

APPENDIX B

APPLICATION FORM



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 Parys up to 200MW Solar Photovoltaic (PV) and Battery Energy Storage System (BESS) Hybrid Project near the town of Parys, Free State 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"/>	No	<input type="checkbox"/>
Date of the pre-application meeting	18 November 2021			
Reference number of pre-application meeting held	2021-10-0029			
Was minutes compiled and submitted to the Department for approval	Yes	<input checked="" type="checkbox"/>	No	<input 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 be 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:

Reason(s) in terms of S24C of NEMA:

Department of Forestry, Fisheries and the Environment (DFFE).

This Application is for a Renewable Energy Project (Large Scale Solar PV Energy Development). The Applicant intends to bid for Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) bid windows.

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	Yes	
Payment Reference Number	-26.971565/27.504599	
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014		No

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	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	
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:

Payment Enquiries:

Email: eiafee@environment.gov.za

Banking details:

ABSA Bank

Branch code: 632005

Account number: 1044 2400 72

Current account

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

Status: Tax exempted

3. GENERAL INFORMATION

Name of the Applicant:	Genesis Eco-Energy Developments (Pty) Ltd			
RSA Identity/ Passport Number:	-			
Name of contact person for applicant (if other):	Davin Chown			
RSA Identity/ Passport Number:	6204145181089			
Responsible position, e.g. Director, CEO, etc.:	Director			
Company/ Trading name (if any):	Genesis Eco-Energy Developments Proprietary Limited			
Company Registration Number:	2013/122204/07			
BBBEE status:	Level 2			
Physical address:	Suite 212 2nd Floor Kildare House The Oval 1 Oakdale Road Newlands Cape Town			
Postal address:	PO Box 363 Newlands Cape Town			
Postal code:	7725	Cell:	083 460 3898	
Telephone:	021 0013758	Fax:	086 689 0583	
E-mail:	davin@genesis-eco.com			
Name of the landowner:	Josephus Johannes Dannhauser (landowner for PV Site)			
Name of contact person for landowner (if other):	Seef Dannhauser			
Postal address:	P O Box 445, Parys			
Postal code:	9585	Cell:	082 324 2619	
Telephone:		Fax:		
E-mail:	edenvale.parys@gmail.com			
Name of Person in control of the land:	Same as above for PV Site.			
Name of contact person for person in control of the land:				
Postal address:				
Postal code:				Cell:
Telephone:				Fax:
E-mail:				

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:	Free State Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA)		
Name of contact person:	Grace Mkhosana		
Postal address:	Private Bag X 20801, Bloemfontein		
Postal code:	9300	Cell:	
Telephone:	051 400 4812	Fax:	051 400 4842
E-mail:	mkhosana@destea.gov.za		

Local Municipality:	Ngwathe Local Municipality		
Name of contact person in (Environmental Section)	Nthabeleng Raisa (Environmental Manager)		
Postal address:	PO Box 359, Parys		
Postal code:	9585	Cell:	078 422 6014
Telephone:	056 816 2700	Fax:	056 811 2046
E-mail:	nthabiraisa@gmail.com		

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 Green (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
EAP name:	Donavan Henning		
EAP Qualifications:	MSc Freshwater Ecology		
Professional affiliation/registration:	<ul style="list-style-type: none"> Registered EAP (EAPASA Reg. no. 2020/1217) Registered Professional Natural Scientist (SACNASP Reg no: 400108/17) 		
Physical address:	No. 147 Bram Fischer Drive, Ferndale, 2194		
Postal address:	P.O. Box 1673, SUNNINGHILL		
Postal code:	2157	Cell:	082 891 0604
Telephone:	011 781 1730	Fax:	011 781 1731
E-mail:	donavanh@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.

A. Introduction

Electricity generation sources need to be diversified to ensure security of supply and reduction in the carbon footprint created by the current heavy reliance of South Africa (SA), via Eskom, on coal to produce electricity. The electricity demand is increasing in SA, and in order to match that demand there is a need to supply a diversified power generation that includes renewable energy technologies. These technologies include solar, wind, small utility scale hydro, biomass, biogas and Battery Energy Storage Systems (BESS) that the Department of Mineral Resources and Energy (DMRE) intends to develop and implement as identified in the approved Integrated Resource Plan (IRP) 2019.

Genesis Eco-Energy Developments (Pty) Ltd (the Applicant) has proposed the development of the Parys up to 200MW Solar PV Project and BESS near the town of Parys, in the Free State Province (the "Project"). The electricity generated by the Project will be injected into the existing Eskom 132 kV distribution system. The Applicant intends to bid for the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) bid windows and /or other renewable energy markets within SA, such as the Corporate and Industrial (C&I) Sector.

B. Project Overview

PV technology produces direct current (DC) which is then converted to alternating current (AC) via power electronic inverters. **Figure 1** below provides an overview of a typical Solar PV Power Plant project.

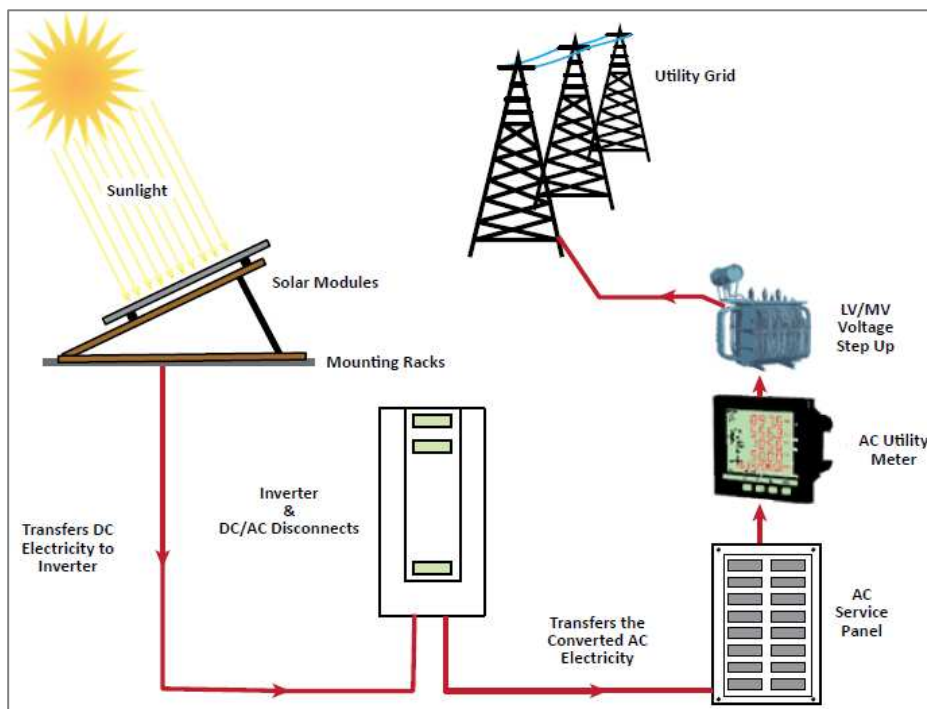


Figure 1: Overview of Solar PV Power Plant

(International Finance Corporation, 2015. Utility-Scale Solar Photovoltaic Power Plants)

The Project is located in the northern part of the Free State Province and falls within the Fezile Dabi District Municipality and Ngwathe Local Municipality. The site is located approximately 3.5km to the south-east of the town of Parys and is crossed by the R723.

The Project consists of the following systems, sub-systems or components (amongst others) (refer to layout provided in **Figure 2** below):

- ☐ PV panel arrays, which are the subsystems which convert incoming sunlight into electrical energy;
- ☐ Mounting structures to support the PV panels;
- ☐ On-site inverters to convert DC to facilitate AC connection between the solar energy facility and electricity grid;
- ☐ Lithium Ion BESS;
- ☐ New 132 kV power lines between the on-site substation and the grid connection point;

- ❑ Cabling between the Project's components, to be laid underground (where practical);
- ❑ Administration Buildings (Offices);
- ❑ Workshop areas for maintenance and storage;
- ❑ Temporary laydown areas;
- ❑ Internal access roads and perimeter fencing of the footprint;
- ❑ High Voltage (HV) Transformers; and
- ❑ Security Infrastructure.

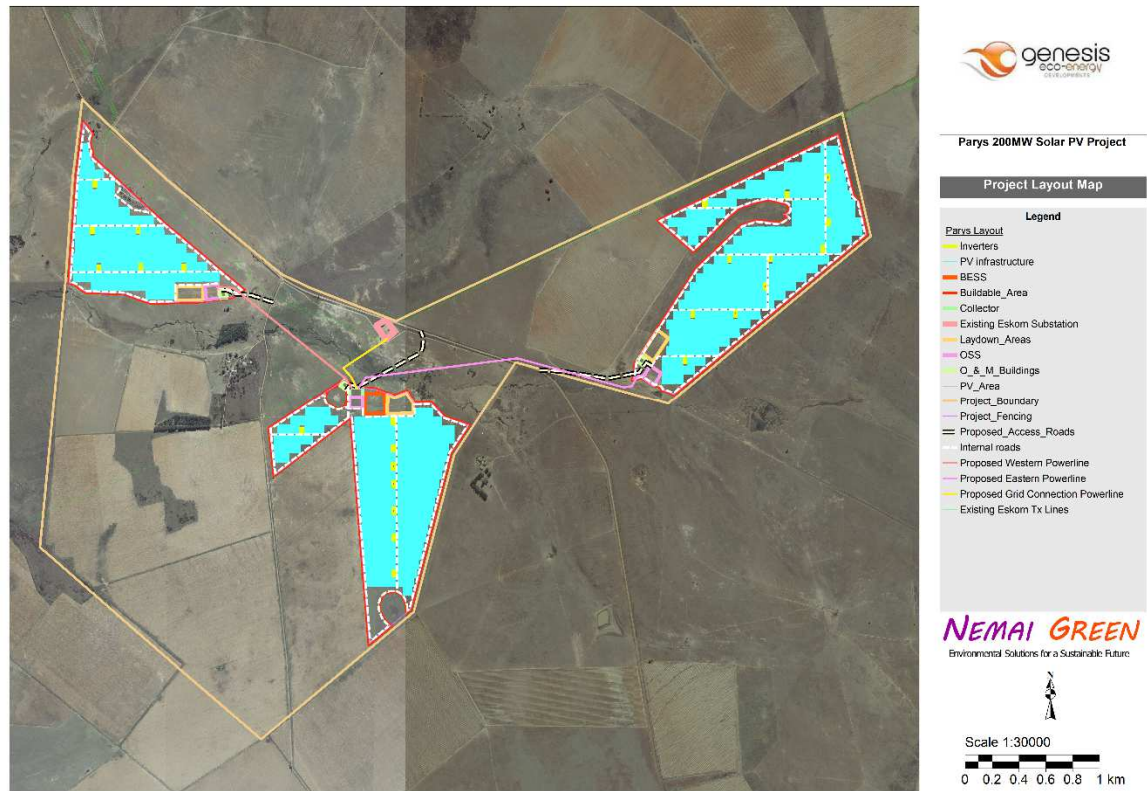


Figure 2: Layout of proposed Project

The electricity generated by the proposed PV facility will be transferred to the existing Eskom Parys Rural 132/11 kV Substation, which is located north of the central PV site area. The proposed powerline from the PV site to the existing Eskom substation tie-in is approximately 0.57 km in length.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?		NO
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	YES	
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?		NO
Did you attached the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP		

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.

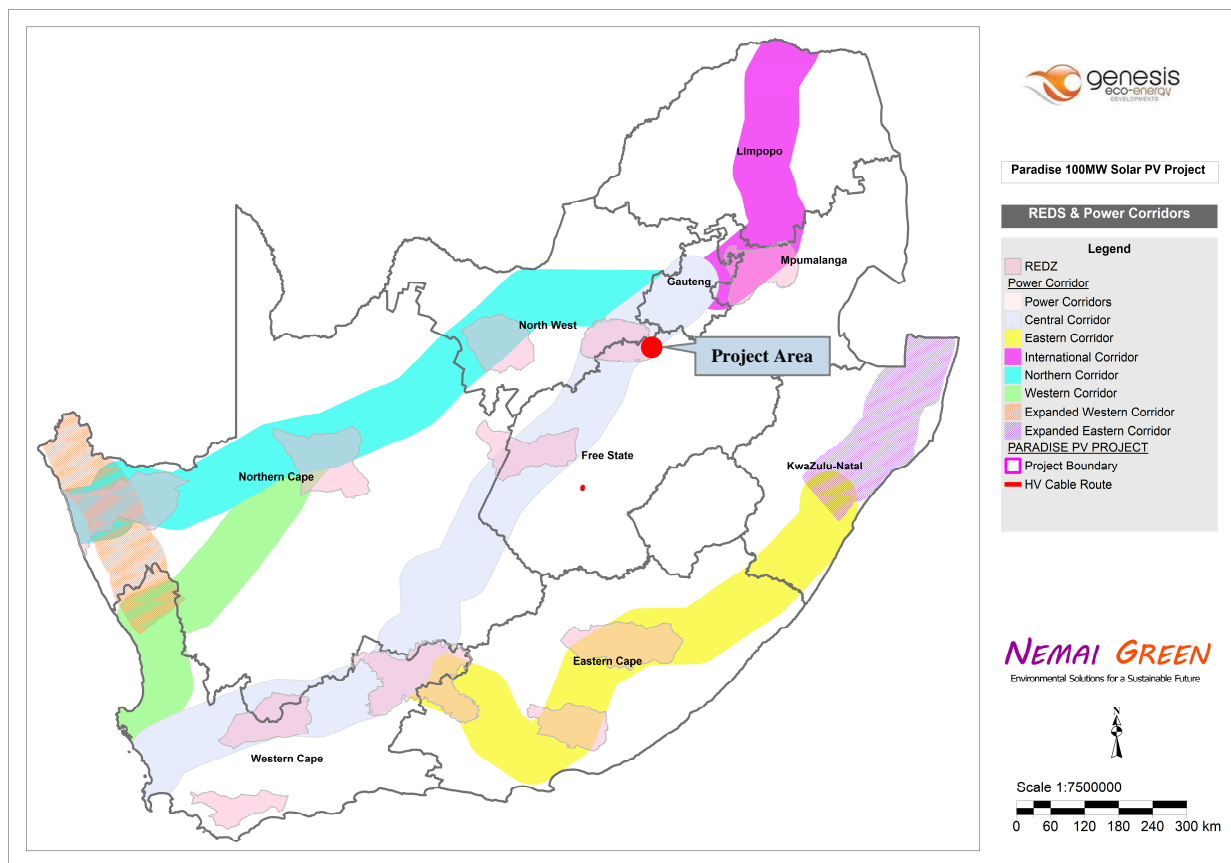


Figure 3: The Project in relation to REDZs and Strategic Transmission Corridors

The Project falls within the Central Strategic Transmission Corridor and on the border of a REDZ. The Project scope is such that the grid connection powerline would be applicable in terms of GN113, however the main scope of the Project is Solar PV and BESS, which fall outside of a REDZ. Therefore a Scoping & EIA process would still apply.

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	42	Services/Waste Management Services/Disposal facilities - General
2	Infrastructure /Transport Services/Roads – Private	43	Services/Waste Management Services/Treatment facilities - Hazardous
3	Infrastructure /Transport Services/Rail – Public	44	Services/Waste Management Services/Treatment facilities - General
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	✓	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 Onsite substations only.	✓	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 1

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
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of: Not applicable.		

6. SITE DESCRIPTION

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

Province/s	Free State
District Municipality/ies	Fezile Dabi District Municipality
Local Municipality/ies	Ngwathe Local Municipality
Ward number/s	Ward 13
Nearest town/s	Parys
Farm name/s and number/s	Refer to Appendix 6 for a list of the properties affected by the proposed project.
Portion number/s	

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**.)

Refer to Appendix 6 for the 21-digit Surveyor General Numbers of the affected properties.				
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);

	<ul style="list-style-type: none"> 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>
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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.
GN No. R.983 – Activity 11(i)	<p>The development of facilities or infrastructure for the transmission and distribution of electricity—</p> <p><u>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or</u></p> <p>(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 —</p> <p>(a) temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) within an existing transmission line servitude; and</p> <p>(d) will be removed within 18 months of the commencement of development.</p>	Proposed 132 kV overhead power lines outside an urban area.
GN No. R.983 – Activity 12(ii)(a) & (c)	<p>The development of -</p> <p>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or</p> <p><u>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</u></p> <p>where such development occurs -</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; -</p> <p>excluding -</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p>	Possible crossing of watercourses by access road network, as well as PV Solar infrastructure (e.g. powerline).

	<p>(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.</p>	
GN No. R.983 – Activity 19	<p>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</p> <p>but excluding where such infilling, depositing, dredging, excavation, removal or moving -</p> <p>(a) will occur behind a development setback;</p> <p>(b) is for maintenance purposes undertaken in accordance with a maintenance management plan;</p> <p>(c) falls within the ambit of activity 21 in this Notice, in which case that activity applies;</p> <p>(d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or</p> <p>(e) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies.</p>	Possible crossing of watercourses by access road network, as well as PV Solar infrastructure (e.g. powerlines).
GN No. R.983 – Activity 24(ii)	<p>The development of a road -</p> <p>(i) for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 545 of 2010; or</p> <p><u>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</u></p> <p>but excluding a road -</p> <p>(a) which is identified and included in activity 27 in Listing Notice 2 of 2014;</p> <p>(b) where the entire road falls within an urban area; or</p> <p>(c) which is 1 kilometre or shorter.</p>	Access roads (construction and operational phases) are expected to exceed thresholds. Internal roads within the PV sites will have a reserve of 12m and be 4m wide. Access roads from the PV sites to the existing roads will have a reserve of 14m and be 8m wide.
GN No. R.983 – Activity 27	<p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for-</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of areas associated with the construction footprint.</p> <p>Status of vegetation to be confirmed as part of the Terrestrial Ecological Impact Assessment.</p>
GN No. R.983 – Activity 28(ii)	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian	Footprint of Project on land that was previously used for agricultural purposes, outside of an urban area.

	<p>purposes or afforestation on or after 01 April 1998 and where such development:</p> <p>(i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or</p> <p><u>(ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;</u></p> <p>excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.</p>	
GN No. R.983 – Activity 48(i)	<p>The expansion of -</p> <p>(i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; or</p> <p>(ii) dams or weirs, where the dam or weir, including infrastructure and water surface area, is expanded by 100 square metres or more;</p> <p>where such expansion occurs -</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>excluding -</p> <p>(aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such expansion occurs within an urban area; or</p> <p>(ee) where such expansion occurs within existing roads, road reserves or railway line reserves.</p>	Possible expansion of infrastructure associated with the development, with a physical footprint of 100 square metres or more within watercourse(s) / within 32 m from watercourse(s).
GN No. R.983 – Activity 56	<p>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre-</p> <p>(i) where the existing reserve is wider than 13,5 meters; or</p> <p>(ii) where no reserve exists, where the existing road is wider than 8 metres;</p> <p>excluding where widening or lengthening occur inside urban areas.</p>	<i>Potential widening of existing farm roads (construction and operational phases).</i>
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.
GN No. R.984 - Activity 1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs -	The proposed Project involves the development of a PV facility and BESS hybrid with a total generation capacity of up to 200MW renewable solar energy.

	(a) within an urban area; or (b) on existing infrastructure.	
GN No. R.984 - Activity 15	The clearance of an area of 20 hectares or more of indigenous vegetation, excluding 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.	Cumulative area to be cleared for entire Project (excluding linear components) will exceed 20 hectares. Status of vegetation to be confirmed as part of the Terrestrial Ecological Impact Assessment.
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.
GN No. R.985 – Activity 4 - (b)(i)(ee)(gg)	The development of a road wider than 4 metres with a reserve less than 13,5 metres. b. Free State i. Outside urban areas: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (gg) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core areas of a biosphere reserve, excluding disturbed areas	Access roads will be 8m width within Critical Biodiversity Area (CBA) in terms of the Free State Biodiversity Plan; access roads fall within 10km of a World Heritage Site.
GN No. R.985 – Activity 12 - (b)(ii) & (iv)	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. b. Free State ii. Within critical biodiversity areas identified in bioregional plans; iv. Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.	Clearance of areas of indigenous vegetation as part of the development footprint (access roads, powerline, PV site sections), including within areas consisting of CBA 2 and within 100 m from the edge of a watercourse or wetland.
GN No. R.985 – Activity 14(ii)(a) & (c) - (b)(i)(ff)(hh)	The development of— (i) dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or (ii) <u>infrastructure or structures with a physical footprint of 10 square metres or more;</u> where such development occurs— (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; b. Free State i. Outside urban areas: (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (hh) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any	Development footprint within watercourse(s) / within 32 m from watercourse(s), within CBA 2 and falling within the Ngwathe EMF, and within 10km of a World Heritage Site.

	other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve.	
GN No. R.985 – Activity no. 18(b)(i)(ee)(gg) & (hh)	The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre. b. Free State i. Outside urban areas: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (gg) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve; or (hh) Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.	Access roads (existing farm roads) to the PV sites (construction and operational phases) may be upgraded, within CBAs and within 100 m from the edge of a watercourse or wetland and within 10km of a World Heritage Site and falling within the Ngwathe EMF.

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.

A. PROJECT ANNOUNCEMENT

Upfront project announcement was undertaken from 31 March to 5 May 2022, prior to the submission of the Application to DFFE.

The following tasks were undertaken during project announcement:

- Compiling a database of authorities and Interested and Affected Parties (I&APs).
- Providing written notices to I&APs by –
 - (a) Fixing notice boards at places conspicuous to and accessible by the public within the project footprint.
 - (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 Councillors of the affected municipal Wards;
 - (iv) Formal organisations or groups in the area;
 - (v) The Ngwathe Local Municipality and Fezile Dabi 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.
 - (d) A Comments and Response Reports (CRR) will be compiled and updated throughout the process. All comments received during the announcement phase will be included in the CRR, which will be appended to the final Scoping Report and draft EIA Report.

B. REVIEW OF DRAFT SCOPING REPORT

1) Access to the Draft Scoping Report

The draft Scoping Report will be uploaded to Nema Green's website and a hardcopy will be placed at a public place such as the public library in Parys.

Copies of the draft Scoping Report will also be distributed to key authorities with jurisdiction, including the following:

- DFFE (including Biodiversity Conservation Unit);
- Free State Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEAT);
- Department of Water and Sanitation (DWS): Free State Region;
- Department of Mineral Resources and Energy (DMRE);
- Free State Department of Police, Roads and Transport (DPRT);
- Free State Provincial Heritage Resources Agency (FSHRA);
- Fezile Dabi District Municipality; and
- Ngwathe Local Municipality.

2) Notification of Review

Authorities and registered I&APs will be notified in writing of the review of the draft Scoping Report. All notifications will be sent via email and/or as registered mail, and a notice will be placed in a local newspaper. Authorities and I&APs will be provided 30 days to comment on the draft Scoping Report.

C. REVIEW OF DRAFT EIA REPORT

1) Access to the Draft EIA Report

The draft EIA Report will be uploaded to Nema Green's website and a hardcopy will be placed at a public place such as the public library in Parys.

Copies of the draft EIA Report will also be distributed to key authorities with jurisdiction, including the following:

- DFFE (including Biodiversity Conservation Unit);
- DESTEAT;
- DWS: Free State Region;
- DMRE;
- DPRT;
- FSHRA;
- Fezile Dabi District Municipality; and
- Ngwathe Local Municipality.

2) Notification of Review

Authorities and registered I&APs will be notified in writing of the review of the draft EIA Report. All notifications will be sent via email and/or as registered mail. Authorities and I&APs will be provided 30 days to comment on the draft EIA Report.

3) Authorities Meeting

An authorities meeting will be conducted virtually via Microsoft Teams during the review period. Authorities will be notified separately of the review of the draft EIA Report and of the authorities meeting. In the notification, we will request authorities to confirm their interest in partaking in the authorities meeting in writing prior to the date of notification. Participants will thus be pre-registered. Only the pre-registered parties that confirmed interest will receive a meeting invitation to the virtual meeting, with the link to join. Depending on the interest shown, and to manage the number of participants, an additional authorities' meeting may need to be scheduled.

4) Public Meeting

A public meeting will be convened at a suitable venue (e.g. community hall/virtually) during the review period. I&APs will be notified separately of the review of the draft EIA Report and of the public meeting. In the notification, we will

request I&APs to confirm their interest in attending the public meeting in writing. Attendees will thus be pre-registered. Only the pre-registered parties that confirmed interest will receive a meeting invitation to the public meeting. Depending on the interest shown, and to manage the number of participants, an additional public meeting may need to be scheduled.

D. NOTIFICATION OF DECISION

Registered I&APs will be notified in writing of DFFE's decision and of the appeal process, in accordance with the National Appeal Regulations, 2014.

9. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		NO
If YES, please indicate the following:		
Competent Authority		
Application Reference Number		
Project Name		
Please provide details of the steps taken to ascertain this information:		
According to the SA Renewable Energy EIA Application (REEA) Database, no previous applications were made on the property in question.		

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		
National Water Act (Act No. 36 of 1998)	YES			NO
National Environmental Management: Air Quality Act (Act No. 39 of 2004)		NO		
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	<i>To be confirmed</i>			NO
National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)		NO		
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)		NO		
National Environmental Management: Waste Act (Act No. 59 of 2008)		NO		
Others: Please specify	YES	NO	YES	NO
<i>National Heritage Resources Act (Act No. 25 of 1999)</i>	<i>To be confirmed</i>			NO

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	
APPENDIX 2	Proof of Payment / Motivation for exclusion	YES	
APPENDIX 3	List of land owners (with contact details) and written consent of land owners.	YES	
APPENDIX 4	List of Local/Provincial Authority involved (with contact details)	YES	
APPENDIX 5	Strategic Infrastructure Projects		NO
APPENDIX 6	List of SGIDs and coordinates	YES	
APPENDIX 7	Locality map	YES	
APPENDIX 8	Project schedule	YES	
APPENDIX 9	Declaration of Applicant	YES	
APPENDIX 10	Declaration of EAP and undertaking under oath or affirmation	YES	
APPENDIX 11	Screening Tool Report	YES	
APPENDIX 12	Undertaking under Oath / Affirmation	YES	

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:	Donavan Henning ☎ 011 781 1730 ✉ 011 781 1731 ✉ donavanh@nema.co.za
Applicant:	Genesis Eco-Energy Developments (Pty) Ltd	Project Name:	Proposed Solar Photovoltaic (PV) Projects in the Free State Province: 1. Altina 120MW Solar PV Project near the town of Orkney 2. Parys 360MW Solar PV Project near the town of Parys 3. Paradise 100MW Solar PV Project south of Bloemfontein
Date:	18 November 2021	Time:	11:00 AM - 12:00 PM
Facilitator:	D. Henning	Venue:	Microsoft Teams Meeting

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.

A. ATTENDANCE

Attendees	Organisation	Email
Lerato Mokoena	DFFE	lmokoena@dffe.gov.za
Azrah Essop	DFFE	aessop@dffe.gov.za
Kaven Chetty	Genesis Eco-Energy Developments (Pty) Ltd	kaven.chetty@genesis-eco.com
Donavan Henning	Nemai Consulting (Pty) Ltd	donavanh@nema.co.za

Apologies

- Jay-Jay Mpelane (DFFE);
- Constance Musemburi (DFFE).

B. DISCUSSION

Item.	Description	Action	Target Date
1.	<u>WELCOME AND INTRODUCTION</u>		
1.1	The Pre-Application Meeting with the Department of Forestry, Fisheries and the Environment (DFFE) for the proposed Altina 120MW, Parys 360MW and Paradise 100MW Solar Photovoltaic (PV) Projects in the Free State Province commenced at approximately 11H00. D. Henning, who is the appointed Environmental Assessment Practitioner (EAP), acted as the facilitator for the meeting and requested a round of introductions.	-	-
2.	<u>PURPOSE OF THE MEETING</u>		
2.1	D. Henning indicated that the objectives of the meeting included the following: <ul style="list-style-type: none"> • To present an overview of the Solar PV Projects to DFFE; • To seek clarification regarding certain matters that pertain to the Environmental Assessment Processes; and • To determine DFFE's requirements. 	-	-

Item.	Description	Action	Target Date
3	<u>CONFIRMATION OF AGENDA</u>		
3.1	The agenda was accepted without any amendments.	-	-
4.	<u>PROJECT OVERVIEW</u>		
4.1	D. Henning provided an overview of the proposed Project (refer to the presentation contained in Appendix A).	-	-
5.	<u>RENEWABLE ENERGY DEVELOPMENT ZONES</u>		
5.1	D. Henning indicated that the proposed Altina 120MW Solar PV Project is located within the Klerksdorp Renewable Energy Development Zone (REDZ).	-	-
6.	<u>OVERVIEW OF ENVIRONMENTAL ASSESSMENT PROCESSES</u>		
6.1	Basic Assessment Process Outline & Timeframes (Altina120MW Solar PV Project)		
6.1.1	D. Henning presented the approach to the Basic Assessment Process, as well as the associated timeframes, for the proposed Altina120MW Solar PV Project (refer to the presentation contained in Appendix A).	-	-
6.1.2	A. Essop noted that a Public Participation Plan (PPP) first needs to be submitted to DFFE for approval before an Application for Environmental Authorisation can be submitted. D. Henning indicated that a PPP will be submitted to DFFE in due course, prior to the submission of the Application.	EAP	22/11/2021
6.1.3	L. Mokoena asked whether the Announcement Phase will include any public participation tasks that need to be included in the PPP. D. Henning confirmed that the following public participation tasks, in terms of the Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), will be undertaken during the Announcement Phase, which will be reflected in the PPP: <ul style="list-style-type: none"> • Placing site notices; • Placing a newspaper advertisement; and • Sending notification emails. D. Henning further noted that following the Announcement Phase, only registered Interested and Affected Parties (I&APs) will be informed of the review of the draft Environmental Assessment Reports and site notices and newspaper advertisements will not be placed again.	-	-
6.2	Scoping and Environmental Impact Reporting Process Outline & Timeframes (Parys 360MW & Paradise100MW Solar PV Projects)		
6.2.1	D. Henning presented the approach to the Scoping and Environmental Impact Reporting Processes, as well as the associated timeframes, for the proposed Parys 360MW and Paradise100MW Solar PV Projects (refer to the presentation contained in Appendix A).	-	-
6.3	Public Participation Plan		
6.3.1	D. Henning reiterated that a PPP will be compiled, which will be submitted to DFFE prior to the lodging of the Applications.	-	-

Item.	Description	Action	Target Date
6.3.2	D. Henning indicated that the Applicant has Option to Lease Agreements with the respective landowners. He enquired whether such these agreements would suffice in terms of the landowner consent requirement. A. Essop noted that it is up to the Applicant to decide. L. Mokoena indicated that the agreements would suffice.	-	-
6.4	Listed Activities		
6.4.1	D. Henning provided an overview of the listed activities in Listing Notices 1, 2 and 3 of the EIA Regulations of 2014 (as amended) that are thought to be triggered by the proposed Solar PV Projects. He also presented the preliminary sensitivity maps for the three sites.	-	-
6.5	Alternatives		
6.5.1	D. Henning indicated that the following alternatives may be considered for the Project: <ul style="list-style-type: none"> Layout alternatives (based on findings of specialist studies); and Technology alternatives. 	-	-
6.5.2	A. Essop stated that a motivation needs to be provided why site alternatives are not being considered.	-	-
6.6	Specialist Studies		
6.6.1	D. Henning noted that the following specialist studies were identified to assess the Project: <ul style="list-style-type: none"> Aquatic Impact Assessment and Delineation; Terrestrial Ecological Impact Assessment; Avifaunal Impact Assessment; Phase 1 Heritage Impact Assessment; Desktop Palaeontological Impact Assessment; Agricultural Impact Assessment; and Social Impact Assessment. 	-	-
6.6.2	D. Henning mentioned that according to National Web-based Environmental Screening Tool, one of the PV sites is associated with high sensitivity in terms of the RFI theme. He noted that this will be examined further.	-	-
6.6.3	A. Essop asked whether a Visual Impact Assessment will also be undertaken. D. Henning indicated that the need for this study will be considered further in light of the visual receptors surrounding the PV sites.	EAP	Tbc
6.7	Environmental Assessment Reports		
6.7.1	D. Henning indicated that the draft Basic Assessment Report (Altina 120MW Solar PV Project) and draft Scoping Reports (Parys 360MW and Paradise100MW Solar PV Projects) will be submitted to DFFE together with the Application Forms to facilitate adherence to the regulated timeframes.	-	-
6.7.2	D. Henning stated that copies of the draft Environmental Assessment Reports will be provided to authorities with jurisdiction, which include the following: <ul style="list-style-type: none"> DFFE; 	-	-

Item.	Description	Action	Target Date
	<ul style="list-style-type: none"> Free State Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA); Department of Water and Sanitation (DWS): Free State Regional Office; Free State Department of Police, Roads and Transport (DPRT); South African National Roads Agency SOC Ltd (SANRAL); South African Heritage Resources Agency (SAHRA) / Free State Heritage Resources Authority (FSHRA); Department of Mineral Resources and Energy (DMRE); and The affected municipalities. 		
6.7.3	L. Mokoena indicated that the DFFE Biodiversity Conservation Unit must be included in the list of authorities to receive copies of the draft Environmental Assessment Reports.	-	-
6.8	Comments & Responses Report		
6.8.1	<p>D. Henning noted the following in terms of the Comments and Responses Report (CRR):</p> <ul style="list-style-type: none"> DFFE's format will be used for the CRR; The comments from the Announcement Phase and from the review of the draft Environmental Assessment Reports will be included verbatim in the respective CRR's; and Responses will be included from the Applicant, technical team, EAP and environmental specialists (as relevant) in the respective CRR's. 	-	-
6.9	BirdLife South Africa Guidelines		
6.9.1	D. Henning noted that according to the BirdLife South Africa (BLSA) Guidelines for Assessing and Monitoring the Impact of Solar Power Generating Facilities on Birds in Southern Africa, if the area to be disturbed exceeds 150 Ha then a Regime 2 avian assessment is required. He indicated that the first monitoring event of the Avifaunal Impact Assessment will determine the avian sensitivity of the site and will recommend way forward in consultation with BLSA.	-	-
6.10	Environmental Authorities Meeting		
6.10.1	D. Henning mentioned that an Environmental Authorities Meeting will be scheduled during the review of the draft Environmental Assessment Reports.	-	-
7.	<u>DFFE's REQUIREMENTS</u>		
7.1	A. Essop noted that DFFE updated the online submission document, which will be provided to the EAP when a password is received for the online system. She also noted that all templates are available on DFFE's website.	-	-
7.2	K. Chetty noted that the Applicant intends to bid for the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) Bid Window 6, which is expected to be launched by the DMRE in January 2022. He indicated that one of the key environmental consents that will be required for each Project is the Environmental Authorisation. He asked whether there is any way in which the Department's decision-making	-	-

Item.	Description	Action	Target Date
	<p>timeframes could be expedited, also considering that the Parys PV Site is located alongside a REDZ.</p> <p>L. Mokoena stated that the only way in which the process can be expedited is if the project team keeps to their programme and produces quality work. He indicated that the Department's timeframes could not be reduced and that the regulated timeframes would be followed.</p> <p>A. Essop stated that the Government Notice provides clear guidance on the process to follow when a project falls within a REDZ. She also noted that the boundaries of the gazetted REDZ cannot be changed to encompass the Parys PV Site.</p>		
8.	<u>CLOSE</u>		
8.1	The meeting was concluded at approximately 11h40.	-	-

Minutes Complied By:

Nemai Consulting


D. Henning

13 December 2021

Date

Minutes Accepted By:

DFFE

Date

APPENDIX 2
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION

CUSTOMER ALL PAYMENTS FINAL AUDIT REPORT

Customer No	996621523	User Name	NEMAI CONSULTING CC
User ID	QMI54	Reference	2022248001
Sub Module	SSVS	Action date	20220905
Description	CASH PMTS 20220905		
Finalreleasingoperators	EA505 C CHIDLEY		N/A
Sub-batch	001	From Account no	0000220037515
		From Account Name	NEMAI CONSULTING CC
Trans No	1		
Acc No / CDI	1044240072		
Branch No	632005		
Statement Ref	-26.971565/27.504599		
Account Name	DFFE		
Creditor Code			
Amount	10,000.00		
StatusDescription	FINAL AUDIT TO BE DOWNLOADED		
RTGS/RTC			
ISN/Bus Ref	0		
Pay Alert	N		

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

3A. LIST OF DIRECTLY AFFECTED PROPERTIES

Farm Name	Portion / Erf	Landowner
PV Sites and Powerline Routes and Access Roads		
LEEUEWKUIL 76	0	SEEF DANNHAUSER FAMILIE TRUST
Power Line Tie-in to Existing Substation		
LEEUEWKUIL 76	4	ESKOM HOLDINGS LTD

3B. WRITTEN CONSENT OF LAND OWNER (PV SITE)

**PROPOSED PARYS 360MW SOLAR PHOTOVOLTAIC PROJECT
NEAR THE TOWN OF PARYS, FREE STATE PROVINCE**

LANDOWNER CONSENT

Consent in terms of Regulation 39 of the Environmental Impact Assessment (EIA) Regulations of 2014 (as amended), promulgated under the National Environmental Management Act (Act No. 107 of 1998) (NEMA), by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question.

CONTACT INFORMATION

Name of landowner/
person in control of the land
Trading name (if any):
Contact person:
Physical address:
Postal address:
Postal code:
Telephone:
E-mail:

JJ Dannhauser	
Sect Dannhauser	
8 Rubinstein	
PO Box 456 Parys	
9585	Cell: 0823292619
	Fax:
edenwate.parys@gmail.com	

CONSENT

1. I/we the undersigned (insert the name/s of the owner/s of the land)

JOSEPHUS JOHANNES DANNHAUSER

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

I.D. NO. 4304095022085

and/are the registered owner/s of the property/ies (insert description of the property/ies and title deed numbers)

REMAINDER OF THE FARM LEEUWKUIL NO. 76,
DIVISION PARYS FREE STATE PROVINCE, IN EXTENT
1215,4867 HECTARES, HELD BY DEED OF TRANSFER
NO. T13637/2005.

2. I/we hereby give consent to the Applicant (insert the name/s of the applicant/person/s)

GENESIS ECO-ENERGY DEVELOPMENTS (PTY) LTD

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

2013/122204/07

to undertake the following development on the property/ies:

ENVIRONMENTAL IMPACT ASSESSMENT
PROCESS

Signature of landowner/person in control of the land or authorised representative

Date

2022/09/04

APPENDIX 4
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED

Note: See details in Section 3 above.

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>

Indicate capacity in MW:
<p>SIP 9: Electricity generation to support socioeconomic development</p> <p>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>
Indicate capacity in MW:
<p>SIP 10: Electricity transmission and distribution for all</p> <p>Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development.</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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.</p> <p>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.</p> <p>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</p> <p>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</p> <p>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 Voëlvelei 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
- f. 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.

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

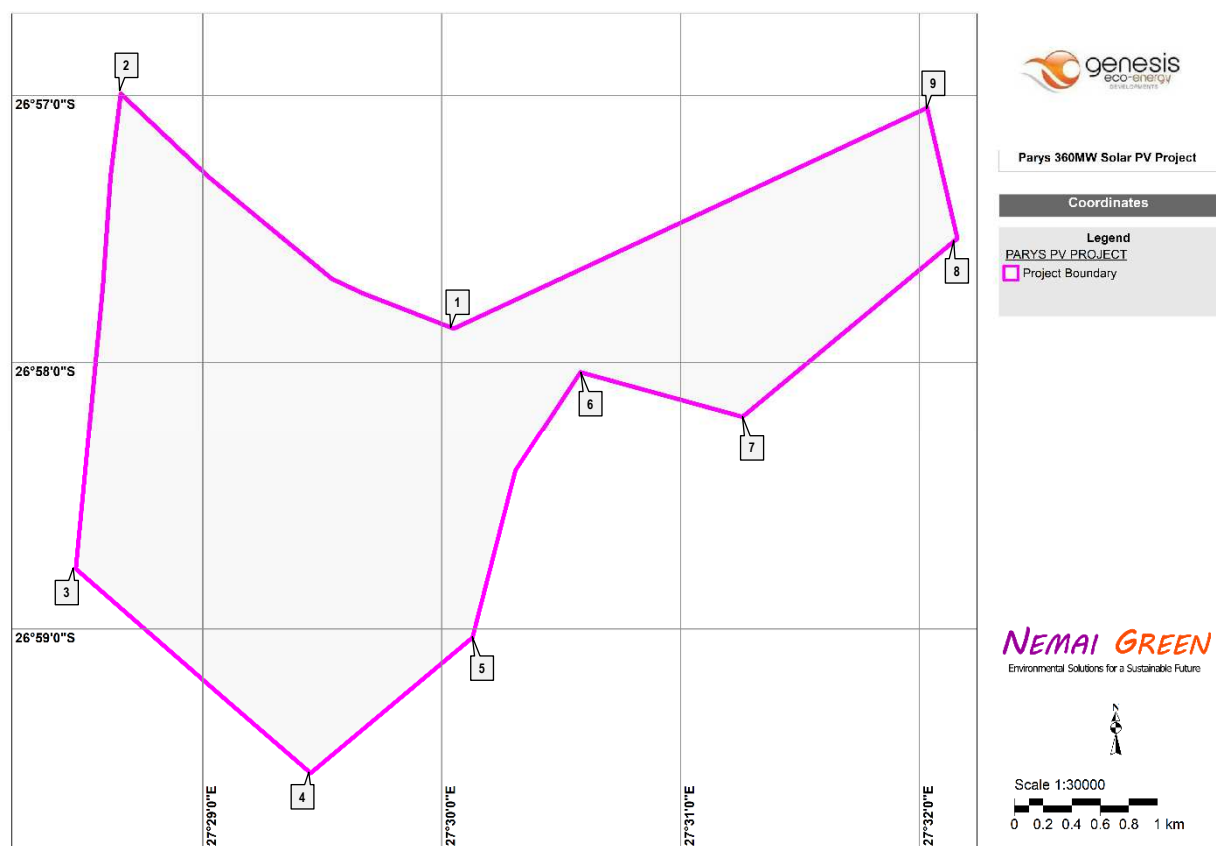
6A. LIST OF SGIDS OF DIRECTLY AFFECTED PROPERTIES

Farm Name	Portion / Erf	21-digit Surveyor General No.
PV Sites and Powerline Routes and Access Roads		
LEEUKUIL 76	0	F02500000000007600000
Power Line Tie-in to Existing Substation		
LEEUKUIL 76	4	F02500000000007600004

6B. COORDINATES OF PV SITE PROPERTY & POWER LINE ROUTE

Coordinates of PV Site Property (refer to figure below):

1. 26°57'52.331"S; 27°30'03.0427"E;
2. 26°56'59.5756"S; 27°28'39.4079"E;
3. 26°58'46.4992"S; 27°28'28.1053"E;
4. 26°59'32.271"S; 27°29'27.074"E;
5. 26°59'01.8989"S; 27°30'07.7706"E;
6. 26°58'02.1677"S; 27°30'34.8912"E;
7. 26°58'12.1591"S; 27°31'15.5834"E;
8. 26°57'32.1163"S; 27°32'09.5388"E; and
9. 26°57'02.7454"S; 27°32'01.9684"E.



Coordinates of Power Line Route:

The Project's coordinates are as follows (shown in **Table 3, 4 and 5** below):

☐ PV Site Boundaries –

Description	Coordinates
PV Area 1 (Eastern Site)	
Corner and Bend Coordinates of buildable area	26°57'28.33"S; 27°31'12.82"E
	26°57'7.85"S; 27°32'0.88"E

Description	Coordinates
	26°57'22.44"S; 27°32'5.08"E
	26°57'23.72"S; 27°32'6.47"E
	26°57'31.78"S; 27°32'8.55"E
	26°58'10.06"S; 27°31'16.97"E
	26°58'9.72"S; 27°31'16.33"E
	26°58'8.91"S; 27°31'13.74"E
	26°58'8.05"S; 27°31'13.08"E
	26°58'8.04"S; 27°31'11.94"E
	26°58'6.04"S; 27°31'8.66"E
	26°58'6.45"S; 27°31'5.87"E
	26°58'6.03"S; 27°31'6.05"E
	26°58'2.37"S; 27°31'6.62"E
	26°57'39.82"S; 27°31'22.92"E
	26°57'29.43"S; 27°31'35.10"E
	26°57'28.25"S; 27°31'38.92"E
	26°57'28.85"S; 27°31'45.14"E
	26°57'27.75"S; 27°31'47.26"E
	26°57'26.70"S; 27°31'46.35"E
	26°57'25.52"S; 27°31'47.77"E
	26°57'24.50"S; 27°31'46.95"E
	26°57'23.54"S; 27°31'42.19"E
	26°57'24.43"S; 27°31'37.75"E
	26°57'25.60"S; 27°31'34.35"E
	26°57'35.90"S; 27°31'22.24"E
PV Area 2 (Central/southern Site)	
Corner and Bend Coordinates of buildable area	26°58'18.06"S; 27°29'29.07"E
	26°58'6.25"S; 27°29'49.11"E
	26°58'8.15"S; 27°29'53.87"E
	26°58'8.44"S; 27°29'57.51"E
	26°58'10.09"S; 27°30'2.57"E
	26°58'8.89"S; 27°30'6.03"E
	26°58'11.87"S; 27°30'7.96"E
	26°58'11.88"S; 27°30'12.40"E
	26°58'15.24"S; 27°30'15.95"E
	26°58'17.32"S; 27°30'22.66"E
	26°58'24.08"S; 27°30'17.71"E
	26°59'1.41"S; 27°30'6.99"E

Description	Coordinates
	26°59'2.37"S; 27°30'5.69"E
	26°58'58.70"S; 27°30'5.07"E
	26°58'57.61"S; 27°30'0.15"E
	26°59'1.80"S; 27°29'58.91"E
	26°59'5.14"S; 27°30'1.92"E
	26°59'9.67"S; 27°29'55.79"E
	26°58'15.69"S; 27°29'50.87"E
	26°58'29.58"S; 27°29'30.45"E
PV Area (Western Site)	
Corner and Bend Coordinates of buildable area	26°57'43.36"S; 27°28'35.75"E
	26°57'18.03"S; 27°28'37.75"E
	26°57'4.63"S; 27°28'39.61"E
	26°57'7.63"S; 27°28'42.20"E
	26°57'9.60"S; 27°28'41.57"E
	26°57'11.66"S; 27°28'42.13"E
	26°57'13.14"S; 27°28'42.11"E
	26°57'44.91"S; 27°29'22.60"E
	26°57'46.80"S; 27°29'19.39"E
	26°57'47.85"S; 27°29'10.42"E
	26°57'48.15"S; 27°28'57.58"E
	26°57'45.94"S; 27°28'50.44"E
	26°57'45.60"S; 27°28'40.51"E
	26°57'45.30"S; 27°28'39.73"E
	26°57'43.73"S; 27°28'37.35"E

❑ **Powerline routes** (bend points) –

Description	Coordinates
PV Area 1 (Eastern Site) connecting powerline	
Start point (at PV area onsite substation)	26°58'5.19"S; 27°31'9.60"E
Bend 1	26°58'5.49"S; 27°31'7.39"E
Bend 2	26°58'7.87"S; 27°31'5.91"E
Bend 3	26°58'8.19"S; 27°31'3.84"E
Bend 4	26°58'1.20"S; 27°30'35.38"E
Bend 5	26°58'5.77"S; 27°29'55.12"E
End point (at Collector substation)	26°58'8.41"S; 27°29'52.96"E
PV Area 2 (Central/southern Site) connecting powerline	

Description	Coordinates
Start point (at PV area collector substation)	26°58'8.37"S; 27°29'52.63"E
Bend 1	26°58'5.69"S; 27°29'51.07"E
Bend 2	26°58'3.55"S; 27°29'48.94"E
Bend 3	26°57'57.11"S; 27°29'59.96"E
End point (at Eskom substation)	26°57'56.62"S; 27°30'0.60"E
PV Area (Western Site) connecting powerline	
Start point (at PV area onsite substation)	26°57'44.14"S; 27°29'15.23"E
Bend 1	26°57'44.50"S; 27°29'19.82"E
Bend 2	26°58'6.15"S; 27°29'49.68"E
End point (at Collector substation)	26°58'8.53"S; 27°29'51.40"E

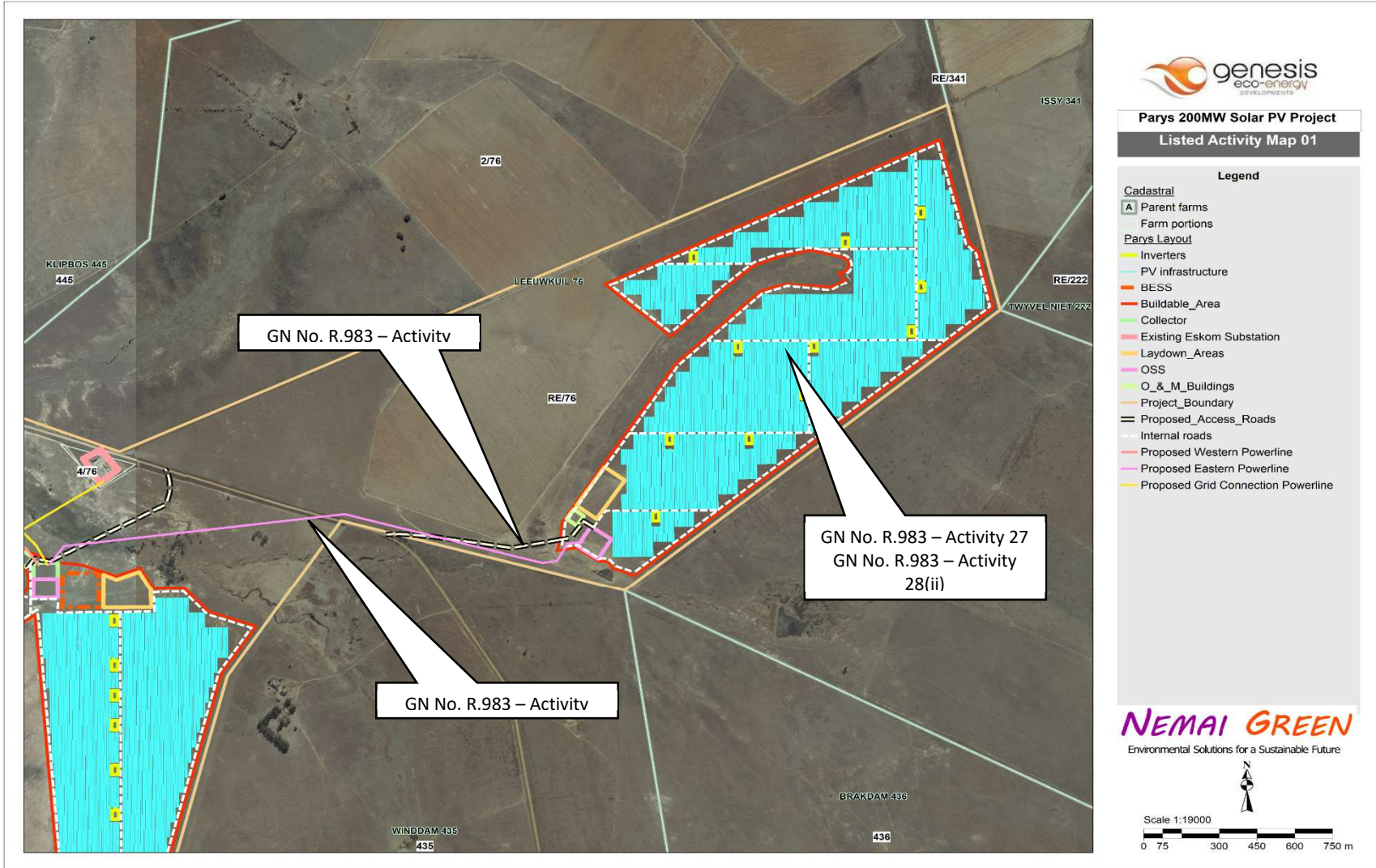
❑ **Access road routes (bend points) –**

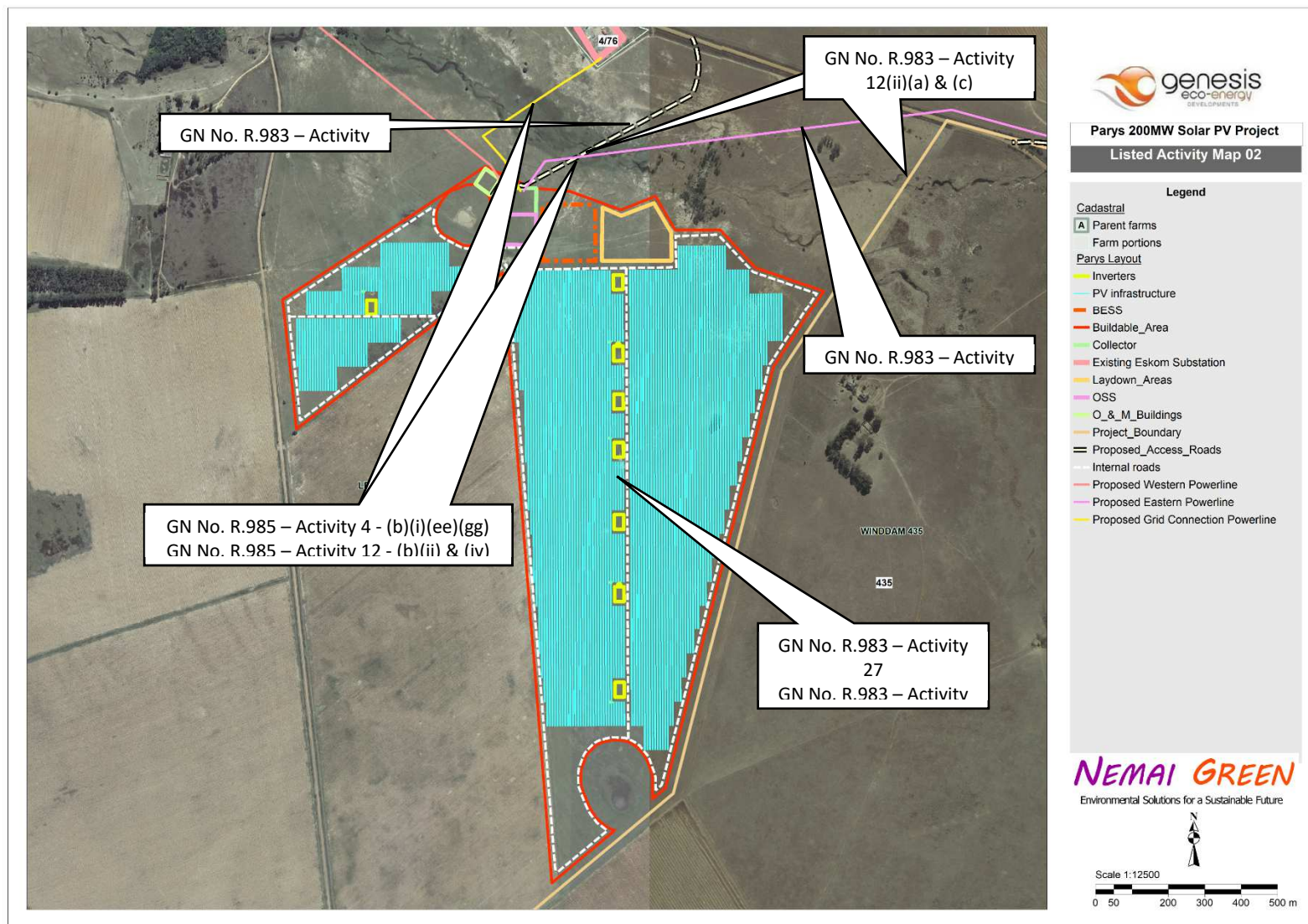
Description	Coordinates
PV Area 1 (Eastern Site) access road	
Start point (at PV area)	26°58'4.84"S; 27°31'6.46"E
Bend 1	26°58'6.04"S; 27°30'59.40"E
Bend 2	26°58'4.44"S; 27°30'47.97"E
Bend 3	26°58'4.04"S; 27°30'43.22"E
End point (at existing road tie-in)	26°58'4.11"S; 27°30'41.43"E
PV Area 2 (Central/southern Site) access road	
Start point (at PV area)	26°58'7.96"S; 27°29'53.02"E
Bend 1	26°57'59.90"S; 27°30'9.58"E
Bend 2	26°57'57.45"S; 27°30'10.29"E
End point (at existing road tie-in)	26°57'54.92"S; 27°30'9.68"E
PV Area (Western Site) access road	
Start point (at PV area)	26°57'44.92"S; 27°29'16.75"E
Bend 1	26°57'44.93"S; 27°29'17.99"E
Bend 2	26°57'45.96"S; 27°29'20.45"E
Bend 3	26°57'46.10"S; 27°29'24.09"E
Bend 4	26°57'47.40"S; 27°29'28.71"E
End point (at existing road tie-in)	26°57'47.74"S; 27°29'30.21"E

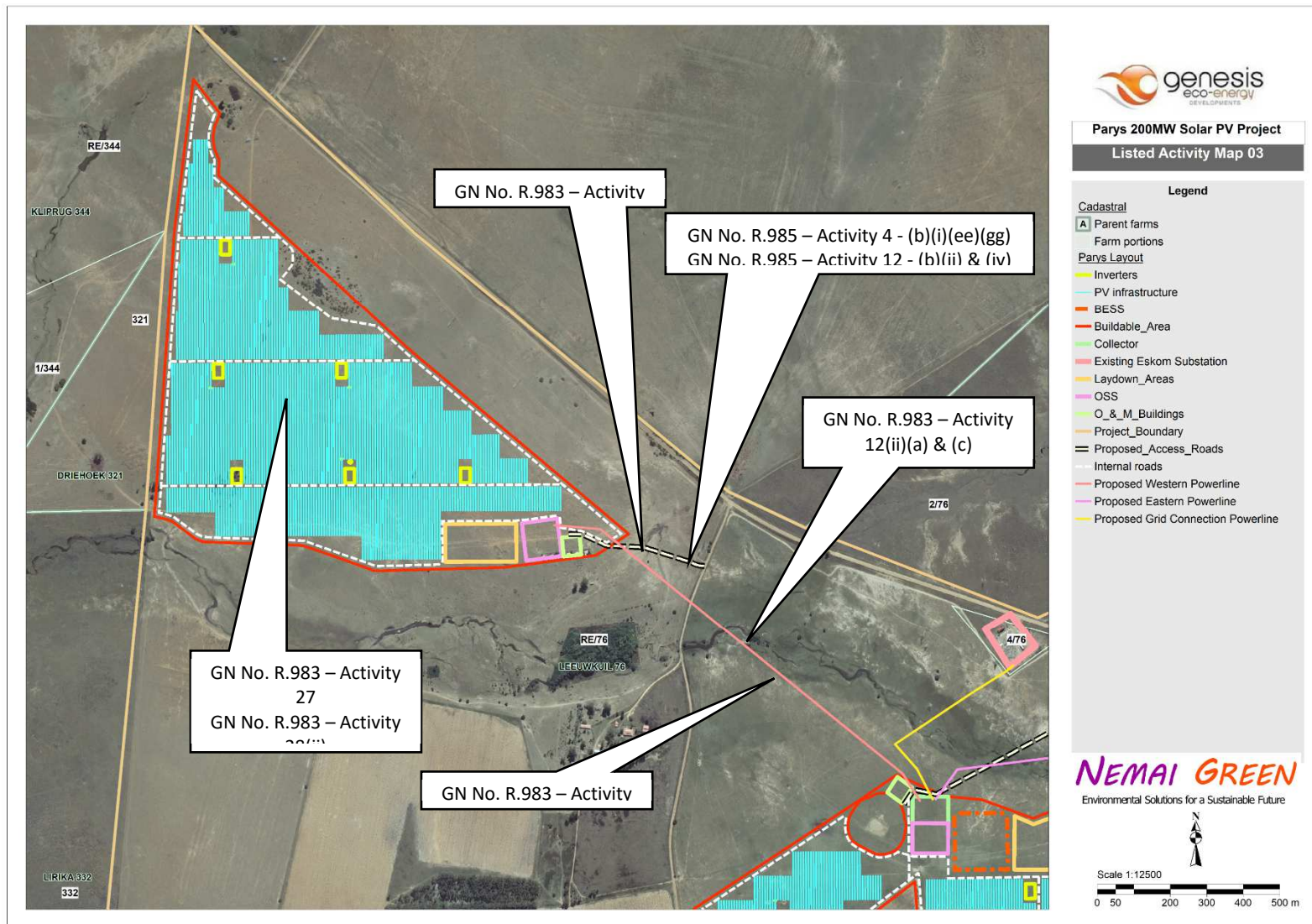
6C. COORDINATES OF LISTED ACTIVITIES

Note: The coordinates of the listed activities will be confirmed during the course of the EIA process, as the layout may be adjusted to respond to the findings of the specialist studies (as required).

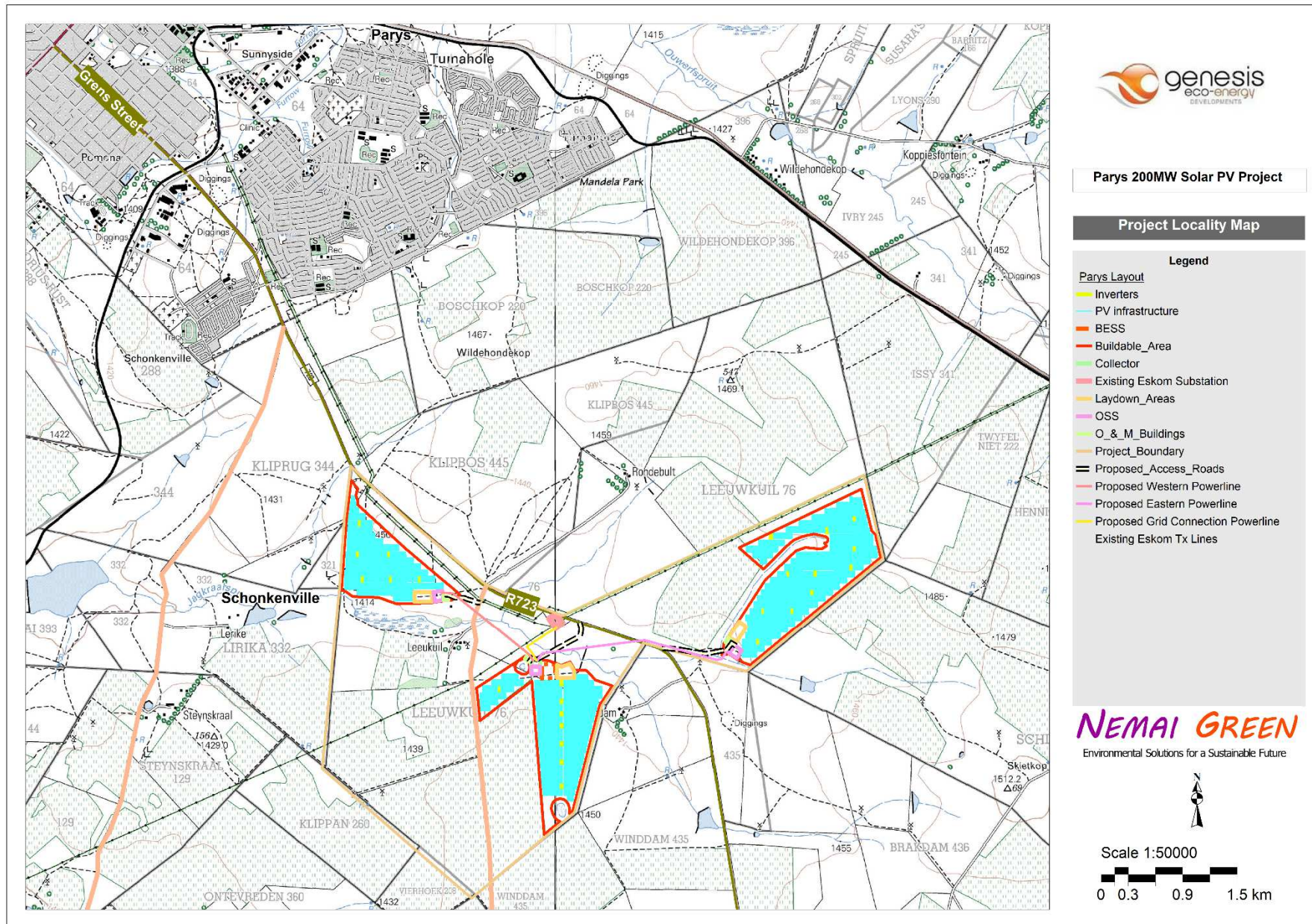
Maps are provided below showing the listed activities in relation to the current project layout. Coordinates will be provided in the EIA phase once the layout is confirmed.

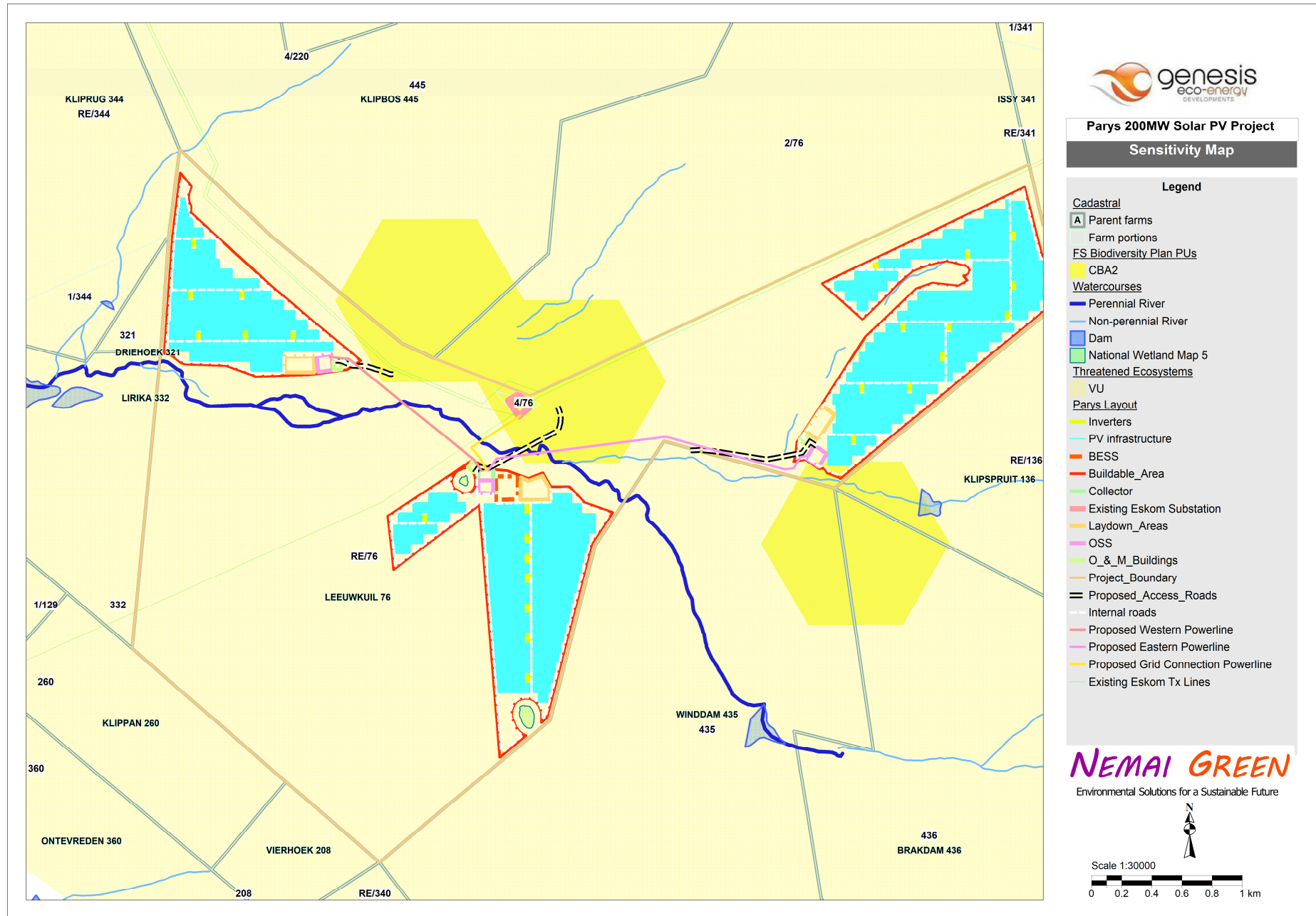






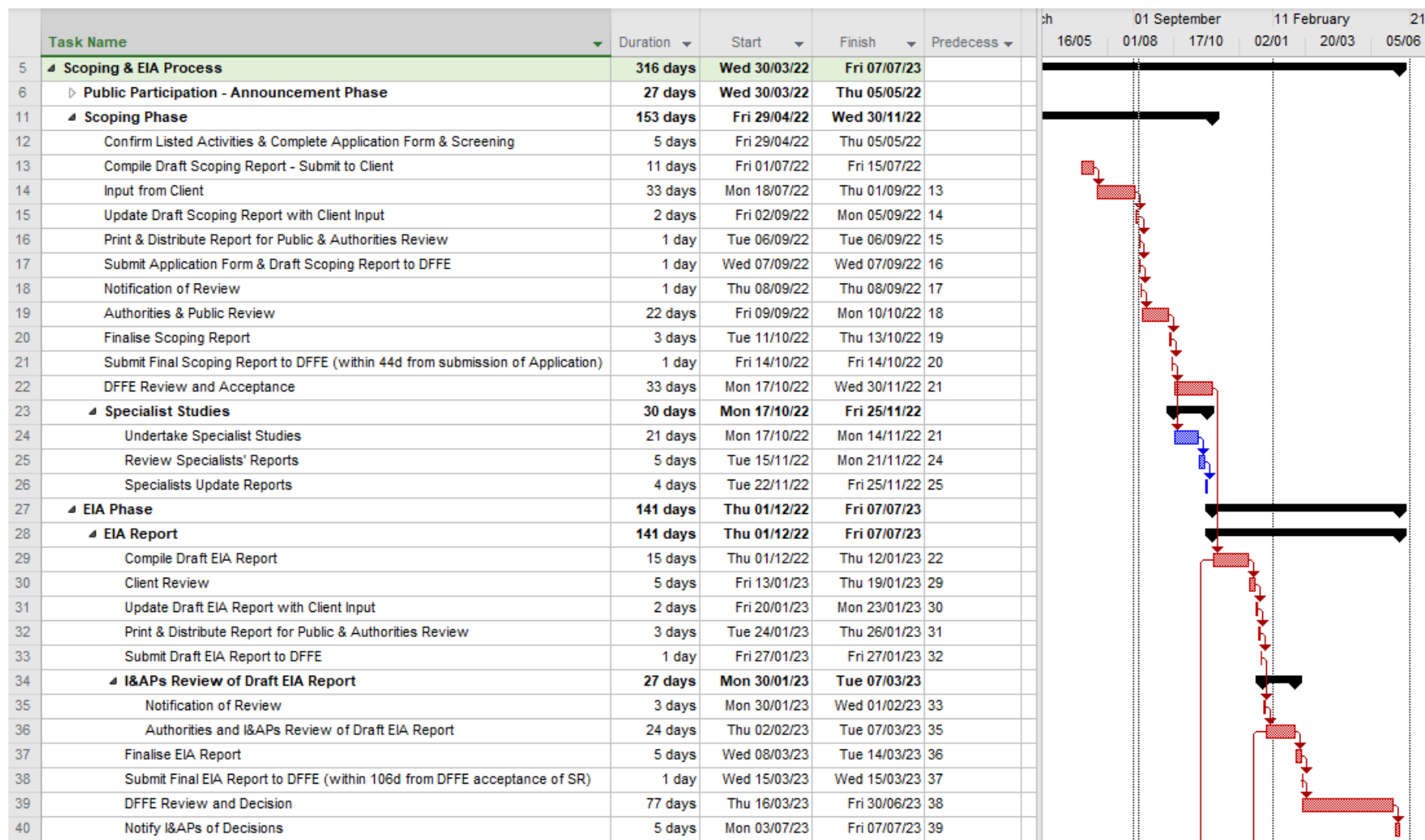
APPENDIX 7 LOCALITY MAP





APPENDIX 8 PROJECT SCHEDULE

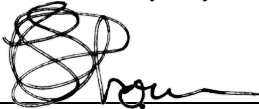
8A. PROJECT SCHEDULE



**APPENDIX 9
DECLARATION OF THE APPLICANT**

I, Davin Chown, declare that –

- I am, or 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

Genesis Eco-Energy Developments (Pty) Ltd

Name of company (if applicable)

02 09 2022

Date:

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**

I, Donovan Henning, 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

Nemaai Green

Name of company:

20/07/2021

Date

APPENDIX 11
SCREENING TOOL REPORT

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

EIA Reference number:

Project name: Proposed Parys up to 200MW Solar Photovoltaic (PV) and Battery Energy Storage System (BESS) Hybrid Project near the town of Parys, Free State Province

Project title: Proposed Parys up to 200MW Solar Photovoltaic (PV) and Battery Energy Storage System (BESS) Hybrid Project near the town of Parys, Free State Province

Date screening report generated: 05/09/2022 10:01:51

Applicant: Genesis Eco-Energy Developments (Pty) Ltd

Compiler: Nemaï Consulting (Pty) Ltd

Compiler signature:



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

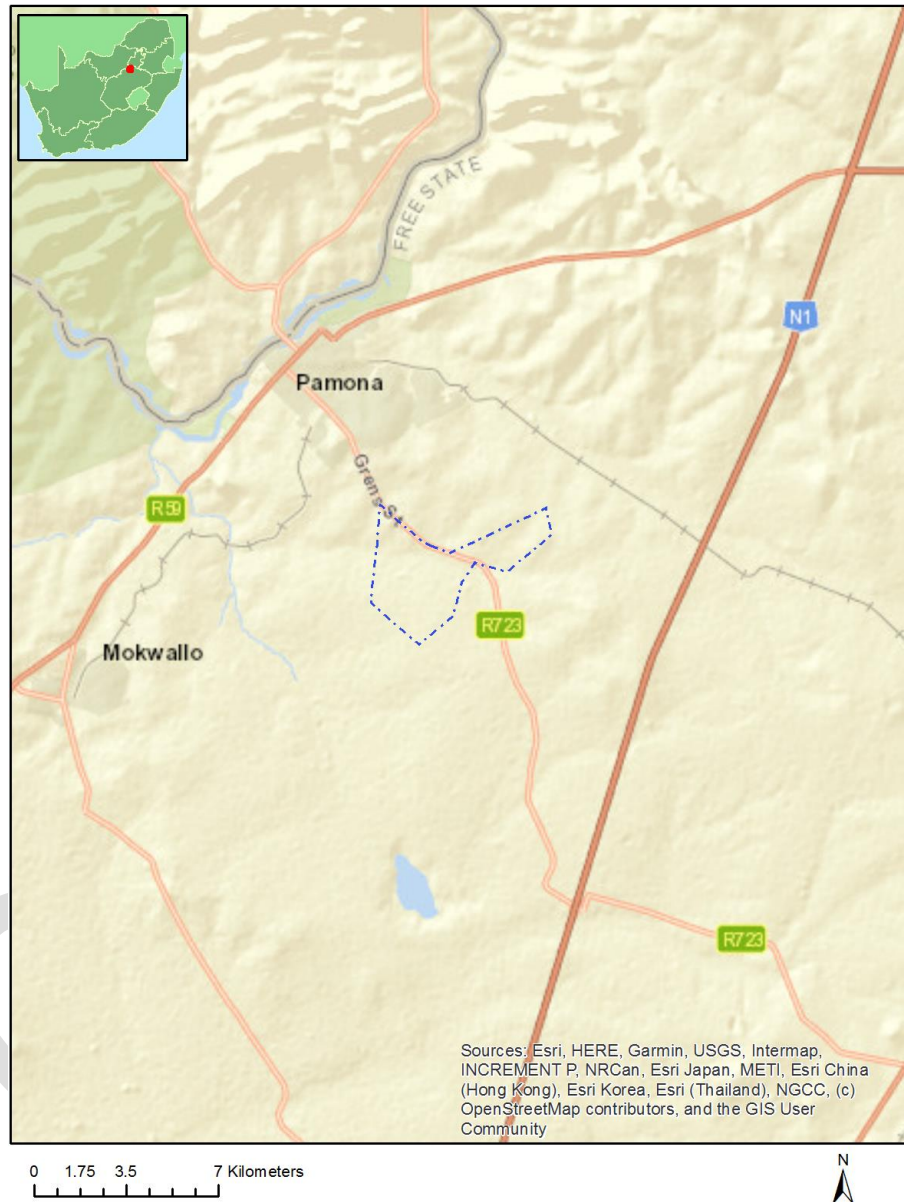
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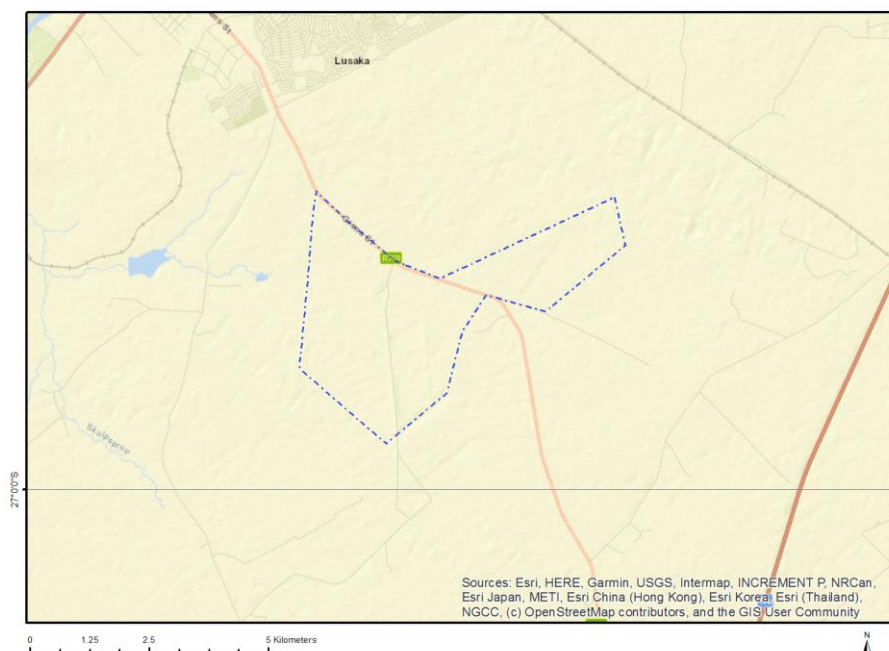
Proposed Project Location

Orientation map 1: General location

General Orientation: Proposed Parys up to 200MW Solar Photovoltaic (PV) and Battery Energy Storage System (BESS) Hybrid Project near the town of Parys, Free State 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	LEEUWKUIL	76	0	26°57'44.95S	27°30'16.29E	Farm
2	LEEUWKUIL	76	4	26°57'54.26S	27°30'0.05E	Farm Portion
3	LEEUWKUIL	76	0	26°58'10.6S	27°29'52.83E	Farm Portion

Development footprint¹ vertices:

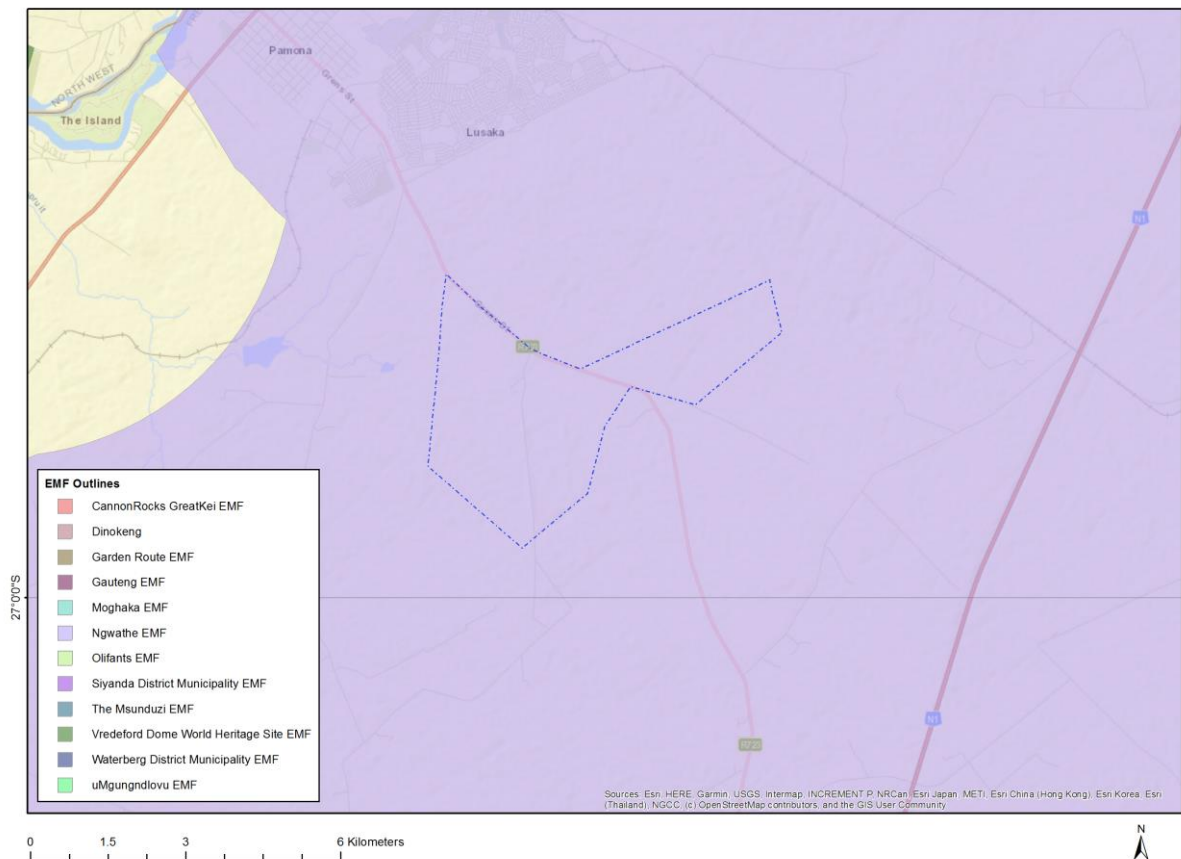
No development footprint(s) specified.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No nearby wind or solar developments found.

¹ "development footprint", means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

Environmental Management Frameworks relevant to the application



Environmental Management Framework	LINK
Ngwatho EMF	https://screening.environment.gov.za/ScreeningDownloads/EMF/Ngwatho_EMF_SummaryReport.pdf

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

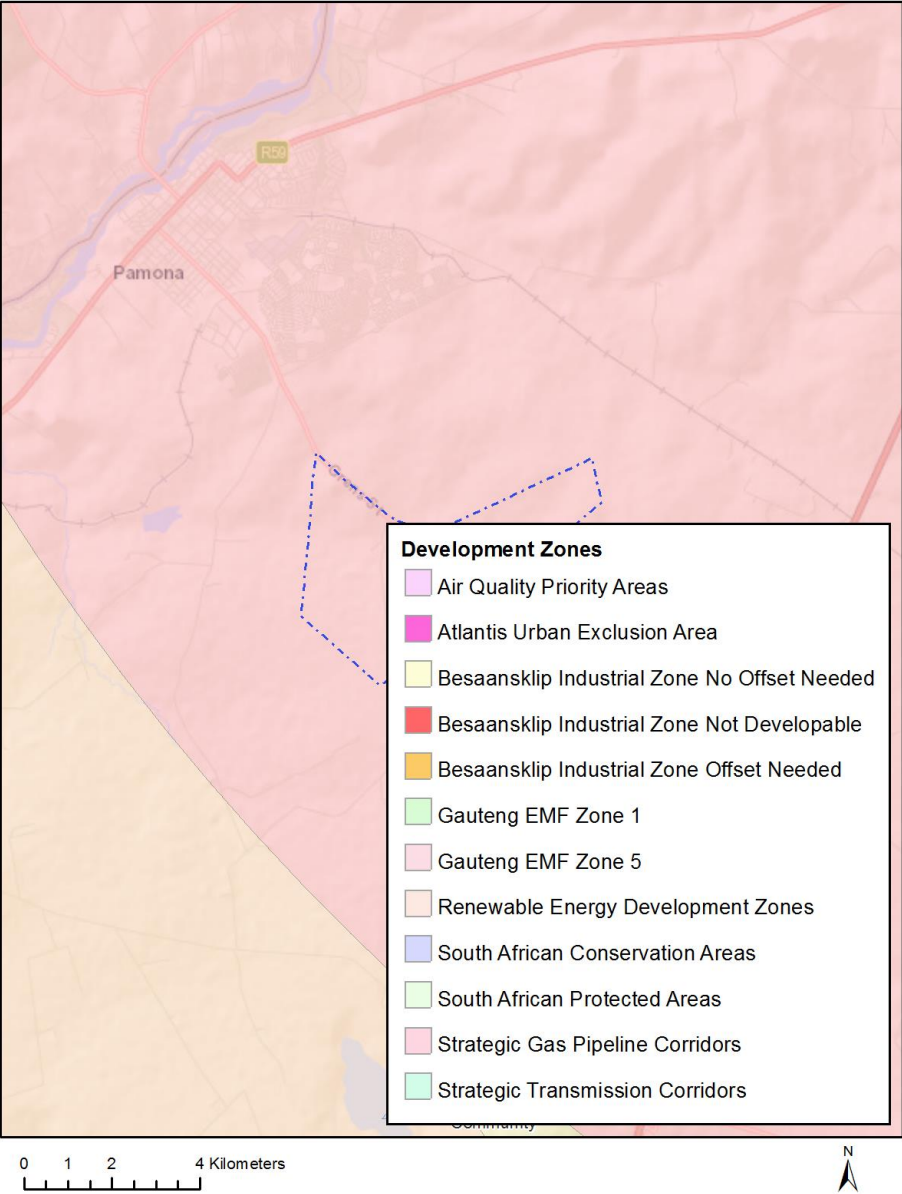
The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentiv	Implication
----------	-------------

e, restriction or prohibition	
Strategic Transmission Corridor- Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Renewable energy development zones 10- Klerksdorp	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_REDZ.pdf
Strategic Gas Pipeline Corridors- Phase 3: Richards Bay to Gauteng	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf

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

Project Location: Proposed Parys up to 200MW Solar Photovoltaic (PV) and Battery Energy Storage System (BESS) Hybrid Project near the town of Parys, Free State 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	High	Medium	Low
-------	-----------	------	--------	-----

	sensitivity	sensitivity	sensitivity	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.

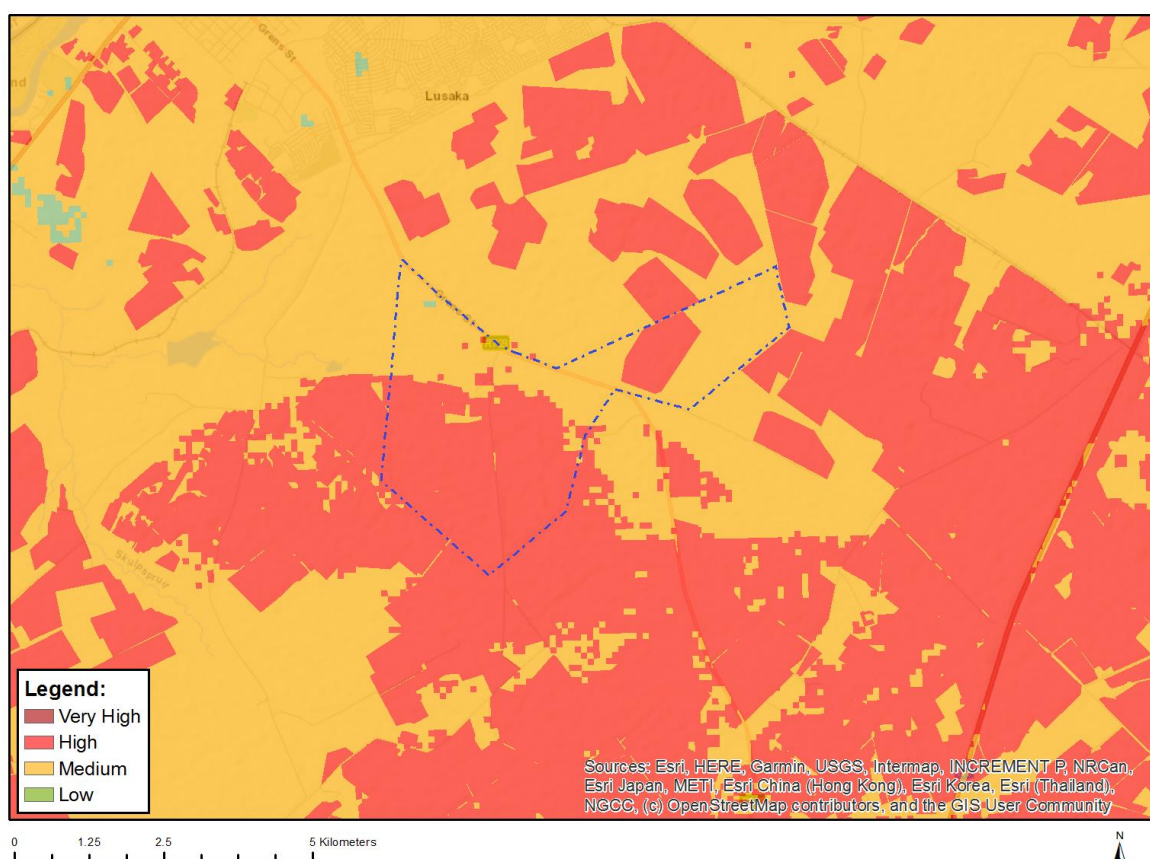
N o	Special ist assess ment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_WindAndSolar_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Paleontology 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	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

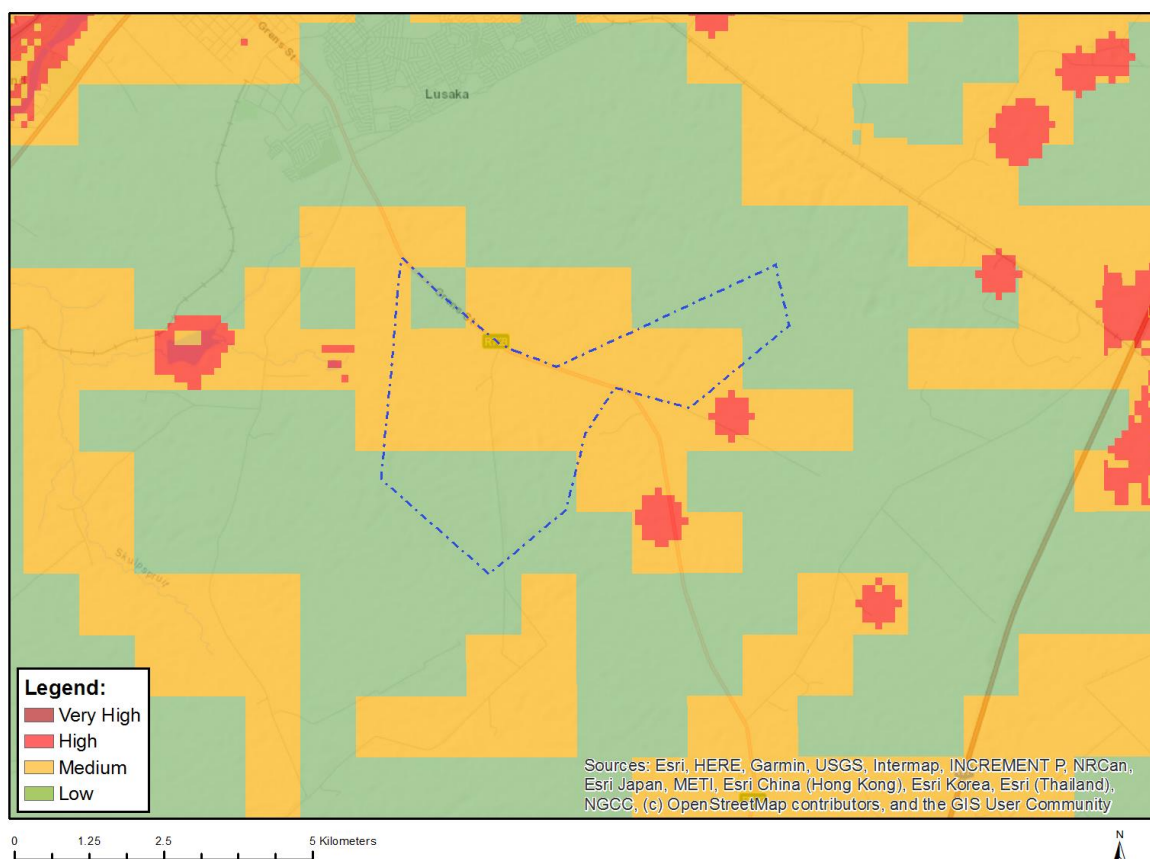


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;09. Moderate-High/10. Moderate-High
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



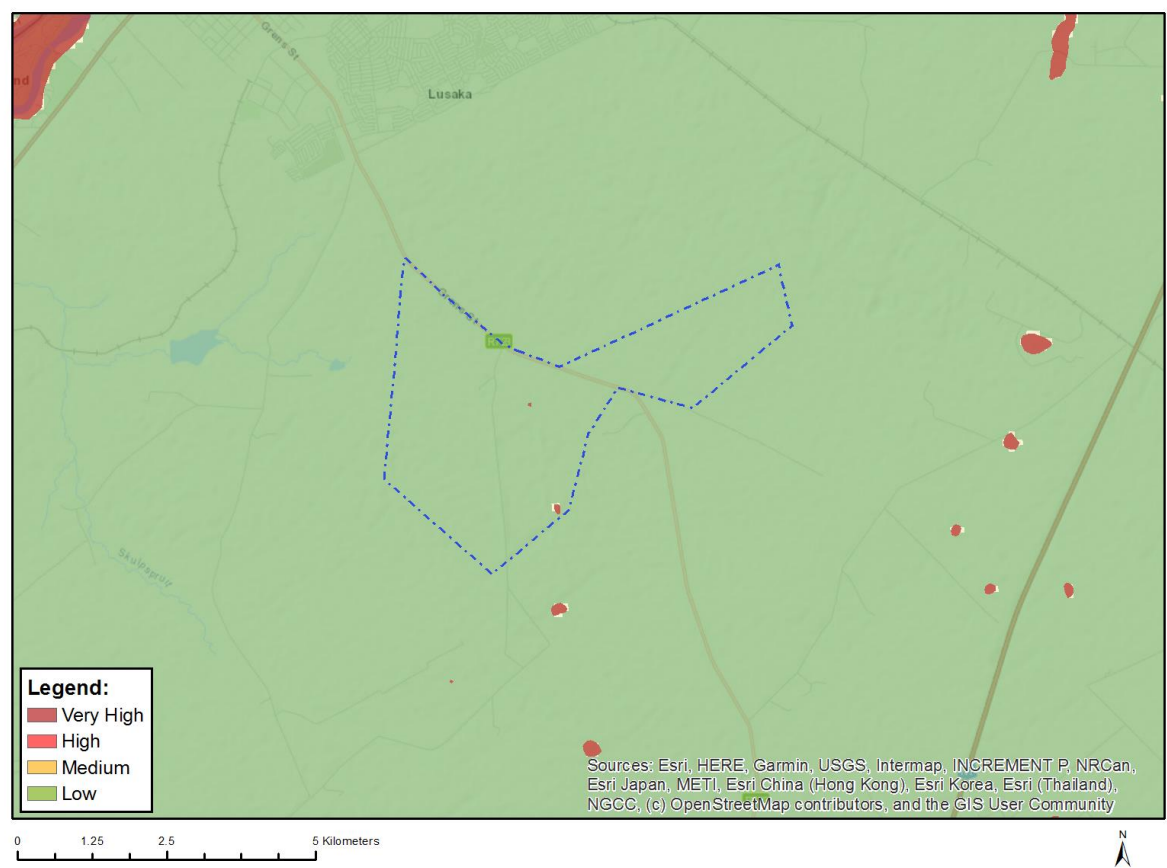
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
Low	Subject to confirmation
Medium	Mammalia-Hydricis maculicollis
Medium	Mammalia-Ourebia ourebi ourebi

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

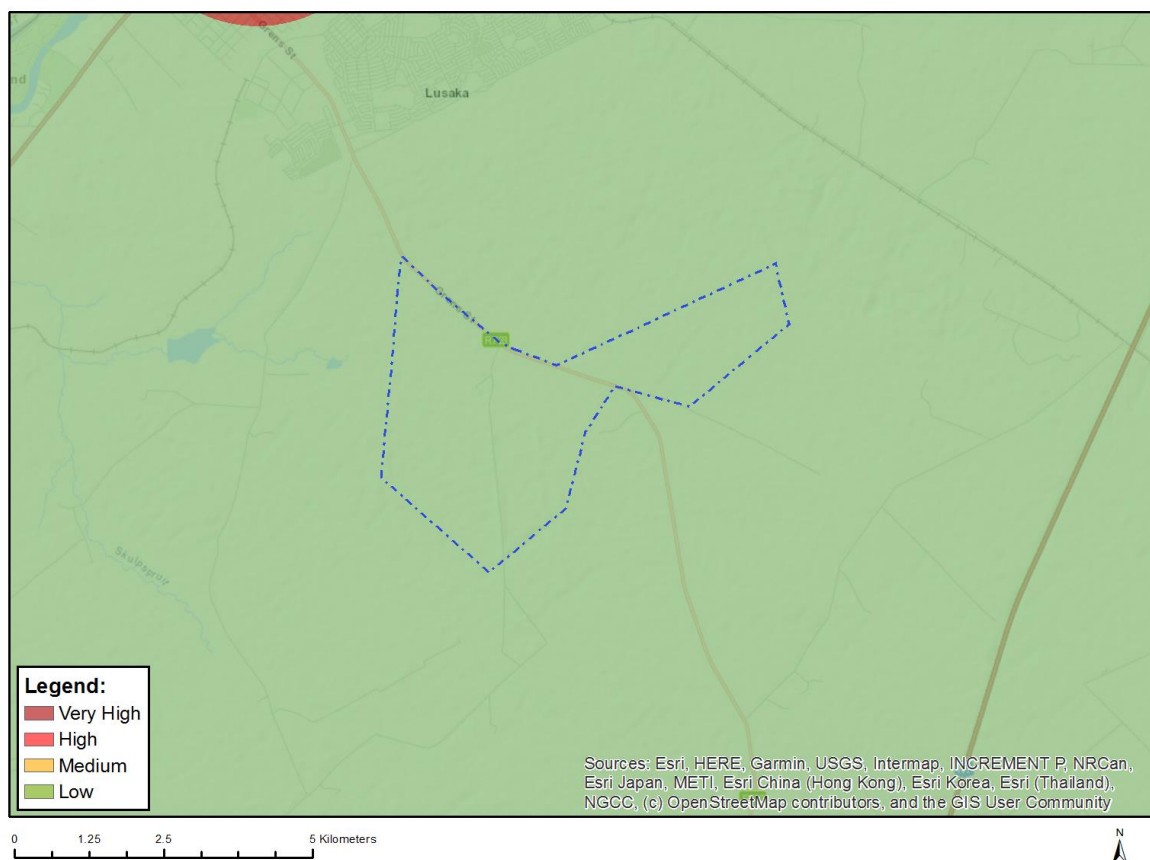


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

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

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

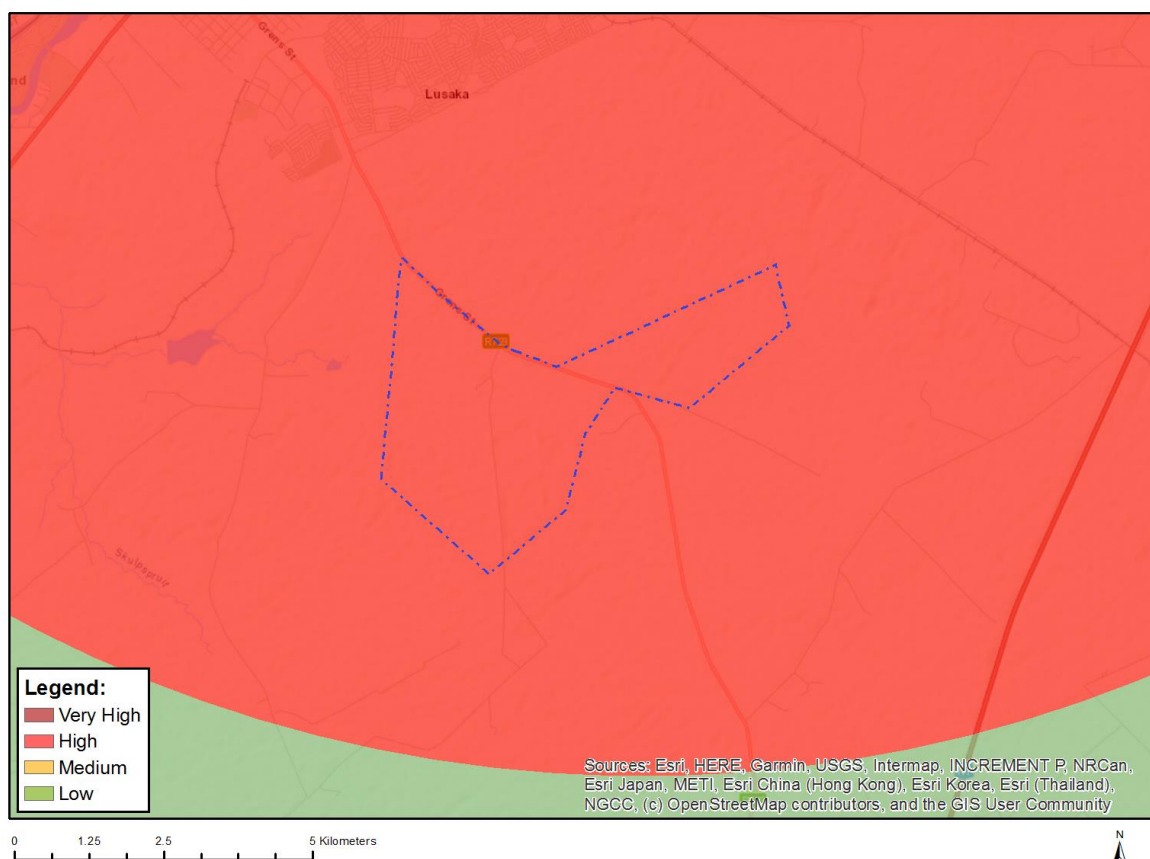


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AVIAN THEME SENSITIVITY

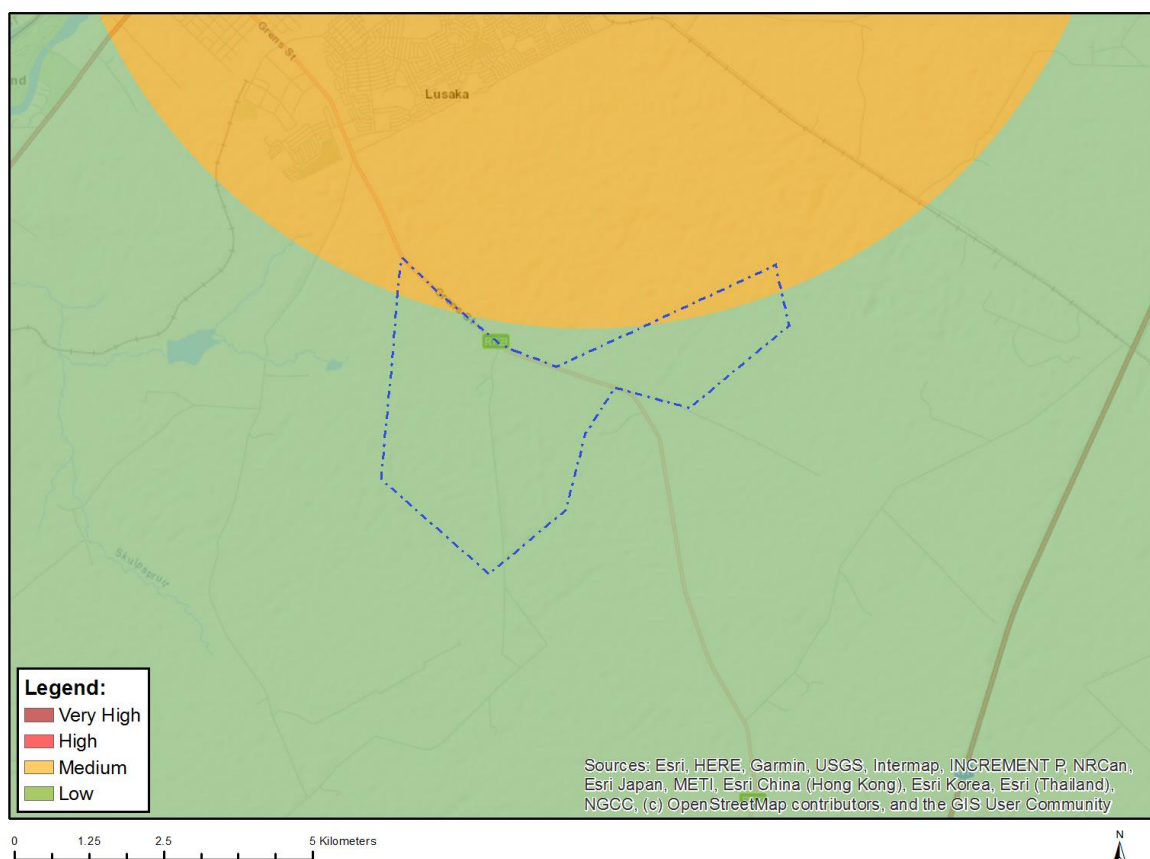


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	within 20 km of known Cape Vulturerestartants sites

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY

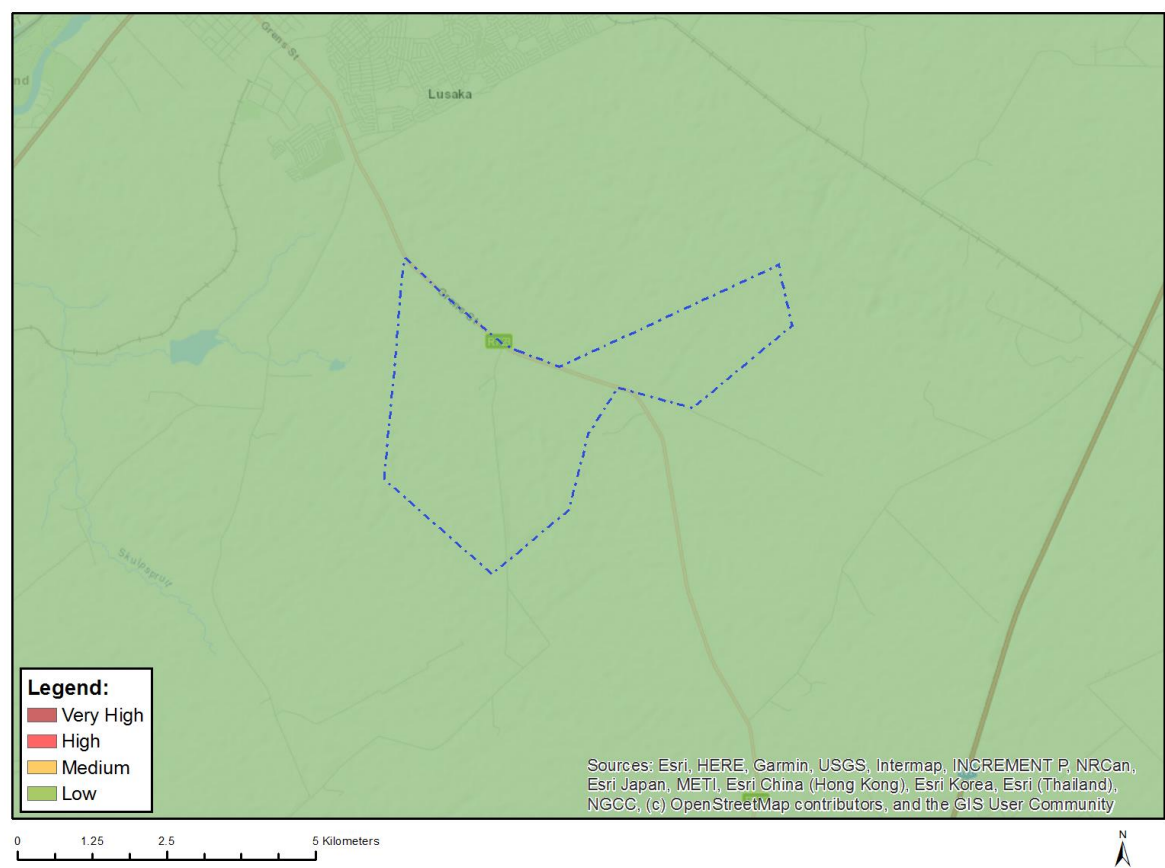


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	No major or other types of civil aviation aerodromes
Medium	Within 8 km of an other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

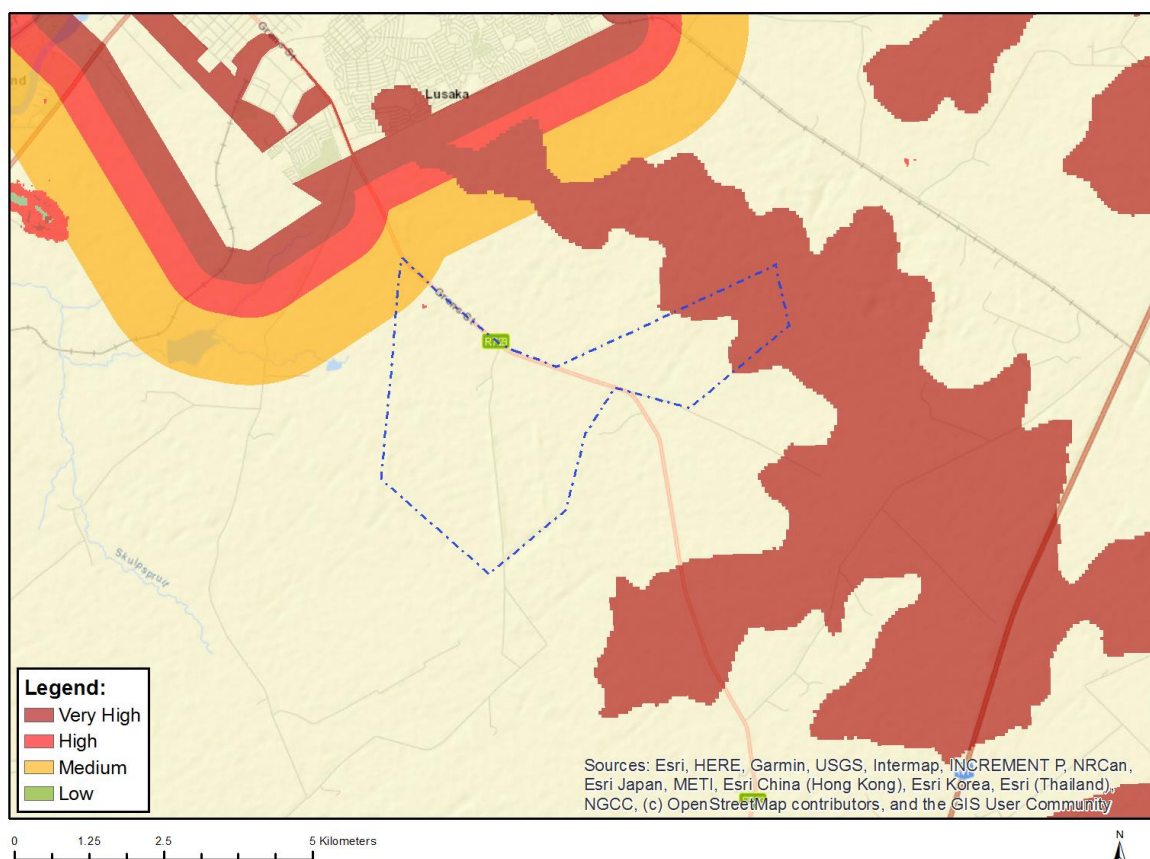


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY

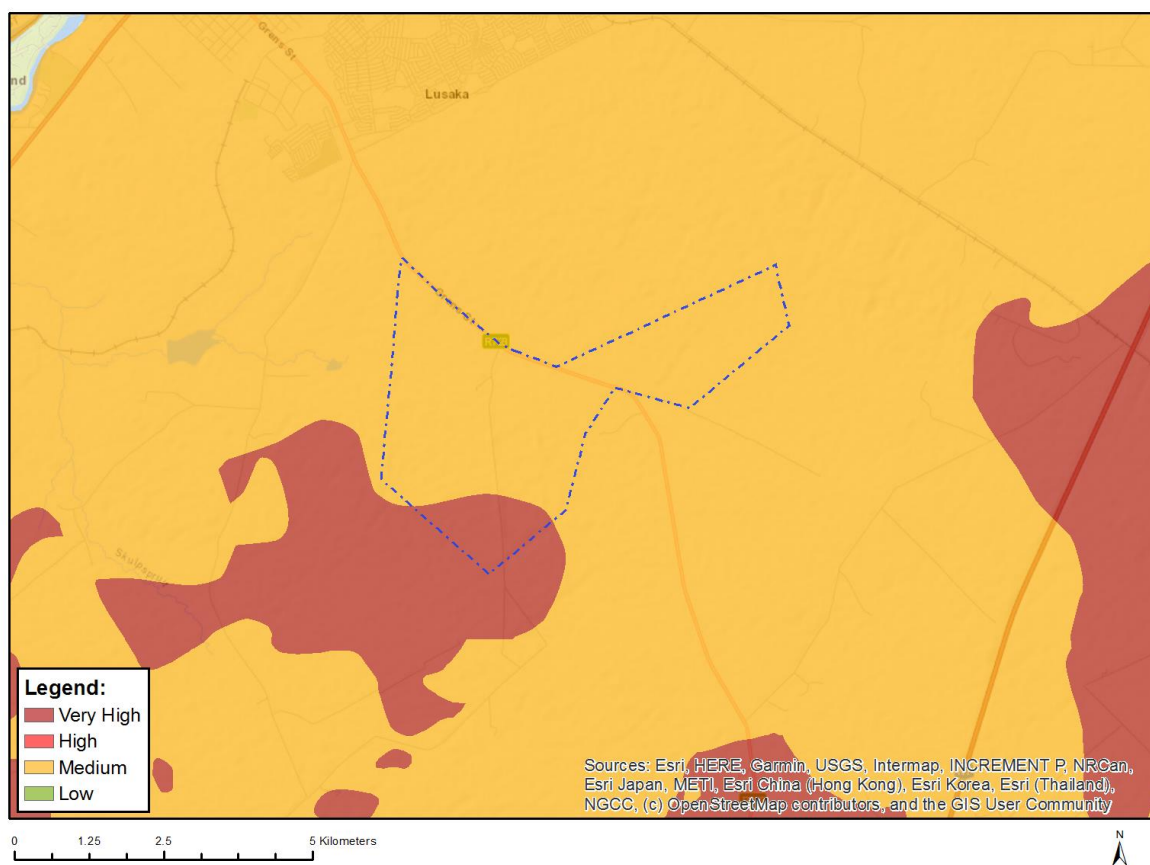


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Slope between 1:4 and 1:10
Medium	Between a and 2 km of a town or village
Very High	Mountain tops and high ridges

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

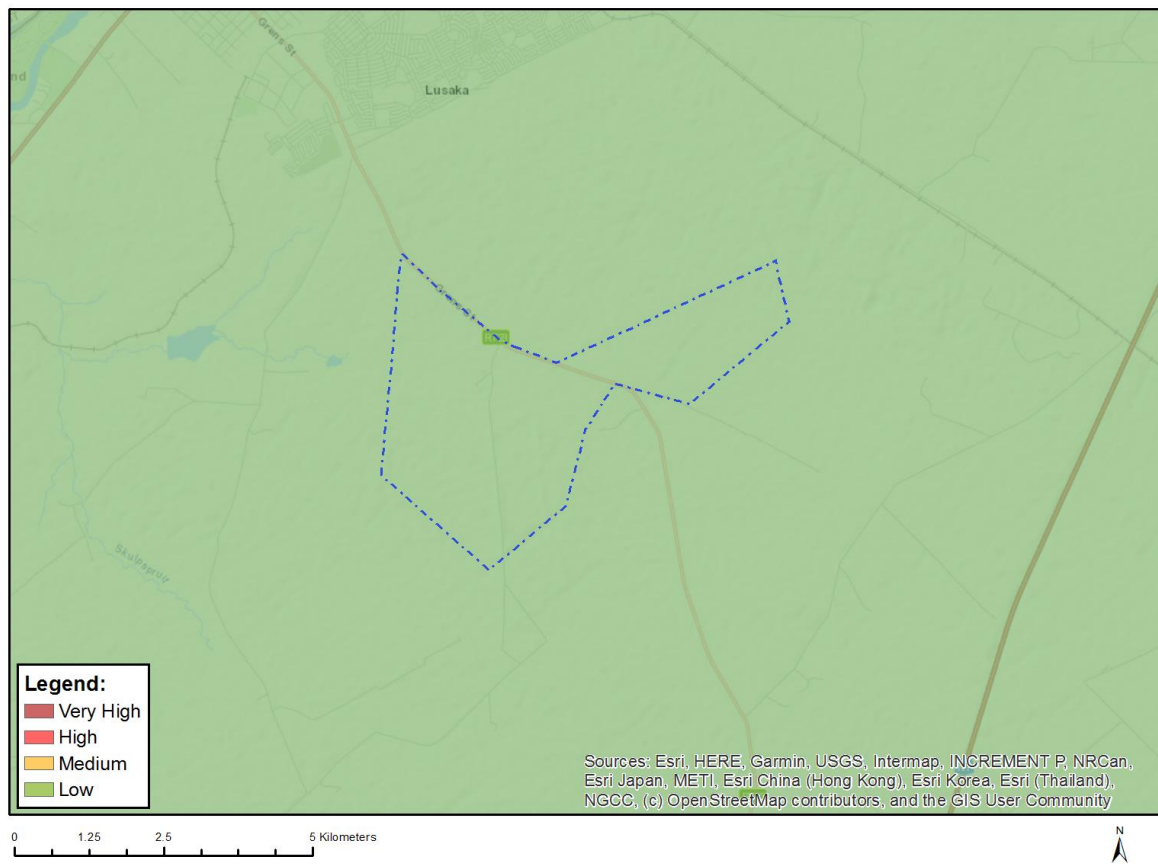


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

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



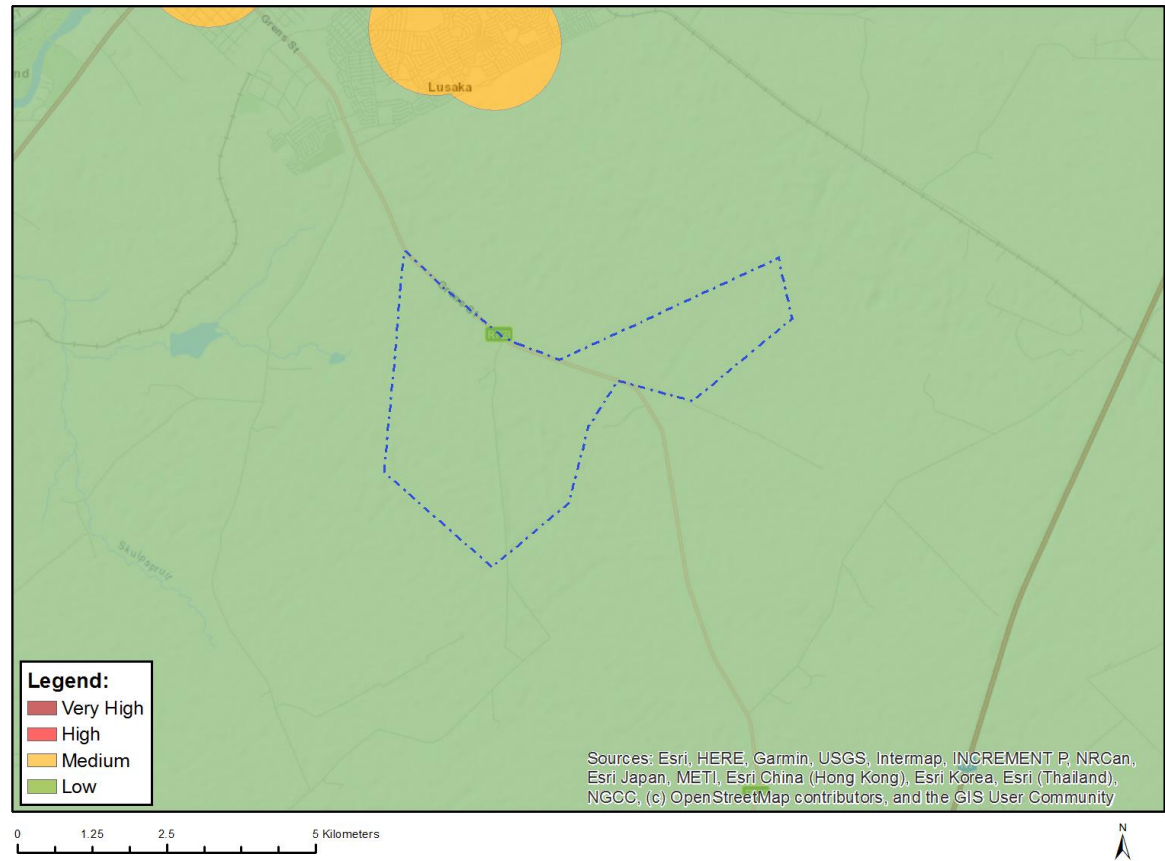
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their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

MAP OF RELATIVE RFI THEME SENSITIVITY

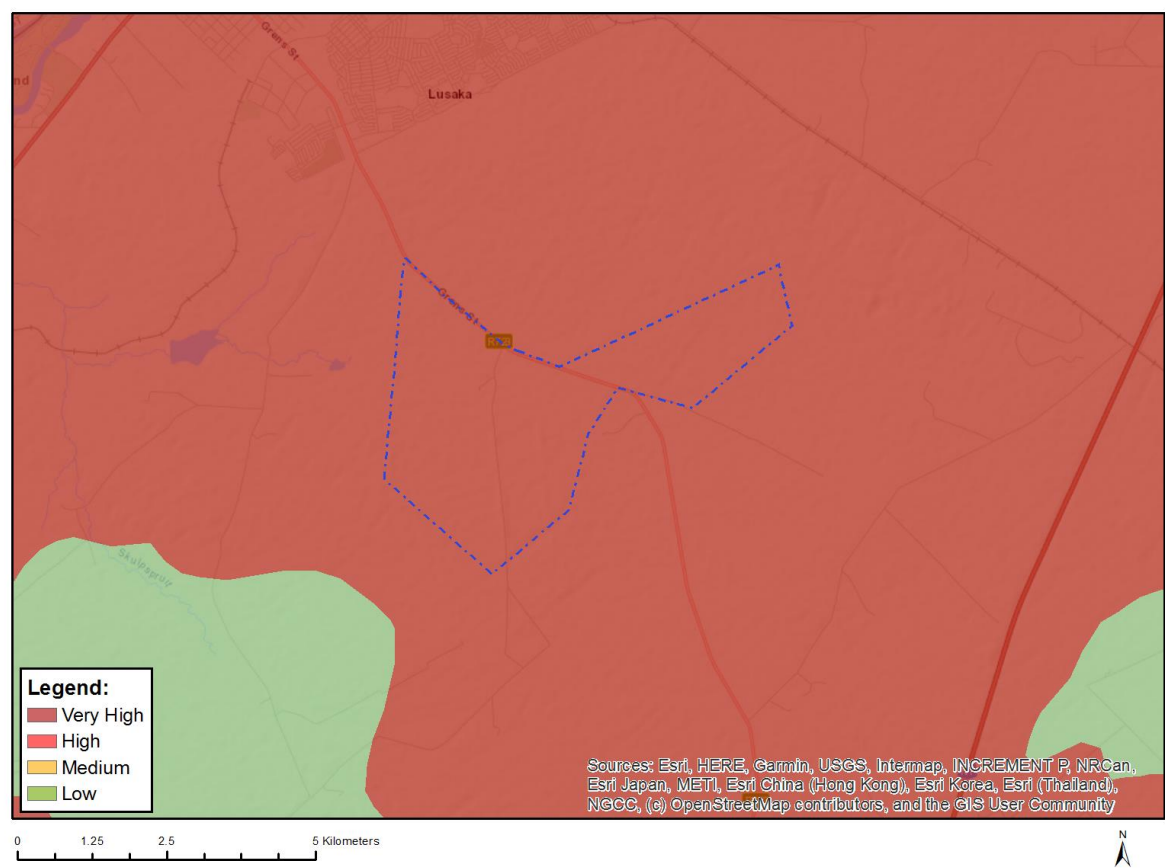


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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)
Very High	Critical biodiversity area 2
Very High	Vulnerable ecosystem

**APPENDIX 12
UNDERTAKING UNDER OATH/ AFFIRMATION**

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



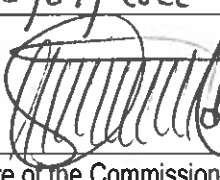
Signature of the Environmental Assessment Practitioner

Nemai Green

Name of Company

20/07/2022

Date



71865824-5
CST
M.V. mekhup

Signature of the Commissioner of Oaths

2022-07-20

Date

