



environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:
NEAS Reference Number:
Date Received:

(For official use only)

DEA/EIA/

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 Visserspan Solar Photovoltaic Facility Project 4 on Visserspan Farm No. 40, near Dealesville, Tokologo Local Municipality, Free State Province

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

Yes ☒ for original submission
No ☐

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	Yes	No	<input checked="" type="checkbox"/>
Date of the pre-application meeting			
Reference number of pre-application meeting held			
Were minutes compiled and submitted to the Department for approval	Yes	No	

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 **June 2020**. 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 Environment, Forestry and Fisheries
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Environment, Forestry and Fisheries
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:

The National Department of Environment, Forestry and Fisheries: Integrated Environmental Authorisations (Renewable Energy)

The application is for renewable energy electricity supply into the national Eskom grid and through the Department of Energy, is related to SIPs as described in the National Development Plan, 2011, as well as the Integrated Resource Plan for the period 2010 to 2030 (IRP 2010). The fifth Renewable Energy Independent Power Producers Procurement Programme (REIPPPP) bidding process is expected during 2020 and this application will form part of Bid Window 5.

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	<input checked="" type="checkbox"/>
Exclusion applies	<input type="checkbox"/>

An applicant is excluded from paying fees if:

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

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

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000 <input checked="" type="checkbox"/>
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	<input type="checkbox"/>

Department of Environment, Forestry and Fisheries 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

Reference number: -28.59966/25.75184

Status: Tax exempted

3. GENERAL INFORMATION

Name of the Applicant:	Ventura Renewable Energy (Pty) Ltd		
RSA Identity/ Passport Number:	N/A		
Name of contact person for applicant (if other):	Mr. Cornelius Weyers Janse van Rensburg		
RSA Identity/ Passport Number:	7301275062086		
Responsible position, e.g. Director, CEO, etc.:	Appointed company representative		
Company/ Trading name (if any):	N/A		
Company Registration Number:	2019/545107/07		
BBBEE status:	Level 4		
Physical address:	20 Victoria Link, Route 21 Corporate Park, Irene, Pretoria, 0157		
Postal address:	P.O. Box 73, Somerset Mall, Western Cape		
Postal code:	7137	Cell:	082 631 7496
Telephone:	082 631 7496	Fax:	086 267 6181
E-mail:	weyers@kerenenergy.com		

Name of the landowner:	Bredenkamp Familie Trust TMP 2131/1992		
Name of contact person for landowner (if other):	Mr Christiaan Dietloff Bredenkamp		
Postal address:	Uitrecht, Bultfontein		
Postal code:	9670	Cell:	082 574 3167
Telephone:	051 853 2692	Fax:	None
E-mail:	eugenegeyer@vodamail.co.za		

Name of Person in control of the land:	Mr Christiaan Dietloff Bredenkamp		
Name of contact person for person in control of the land:	Mr Eugene Geyer		
Postal address:	P. O. Box 288, Bultfontein		
Postal code:	9670	Cell:	082 463 3785
Telephone:	051 853 2692	Fax:	None
E-mail:	eugenegeyer@vodamail.co.za		

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

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

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

Provincial Environmental Authority:	Economic, Small Business Development, Tourism and Environmental Affairs		
Name of contact person:	Grace Mkhosana		
Postal address:	Private Bag X20801, Bloemfontein		
Postal code:	9300	Cell:	None
Telephone:	051 400 4817/18	Fax:	051 400 4852
E-mail:	mkhosanag@destea.fs.gov.za		

Local Municipality:	Tokologo Local Municipality		
Name of contact person in (Environmental Section)	Not known		
Postal address:	Private Bag X46, Boshoff		
Postal code:	8340	Cell:	None
Telephone:	053 541 0014	Fax:	053 541 0360
E-mail:	Not known		

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:	EnviroAfrica CC			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition	0%
EAP name:	Vivienne Thomson			
EAP Qualifications:	<p>BSc, Zoology (UCT); EIA short course (PU), Environmental Law (PU), Advanced Environmental Law (Mandela Institute School of Law, Wits), ISO 14001 Lead Auditors Course (WTH Management and Training), Root Cause Analysis Technique (IRCA), Environmental Performance Measurement Workshop (African Centre for Energy and Environment), Basic Principles of Ecological Rehabilitation and Mine Closure (PU), Member: National Association for Clean Air; South African Coal Ash Association</p> <p>Vivienne holds a BSc in Zoology from the University of Cape Town (1995) and has over twenty years industry experience in the construction, power generation and mining sectors. She has completed an ISO 14001 Lead Auditors course, as well as several environmental short courses and has guest lectured for the MSc in Environmental Science Environmental Impact Assessment (EIA) course at the University of the Witwatersrand.</p> <p>Vivienne is a member of the National Association for Clean Air (NACA) and has served as NACA National Council Member. She is a member of the South African Coal Ash Association and an affiliate of the Institute of Innovators and Inventors. She was also a member of the Committee of Interested Parties which acted as an independent, advisory body to ensure impartiality of Pricewaterhouse Coopers' Certification Body in their governance and sustainability division.</p> <p>Since 2004, Vivienne has been involved in environmental consulting with experience in EIAs, establishing and implementing ISO 14001 EMSs, contract management, legal compliance evaluations, as well as developing, implementing and assessing environmental management plans and monitoring programmes.</p>			
Professional affiliation/registration:	I.A.I.A. (S.A.) Membership Number: 219 - Bernard de Witt (Owner) EnviroAfrica			
Physical address:	7 Pastorie Park, Cnr. Lourens and Reitz Streets, Somerset West, 7129			
Postal address:	P. O. Box 5367, Somerset West			

Postal code:	7135	Cell:	082 464 2874 / 082 448 9991
Telephone:	021 851 1616	Fax:	086 512 0154
E-mail:	vivienne@enviroafrica.co.za bernard@enviroafrica.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.

It is proposed that the development footprint for Visserspan Solar PV Facility - Project 1, cover an area of around 218ha, circumscribed with a perimeter fire access road and fence. The PV tables will face north and will be raised approximately 500mm above ground level at their lower level and will not exceed a height of 3m when at full tilt (upper level). The PV tables will have single axis tracking systems allowing the generation of not more than 100MW of evacuated alternating current.

The infrastructure associated with the proposed solar PV array includes a fenced construction staging area, maintenance shed/s, inverter-transformer stations on concrete pads, battery storage containers and office buildings with ablutions, all within the 218ha proposed development site footprint, as well as a switch panel and a subsurface powerline from the PV array for tie-in to a proposed future substation to be built on the far eastern leg of Project 2's site and from where connection to the power grid, at Eskom's Perseus substation, south of the proposed development site, will take place. The proposed future substation **does not** form part of this application.

The National Environmental Management Act, No.107 of 1998 (NEMA), as amended, makes provision for the identification and assessment of activities that are potentially detrimental to the environment and which require authorisation from the competent authority based on the findings of an Environmental Assessment.

NEMA as a national act, is enforced by the national Department of Environment, Forestry and Fisheries (DEFF). Typically, these powers are delegated to the provincial department of environmental affairs but since the legislated (or listed) activity which results from the proposed development, occurs in an area of strategic importance identified in terms of Section 24(3) of NEMA, namely in a Renewable Energy Development Zone (REDZ) and associated strategic transmission corridor, DEFF is the competent authority for this environmental authorisation application.

According to the regulations of Section 24(5) of the NEMA, environmental authorisation is required for certain regulated or listed activities. The schedules of listed activities under the NEMA were evaluated to determine which actual and possible activities required authorisation. Several actual and potential listed activities, as per the 2014 EIA regulations (as amended), apply to the proposed Visserspan Solar PV Facility development. These activities are detailed in Section 6 of the draft basic assessment report (DBAR) which accompanied this original application.

It should be noted that due to the consent use of land (as per Appendix K of the DBAR accompanying this application) and the proximity to Eskom's Perseus substation, as well as the other renewable energy developments/proposed developments, alternative sites do not exist. However, alternative options which include *inter alia* alternative PV technology, layout options and the option of not proceeding with the proposed development at all (the No-Go option) are considered within this DBAR. Specialist reports (draft versions) are referenced and appended to the DBAR accompanying this application and will, together with this BAR be refined further, if necessary, as more detailed information becomes available.

A brief synopsis of the main opinion of each of the seven specialists appointed to assess various parameters of the project is presented below.

Botanical / Biodiversity:

The dominant vegetation type found on Visserspan Farm No. 40 is Vaal-Vet Sandy Grassland, an endangered (A1) vegetation type (Government Gazette, 2011). The proposed development would result in

a high local loss of this vegetation type (habitat) and loss of ecological functionality. Mitigation options are minimal to zero and the impact at a local scale is thus **High Negative**. However, since the Vaal-Vet Sandy Grassland is an extensive system and not confined to Visserspan, the cumulative impact would be **Low Negative** and loss of resources would be low, particularly when considering the grazing and other pressures the land is subject to. Consequently, the development of the Solar PV Project 4 at Visserspan is supported from a botanical (vegetation) perspective.

Owing to the widespread occurrence of the principal vegetation type, Vaal-Vet Sandy Grassland, the botanical specialist holds the view that Vaal-Vet Sandy Grassland is not sensitive at Visserspan. The classification of areas as critical biodiversity areas (CBAs) and ecological support areas (ESAs) on the farm was also questioned and it was stated that the ESAs and degraded areas are incorrectly mapped.

Freshwater:

There are no watercourses on or within 32m of the proposed development site for Visserspan Solar PV Facility – Project 4. This was confirmed by the freshwater specialist study which was undertaken for the entire Visserspan Farm No. 40 as per Appendix G2 of the DBAR accompanying this application.

However, areas of freshwater importance due to the presence of wetlands (pans) on other parts of the farm, were identified as no-go areas, with a 32m setback provided for from these wetlands/watercourses. Therefore, while no NEMA listed activities are triggered by the presence of these watercourses, they are considered National Freshwater Ecosystem Priority Areas (NFEPA's) and in terms of the National Water Act No. 36 of 1998 (NWA) authorisation from the Department of Water and Sanitation (DWS) is required for development to take place within 500m of a wetland.

Most stormwater runoff from Project 4 (east) will flow into the pan/s to the south of Project 4 (east) site's boundary.

Stormwater runoff from Project 4 (west) will flow northwards into the central mixed grass pan and some of the runoff will flow towards the micro-pan east of the central pan.

Archaeological:

According to the specialist archaeological impact assessment (as per Appendix G3a of the DBAR accompanying this application), "archaeological resources have been rated as having LOW (Grade IVC) significance since, generally, relatively small numbers of archaeological remains were found in other areas of the farm and were isolated and were found in a disturbed context. A dispersed scatter of weathered hornfels MSA tools (flakes, blades, chunks, cores) was recorded on an eroded and heavily trampled land surface, on the margin of a large pan near the south eastern boundary of the proposed development site. A very thin scatter of MSA hornfels flakes and chunks were also recorded on patches of hard sand below the coversands near the southern boundary of the proposed site.

Overall, the relatively small numbers, isolated and disturbed context in which they were found, mean that the archaeological remains have been rated as having **LOW** (Grade IVC) significance.

No evidence of any Late Iron Age archaeological heritage were noted during the field assessment, which appears to be absent from the study area.

No evidence of any Anglo-Boer War battlefield sites (1899-1904), war graves or memorials were encountered during the study.

A small, abandoned graveyard containing five graves was recorded in the footprint area of proposed Solar PV Project 4. Graves are rated as having high (3B) local significance because of their social value.

MSA flake tools may be buried below the coversands, but overall, the impact of the proposed Visserspan Solar PV Facility on pre-colonial archaeological resources is rated as being very low.

The small graveyard on Solar PV Project 4 (east) will be impacted by proposed construction activities unless a 10m buffer and fence are constructed around the graveyard prior to construction of the facility.

Well preserved (c. 1899), calcrete and clay, sheep and cattle enclosures in the Visserspan farm werf will not be impacted by the proposed Solar PV Facility. The farm werf has been entirely screened out of the development proposal.

The cultural landscape, primarily agriculture (i. e. grazing), with farm fences, small concrete reservoirs, windmills, tracks and woodlots, being the main tangible evidence of the landscape, has low heritage significance.

The overall impact significance of the proposed Visserspan Solar PV facility on archaeological heritage is assessed as LOW and therefore there are no objections, on archaeological grounds, to the proposed development proceeding.

The graveyard (proposed Solar PV Project 4) is graded as having *HIGH* (3B) local significance because of its social value. and must be protected throughout the Construction, Operational and Decommission Phase of the proposed development. The graveyard must be avoided in the final layout of the solar arrays.

The study has shown that there are no fatal flaws in the development proposal.

Palaeontological:

According to the specialist palaeontological impact assessment report attached as Appendix G3b of the DBAR accompanying this application, it was “concluded that the palaeontological sensitivity of the solar PV project area on Farm Visserspan No. 40 near Dealesville is low. Anticipated impacts on local palaeontological heritage resources from the construction phase of the developments are accordingly also of LOW SIGNIFICANCE.

This applies equally to all four of the proposed solar PV facilities whose cumulative impact significance would also be LOW.

No further significant impacts are expected during the operational and decommissioning phases of the developments.

There are no fatal flaws in the development proposals”.

The palaeontological specialist further states that provided that the recommended mitigation measures as detailed in the Palaeontological Impact Assessment Report (as per Appendix G3b of the DBAR accompanying this application) are fully implemented, there are no objections on palaeontological heritage grounds to authorisation of the proposed Visserspan Solar PV Facility.

Visual:

An assessment of the potential visual receptors through the use of landscape profiles coupled with on-site verification was undertaken.

The term visual and aesthetic is defined to cover the broad range of visual, scenic, cultural, and spiritual aspects of the landscape. It also includes the impact on ‘sense of place’ of the area.

The visual receptors in the area are of medium to low sensitivity. The assessment finds that the overall visual impact of the proposed Project 4 of the Visserspan PV facility holds a low overall visual impact. For this reason, no mitigation measures are required.

Sarien Lategan was appointed to undertake the visual impact assessment for the Visserspan PV Facility, Project 4, near Dealesville, Free State.

Due to the fact that a number of PV facilities have been approved to the south of Project 4, the project does contribute to the cumulative impact specifically to spatial crowding. The pro rate contribution to the overall number of approved projects is however low. Since no thresholds have been determined on a regional level it is not appropriate to assess the impact on landscape change.

Soil, Land Use and Agricultural Potential Impact Assessment:

Due to the soil properties, land use for the type of land found on the proposed development site, is extensive grazing. This is also due to climatic constraints.

According to the specialist, *“land capability mimics the land use” and “the agricultural potential in terms of dryland cropping is low due to lower than 500 mm rainfall per annum, with grazing potential being dependent on rainfall and management”*.

It was concluded by the specialist that *“the proposed development of a photovoltaic facility on the site will not have large impacts due to the low agricultural potential of the site as well as the rainfall that is below 500 mm pa.*

Socio-economic:

The specialist has indicated *“no strong opinion, from a socio-economic point of view, as to whether the Visserspan solar PV projects should be permitted, either singly or together”* but notes positive and negative factors regarding the Visserspan Solar PV Project as discussed in detail in the DBAR accompanying this application.

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

If YES, is selected:

- For an application in terms of GN 113 and/or 114, then a map confirming this must be attached;
Refer to Google Earth Map in APPENDIX 7.
- For a SIP project, kindly indicate which SIPs are applicable in **APPENDIX 5** and **attach the confirmation of SIP** applications from the relevant sector representative in **APPENDIX 5**. Should no proof be provided, the application will be considered as a normal EIA Application.

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

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

1	Infrastructure /Transport Services/Roads – Public	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	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.	<input checked="" type="checkbox"/>	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:		

6. SITE DESCRIPTION

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

Province/s	Free State Province
District Municipality/ies	Lejweleputswa District Municipality
Local Municipality/ies	Tokologo Local Municipality
Ward number/s	41802003
Nearest town/s	Dealesville
Farm name/s and number/s	Visserspan Farm No. 40
Portion number/s	N/A

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**.)

F	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
1	2	3	4	5																

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

7. ACTIVITIES APPLIED FOR

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

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates.
14	The development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres (m3) or more but not exceeding 500m3.	Operation – the development may require battery storage facilities.
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.
1	The development of facilities or infrastructure for the generation of electricity from a	Development and operation – the proposed development is for the

	renewable resource where the electricity output is 20MWs or more.	development of a Solar PV Facility in REDZ 5 which will generate not more than 100MW for supply to the national grid.
15	The clearance of an area of 20ha or more of indigenous vegetation.	Development – the development footprint will need to be cleared for construction
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.
2	The development of reservoirs, excluding dams, with a capacity of more than 250m ³ . b. Free State ii. Outside urban areas: (dd) Critical biodiversity areas (CBAs) as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans	Development and operation – water storage on site may be needed for cleaning and ablutions
4	The development of a road wider than 4 metres (m) with a reserve of less than 13,5m. b. Free State ii. Outside urban areas: (ee) CBAs as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans	Development and operation – the proposed development will require internal access roads
10	The development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 30m ³ or more but not exceeding 80m ³ . b. Free State ii. Outside urban areas: (ee) CBAs as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans	Operation – the development may require battery storage facilities.
12	The clearance of an area of 300m ³ or more of indigenous vegetation. b. Free State ii. Within CBAs identified in bioregional plans; iv. Areas within a watercourse or wetland; or within 100m from the edge of a watercourse or wetland	Development – the development footprint will need to be cleared for construction

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.

i. Pre-application public participation (PP) process:

Place advertisement in local newspapers regarding project, availability of copies of documents and process to register as an I&AP.

Send out notifications to previously registered Interested and Affected Parties (I&APs).

Place A2 posters on site

Display and place A3 posters, maildrop letters/background information document in public facilities (Municipality and large retail shops)

Display A3 posters at local public amenities / local spaza shops

Deliver maildrop letters to neighbouring properties / spaza shops

Make copies of PP associated documents available on EnviroAfrica website for public viewing / comment

Email, deliver or post copies of any PP documentation to querying I&APs who request them.

Compile comments and response trail report.

Update I&AP List.

ii. Post-application PP process:

Repeat PP process for all registered I&APs for the post-application round of PP using draft BAR.

iii. Repeat PP process for all registered I&APs for the third round of PP using final BAR.

Await DEFF EA decision.

iv. Inform I&APs within 14 days of DEFF decision when received.

9. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		<input type="checkbox"/>	<input checked="" type="checkbox"/> 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:			

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.)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓
National Water Act (Act No. 36 of 1998) – possibly (500m from wetland)	<input checked="" type="checkbox"/> YES ✓	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓
National Environmental Management: Air Quality Act (Act No. 39 of 2004)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓
National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓	<input type="checkbox"/>	<input checked="" type="checkbox"/> NO ✓

National Environmental Management: Waste Act (Act No. 59 of 2008)		NO ✓		NO ✓
Others: Please specify		NO ✓		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	<input type="checkbox"/>	NO ✓
APPENDIX 2	Proof of Payment / Motivation for exclusion	YES ✓	<input type="checkbox"/>
APPENDIX 3	List of land owners (with contact details) and written consent of land owners. (Only one landowner – consent included)	YES ✓	<input type="checkbox"/>
APPENDIX 4	List of Local/Provincial Authority involved (with contact details)	<input type="checkbox"/>	NO ✓
APPENDIX 5	Strategic Infrastructure Projects	YES ✓	<input type="checkbox"/>
APPENDIX 6	List of SGIDs and coordinates	<input type="checkbox"/>	NO ✓
APPENDIX 7	Locality map	YES ✓	<input type="checkbox"/>
APPENDIX 8	Project schedule	YES ✓	<input type="checkbox"/>
APPENDIX 9	Declaration of Applicant	YES ✓	<input type="checkbox"/>
APPENDIX 10	Declaration of EAP and undertaking under oath or affirmation	YES ✓	<input type="checkbox"/>
APPENDIX 11	Screening Tool Report	YES ✓	<input type="checkbox"/>
APPENDIX 12	Undertaking under Oath / Affirmation	YES ✓	<input type="checkbox"/>

APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES

Not Applicable

APPENDIX 2
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION



Internet banking
Standard Bank Centre
5 Simmonds Street, Johannesburg,
2001
P.O. Box 7725, Johannesburg, 2000
Telephone: 0860 123 000
International: +27 11 299 4701
Fax: +27 11 631 8550
Website: www.standardbank.co.za

Dear DEA Pretoria

We confirm that the following payment has been made into your account from Bernard:

Reference number	1730053867
Beneficiary name	DEPARTMENT OF ENVIR
Bank name	ABSA BANK
Beneficiary account number	0000001044240072
Beneficiary branch number	63200500
Beneficiary reference	-28.59966/25.75184
Amount	R2004.00
Payment date and time	2020-02-27 09h11

If you need more information or have any questions about this payment, please contact:
Bernard

Payments to Standard Bank accounts may take up to one business day to reflect.
Payments to other banks may take up to three business days.
Please check your account to confirm you have received this payment.

Yours sincerely,
The Internet banking team

The Standard Bank of South Africa Limited (Reg. No. 1962/000738/06) Authorised financial services provider and registered credit provider (NCRCP15)

Directors: TS Gcabashe (Chairman) L Fuzile* (Chief Executive) A Daehnke* MA Erasmus¹ GJ Fraser-Moleketi Hao Hu² GMB Kennealy BP Mabelane JH Maree NNA Matyumza KDMoroka NMC Nyembezi ML Oduor-Otieno³ AC Parker ANA Peterside con⁴ MJD Ruck PD Sullivan⁵ SK Tshabalala* JM Vice Lubin Wang²

Company Secretary: Z Stephen 01/01/2020

*Executive Director ¹British ²Chinese ³Kenyan ⁴Nigerian ⁵Australian

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

REGISTERED PROPERTY OWNER/S CONSENT

CONSENT TO CONTINUE WITH THE PLANNING AND ENVIRONMENTAL IMPACT ASSESSMENT PROCESS TO OBTAIN THE NECESSARY COMPETENT AUTHORITY DECISION/S FOR ENVIRONMENTAL AND OTHER APPLICATIONS FOR THE DEVELOPMENT OF THE PROPOSED:

Visserspan Solar PV Facility, Project No. 4

ON THE PROPERTY DESCRIBED AS: **Visserspan Farm No. 40, Tokologo Local Municipality, Lejweleputswa District Municipality, Free State Province** (registered property name)


Approximate central co-ordinates of the site on the property: **28°35'58.80"S, 25°45'6.65"E**

This document confirms that I, Christiaan Dietloff Bredenkamp (full name), Identity number: 431027 5028 081, acting on behalf of the **Bredenkamp Familie Trust TMP2131/1992** (property owner's name), hereafter referred to as the 'Owner', hereby consent to the continuation of planning and application to obtain the necessary approvals for the environmental impact assessment and other applications for the development as mentioned above.

This consent is to allow Specialists and Environmental Assessment Practitioners on the property to conduct the necessary investigations and undertake the necessary environmental assessment processes for the environmental impact assessment and applications for the proposed development. The development is subject to the signing of a final agreement between the parties, the Owner, the Applicant as well as the necessary environmental approvals.

Name of the Property/ Farm:	Visserspan
Registered Name of the Property:	Farm Visserspan No. 40, in extent of 1275.4069 hectares, in the Tokologo Local Municipality (FS182) division of the Lejweleputswa District Municipality, Boshoff Registration Division, Free State Province,
Owner's Address:	UITRECHT BULTFONTEIN, 9670
Owner's Telephone Number:	051 8532692
Owner's Email:	eugenegeyer@vodamail.co.za>

Signed at Bultfontein on this the **23rd** day of October 2019.


Owner
(with the necessary Power of Attorney)


Witness

RESOLUTION of the Trustees of BREDEKAMP FAMILIE TRUST, held on the 23rd day of October 2019

Registration Number: **TMP2131/1992**

NOTED THAT –

1. the Trust is the registered owner of:

The Farm Visserspan No. 40, in extent of 1275.4069 hectares, in the Tokologo Local Municipality (FS182), division of the Lejweleputswa District Municipality, Boshoff Registration Division, Free State Province held by virtue of Deed of Transfer No. T7168/2013.

(referred to as the "Property".)


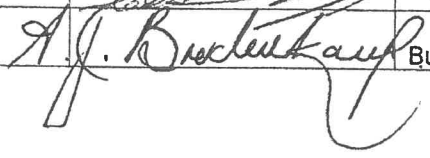
2. the Trust wishes to:

develop the Visserspan Solar Project No.2 ("Solar") and approve the execution of an EIA study, necessary for the development. The development of the Solar Project will be done by Environment Impact Assessment Consultants appointed by Keren Energy Visserspan No 2 (Proprietary) Limited Registration Number 2019/186534/07, the company that will own the solar project and represented by Riaan Retief Janse van Rensburg as Director, in terms of which Keren Energy Visserspan No 2 (Proprietary) Limited and the appointed EIA Consultants will be given access to the Property to do the development.

THEREFORE IT IS RESOLVED THAT –

- 1 the Trust is hereby authorized to consent to the conducting of the Environment Impact Study on the Farm Visserspan No. 40 for the development of Visserspan Solar Project No.2.
- 2 the Trust hereby authorizes Mr. Christiaan Dietloff Bredenkamp, in his capacity as a Trustee of the Trust, to sign all necessary documents for the Environmental Impact Assessment to be conducted on the Farm Visserpan No .40

SIGNED BY THE TRUSTEES AS FOLLOWS –

NAME OF TRUSTEE	SIGNATURE	DATE AND PLACE
Christiaan Dietloff Bredenkamp		Bultfontein, 23 October 2019
Aletta Johanna Bredenkamp		Bultfontein, 23 October 2019

APPENDIX 4
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED

Not Applicable

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 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 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 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>	YES ✓

<p>Indicate capacity in MW: 75MW to not more than 100MW</p>	
<p>SIP 9: Electricity generation to support socioeconomic development Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p> <p>Indicate capacity in MW: 75MW to not more than 100MW</p>	<p>YES ✓</p>
<p>SIP 10: Electricity transmission and distribution for all Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	
<p>SIP 11: Agri-logistics and rural infrastructure Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p>SIP 12: Revitalisation of public hospitals and other health facilities Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p>SIP 13: National school build programme A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p>SIP 14: Higher education infrastructure Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	
<p>SIP 15: Expanding access to communication technology Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infraco fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p>SIP 16: SKA & Meerkat SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	
<p>SIP 17: Regional integration for African cooperation and development Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p>	

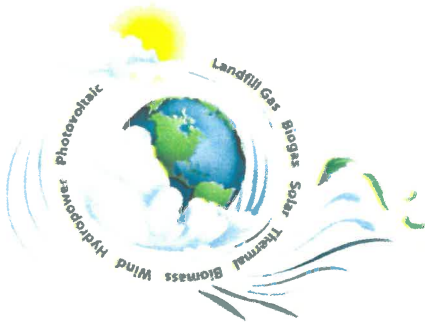
The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst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

SIP 18: Water and sanitation infrastructure

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

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

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



Independent Power Producer Office

Bylisbridge Office Park, Building 9, cnr Jean and Olievenhoutbosch Ave, Centurion

Tel +27 87 351 3000

www.ipp-projects.co.za

info@ipp-projects.co.za

RFI JANUARY 2020 RECEIPT

REFERENCE NUMBER: RFI JAN2020 - 045

PROJECT NAME: Visserpan No.4 Solar

DATE: 30/01/2020

TIME: 12h30

RECEIVED BY: IPP OFFICE

DOCUMENTS RECEIVED:

1.	Hard Copy X 2	✓	
2.	Soft Copy	✓	
3.			
4.			

RFI Response: Risk Mitigation Power Procurement Programme Generation	
Tender Reference Number:	
Name and Address of Respondent:	Keren Energy Visserspan No.4 (Pty) Ltd Reg No: 2019/186523/07 20 Victoria Link Route 21 Corporate Park Irene, Pretoria 0157. Tel 0658038687; Fax 086 2676181, P.O. Box 73, Somerset Mall 7137 E-mail: weyers@kerenenergy.com
RFI Date:	RFI Submission 31 January 2020
Technology:	Solar Photovoltaic
Copy Number:	Master
Category of Document:	Response to RFI
Project Name	Visserspan No.4 Solar Project

RFI Response

Contents

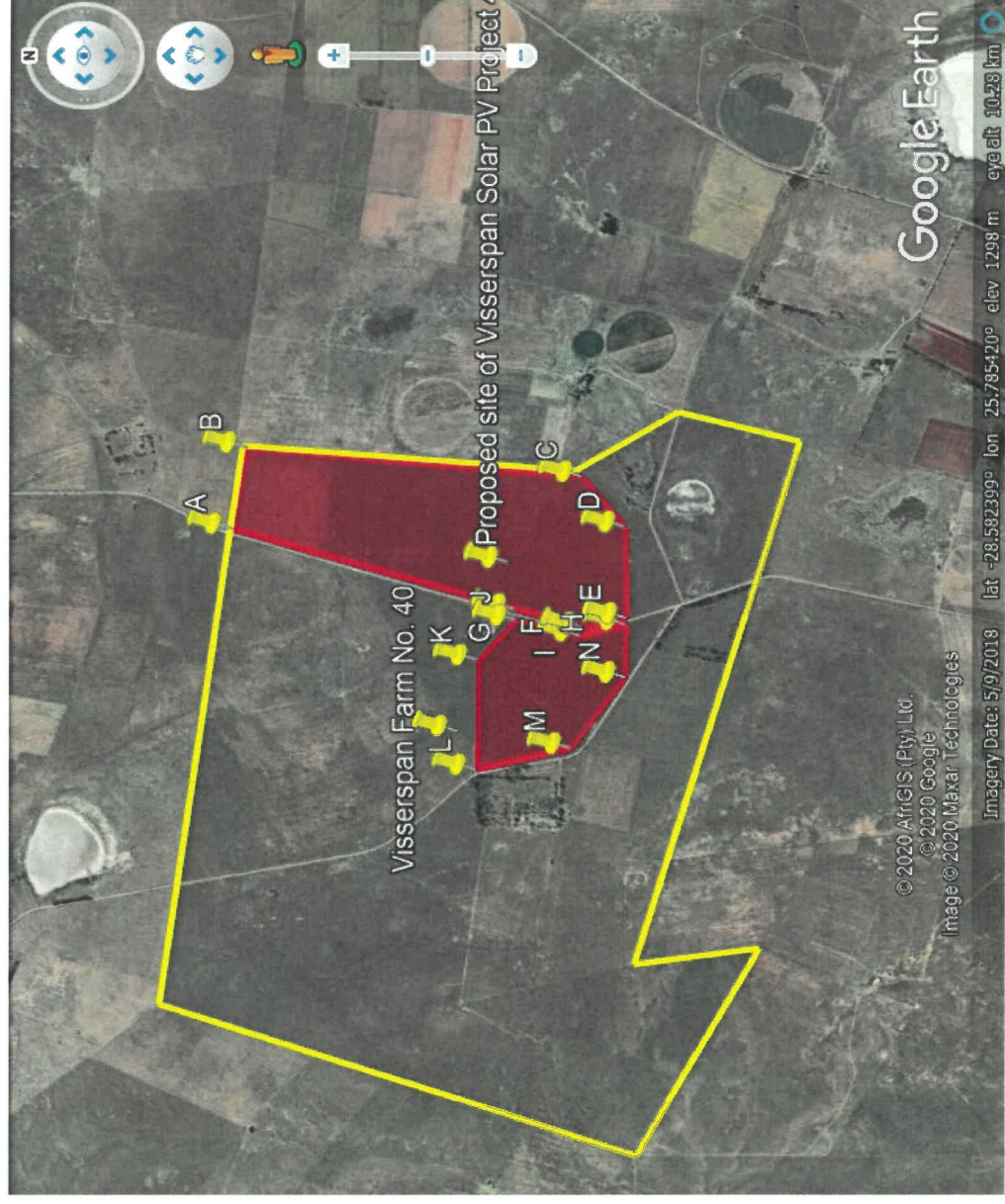
Introduction	3
Project Summary.....	4
Project Location.....	8

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

APPENDIX 6 – PROJECT COORDINATES:

Visspan Solar PV Facility Project 4 (outlined and shaded red). Project 4 development locality co-ordinates indicated as located within Visspan Farm No. 40 (outlined in yellow).

POINT	LATITUDE	LONGITUDE
A (east)	28°35'6.02"S	25°45'14.99"E
B	28°35'8.87"S	25°45'34.53"E
C	28°36'12.96"S	25°45'27.10"E
D	28°36'21.09"S	25°45'15.05"E
E	28°36'21.46"S	25°44'53.18"E
F	28°36'13.55"S	25°44'50.90"E
G	28°36'0.23"S	25°44'55.38"E
H (west)	28°36'21.35"S	25°44'51.65"E
I	28°36'12.71"S	25°44'49.02"E
J	28°36'0.37"S	25°44'52.77"E
K	28°35'52.96"S	25°44'43.29"E
L	28°35'52.75"S	25°44'17.10"E
M	28°36'10.86"S	25°44'22.10"E
N	28°36'21.26"S	25°44'39.04"E
Project 4 centre point	28°35'58.80"S	25°45'6.65"E
	-28.599667°	25.751847°



**APPENDIX 7
LOCALITY MAP**

Appendix A: Locality Maps

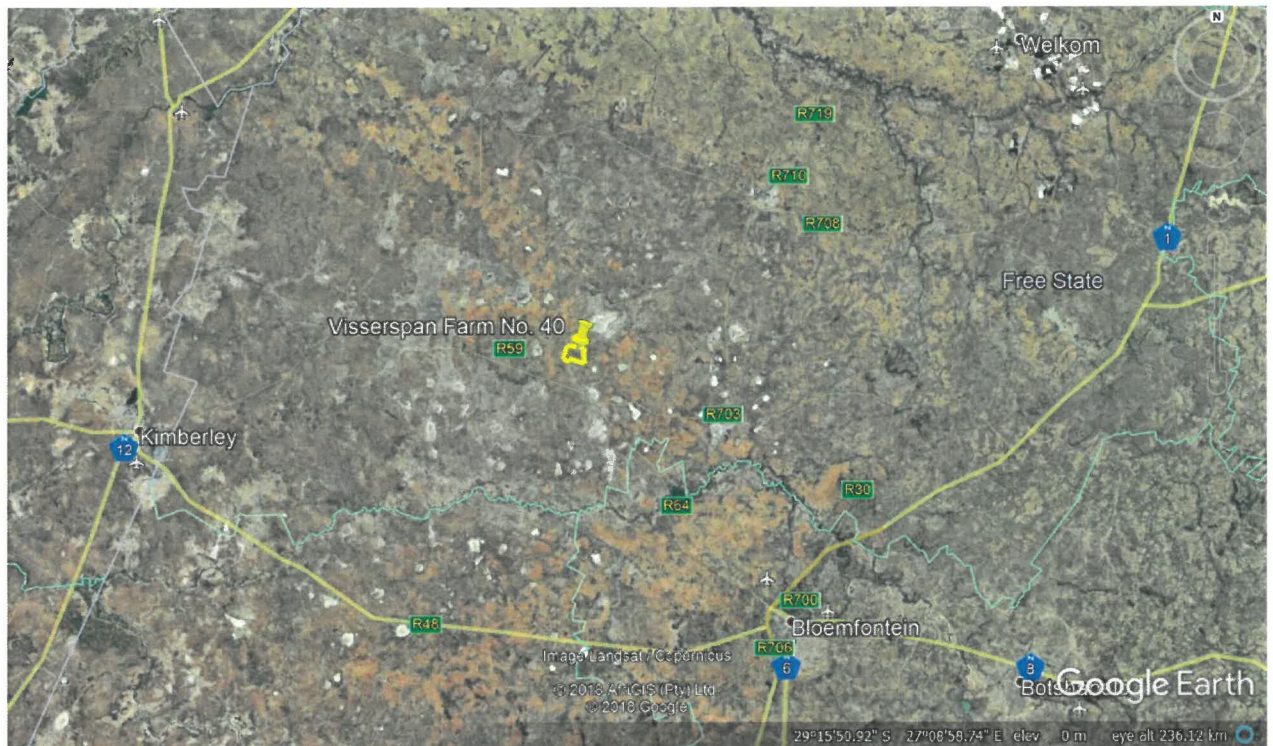


Figure 1: Indication (yellow pin and outline) of property, Visserspan Farm No. 40, Tokologo Local Municipality, Lejweleputswa District Municipality, Boshoff Registration Division, Free State Province, relative to major cities and national roads in the province.

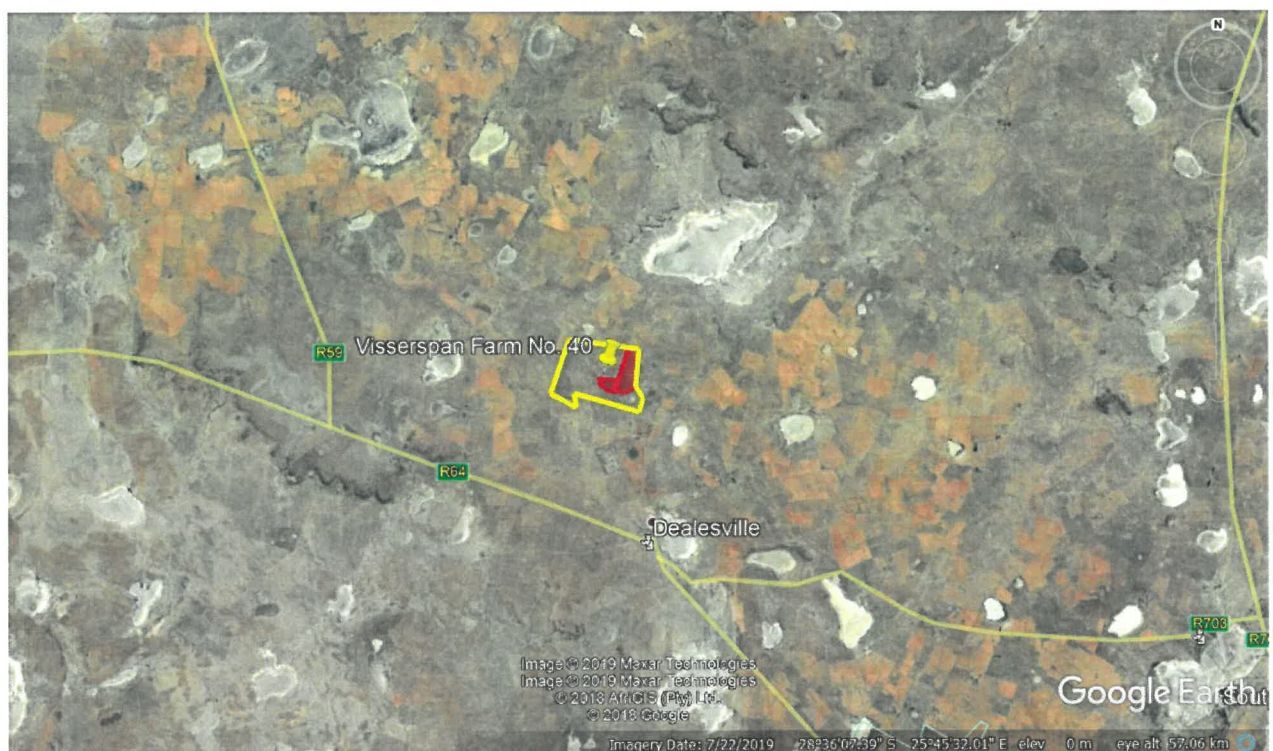


Figure 2: Indication (yellow pin and outline) of property, Visserspan Farm No. 40, Tokologo Local Municipality, Lejweleputswa District Municipality, Boshoff Registration Division, Free State Province, on which the Visserspan Solar PV Facility Project No. 4 (indicated with red outline), is proposed.

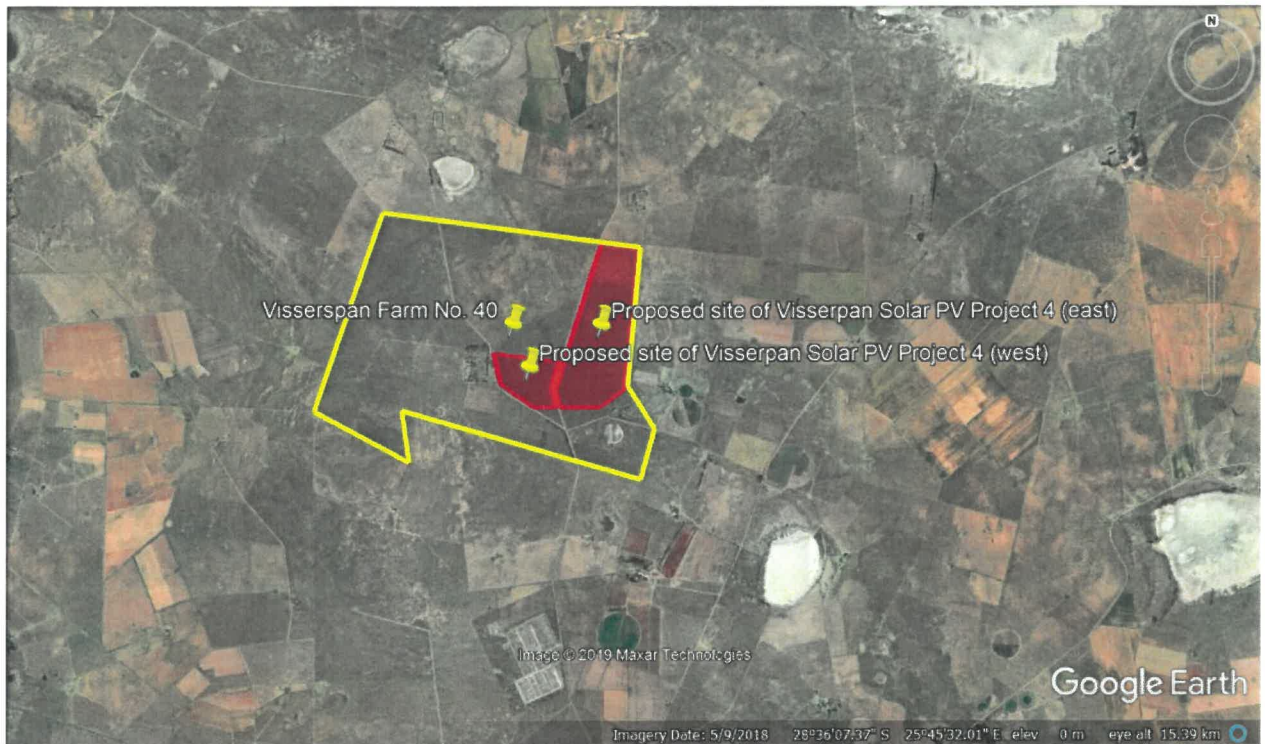


Figure 3: Indication (yellow outline) of property, Visserspan Farm No. 40, Tokologo Local Municipality, Lejweleputswa District Municipality, Boshoff Registration Division, Free State Province, on which the Visserspan Solar PV Facility Project No. 4 (indicated with red outline), is proposed

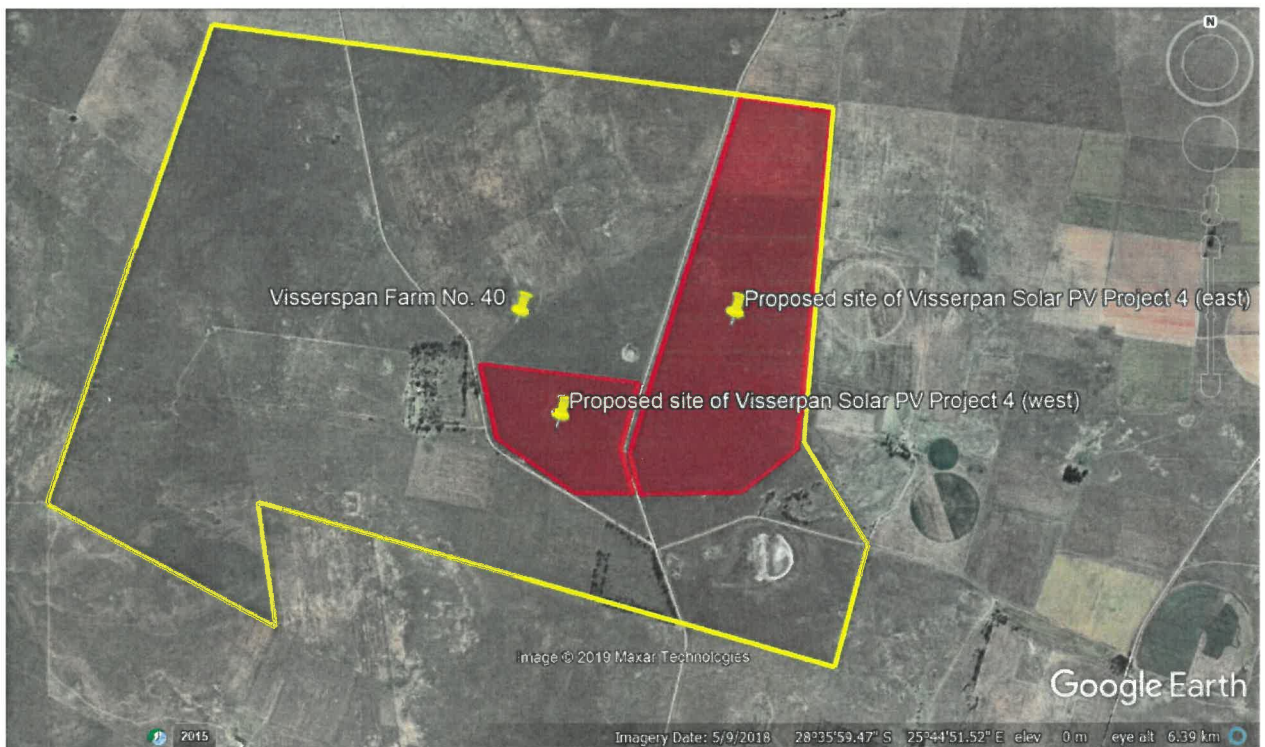


Figure 4: Indication (yellow outline) of property, Visserspan Farm No. 40 (extent 12 754 069 ha), on which the Visserspan Solar PV Facility Project No. 4 (extent 238 ha) and indicated with red outline, is proposed.

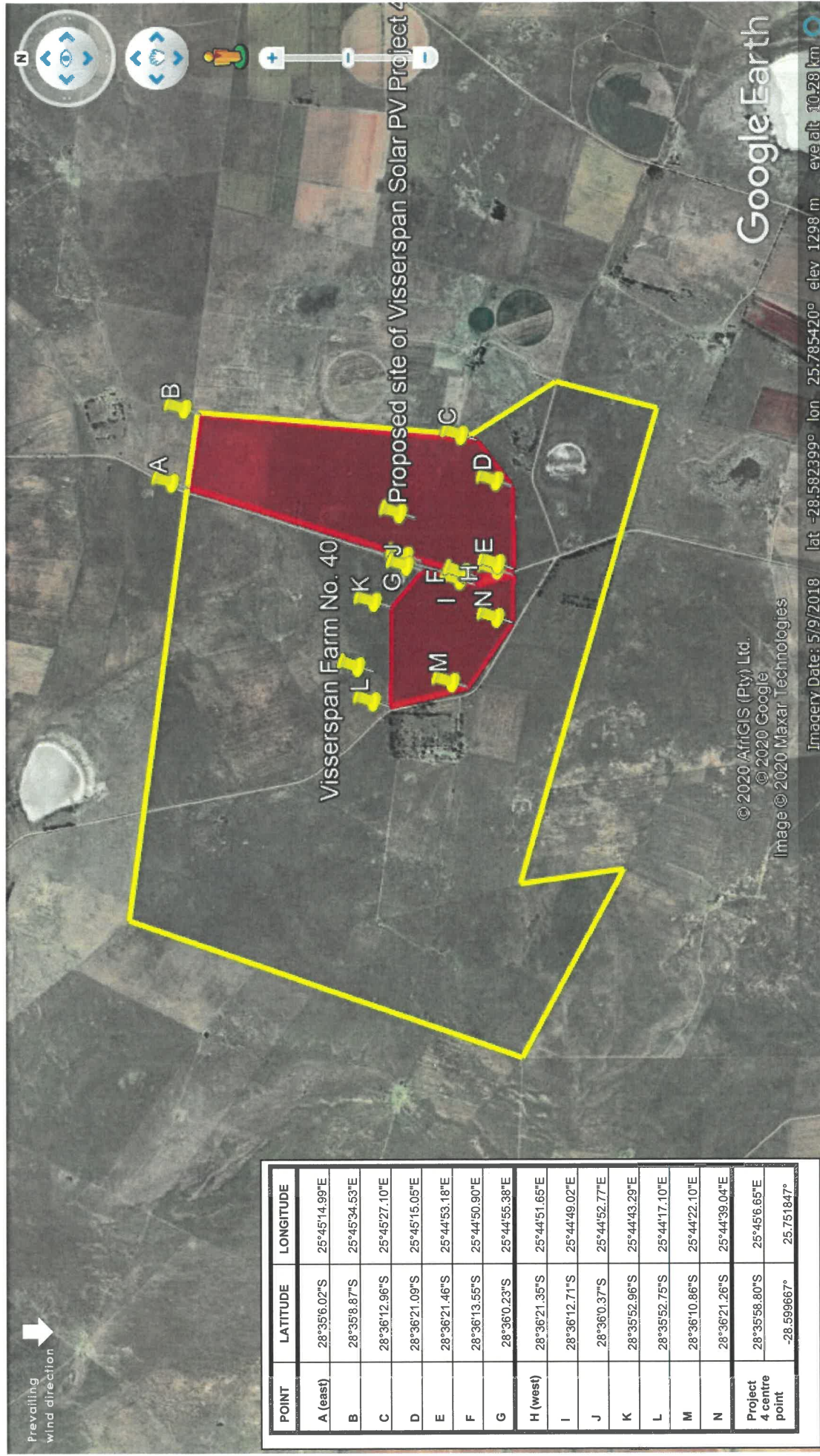
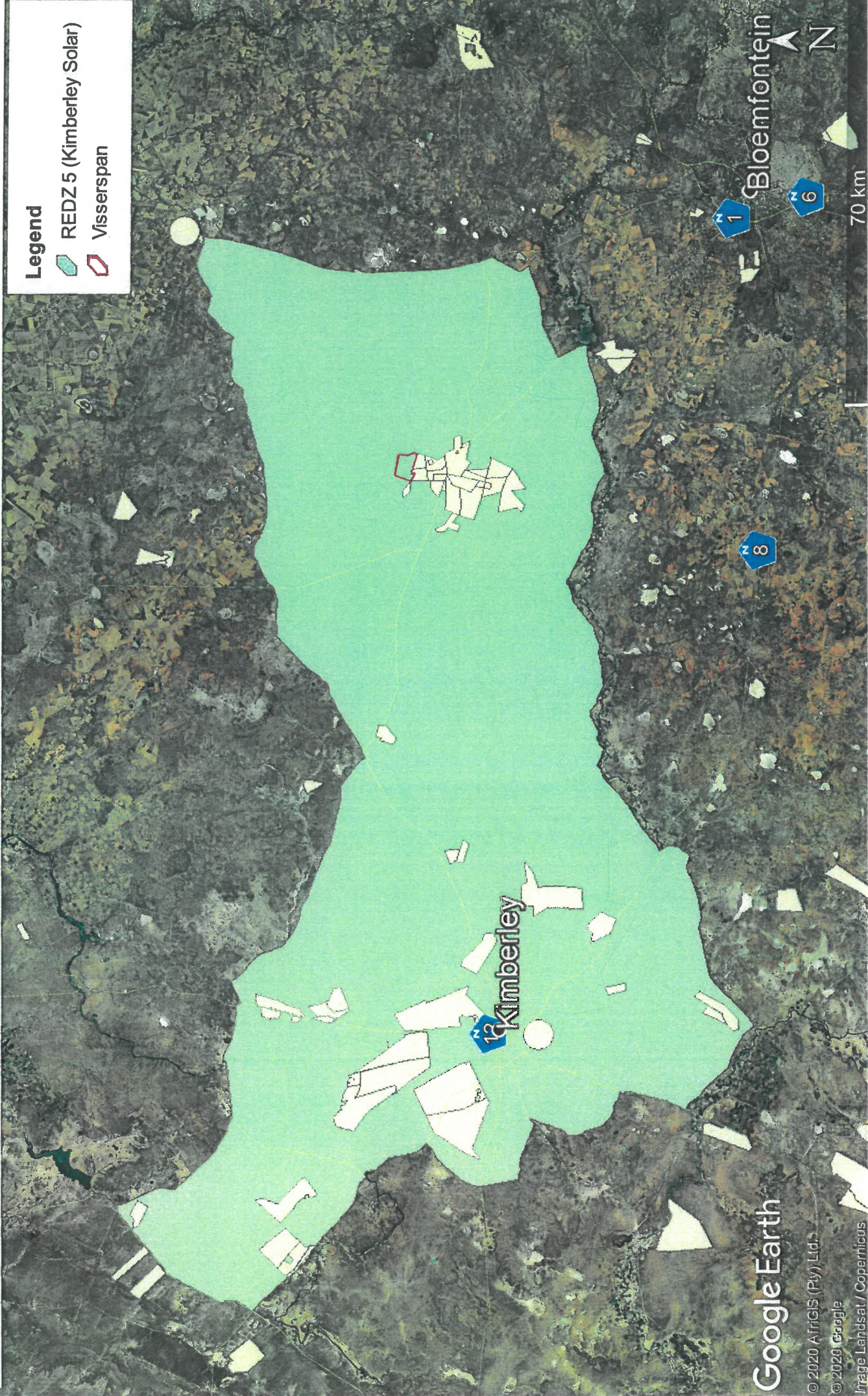


Figure 5: Visserspan Solar PV Facility Project 4 (outlined and shaded red). Project 4 site is split into two parts by dirt road 31724. The site is referred to as Project 4 (east) and Project 4 (west) with co-ordinates indicated as located within Visserspan Farm No. 40 (outlined in yellow). Area has a northerly prevailing wind direction.

Renewable Energy EIA Applications (REEA) in Renewable Energy Development Zone 5 (REDZ)

Existing REEA (shaded white) relative to current Visserspan Farm No. 40 solar PV applications (farm outlined in red) - Projects 1 to 4 located within Visserspan Farm.



**APPENDIX 8
PROJECT SCHEDULE**

**2020 Environmental Impact Assessment (EIA) Process
Revised Project Plan: Visserspan Solar PV Projects**

No.	Action	Target Date	Progress
1	Clarification meeting with client and appointment of environmental assessment practitioner (EAP) for EIA and environmental authorisation (EA) application	21 October 2019	
2	Appointment of specialists for basic assessment report (BAR) assessments	5 November 2019	
3	EAP site visit	11 - 13 November 2019	
4	First round of public participation (PP) for minimum of 30 days, with background document/mailedrop, for registration purposes: <ul style="list-style-type: none"> - Place advertisement in local newspapers - Send out notifications to previously registered Interested and Affected Parties (I&APs) - Send out Notifications and copies of draft (DBAR) to Authorities - Place A2 posters on site - Display and place A3 posters, mailedrop letters in public facilities (Municipality – local and district, large retail shops, community clinic) - Display A3 posters at informal settlement entrances / local spaza shops - Deliver mailedrop letters to neighbouring properties / community clinic in closest township 	13 November - 15 December 2019	
	First round (pre-application) of PP ends	15 December 2019	
5	Specialist site visits	October 2019 – January 2020	
6	Receipt and review of specialist draft pre-application reports	December 2019 – January February 2020	
7	Compile updated I&AP list and finalise pre-application PP comment and response report	October 2019 – January 2020	
8	Compile and finalise draft BAR (DBAR) using specialist assessments	21-28 February 2020	
9	Complete EA application document and submit with DBAR to DEFF	End February 2020	
10	Second round of PP starts (minimum 30 days) with issue of DBAR to I&APs	Early March 2020	
11	Receive project reference numbers from DEFF (Project 1 received: 26/03/2020, Projects 2 to 4 received: 14/04/2020)	March & April 2020	
12	PP delayed due to COVID-19 lockdown. Second round of PP ends	Early April 26 June 19 July 2020	
13	Compile updated I&AP list and finalise DBAR PP response report	April June/July 2020	
14	Liaison with DEFF re. PP comments and potential DBAR issues	April/May July/August 2020	
15	Specialist assessment revisions / addendums due (if required)	April/Mid-May July/Mid-August 2020	
16	Compile final BAR (FBAR) and environmental management programme (EMPr)	April/May July/August 2020	
17	Submit FBAR to DEFF	Mid to End May August 2020	
18	Inform I&APs of FBAR submission (no 30 day PP - just notification)	Early June September 2020	
19	Await DEFF decision (Competent Authority has 57 days for decision)	End July/Early November 2020	
20	Applicant to inform I&APs of EA decision and right to appeal (within 14 days of receipt of EA). EAP may be instructed to inform I&APs on behalf of Applicant. I&APs then have 20 days to appeal EA decision before it stands.	Before Mid-August End November 2020	

KEY: Target not met: ;

In progress: ;

Target met / met to date: 

Ventura Renewable Energy (Pty) Ltd: Viesserspan Solar PV Facility Project Plan

[illegible]

**APPENDIX 9
DECLARATION OF THE APPLICANT**

I, CW JANSZ VAN RENSBURG 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

VENTURA RENEWABLE ENERGY (PTY) LTD
Name of company (if applicable)

28/02/2020
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.



Companies and Intellectual
Property Commission

a member of the dti group

COR14.3: Registration Certificate

Registration Number: 2019 / 645107 / 07

Enterprise Name: VENTURA RENEWABLE ENERGY

ENTERPRISE INFORMATION

Registration Number 2019 / 645107 / 07

Enterprise Name VENTURA RENEWABLE ENERGY

Registration Date 31/10/2019

Business Start Date 31/10/2019

Enterprise Type Private Company

Enterprise Status In Business

Financial Year End February

TAX Number 9724704177

Addresses

POSTAL ADDRESS

286 SCHONGEZICHT STREET
ERASMURAND
ERASMURAND
GAUTENG
0181

ADDRESS OF REGISTERED OFFICE

20 VICTORIALINK
ROUTE 21 CORPORATE PARK
IRENE
GAUTENG
0062

ACTIVE MEMBERS / DIRECTORS

Surname and First Names	Type	ID Number / Date of Birth	Appointment Date	Addresses
JANSE VAN RENSBURG, GEORGE FREDERIK	Director	7201275093083	31/10/2019	Postal: P O BOX 73, SOMERSET MALL, SOMERSET WEST, WESTERN CAPE, 7140 Residential: 27 ST ANDREWS DRIVE, GREENWAYS, STRAND, WESTERN CAPE, 7140
EKSTEEN, FREDERIK JACOBUS	Director	4601075017088	31/10/2019	Postal: 286 SCHOONGEZICHT STREET, ERASMURAND, ERASMURAND, GAUTENG, 0181 Residential: 286 SCHOONGEZICHT STREET, ERASMURAND, ERASMURAND, GAUTENG, 0181



Meeting held of the Board of Directors of Ventura Renewable Energy (Pty) Ltd ("the Company"),
Registration Number: 2019/545107/07, on 13 February 2020.

Present:

FJ Eksteen

GF Janse van Rensburg

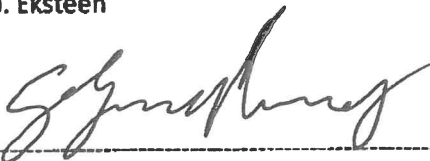
Resolved:

1. That Mr. Cornelius Weyers Janse van Rensburg (ID 7301275062086) is authorised to sign all relevant documents and complete all necessary actions in relation to any Environmental Authorisations or Basic Assessments on behalf of the company.

Signed on 13 February 2020:



F.J. Eksteen



G.F. Janse van Rensburg

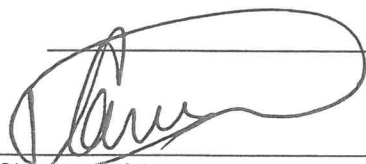
**APPENDIX 10
DECLARATION OF THE EAP**

I, **Vivienne Thomson**, 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:~~



Signature of the environmental assessment practitioner

EnviroAfrica CC

Name of company:

06 March 2020

Date

UNDERTAKING UNDER OATH/ AFFIRMATION

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



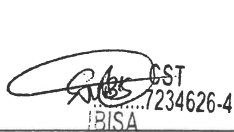
Signature of the Environmental Assessment Practitioner

EnviroAfrica CC

Name of Company

06 March 2020

Date



CST
7234626-4
UBISA



CST
7234626-4
UBISA

Signature of the Commissioner of Oaths



2020-03-06

Date

APPENDIX 11
SCREENING TOOL REPORT

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION OR
FOR A PART TWO AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION
AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: To be provided

Project name: VISSERSPAN SOLAR PV FACILITY PROJECT 4 *(east)*

Project title: VISSERSPAN SOLAR PV FACILITY PROJECT 4 on Visserspan Farm No. 40, REDZ 5, Free State Province

Date screening report generated: 26/02/2020 17:06:24

Applicant: Ventura Renewable Energy (Pty) Ltd

Compiler: EnviroAfrica CC (V Thomson)

Compiler signature:

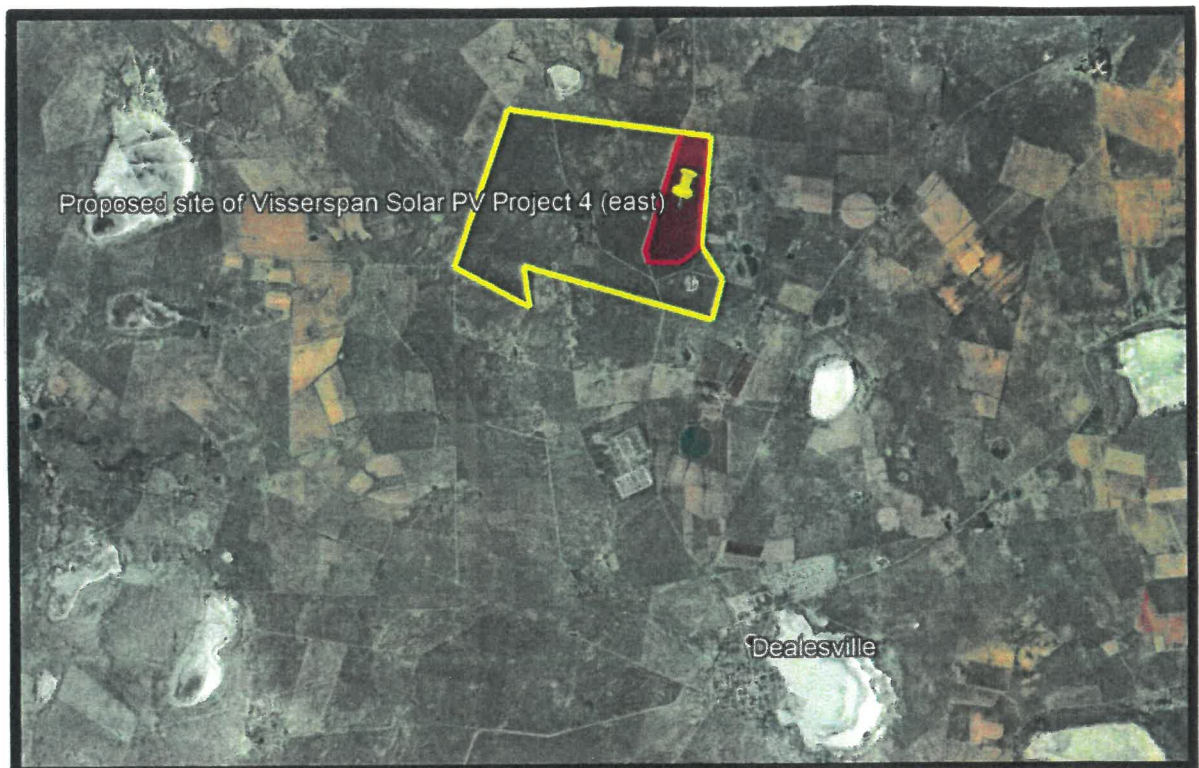
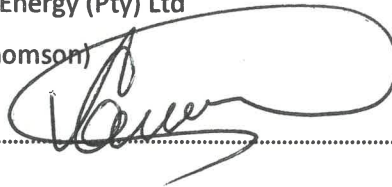
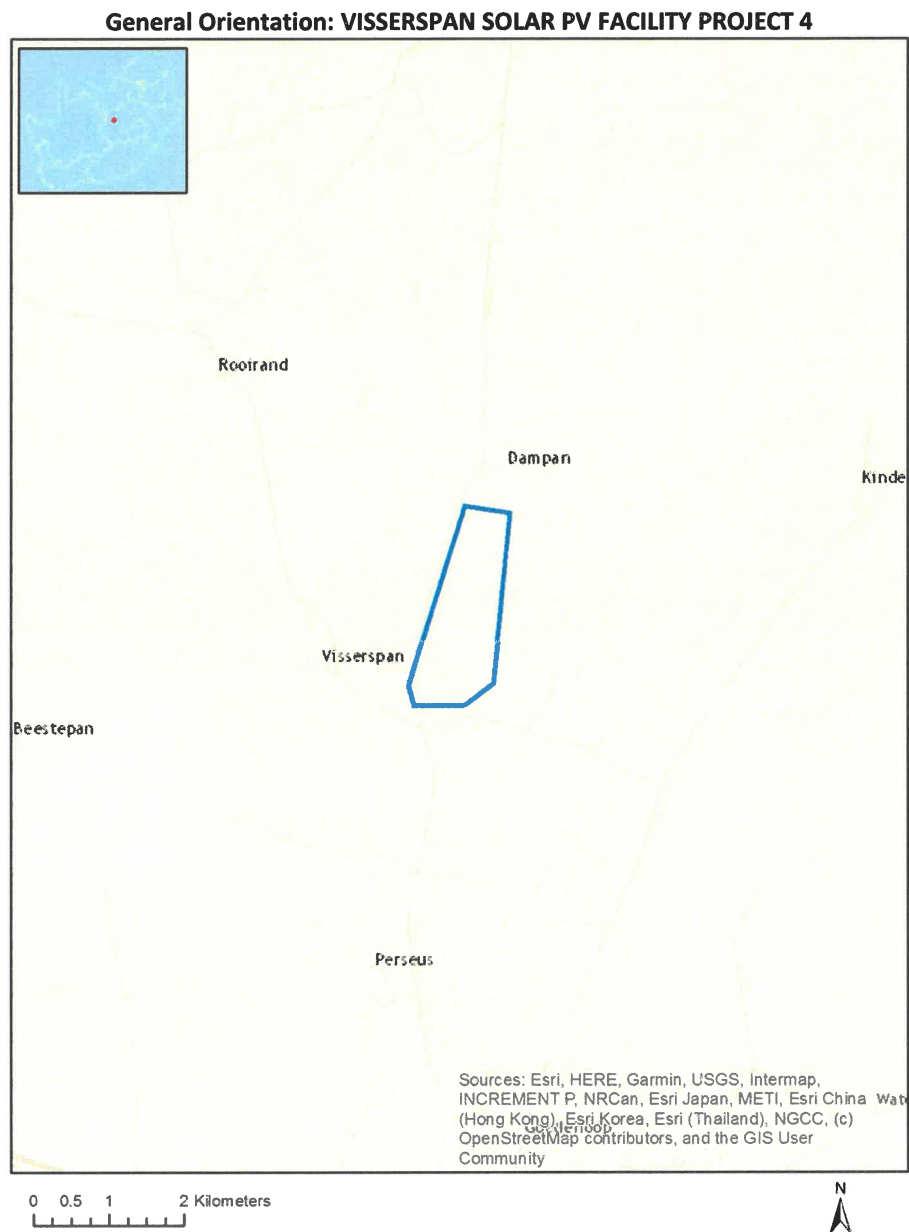


Table of Contents

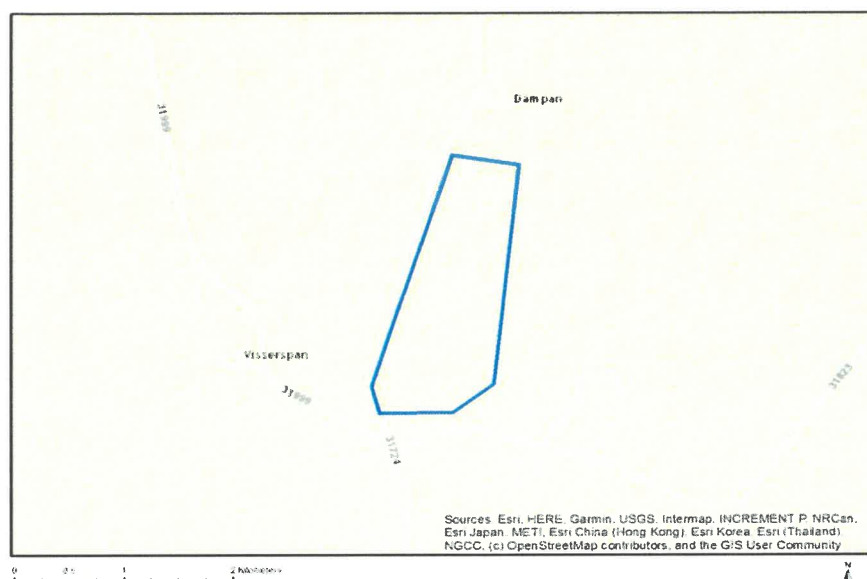
Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	4
Environmental Management Frameworks relevant to the application	5
Environmental screening results and assessment outcomes	5
Relevant development incentives, restrictions, exclusions or prohibitions	5
Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones	6
Proposed Development Area Environmental Sensitivity	6
Specialist assessments identified	7
Results of the environmental sensitivity of the proposed area.	9
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY	9
MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY	10
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	11
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	12
MAP OF RELATIVE AVIAN THEME SENSITIVITY	13
MAP OF RELATIVE BATS THEME SENSITIVITY	14
MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY	15
MAP OF RELATIVE DEFENCE THEME SENSITIVITY	16
MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY	17
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY	18
MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	19
MAP OF RELATIVE RFI THEME SENSITIVITY	20
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	21

Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	VISSERSPAN	40	0	28°35'52.39S	25°44'12.21E	Farm
2	VISSERSPAN	40	0	28°35'51.64S	25°44'17.88E	Farm Portion

Development footprint¹ vertices:
No development footprint(s) specified.

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

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	14/12/16/3/3/2/724	Solar PV	Approved	14.9
2	14/12/16/3/3/2/722	Solar PV	Approved	14.9
3	14/12/16/3/3/2/717	Solar PV	Approved	10.7
4	14/12/16/3/3/2/723	Solar PV	Approved	0.7
5	14/12/16/3/3/2/718	Solar PV	Approved	7.6
6	14/12/16/3/3/2/719	Solar PV	Approved	6.4
7	14/12/16/3/3/2/720	Solar PV	Approved	2.7
8	14/12/16/3/3/2/755	Solar PV	Approved	1.8

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.

9	14/12/16/3/3/2/721	Solar PV	Approved	3.7
10	14/12/16/3/3/2/728	Solar PV	Approved	0.7

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

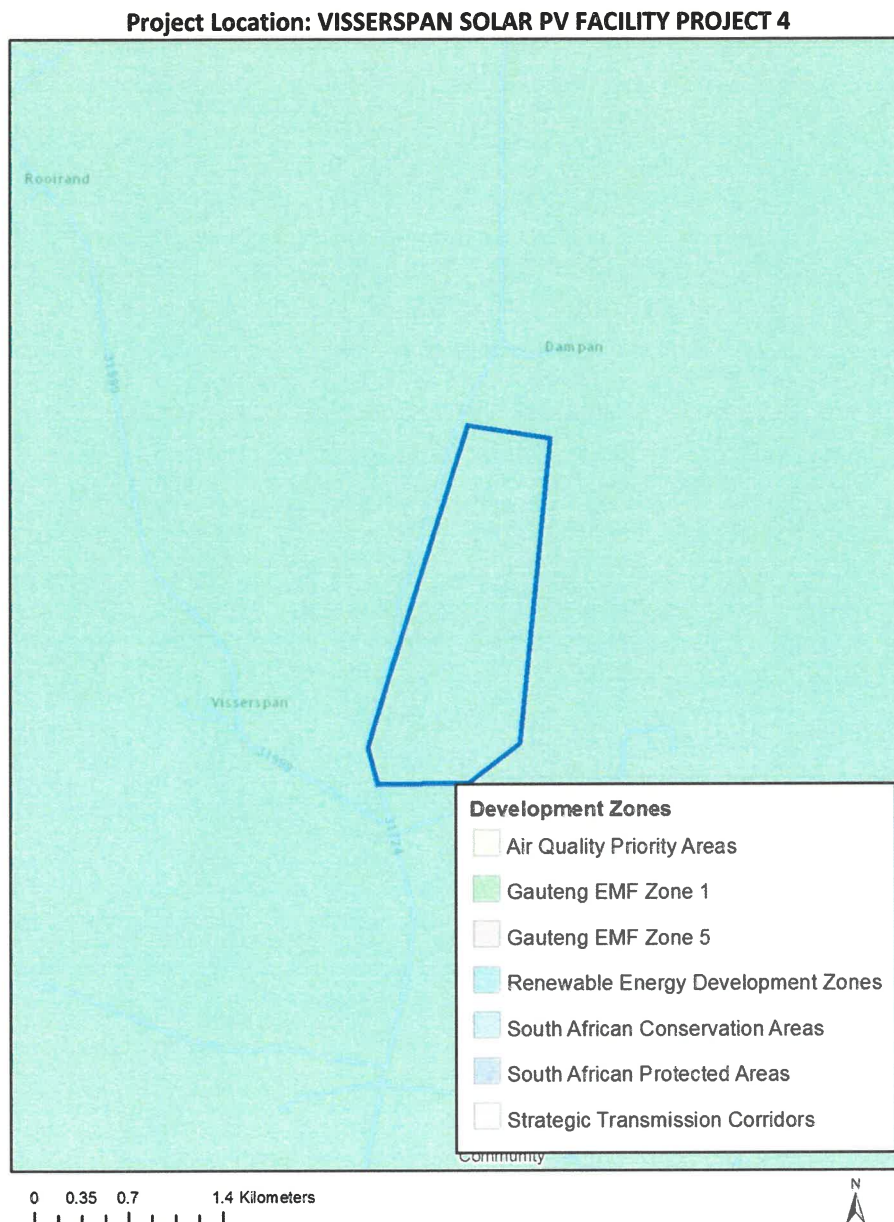
The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is: Utilities Infrastructure | Electricity | Generation | Renewable | Solar | PV | Solar PV.

Relevant development incentives, restrictions, exclusions or prohibitions

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

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GNR_350_of_13_April_2017.pdf
Renewable energy development zones 5-Kimberley	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GNR_350_of_13_April_2017.pdf

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



Proposed Development Area Environmental Sensitivity

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

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme		X		
Animal Species Theme				X

Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage Theme		X		
Avian Theme		X		
Bats Theme				X
Civil Aviation (Solar PV) Theme				X
Defence Theme				X
Landscape (Solar) Theme	X			
Paleontology Theme			X	
Plant Species Theme				X
RFI Theme				X
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

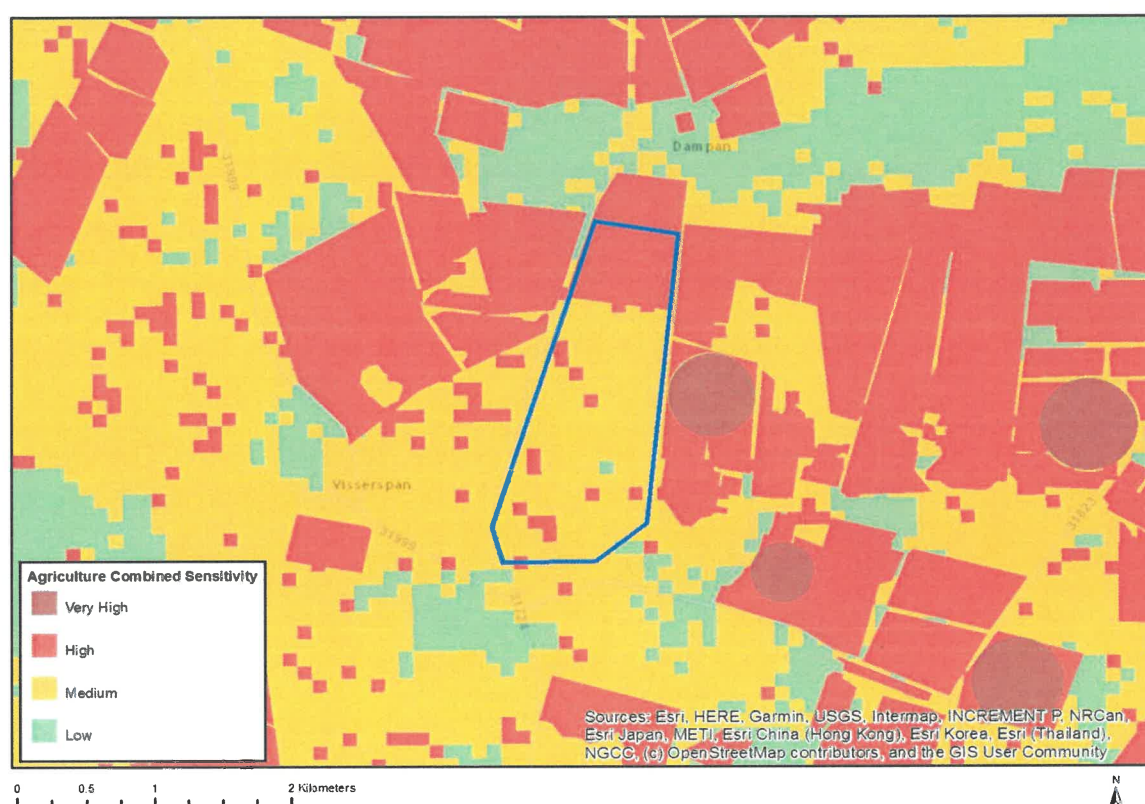
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Agriculture Assessment Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
4	Paleontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Terrestrial Biodiversity Assessment Protocols.pdf

6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Aquatic Biodiversity Assessment.pdf
7	Avian Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
8	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Civil Aviation Installations Assessment Protocols.pdf
9	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Defence Installations Assessment Protocols.pdf
10	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
12	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
13	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
14	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement 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

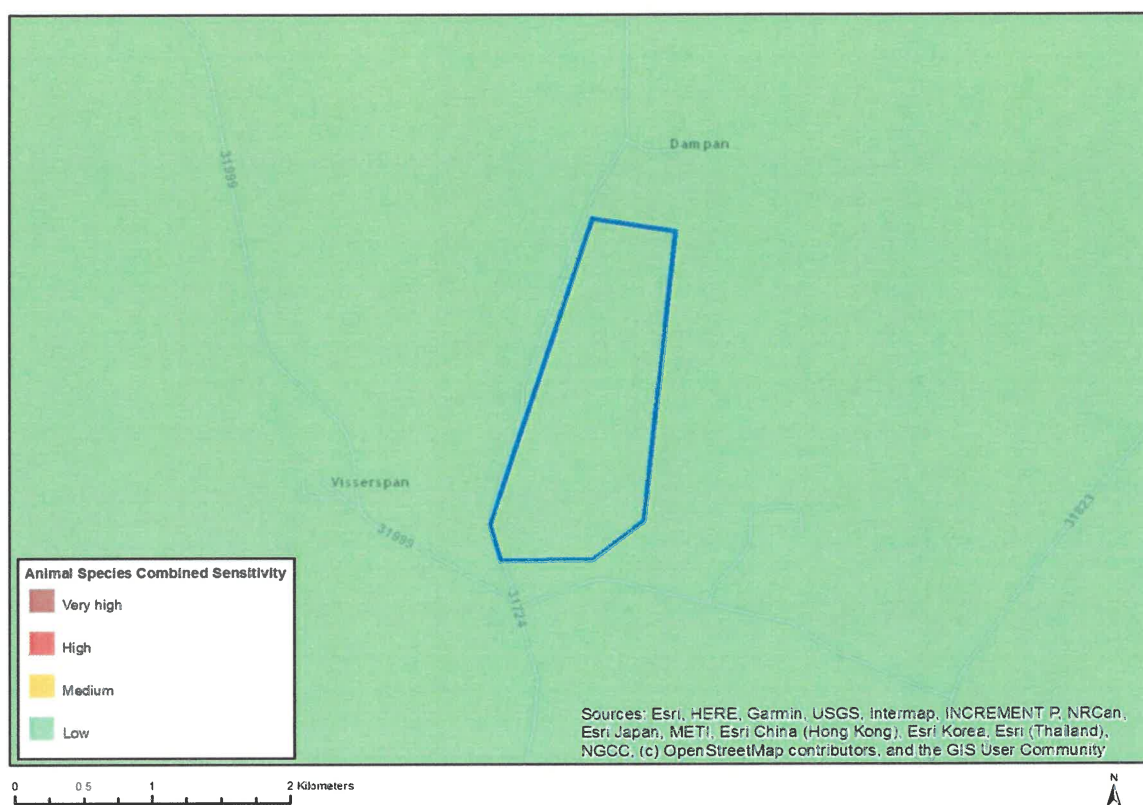


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
High	Annual Crop Cultivation / Planted Pastures Rotation;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
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

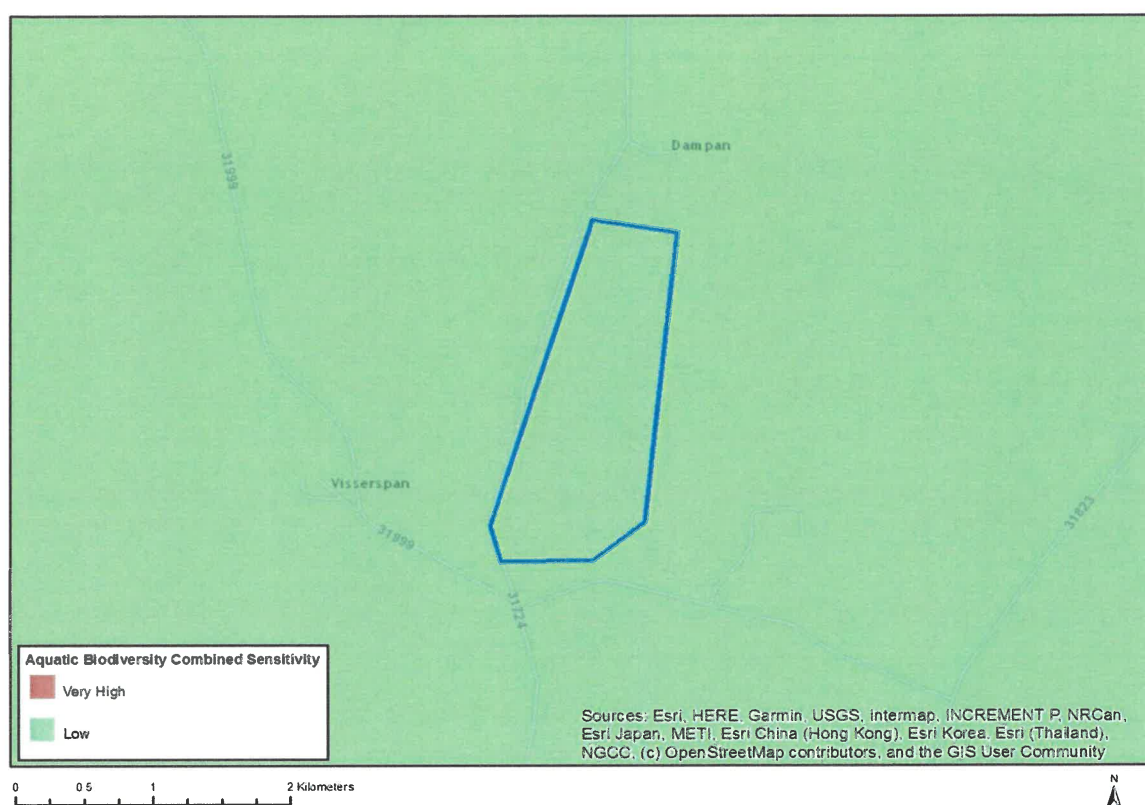


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

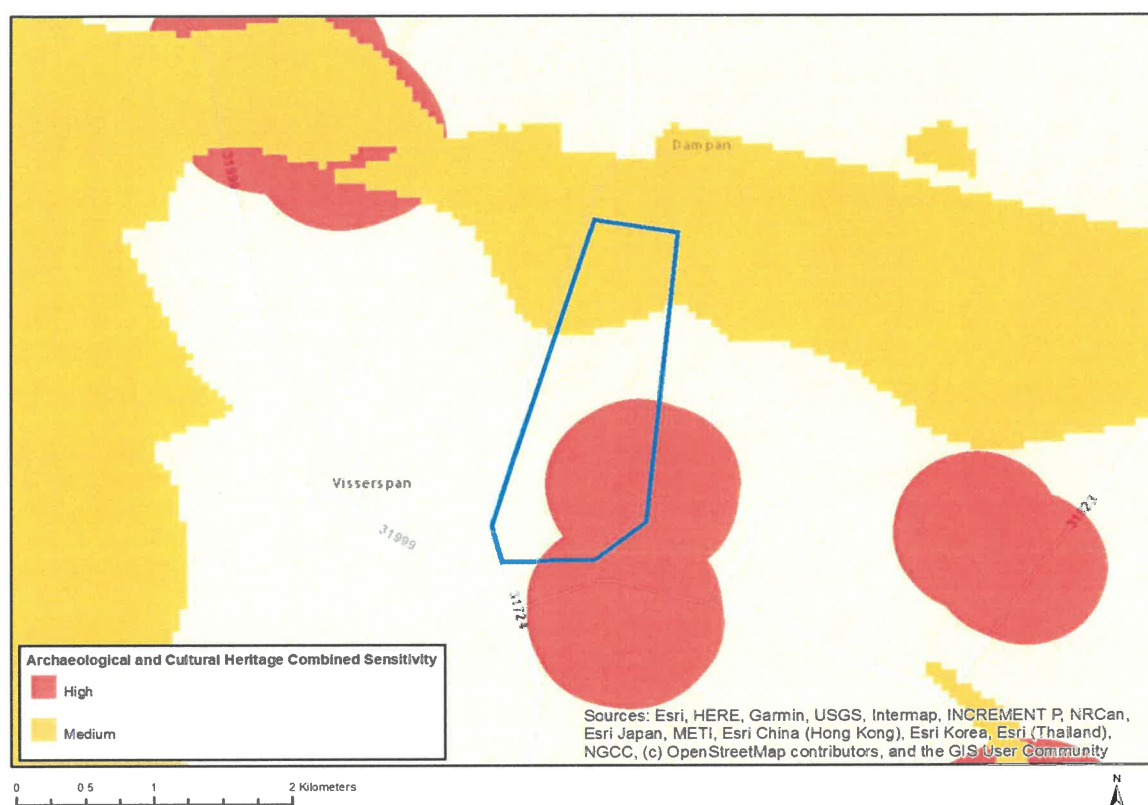


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity Areas

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

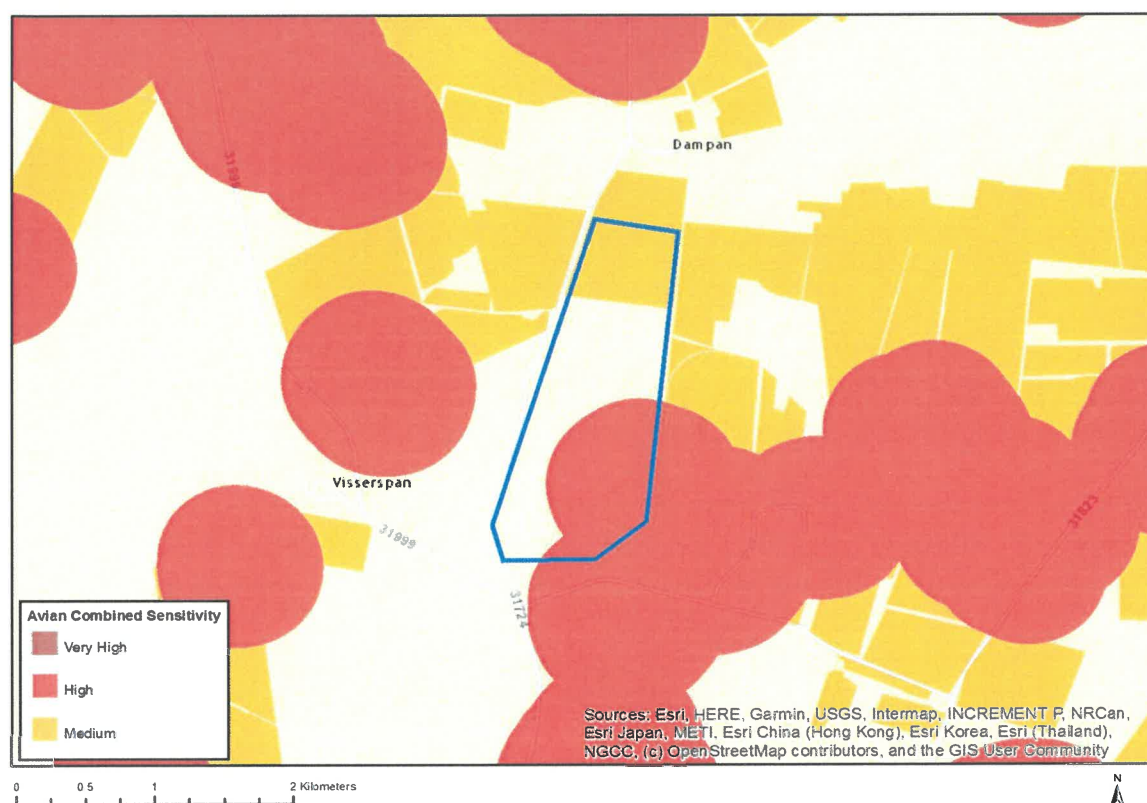


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within an important wetland
High	Within 500 m of an important wetland
Medium	Mountain or ridge

MAP OF RELATIVE AVIAN THEME SENSITIVITY

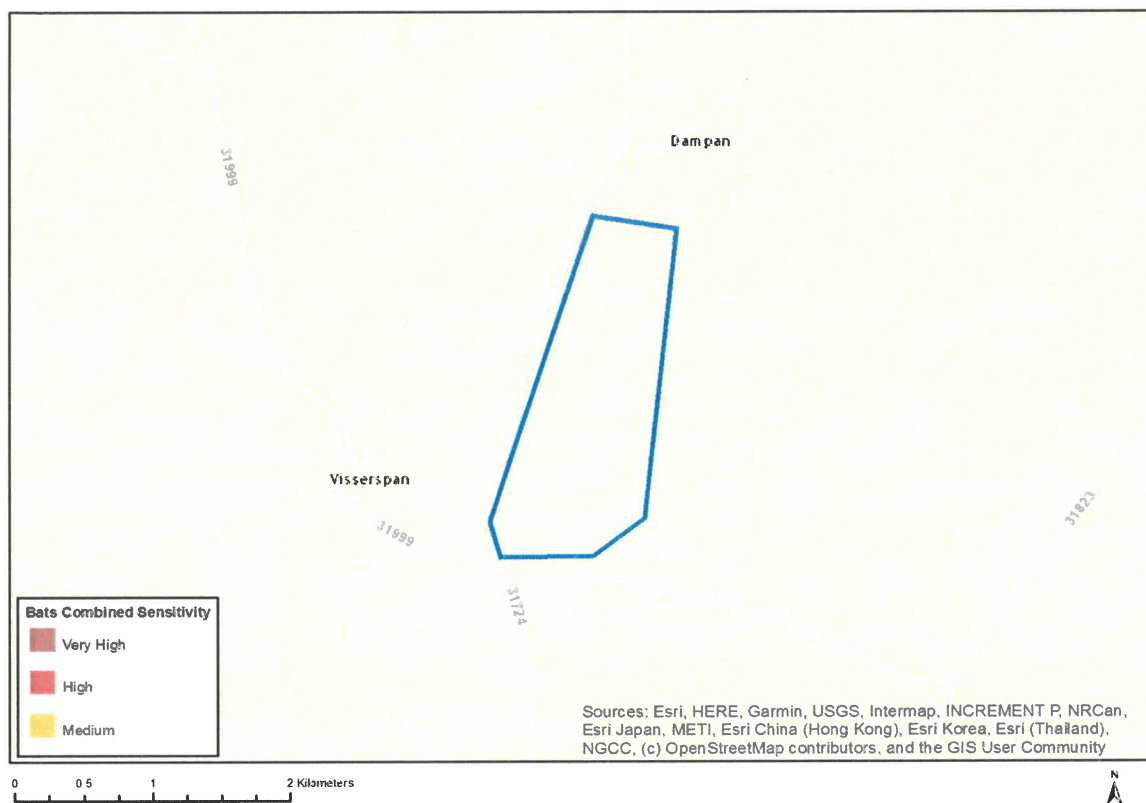


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Wetland
High	Within 500 m of a wetland
Medium	Croplands

MAP OF RELATIVE BATS THEME SENSITIVITY

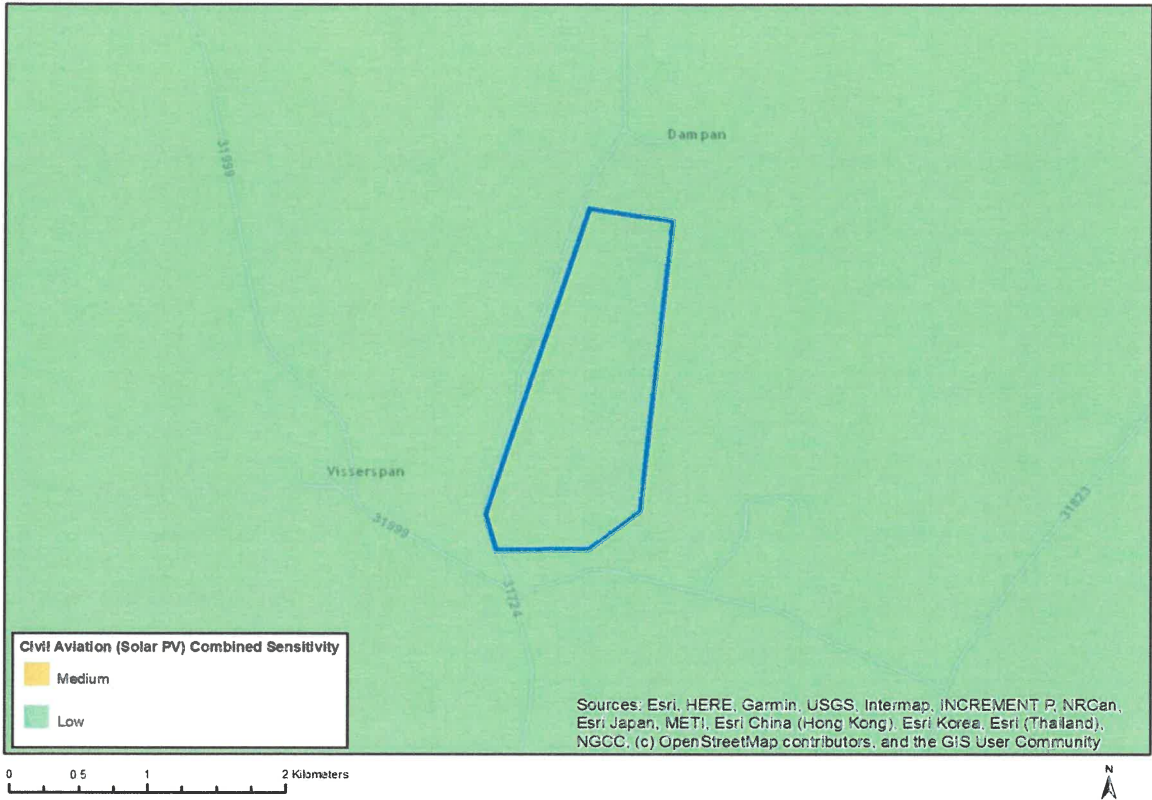


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY

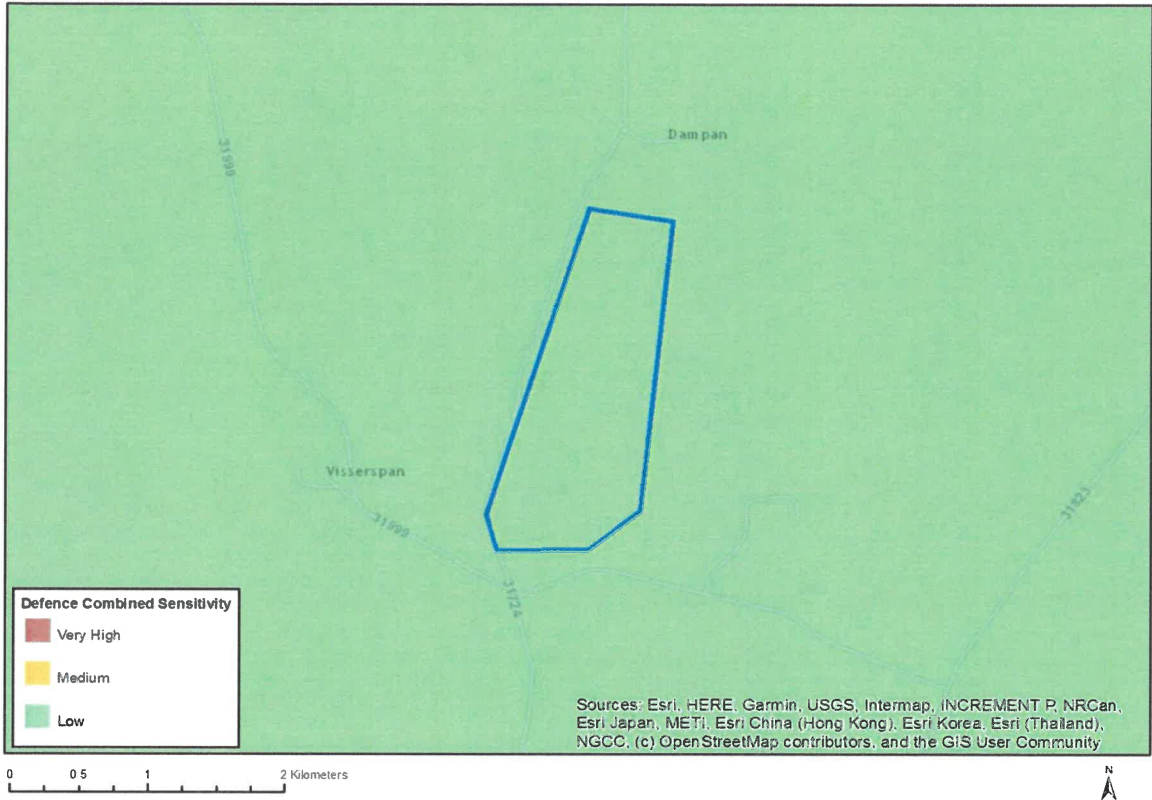


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

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

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

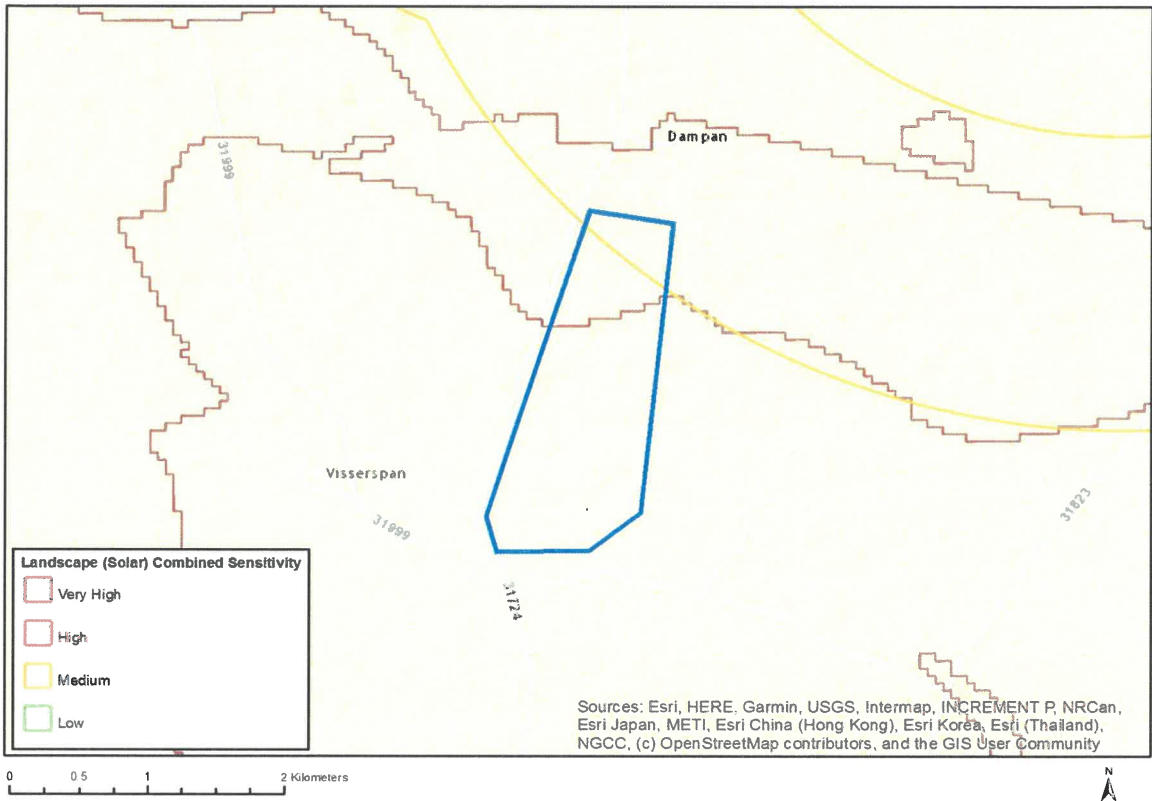


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY

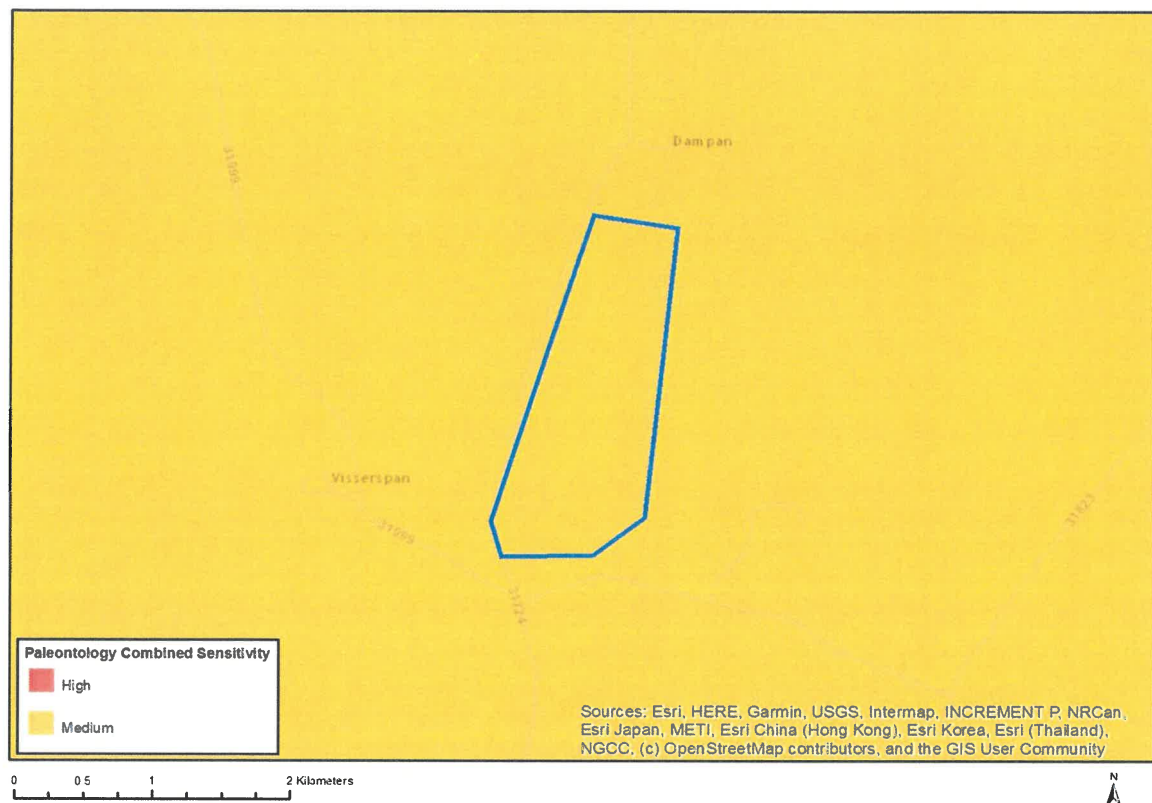


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Between 3 and 5 km of a nature reserve
Very High	Mountain tops and high ridges

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

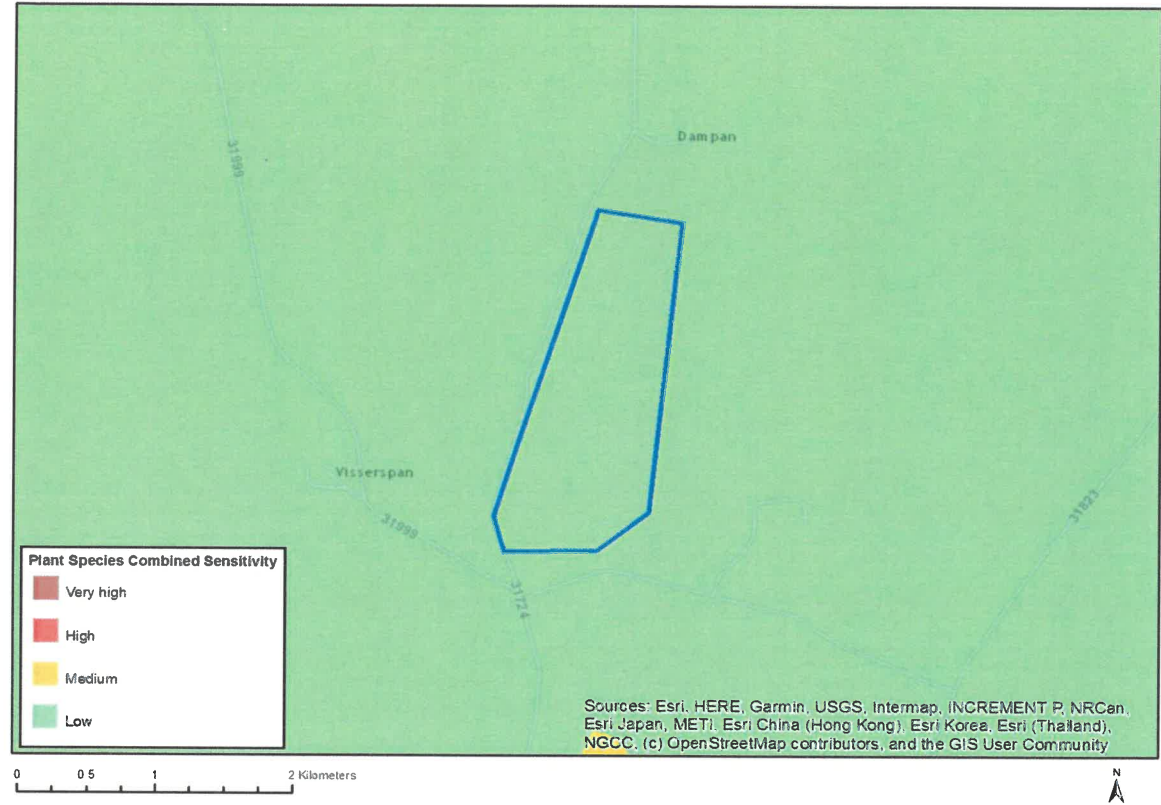


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Rock units with a medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY

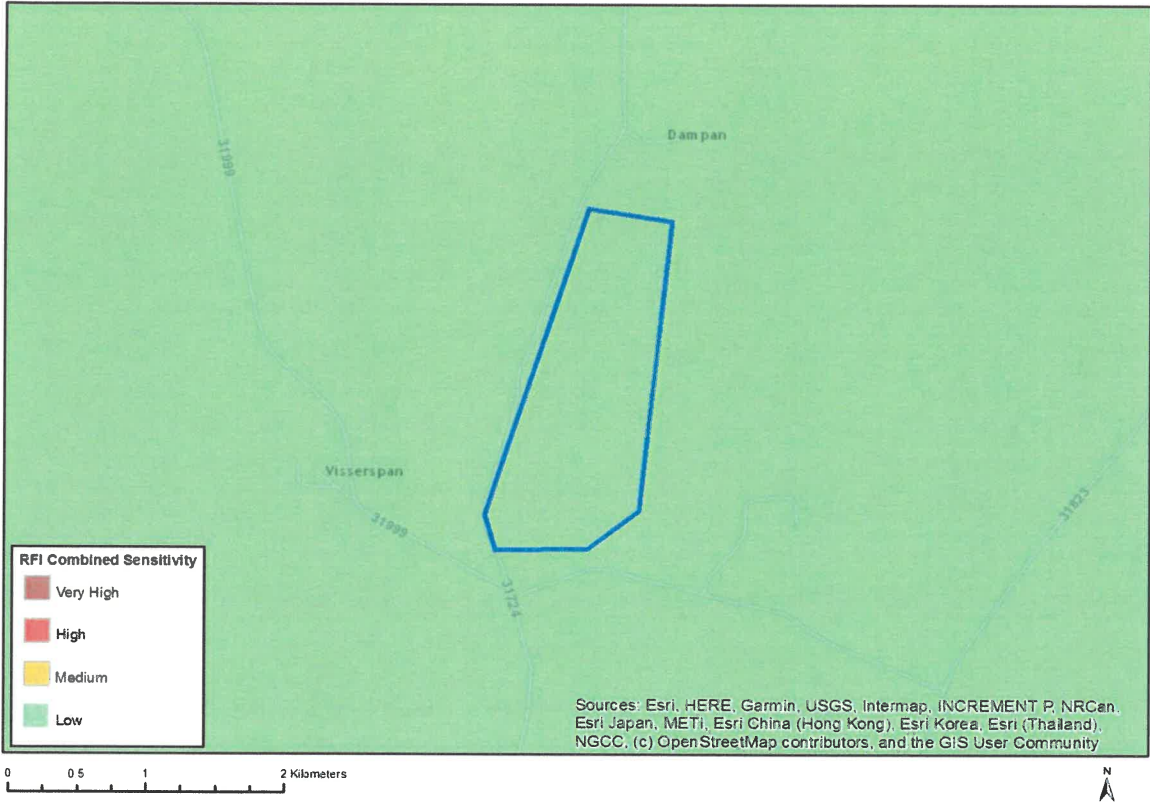


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE RFI THEME SENSITIVITY

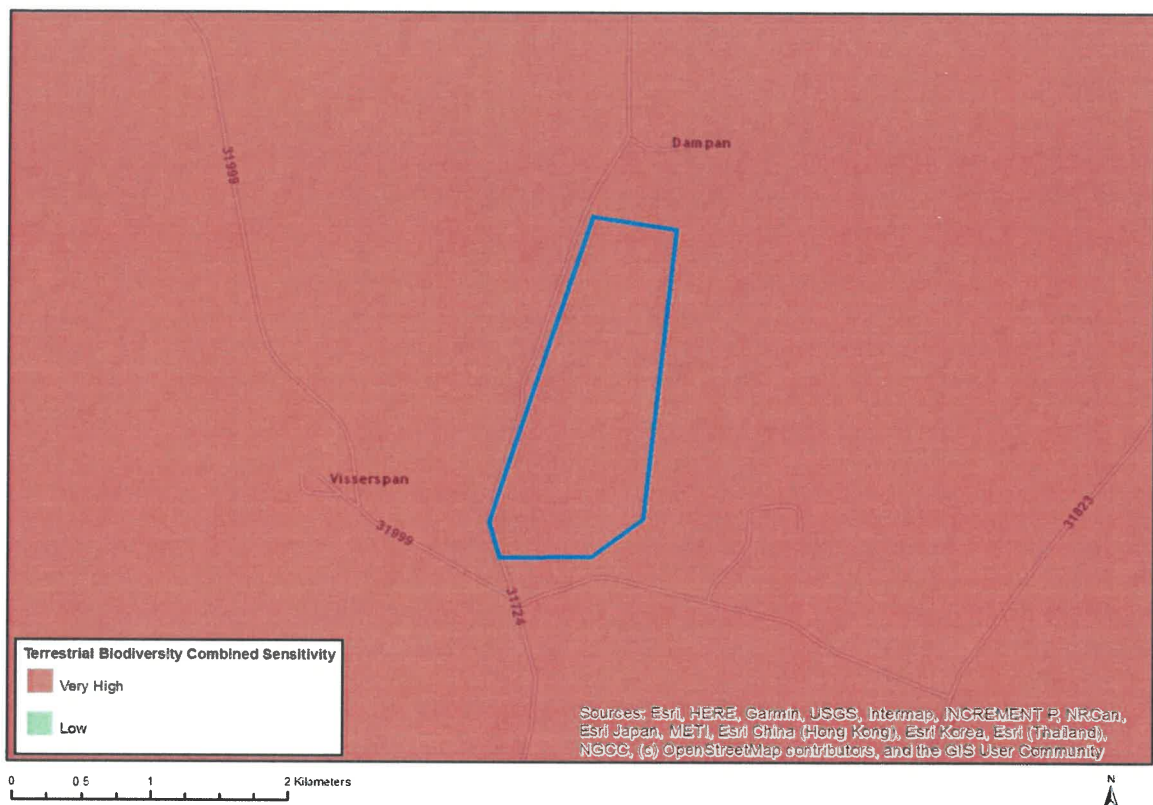


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

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

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION OR
FOR A PART TWO AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION
AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: To be provided

Project name: VISSERSPAN SOLAR PV FACILITY PROJECT 4 (west)

Project title: VISSERSPAN SOLAR PV FACILITY PROJECT 4 on Visserspan Farm No. 40, REDZ 5, Free State Province

Date screening report generated: 27/02/2020 14:54:03

Applicant: Ventura Renewable Energy (Pty) Ltd

Compiler: EnviroAfrica CC (V Thomson)

Compiler signature:

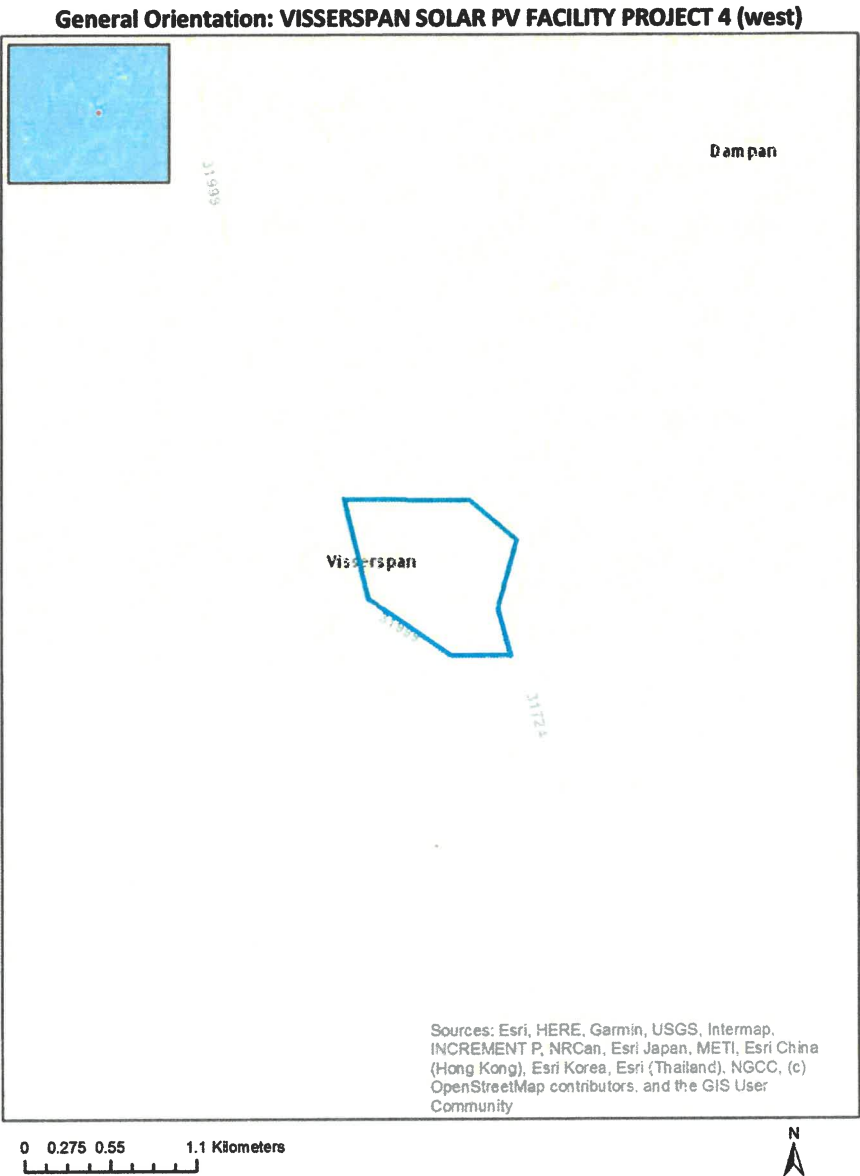


Table of Contents

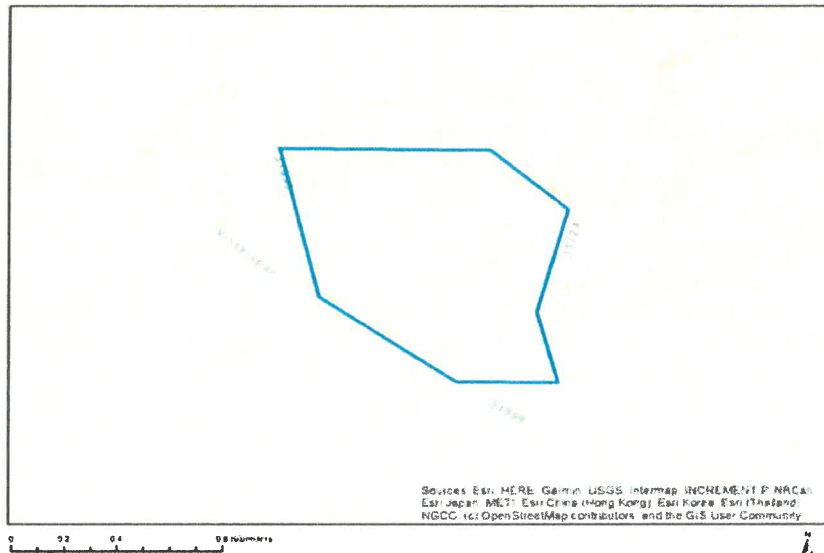
Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	4
Environmental Management Frameworks relevant to the application	5
Environmental screening results and assessment outcomes	5
Relevant development incentives, restrictions, exclusions or prohibitions	5
Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones	6
Proposed Development Area Environmental Sensitivity	6
Specialist assessments identified	7
Results of the environmental sensitivity of the proposed area.	9
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY	9
MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY	10
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	11
MAP OF RELATIVE AVIAN THEME SENSITIVITY	12
MAP OF RELATIVE BATS THEME SENSITIVITY	13
MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY	14
MAP OF RELATIVE DEFENCE THEME SENSITIVITY	15
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY	16
MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	17
MAP OF RELATIVE RFI THEME SENSITIVITY	18
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	19

Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	VISSERSPAN	40	0	28°35'52.39S	25°44'12.21E	Farm
2	VISSERSPAN	40	0	28°35'51.64S	25°44'17.88E	Farm Portion

Development footprint¹ vertices:

No development footprint(s) specified.

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

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	14/12/16/3/3/2/724	Solar PV	Approved	14.8
2	14/12/16/3/3/2/722	Solar PV	Approved	14.8
3	14/12/16/3/3/2/717	Solar PV	Approved	10.6
4	14/12/16/3/3/2/723	Solar PV	Approved	0.6
5	14/12/16/3/3/2/718	Solar PV	Approved	7.4
6	14/12/16/3/3/2/719	Solar PV	Approved	6.5
7	14/12/16/3/3/2/720	Solar PV	Approved	2.8
8	14/12/16/3/3/2/755	Solar PV	Approved	1

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

9	14/12/16/3/3/2/721	Solar PV	Approved	3.5
10	14/12/16/3/3/2/728	Solar PV	Approved	0.6

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is: Utilities Infrastructure | Electricity | Generation | Renewable | Solar | PV | Solar PV.

Relevant development incentives, restrictions, exclusions or prohibitions

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

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GNR_350_of_13_April_2017.pdf
Renewable energy development zones 5-Kimberley	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GNR_350_of_13_April_2017.pdf

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



Proposed Development Area Environmental Sensitivity

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

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme		X		
Animal Species Theme				X

Aquatic Biodiversity Theme				X
Avian Theme		X		
Bats Theme				X
Civil Aviation (Solar PV) Theme				X
Defence 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.

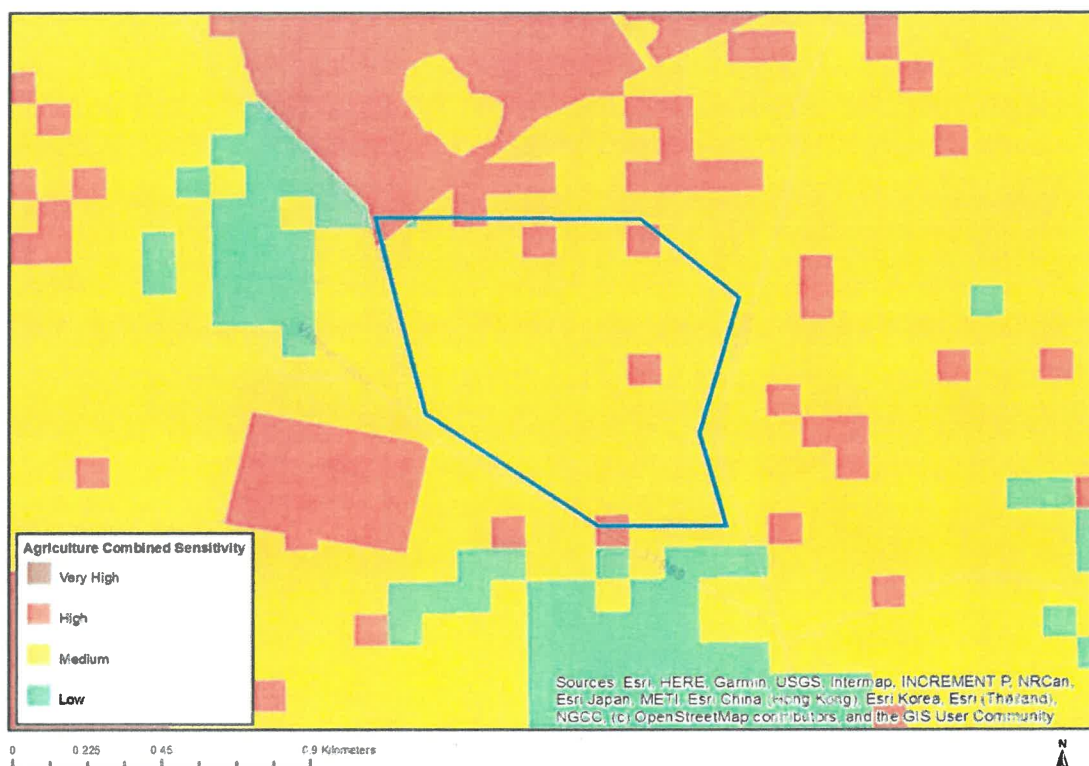
No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Agriculture Assessment Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
4	Paleontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Terrestrial Biodiversity Assessment Protocols.pdf
6	Aquatic Biodiversity	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Terrestrial Biodiversity Assessment Protocols.pdf

	sity Impact Assess ment	/DraftGazetted Aquatic Biodiversity Assessment.pdf
7	Avian Impact Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
8	Civil Aviation Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Civil Aviation Installations Assessment Protocols.pdf
9	Defense Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Defence Installations Assessment Protocols.pdf
1 0	RFI Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
1 1	Geotec hnical Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
1 2	Socio- Econom ic Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
1 3	Plant Species Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
1 4	Animal Species Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement 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

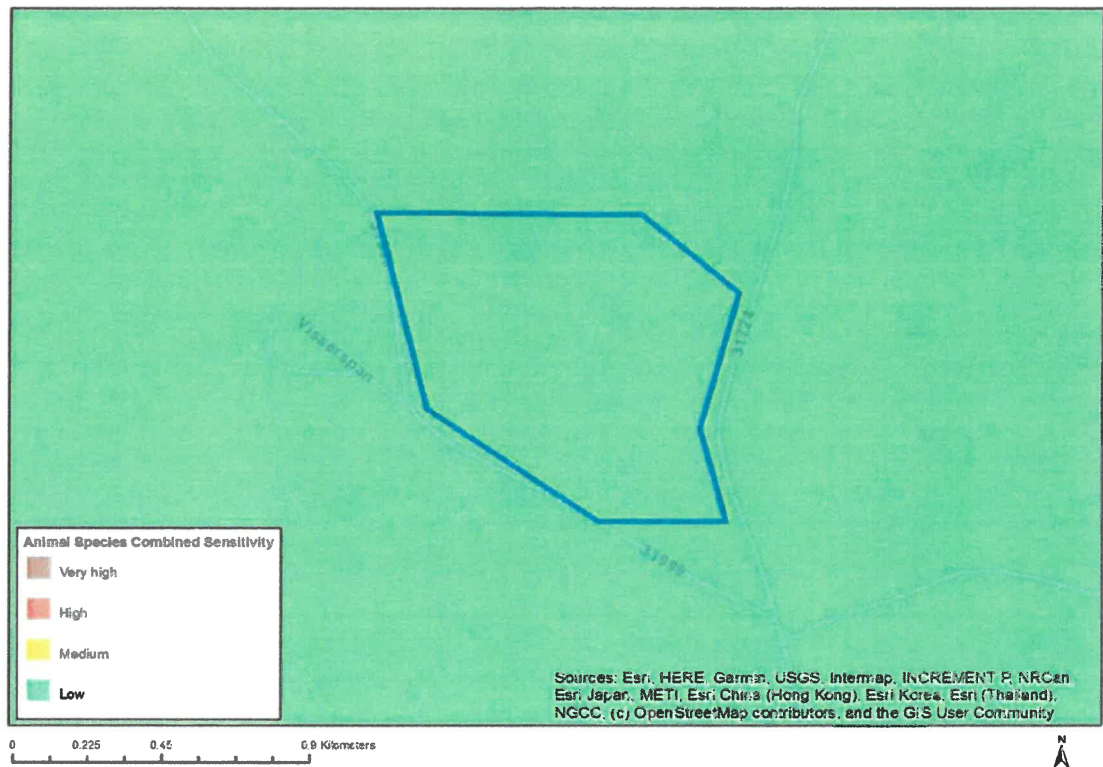


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
High	Annual Crop Cultivation / Planted Pastures Rotation;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
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

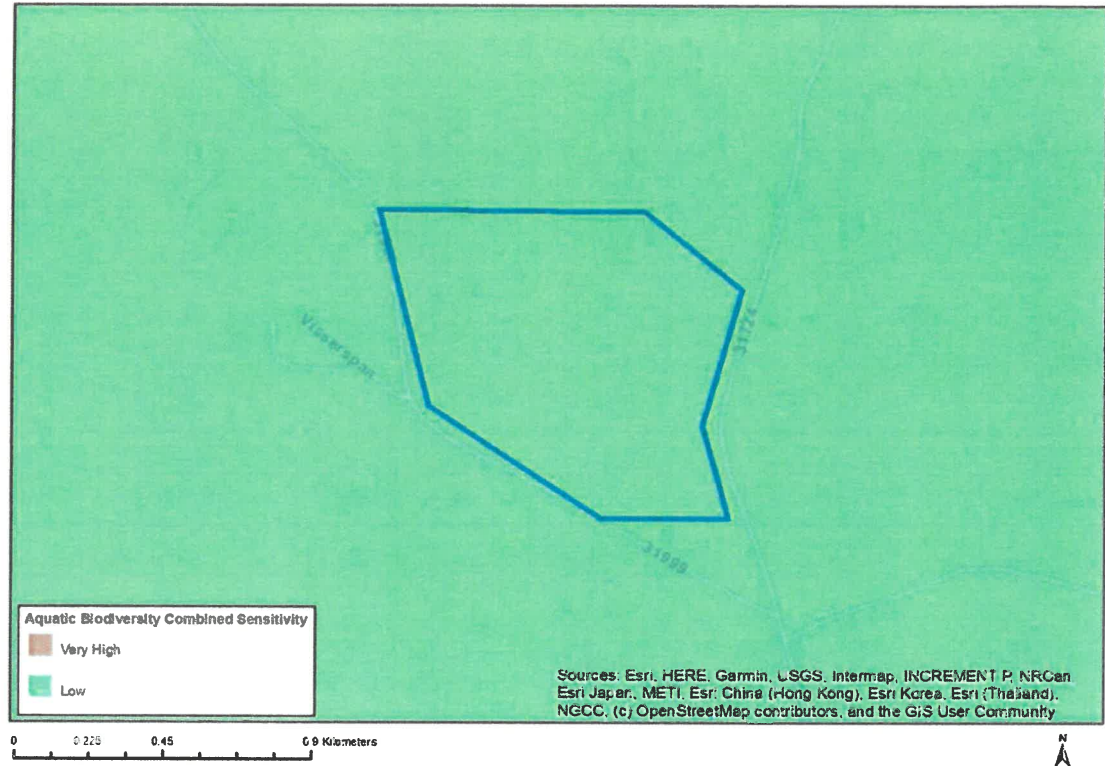


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

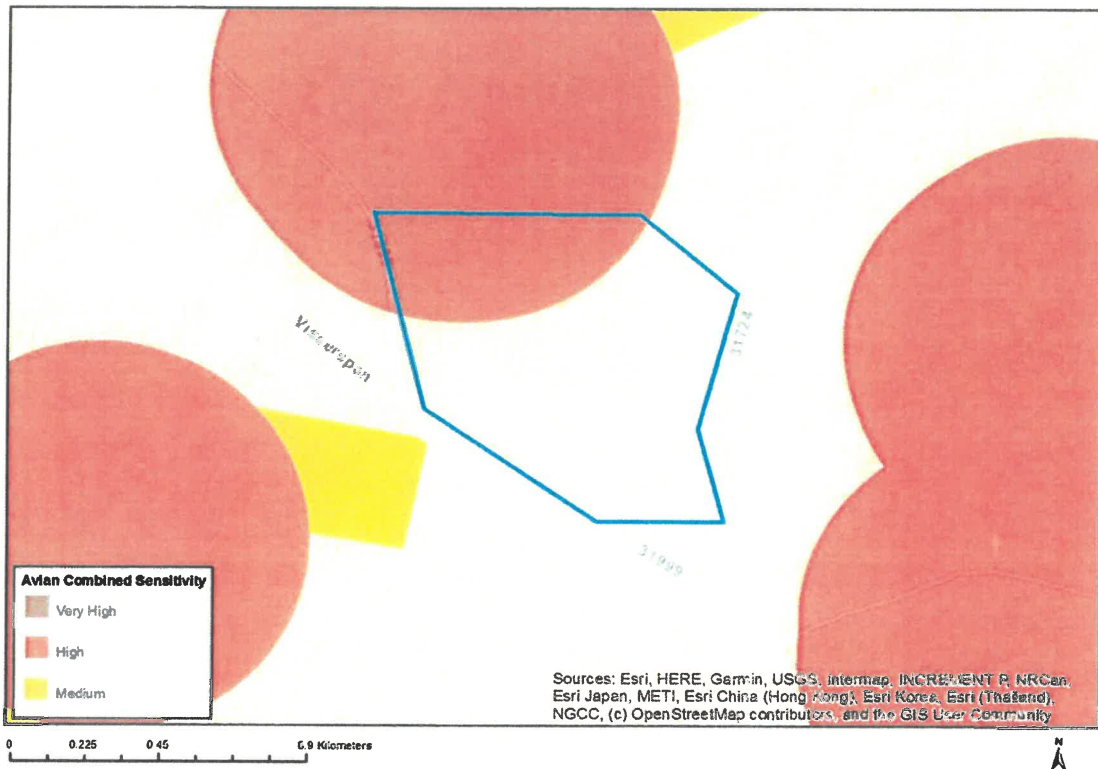


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity Areas

MAP OF RELATIVE AVIAN THEME SENSITIVITY

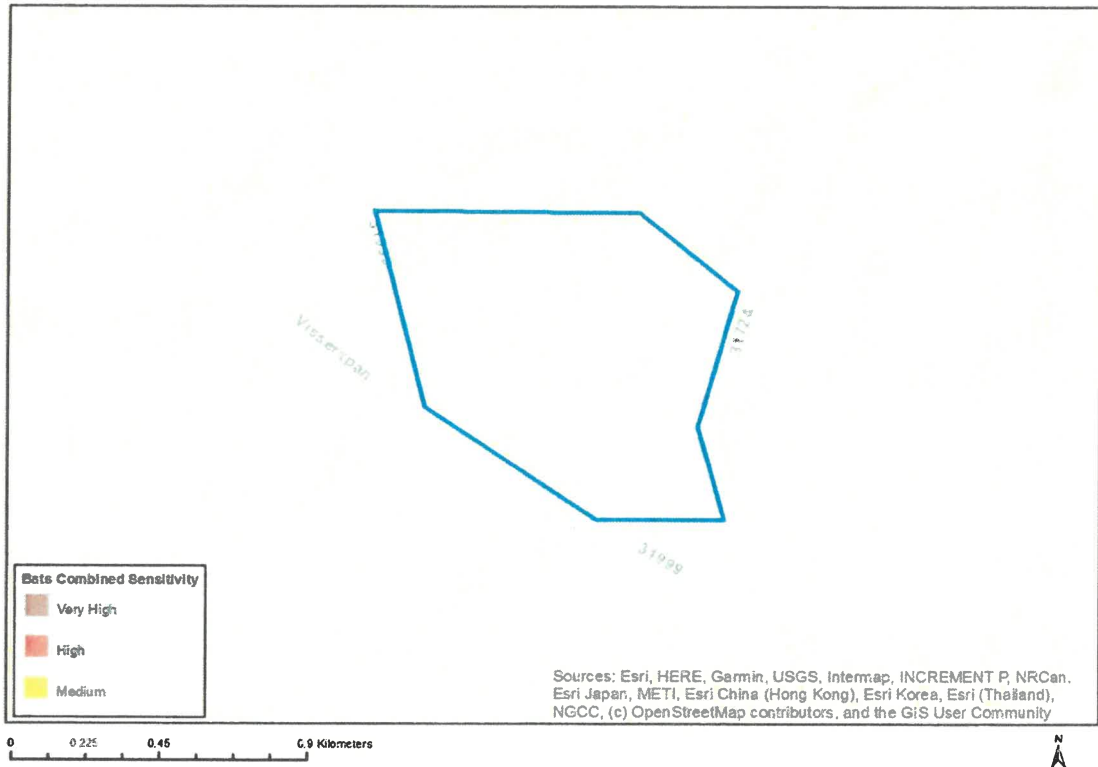


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 500 m of a wetland
Medium	Croplands

MAP OF RELATIVE BATS THEME SENSITIVITY

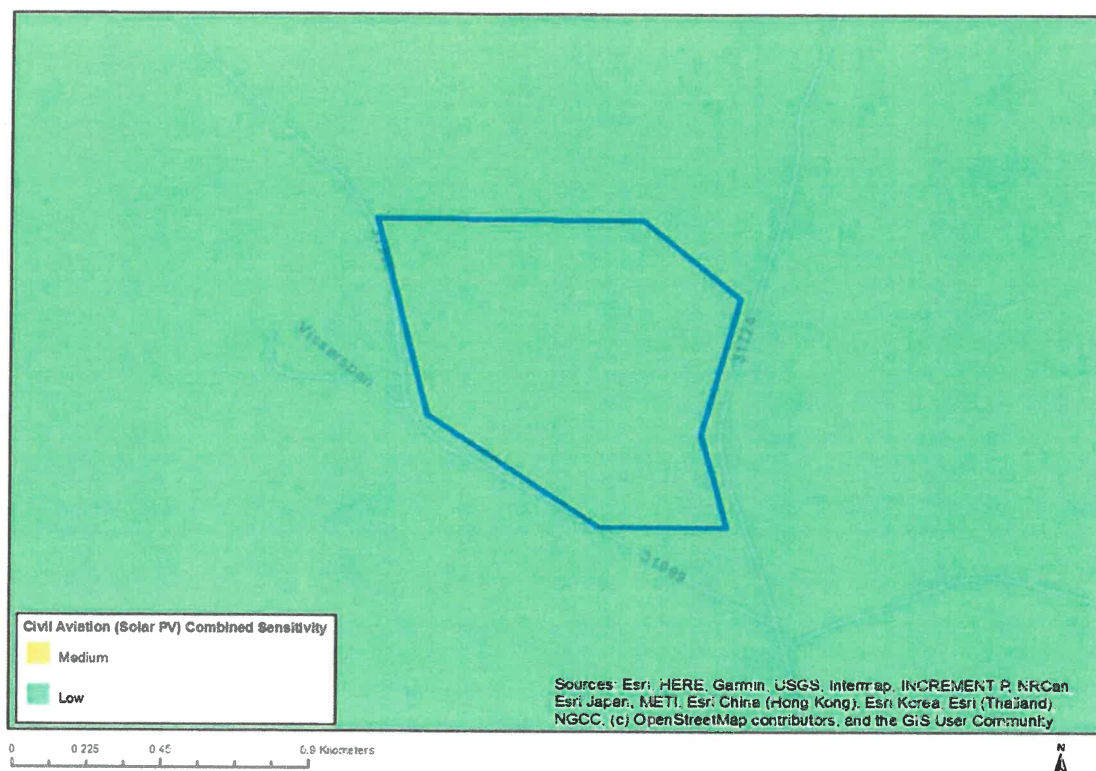


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY

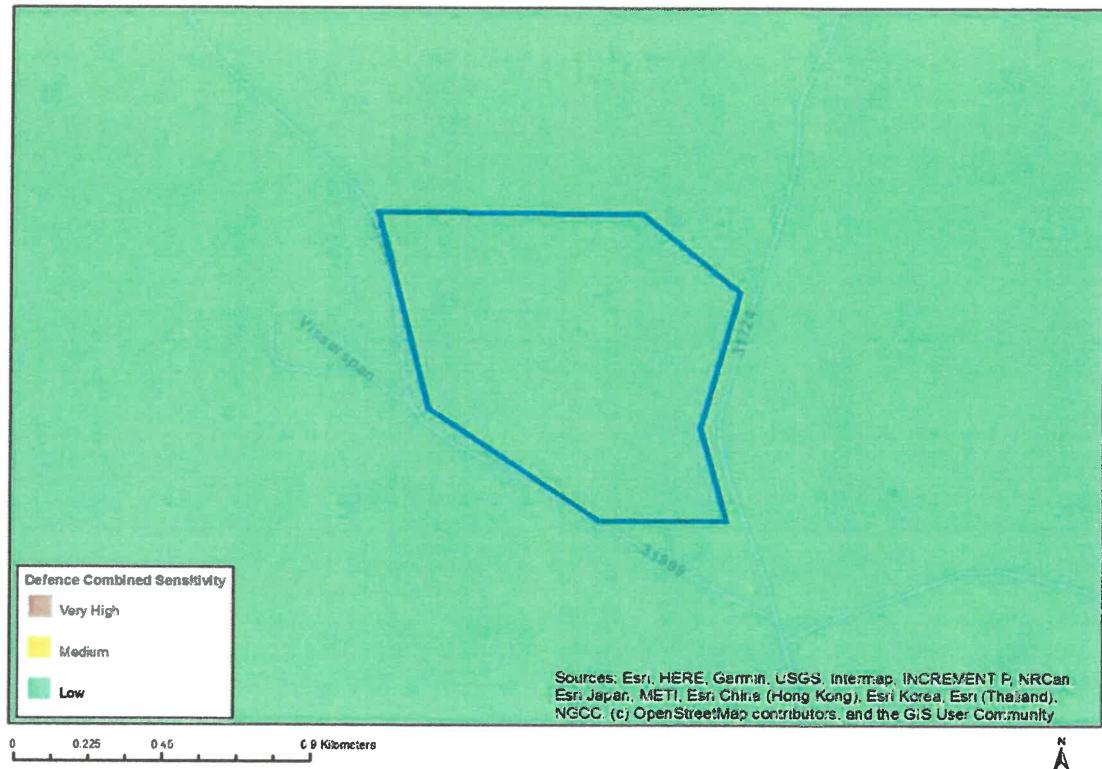


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

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

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

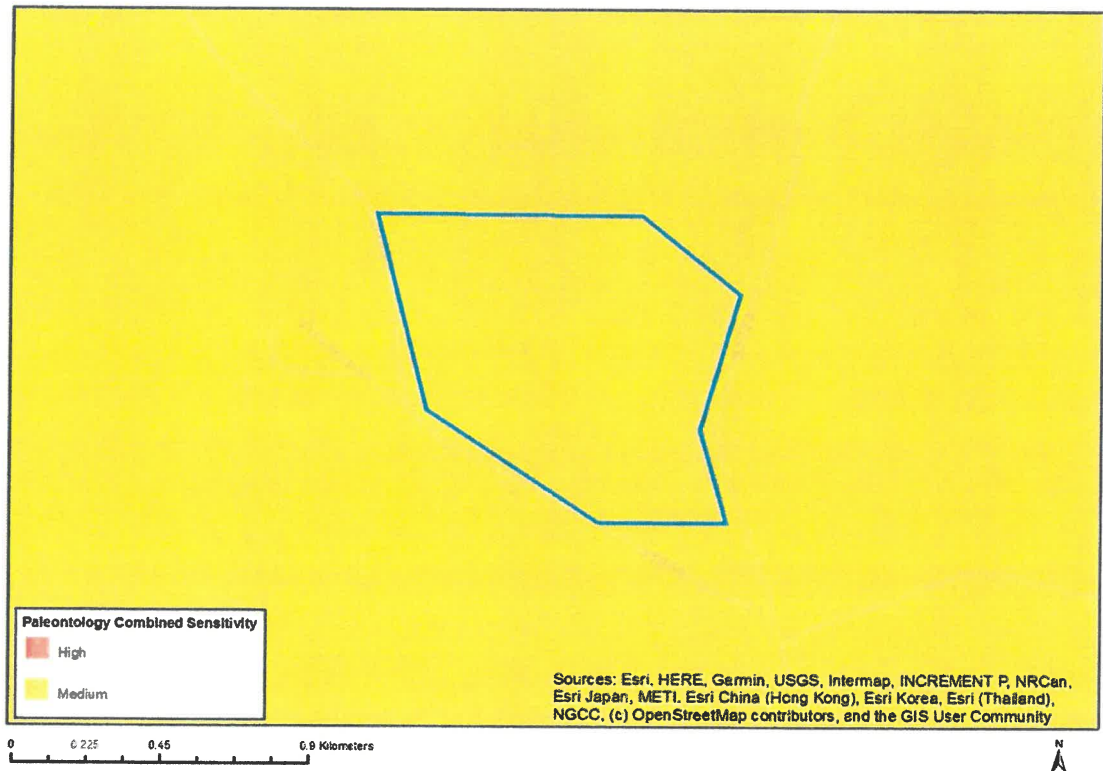


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

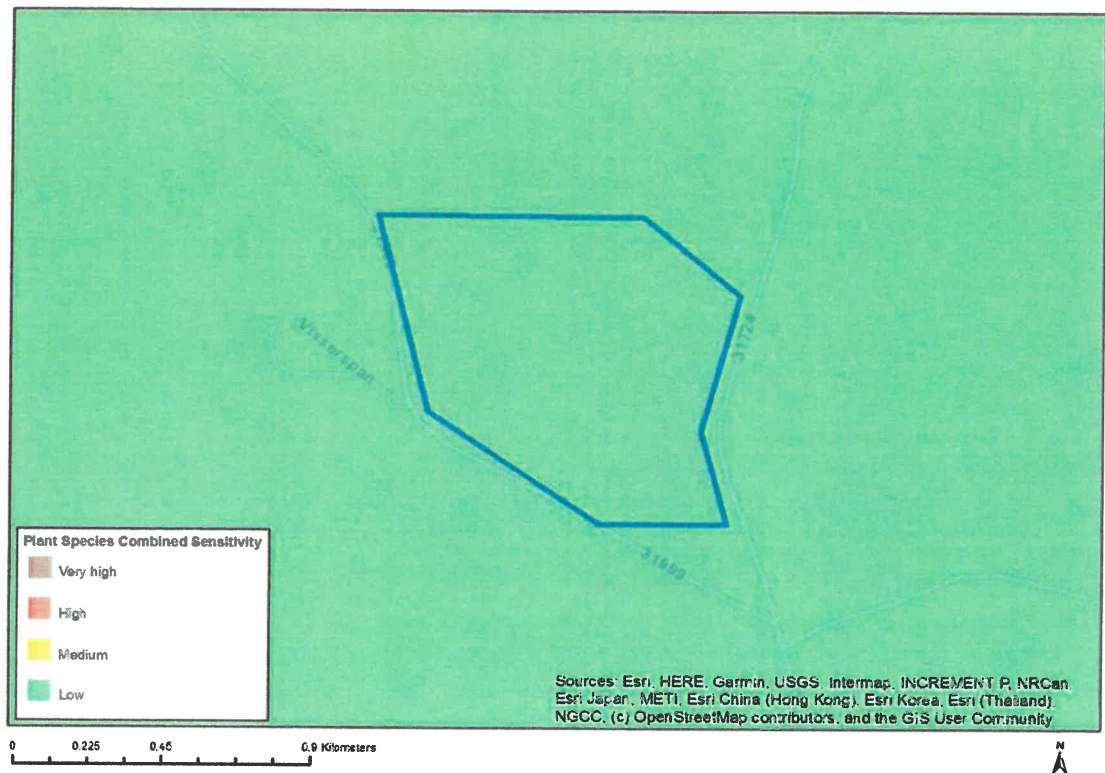


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Rock units with a medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY

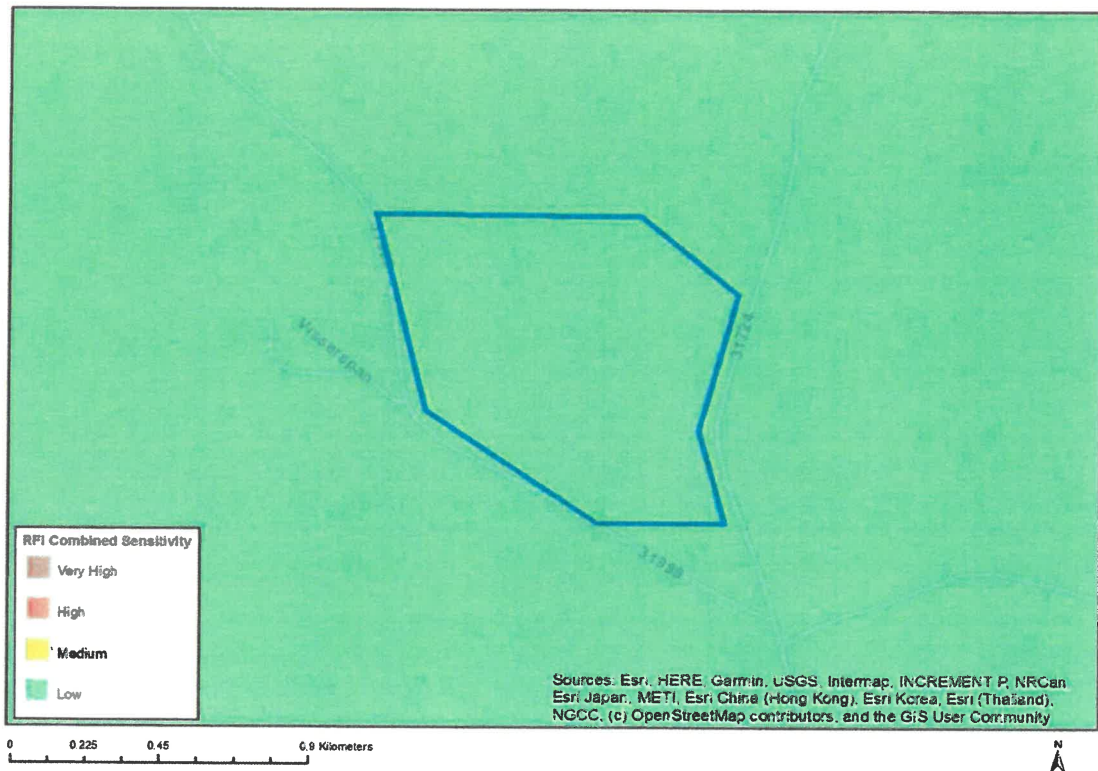


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE RFI THEME SENSITIVITY

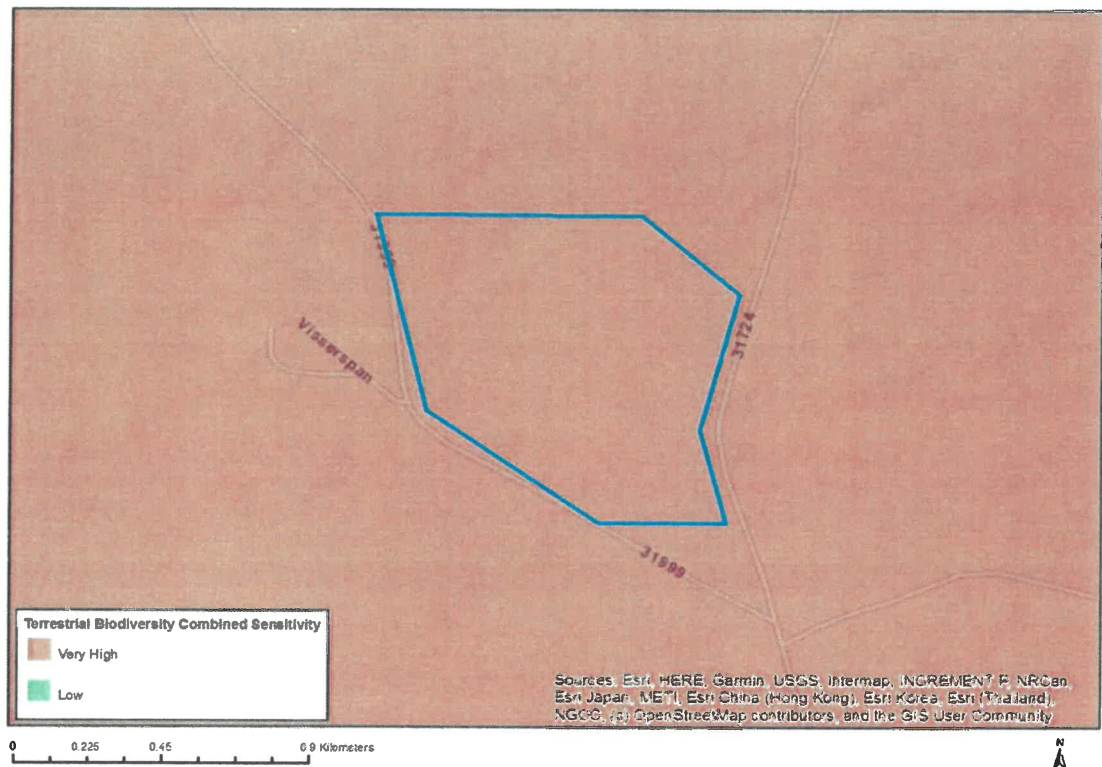


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



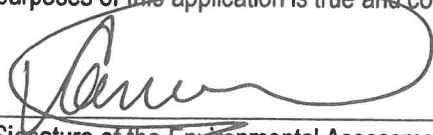
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Endangered ecosystem
Very High	Critical Biodiversity Area 1

APPENDIX 12
UNDERTAKING UNDER OATH/ AFFIRMATION

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



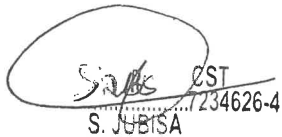
Signature of the Environmental Assessment Practitioner

EnviroAfrica CC

Name of Company

06 March 2020

Date



S. JUBISA

Signature of the Commissioner of Oaths

2020-03-06

Date

SOUTH AFRICAN POLICE SERVICE COMMUNITY SERVICE CENTRE
06 MAR 2020
SOMERSET WEST AMAPOLISA OMZANTSHI AFRICA

