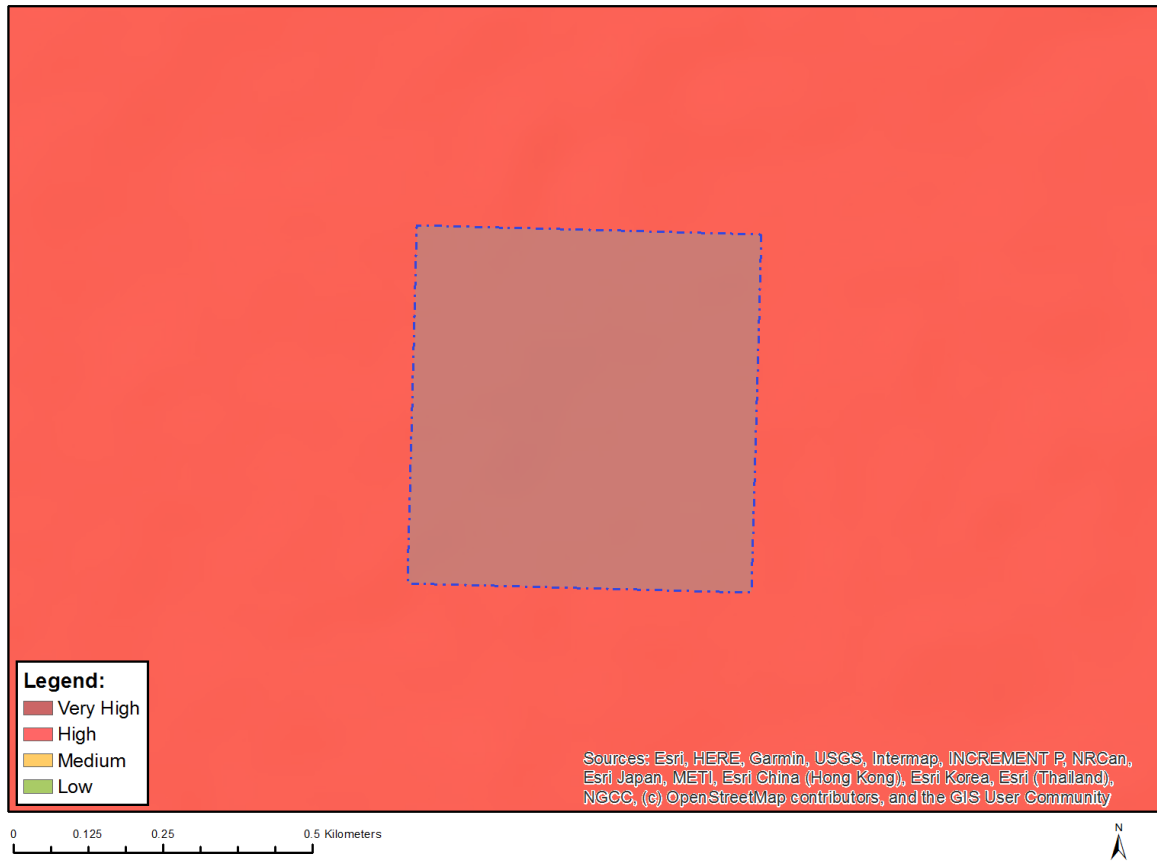


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Between 1 and 5 km from coastline

MAP OF RELATIVE BATS THEME SENSITIVITY

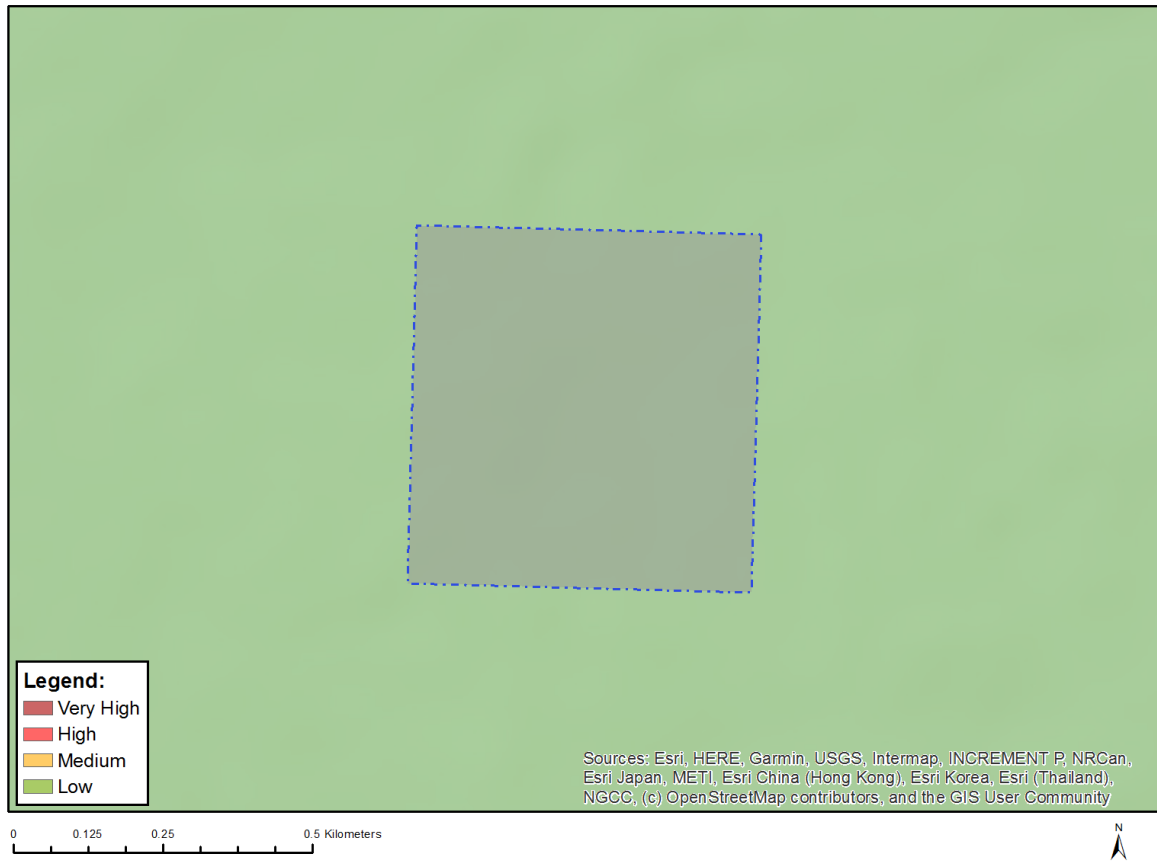


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Between 1 and 5 km from coastline

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY

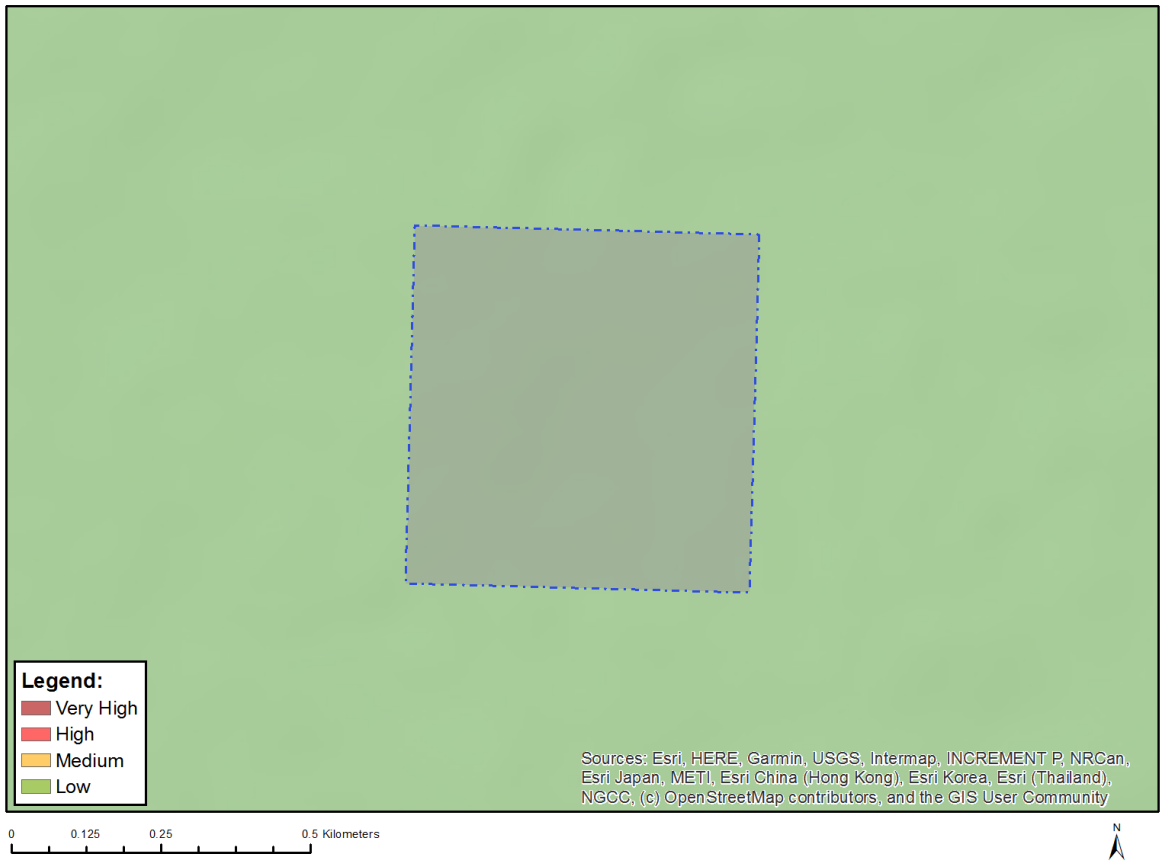


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	No major or other types of civil aviation aerodromes

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

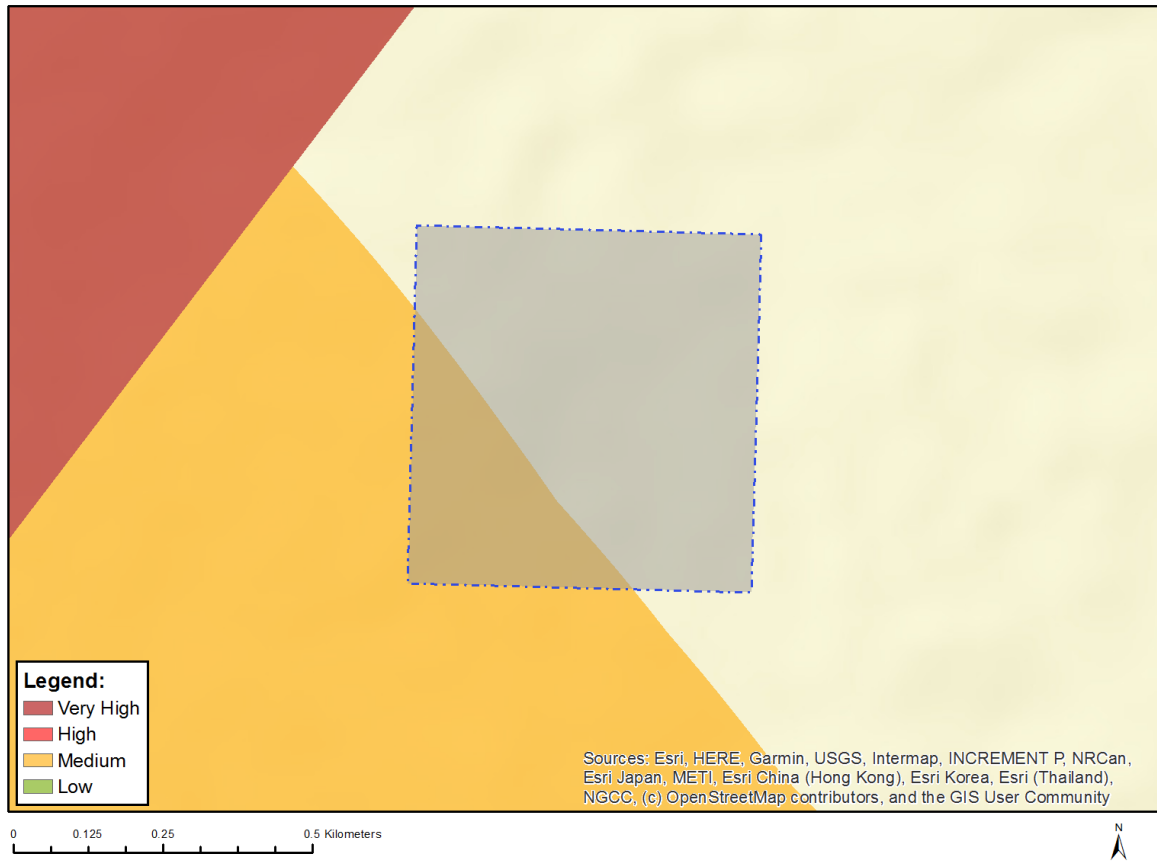


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY

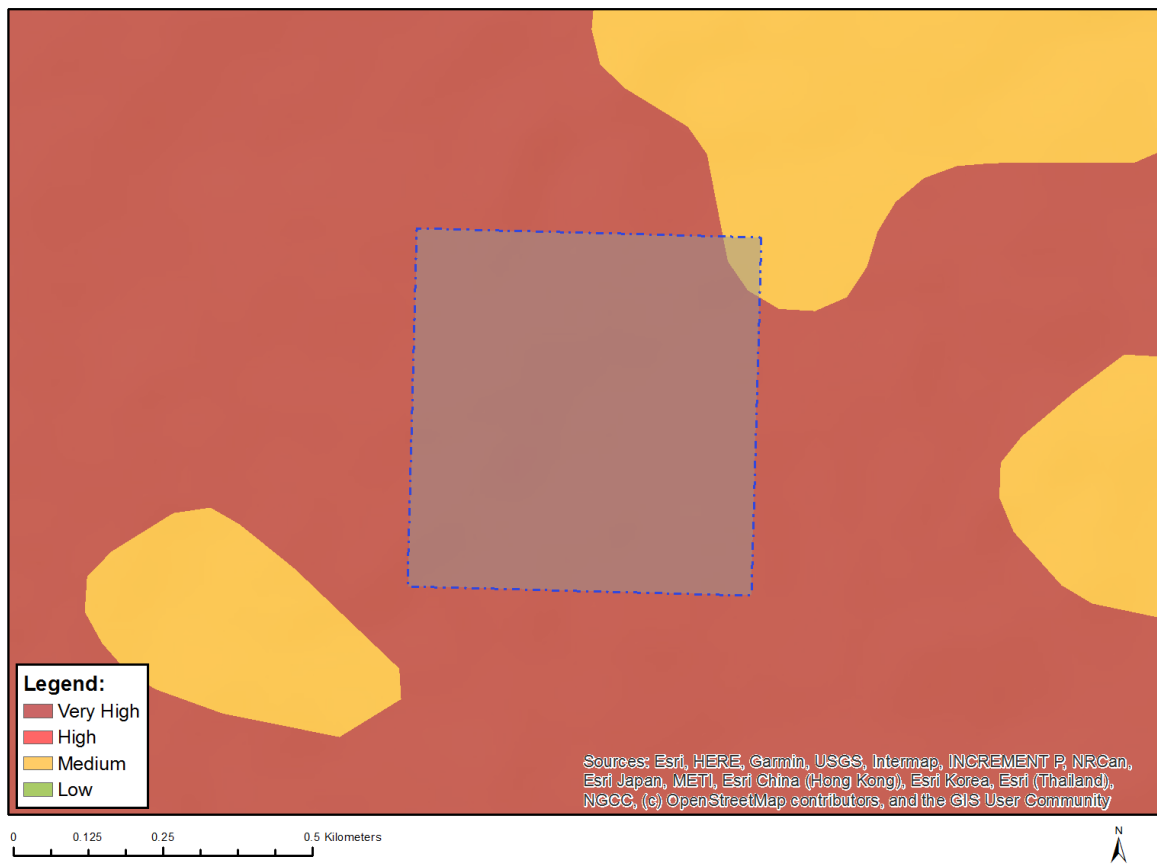


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Between 2 and 4 km of the coast

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

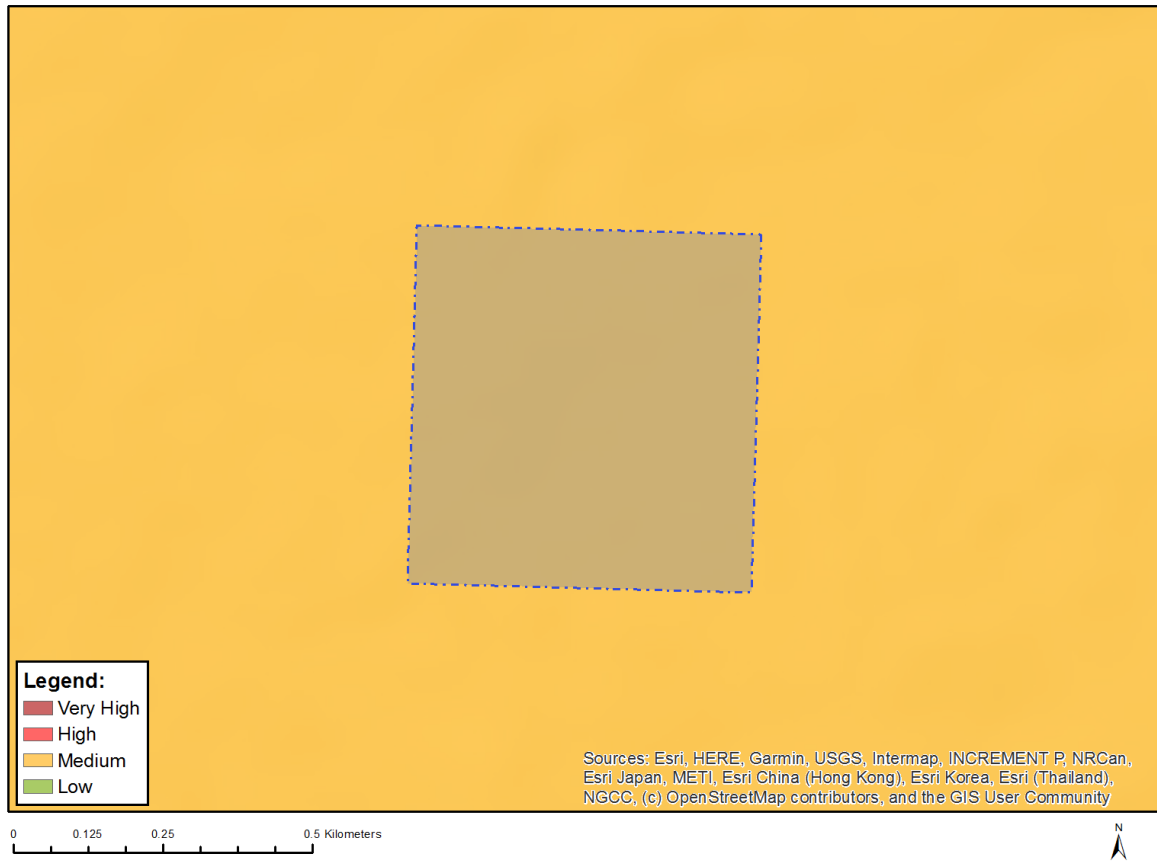


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
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.

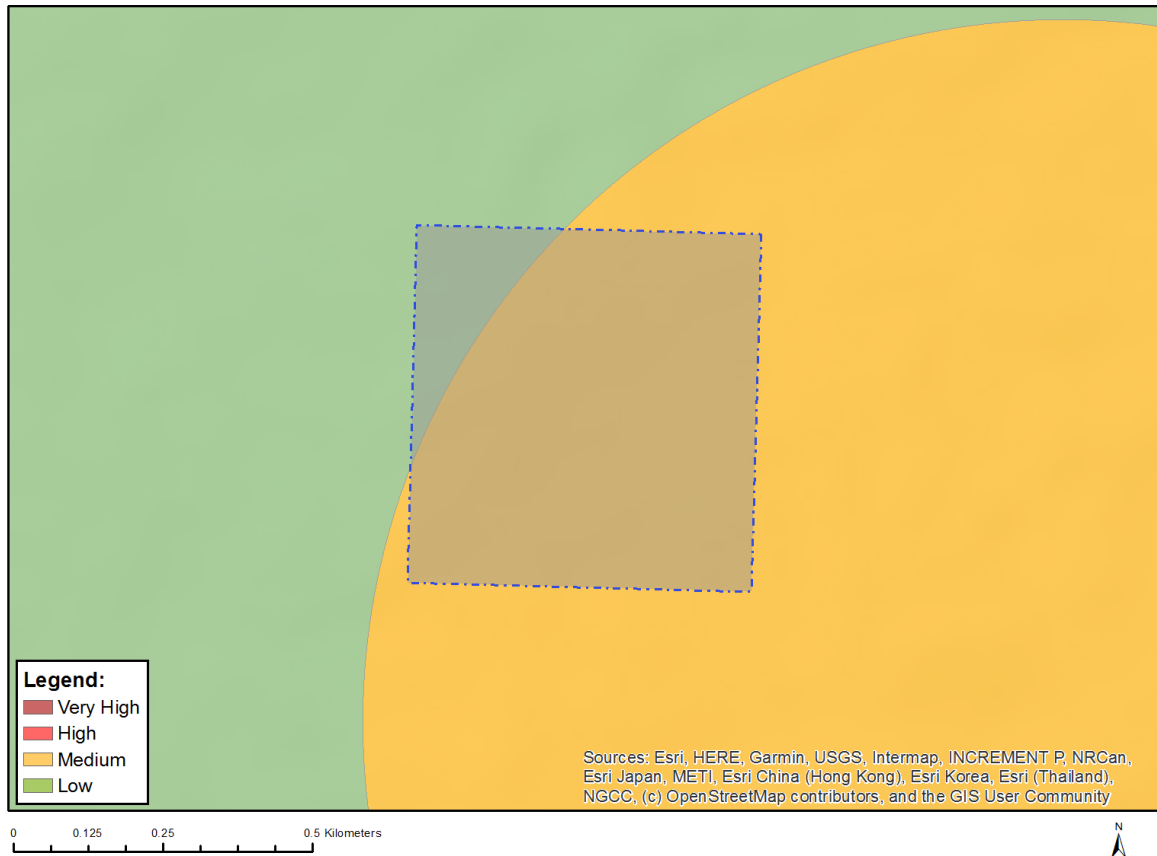
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Lampranthus procumbens
Medium	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Selago heterotricha
Medium	Sensitive species 99
Medium	Romulea lutea
Medium	Ferraria ornata
Medium	Sensitive species 1002
Medium	Sensitive species 446
Medium	Sensitive species 203
Medium	Leucoptera nodosa
Medium	Argyrobium velutinum
Medium	Aspalathus obtusata

Medium	Leucospermum rodolentum
Medium	Muraltia obovata
Medium	Caesia sabulosa

MAP OF RELATIVE RFI THEME SENSITIVITY

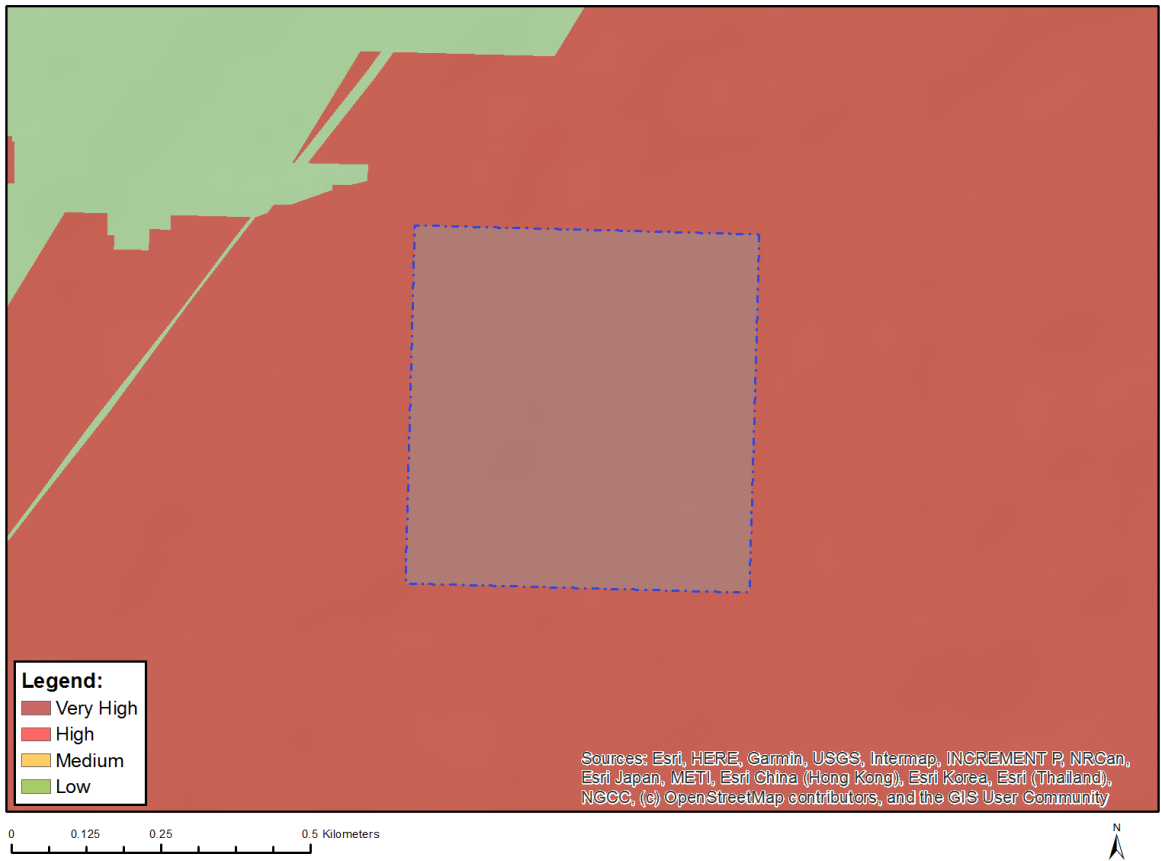


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Medium	Within 1 km of a telecommunication facility

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Critical biodiversity area 1
Very High	Protected Areas Expansion Strategy

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

EIA Reference number:

Project name: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure,
Western Cape Province

Project title: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure,
Western Cape Province

Date screening report generated: 18/07/2022 15:38:25

Applicant: Eskom Holdings SOC

Compiler: Nemaï Consulting (Pty) Ltd

Compiler signature:
.....

Application Category: Utilities Infrastructure|Electricity|Generation|Renewable|Solar|PV

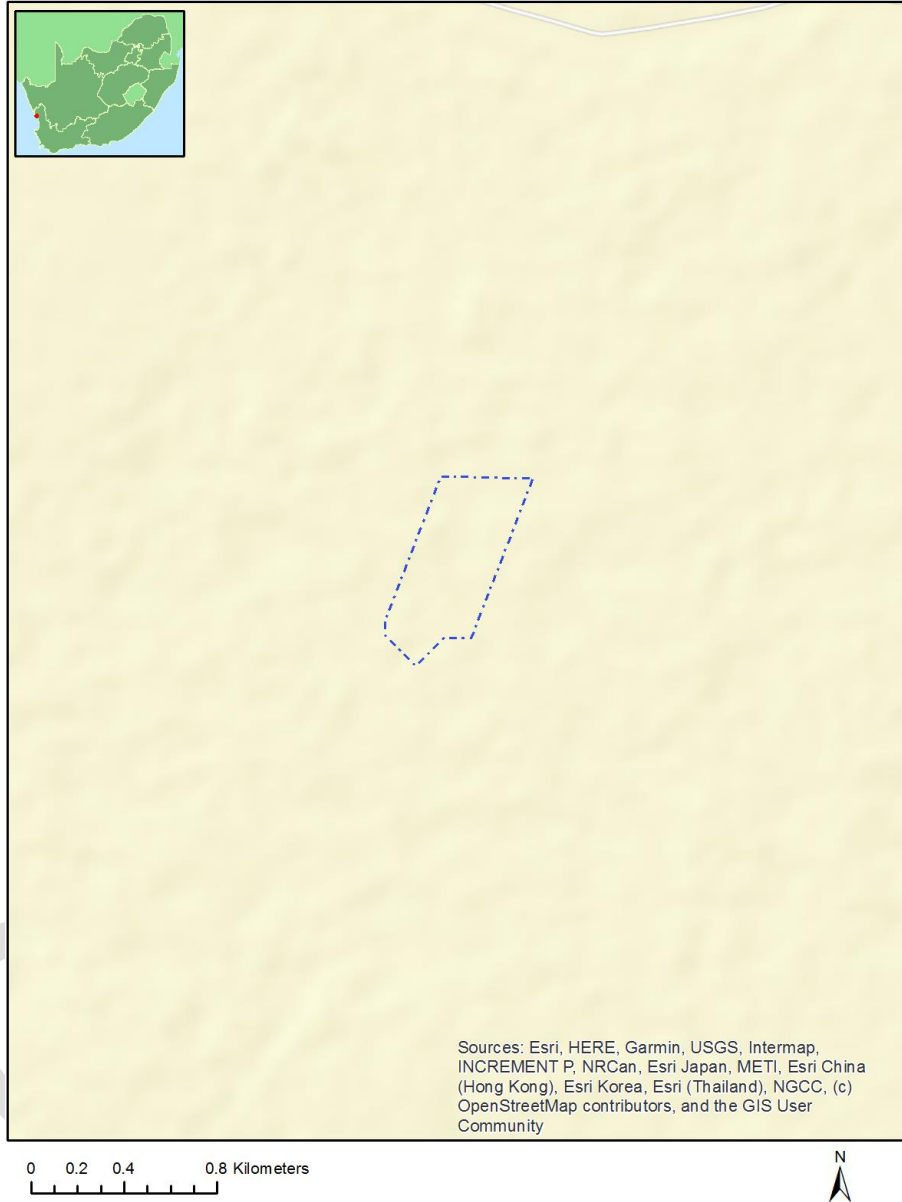
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 - Orientation map 1: General location 3
- Map of proposed site and relevant area(s) 4
 - Cadastral details of the proposed site 4
 - Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area 4
 - Environmental Management Frameworks relevant to the application 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 AVIAN THEME SENSITIVITY 13
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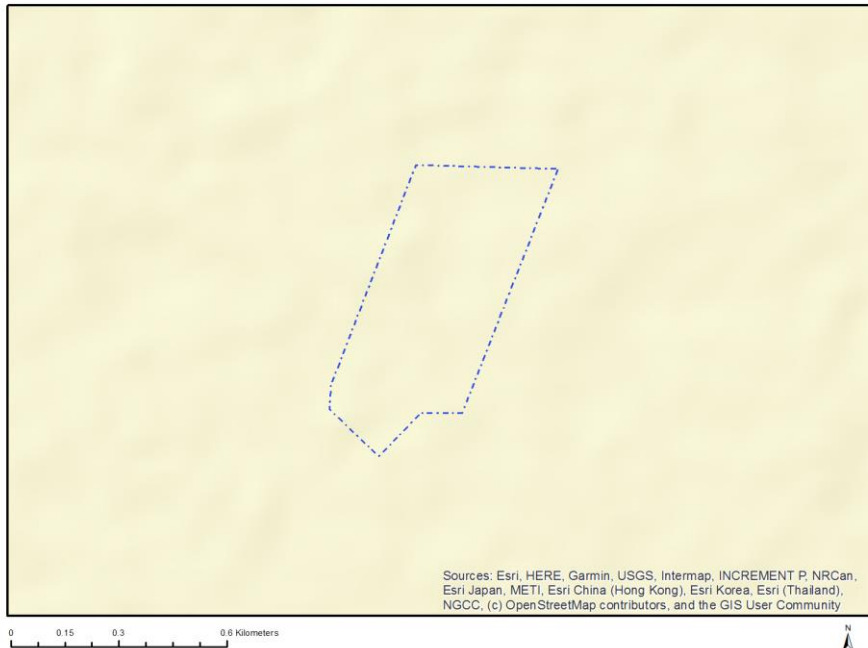
Proposed Project Location

Orientation map 1: General location

General Orientation: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure, Western Cape Province



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	1850	0	31°30'8.91S	18°6'13.11E	Erven
2	OLIFANTS RIVER SETTLEMENT	1852	0	31°31'1.45S	18°9'45.04E	Erven
3	OLIFANTS RIVER SETTLEMENT	1852	0	31°30'56.31S	18°8'21.01E	Erven
4	OLIFANTS RIVER SETTLEMENT	1862	0	31°30'58.91S	18°7'11.8E	Erven

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:

Utilities Infrastructure | Electricity | Generation | Renewable | Solar | PV.

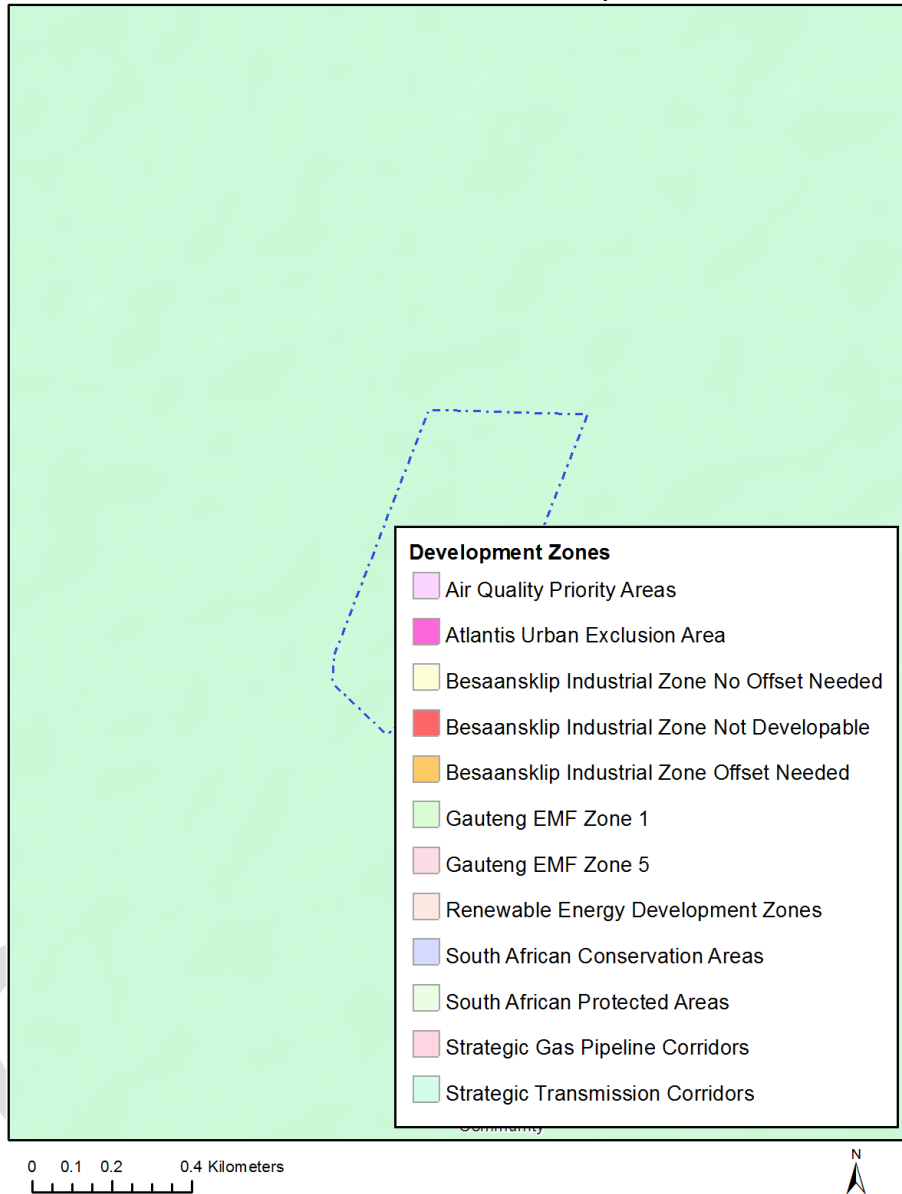
Relevant development incentives, restrictions, exclusions or prohibitions

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/Combined_EGI.pdf

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

Project Location: Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure, Western Cape Province



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
Avian Theme				X
Civil Aviation (Solar PV) Theme				X
Defence Theme				X
Landscape (Solar) Theme	X			
Paleontology Theme	X			
Plant Species Theme			X	
RFI 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.

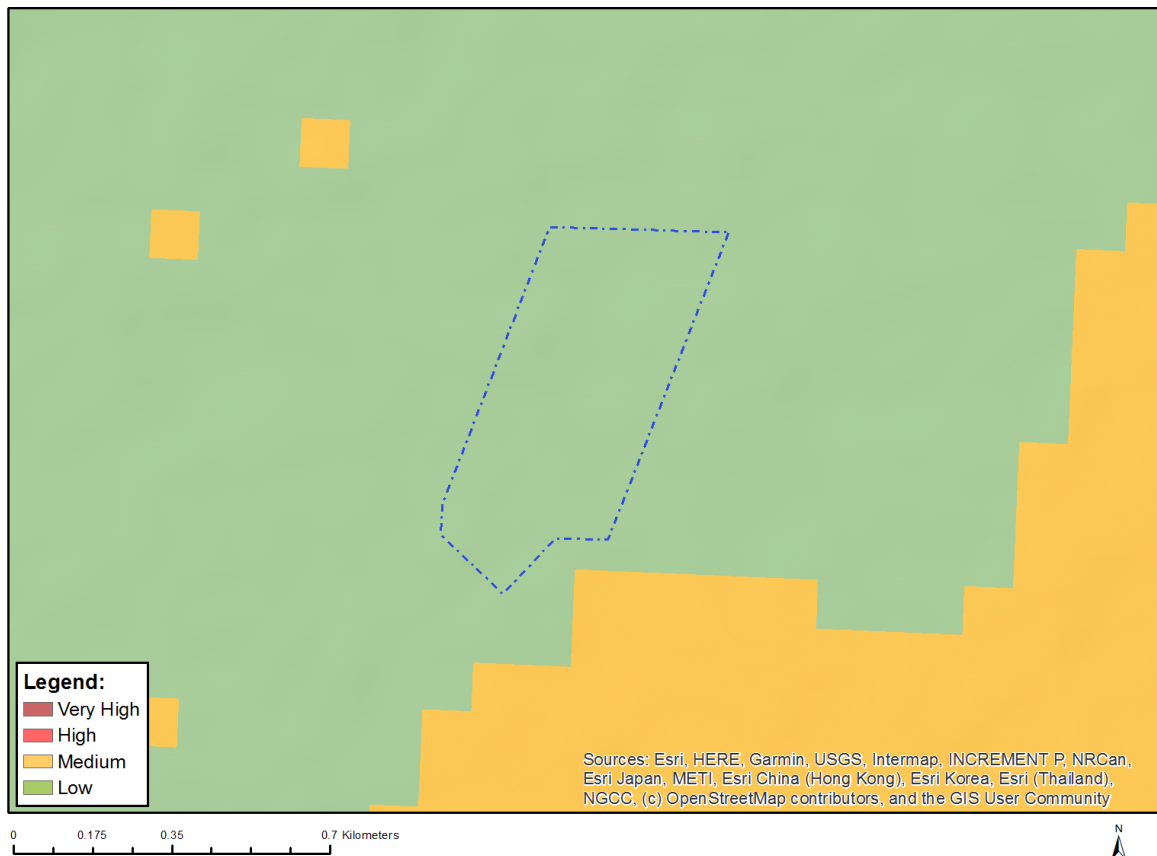
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_WindAndSolar_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_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	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
8	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Defence_Installations_Assessment_Protocols.pdf
9	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
13	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

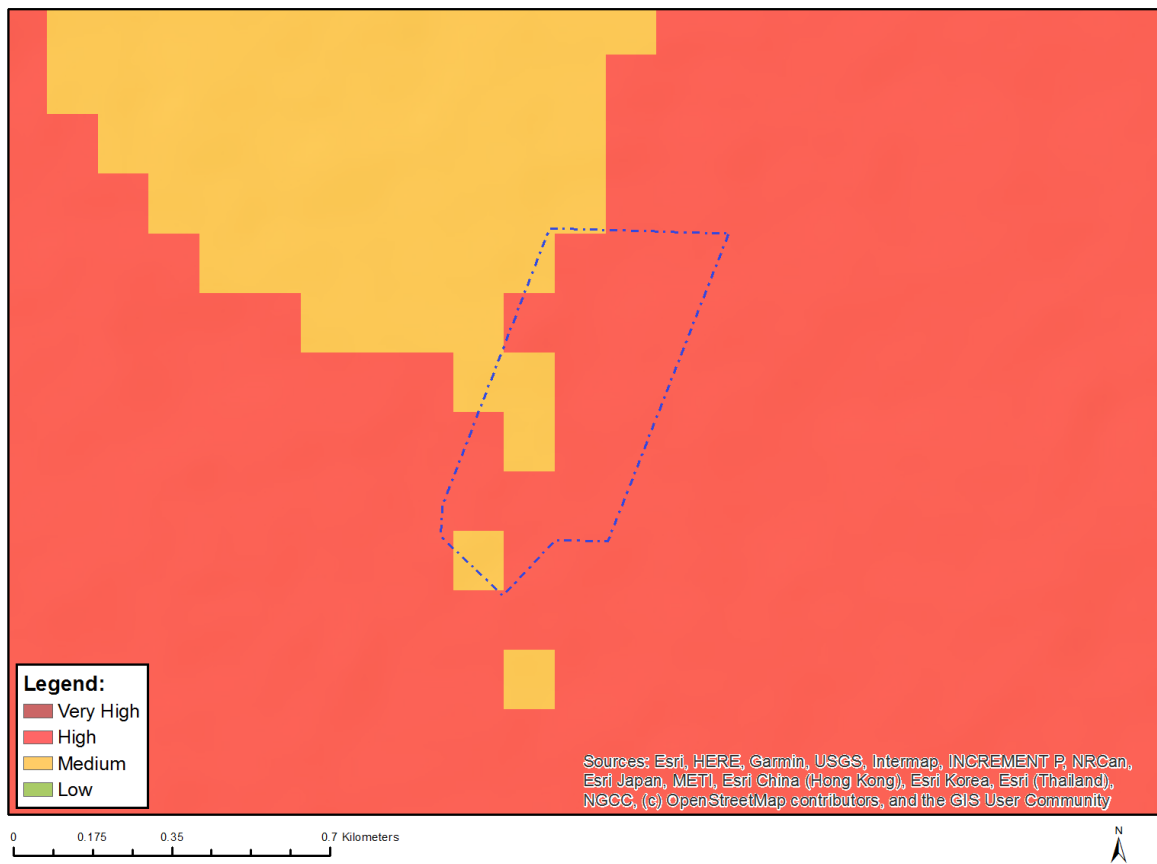


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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



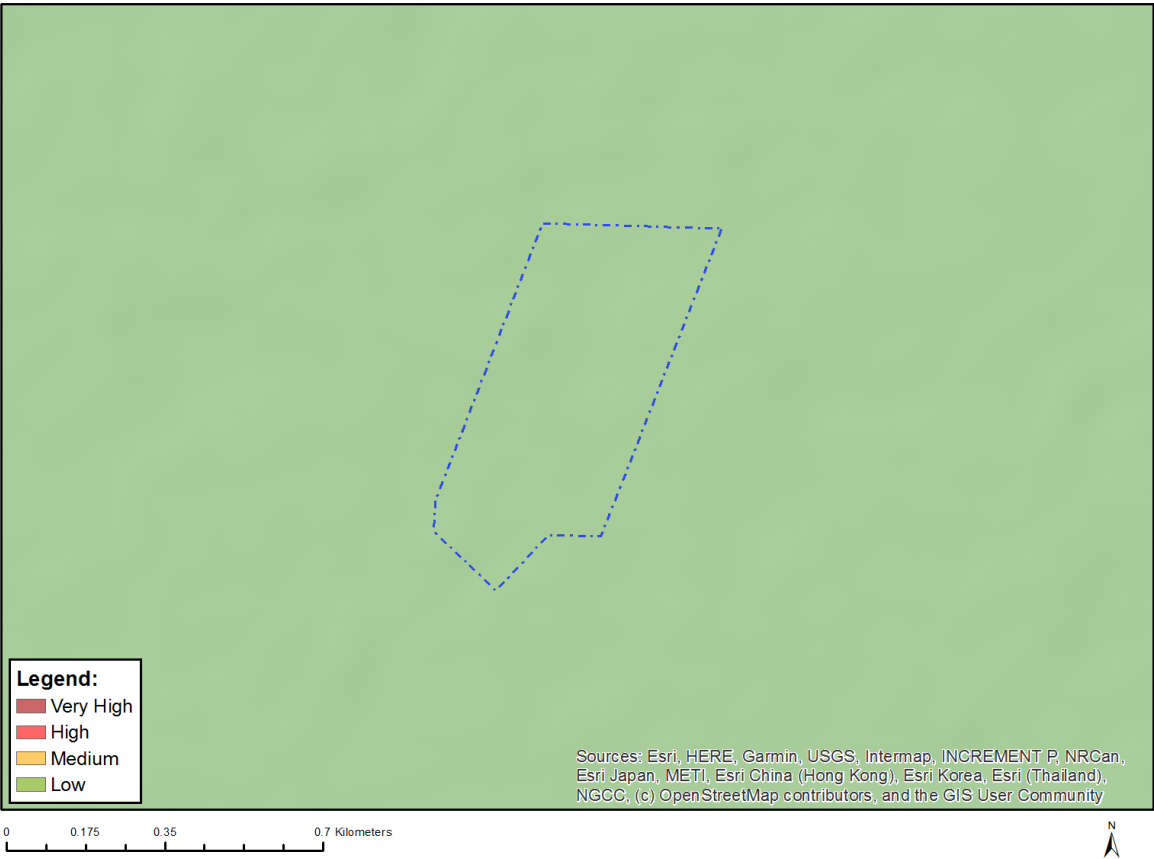
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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-Afrotis afra
Medium	Aves-Circus maurus
Medium	Sensitive species 32
Medium	Invertebrate-Brinckiella mauerbergerorum

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

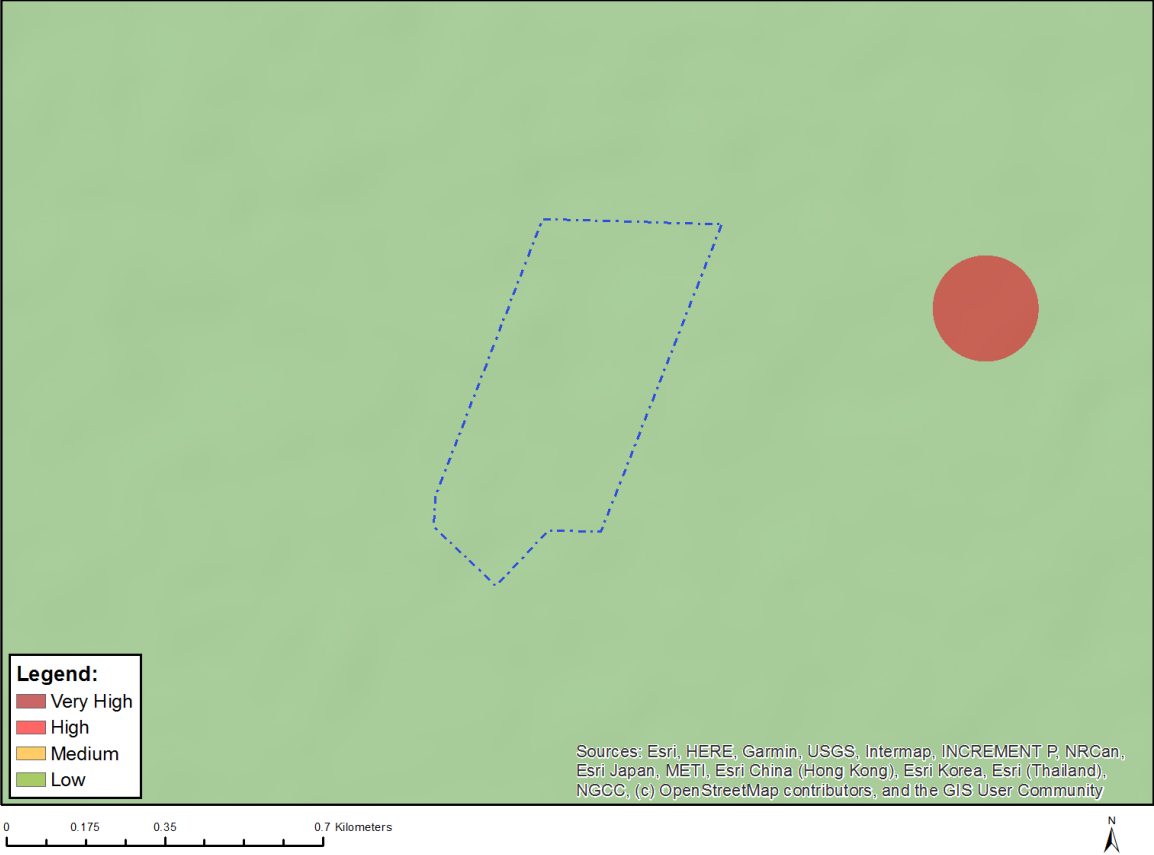


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

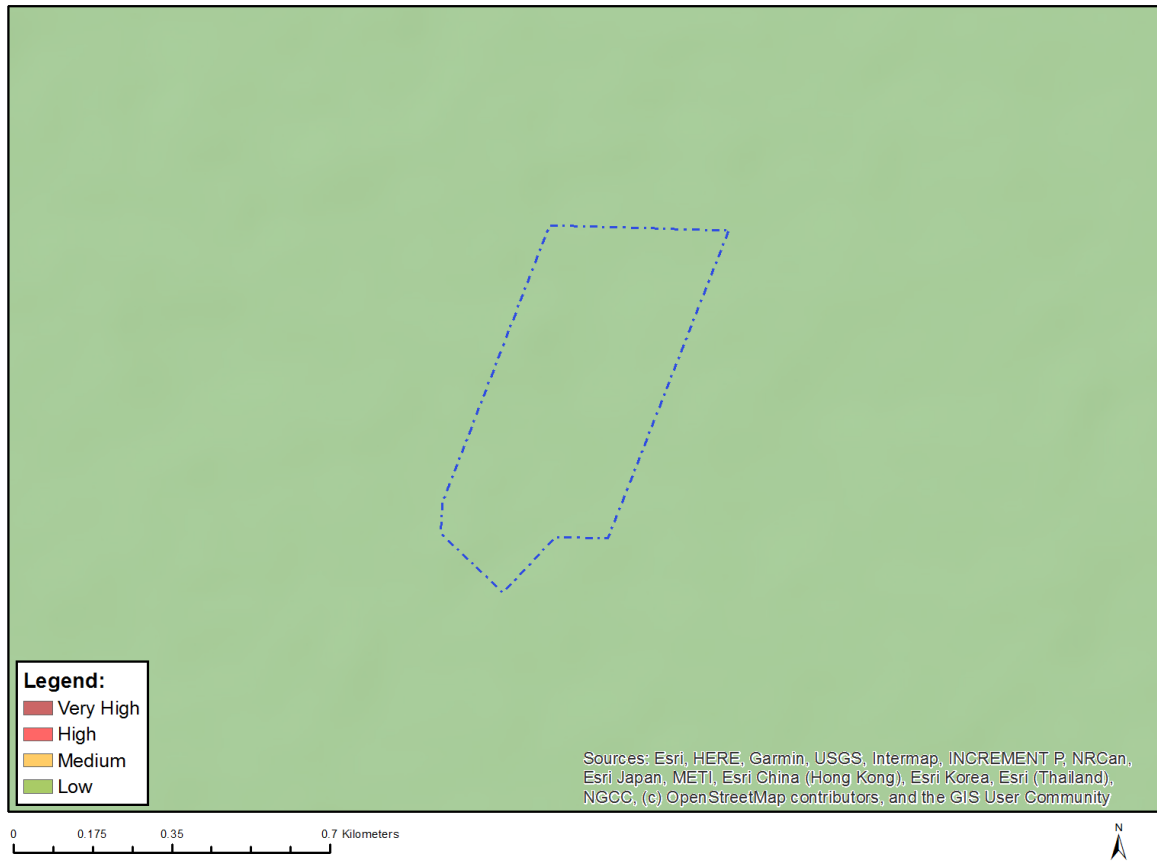


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AVIAN THEME SENSITIVITY

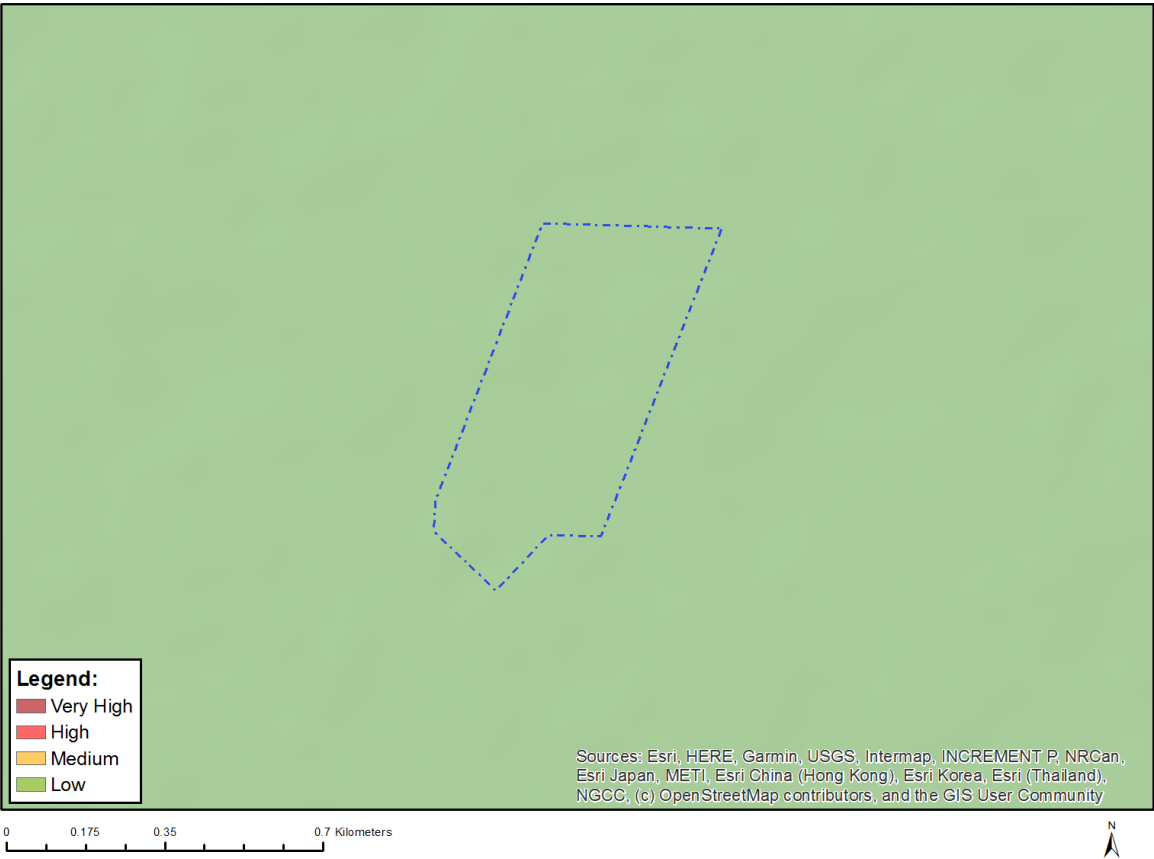


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY

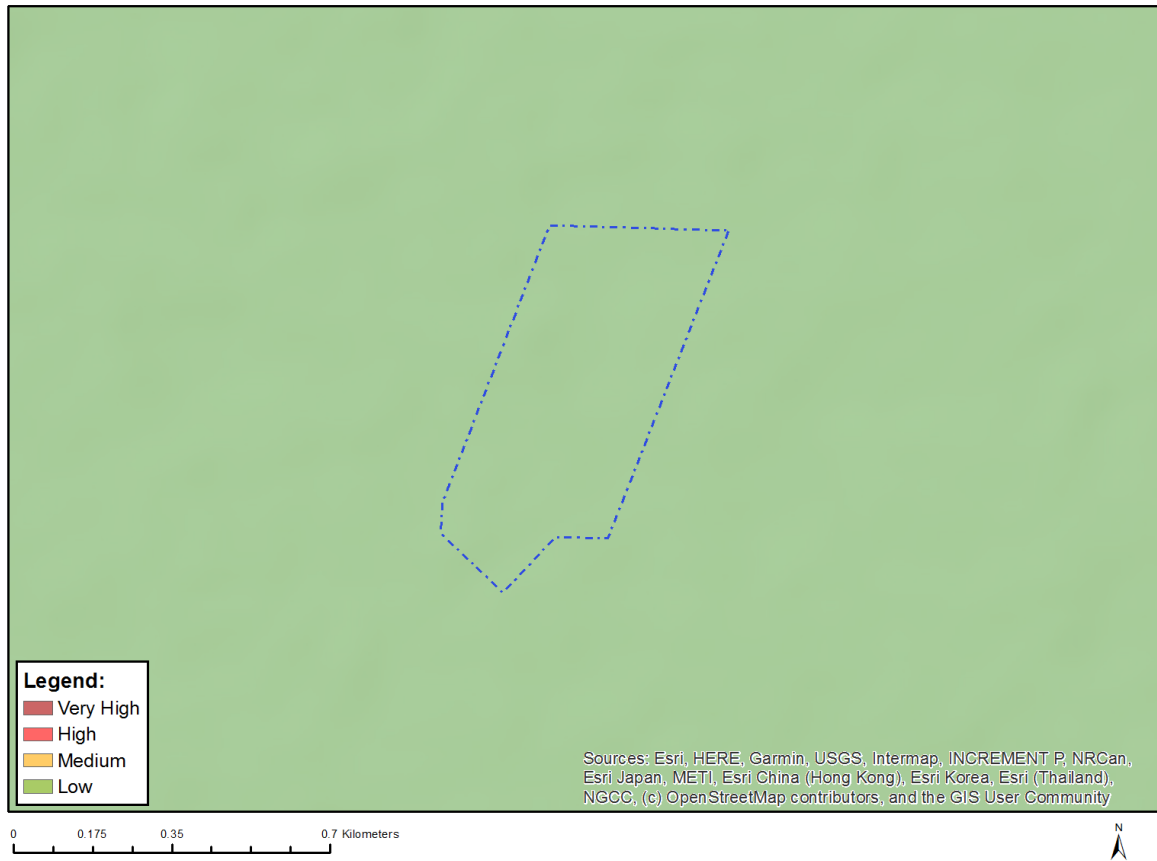


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	No major or other types of civil aviation aerodromes

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

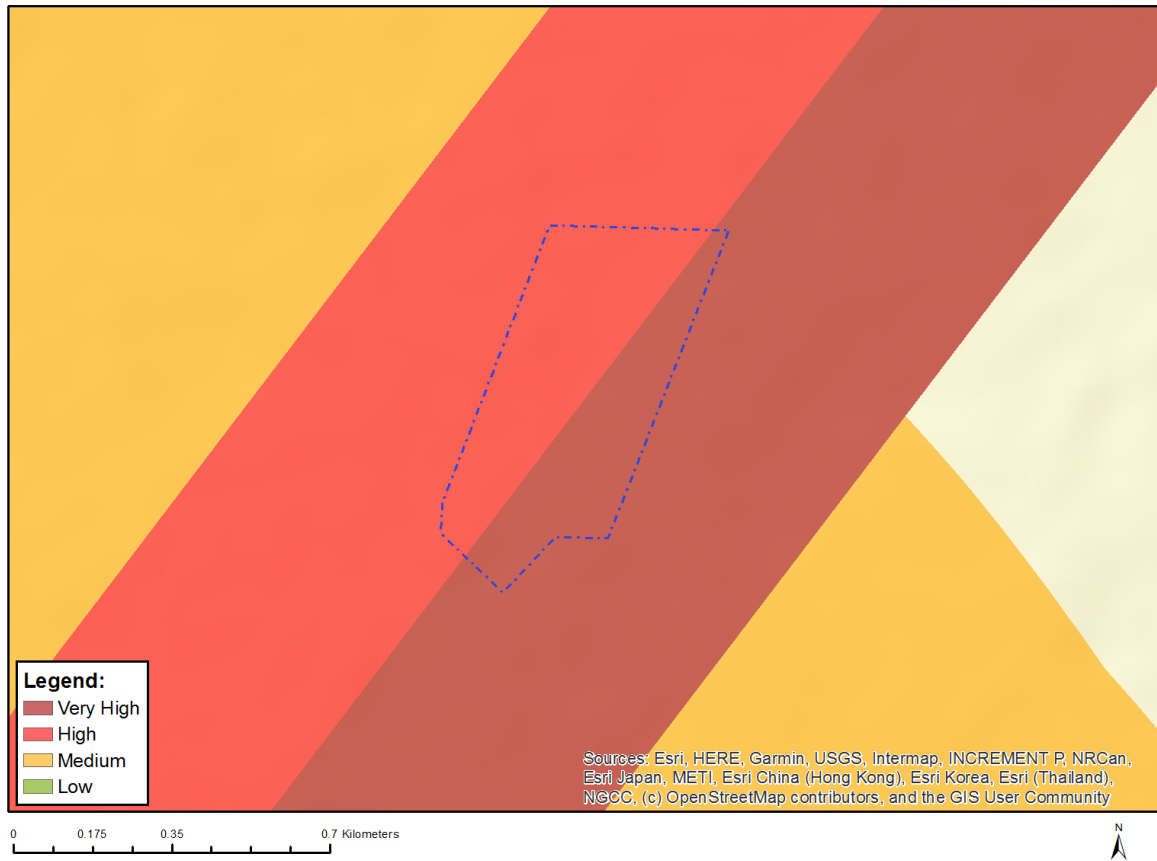


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY

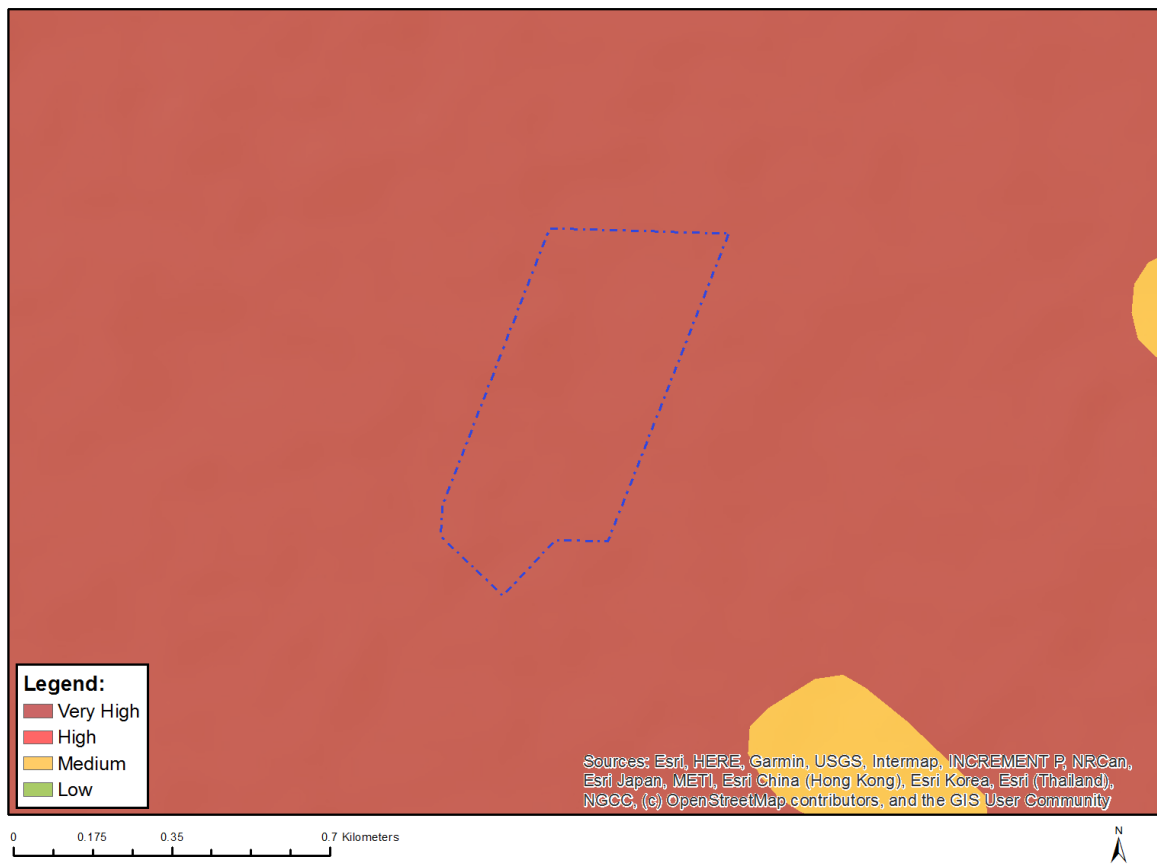


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Between 500 and 1000 m of a town or village
Medium	Between a and 2 km of a town or village
Medium	Between 2 and 4 km of the coast
Very High	Within 500 m of a town or village

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

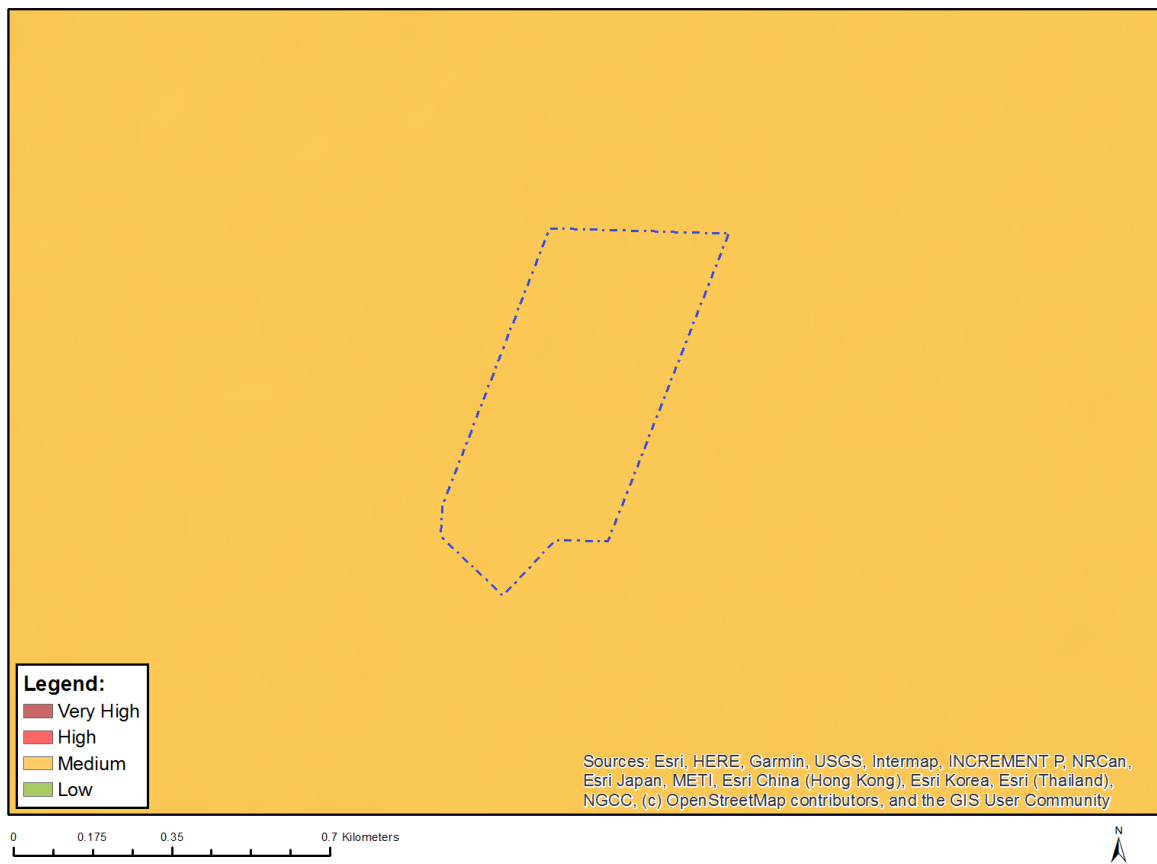


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
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.

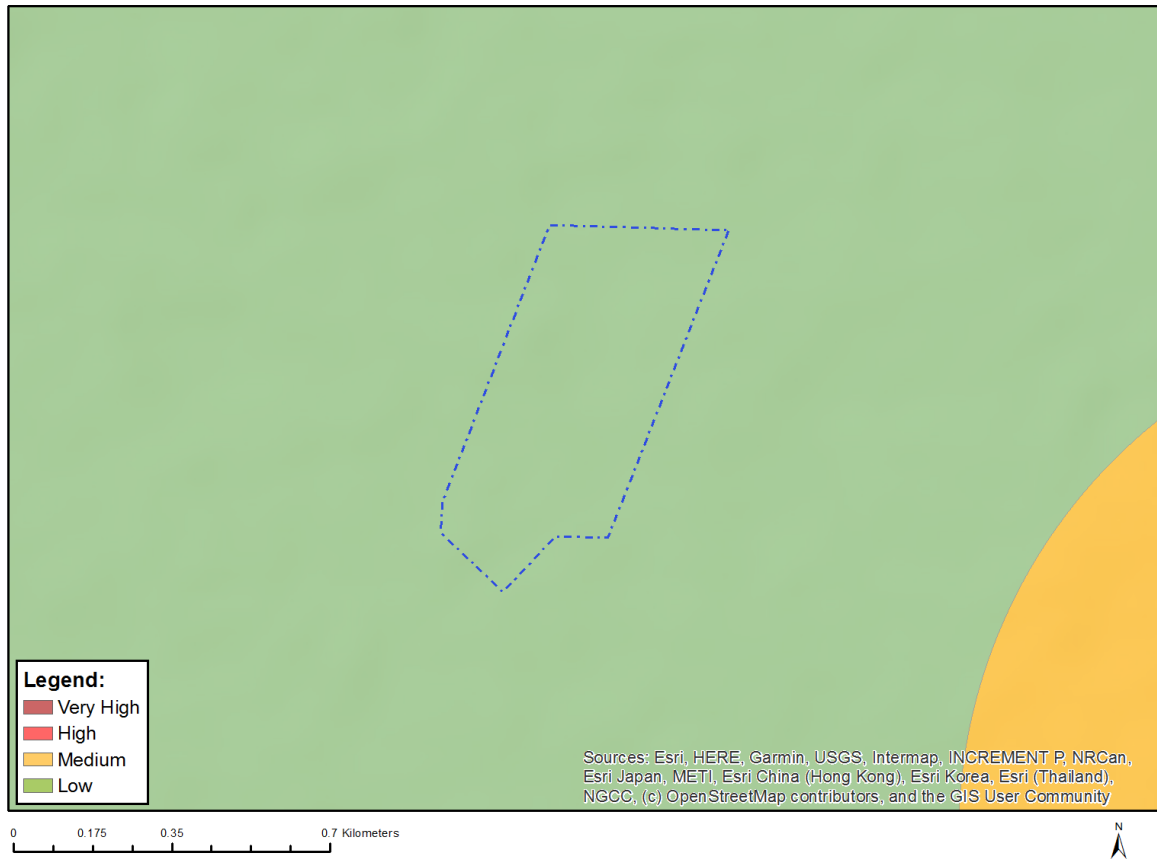
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Lampranthus procumbens
Medium	Ruschia bipapillata
Medium	Otholobium incanum
Medium	Selago heterotricha
Medium	Sensitive species 99
Medium	Romulea lutea
Medium	Ferraria ornata
Medium	Sensitive species 1002
Medium	Sensitive species 446
Medium	Sensitive species 203
Medium	Leucoptera nodosa
Medium	Argyrobium velutinum
Medium	Aspalathus obtusata

Medium	Leucospermum rodolentum
Medium	Muraltia obovata
Medium	Caesia sabulosa

MAP OF RELATIVE RFI THEME SENSITIVITY

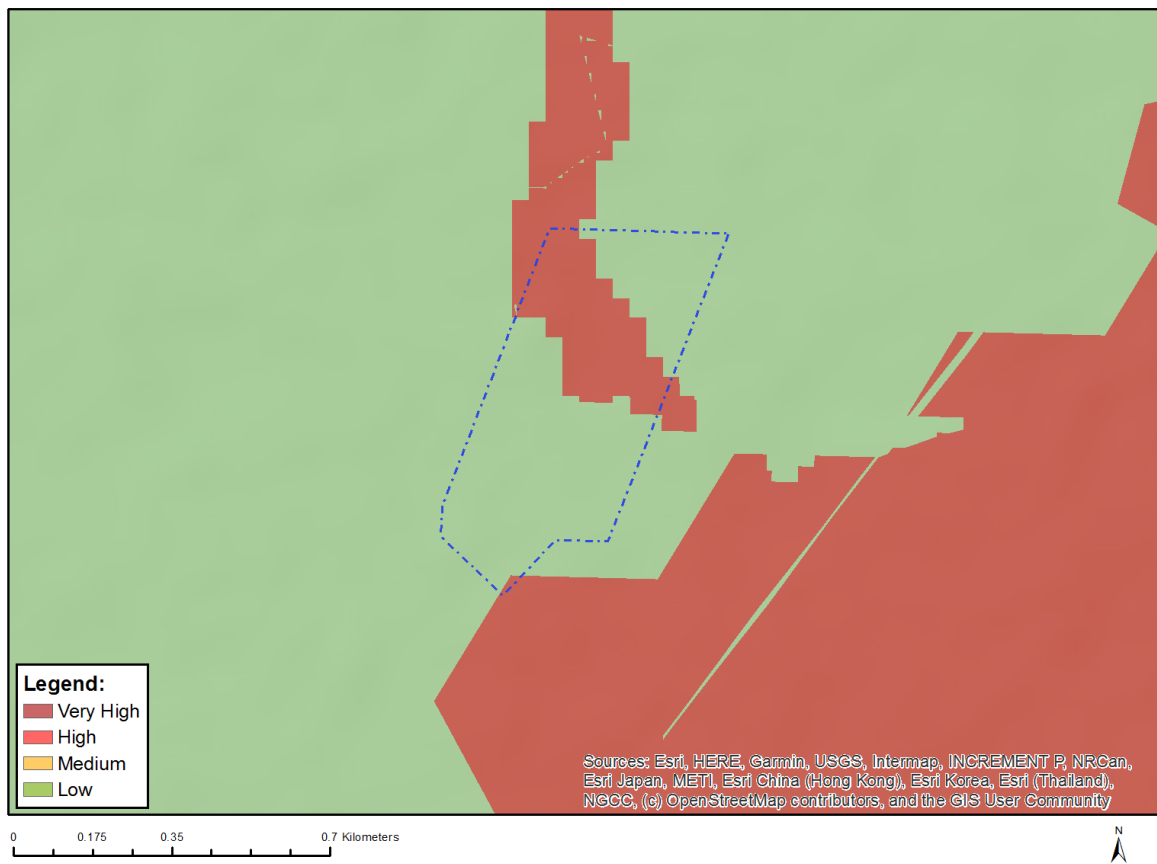


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	Critical biodiversity area 1
Very High	Ecological support area 2

**APPENDIX 12
UNDERTAKING UNDER OATH/ AFFIRMATION**

I, Jacqui Davis, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the Environmental Assessment Practitioner

Nemau Consulting (Pty) Ltd.

Name of Company

29 July 2022

Date

[Signature] 06241701 w/o
RH Ntshabane

Signature of the Commissioner of Oaths

2022-07-29

Date



<p>Et swaer ek dat alle inligging wat my afgestaan is en die verpligting om dit te verskaf is waar en korrek.</p>	<p>I swear that the information submitted by me and that I am submitting is true and correct.</p>
<p>in <u>LINDEN</u> op <u>2022/07/29</u> om <u>09:45</u></p>	<p>at <u>LINDEN</u> on <u>2022/07/29</u> at <u>09:45</u></p>
<p>by <u>[Signature] 06241701 w/o RH Ntshabane</u></p>	<p>by <u>[Signature] 06241701 w/o RH Ntshabane</u></p>
<p>VOLE VOORNAME EN VAN IN DRUKKEDIE FULL FIRST NAMES AND SURNAME IN BLOCK LETTERS</p>	<p>SIGNATURE (COMMISSIONER OF OATHS)</p>
<p><u>30 BOUNDARY ROAD ROBINDALE</u></p>	<p>ESSEKIE EIDSADRES (STRAATADRES) BUSINESS ADDRESS (STREET ADDRESS)</p>
<p><u>RANDBURG</u> <u>w/o</u></p>	<p>SA POLISIEDIENS SA POLICE SERVICE</p>