

Appendix I: Screening tool report and SSVR

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

EIA Reference number: TBD

Project name: Spier Solar Development

Project title: Spier Solar Development

Date screening report generated: 28/03/2024 14:23:01

Applicant: Spier

Compiler: GBE

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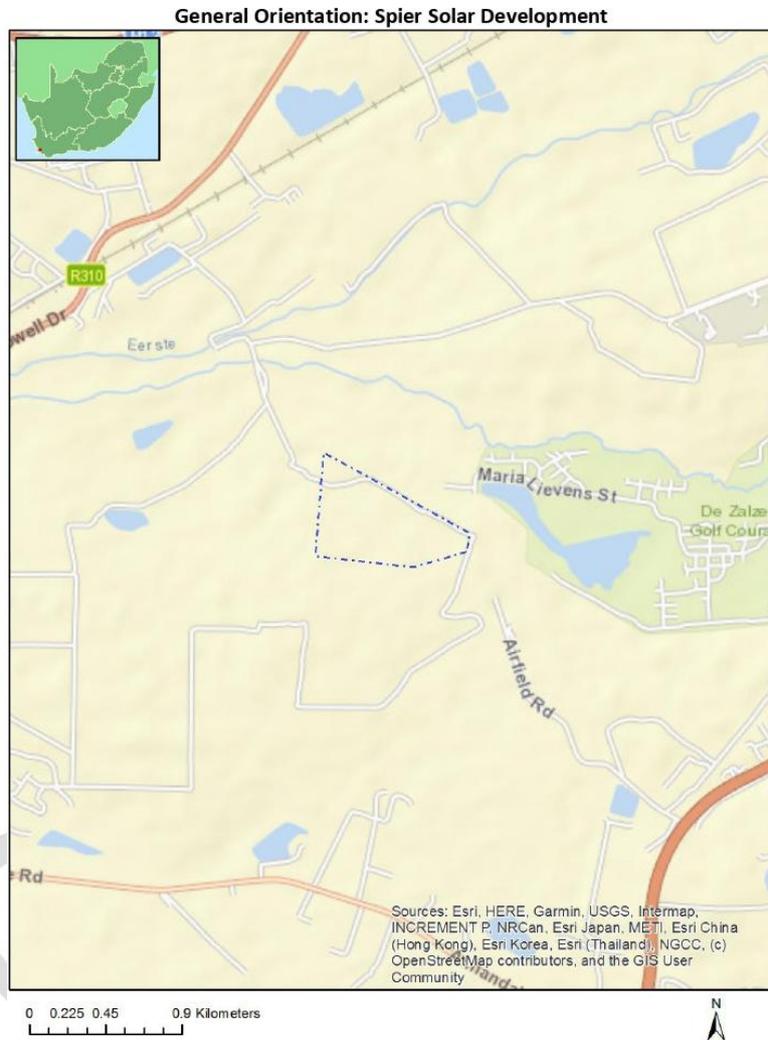
Application Category: Utilities Infrastructure | Electricity | Generation | Renewable | Solar | PV

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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1		502	0	33°58'53.15S	18°48'32.54E	Farm
2		502	10	33°58'47.49S	18°47'59.55E	Farm Portion
3		502	10	33°58'48.75	18°47'59.63E	Farm Portion

Development footprint¹ vertices:

No development footprint(s) specified.

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

No nearby wind or solar developments found.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

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

Environmental screening results and assessment outcomes

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

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

Relevant development incentives, restrictions, exclusions or prohibitions

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

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Strategic Gas Pipeline Corridors-Phase 1a & 1b: Saldanha to Ankerlig and Saldanha to Mossel Bay	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf
South African Conservation Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SACAD_OR_2023_Q3_Metadata.pdf
Main Electricity Distribution Substation	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Distribution_Transmission.pdf

Proposed Development Area Environmental Sensitivity

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

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme			X	
Animal Species Theme		X		
Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme	X			
Avian Theme				X
Civil Aviation (Solar PV) Theme			X	
Defence Theme				X
Landscape (Solar) Theme	X			
Paleontology Theme			X	
Plant Species Theme			X	
RFI Theme			X	
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

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

No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_WindAndSolar_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
8	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Defence_Installations_Assessment_Protocols.pdf
9	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
13	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

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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

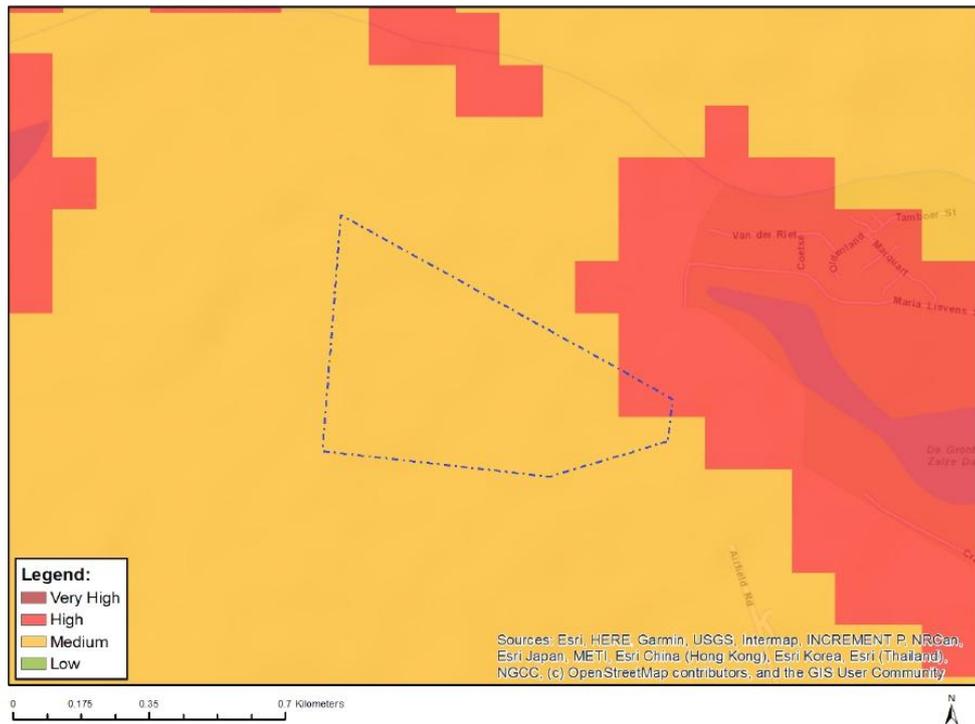


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



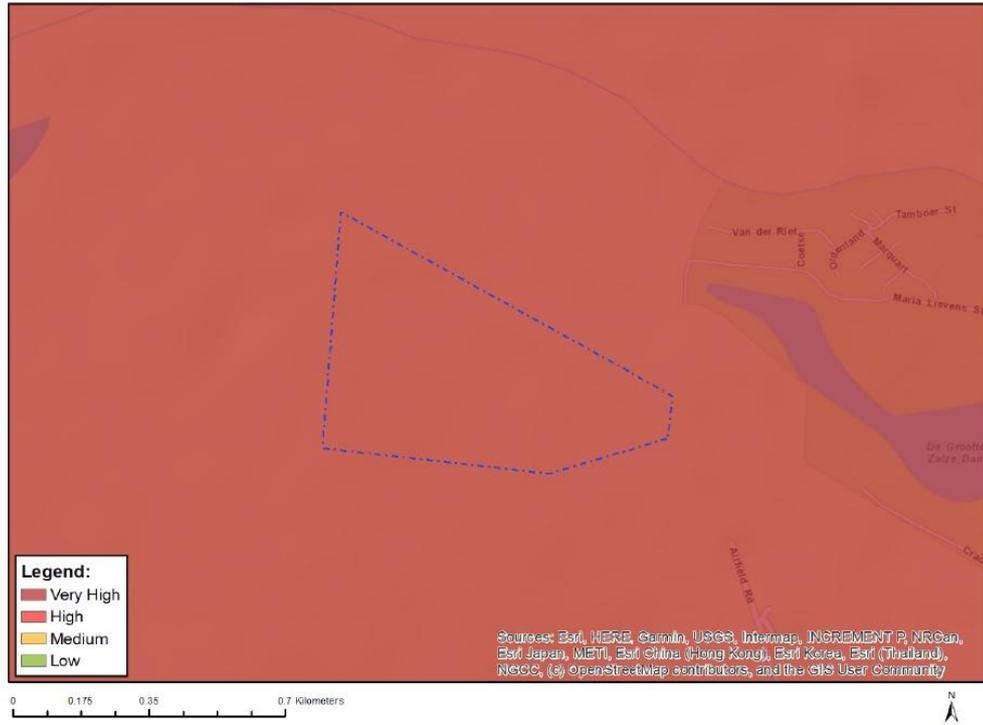
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Aves-Hydroprogne caspia
High	Aves-Pelecanus onocrotalus
Medium	Aves-Sagittarius serpentarius
Medium	Invertebrate-Frankenbergerius opacus
Medium	Invertebrate-Pachysoma aesculapius
Medium	Invertebrate-Conocephalus peringueyi
Medium	Invertebrate-Bullacris obliqua
Medium	Invertebrate-Aneuryphymus montanus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

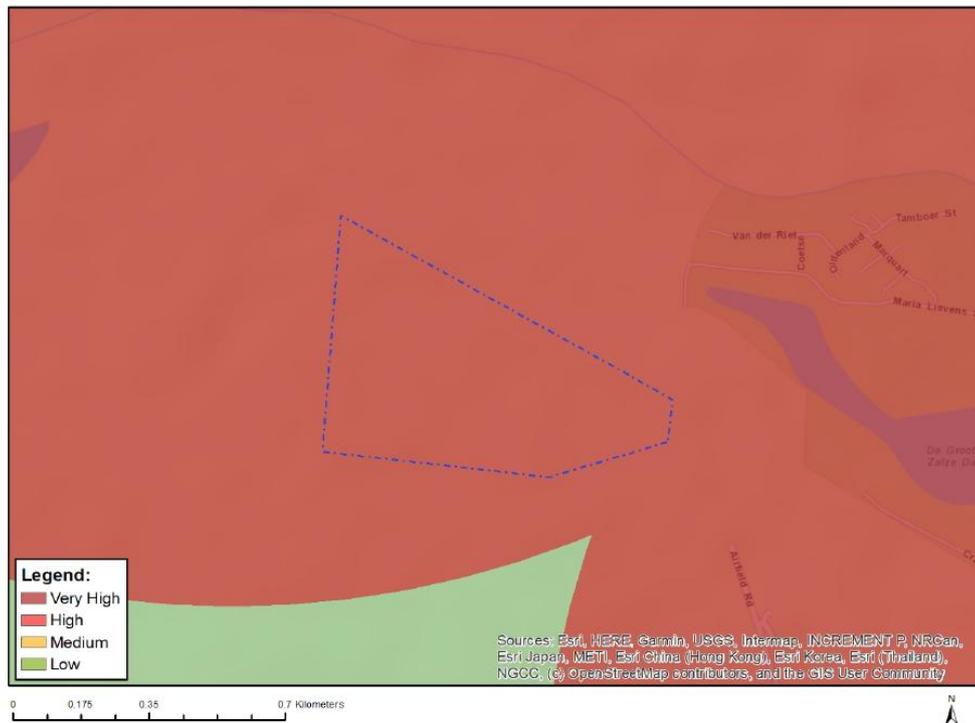


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	SWSA (SW) _Boland

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

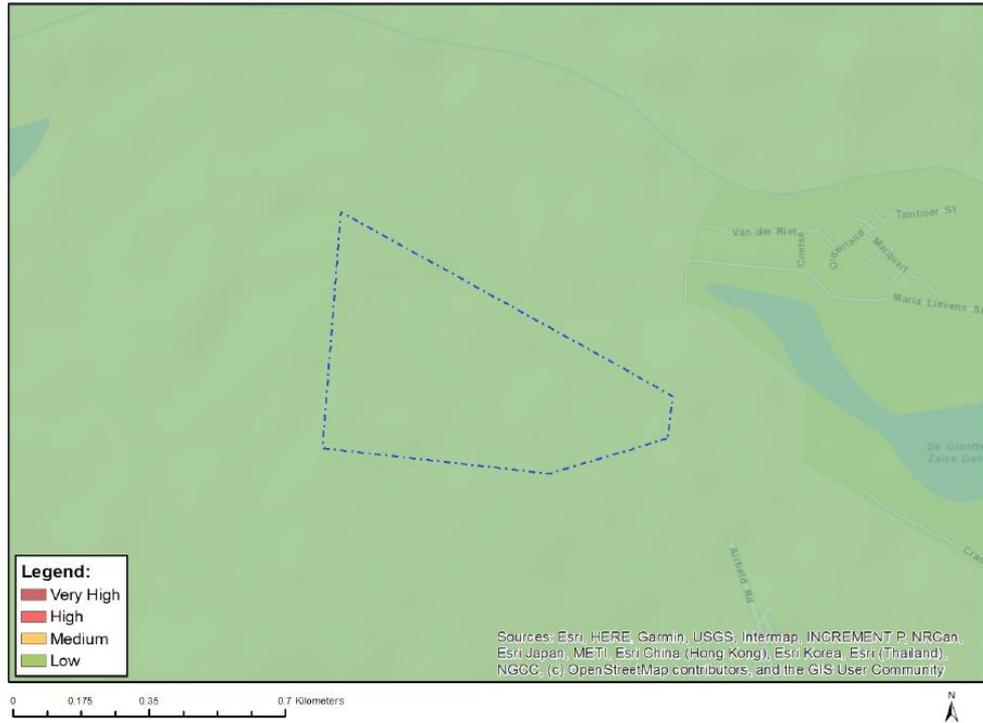


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Within 2km of a Grade II Heritage site
Very High	Within 100m of an Ungraded Heritage site

MAP OF RELATIVE AVIAN THEME SENSITIVITY

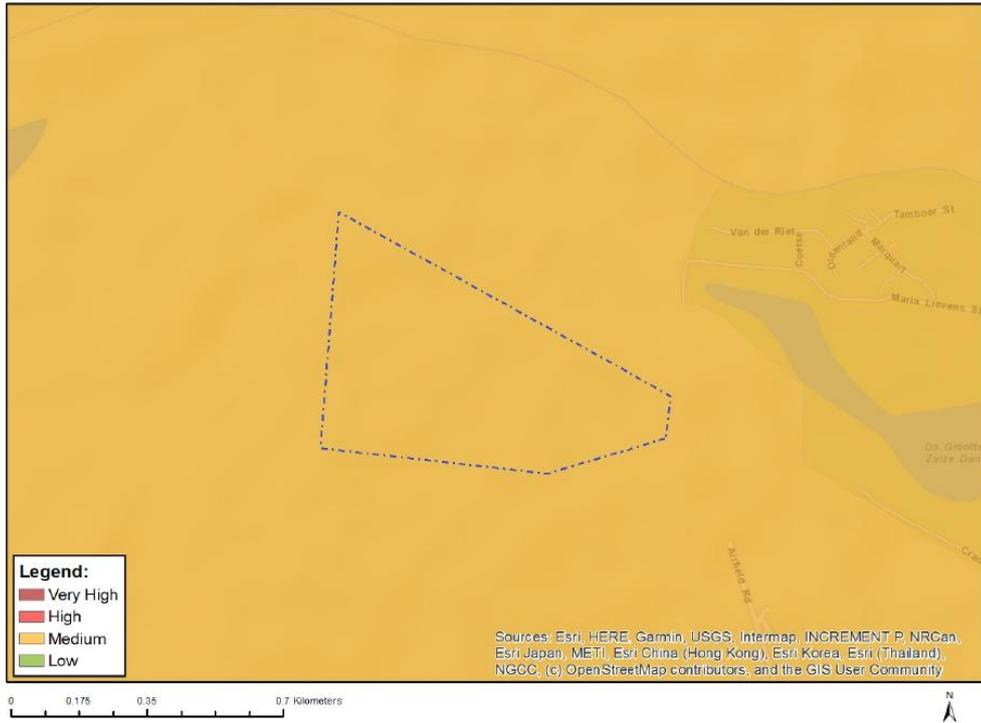


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Within 8 km of an other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

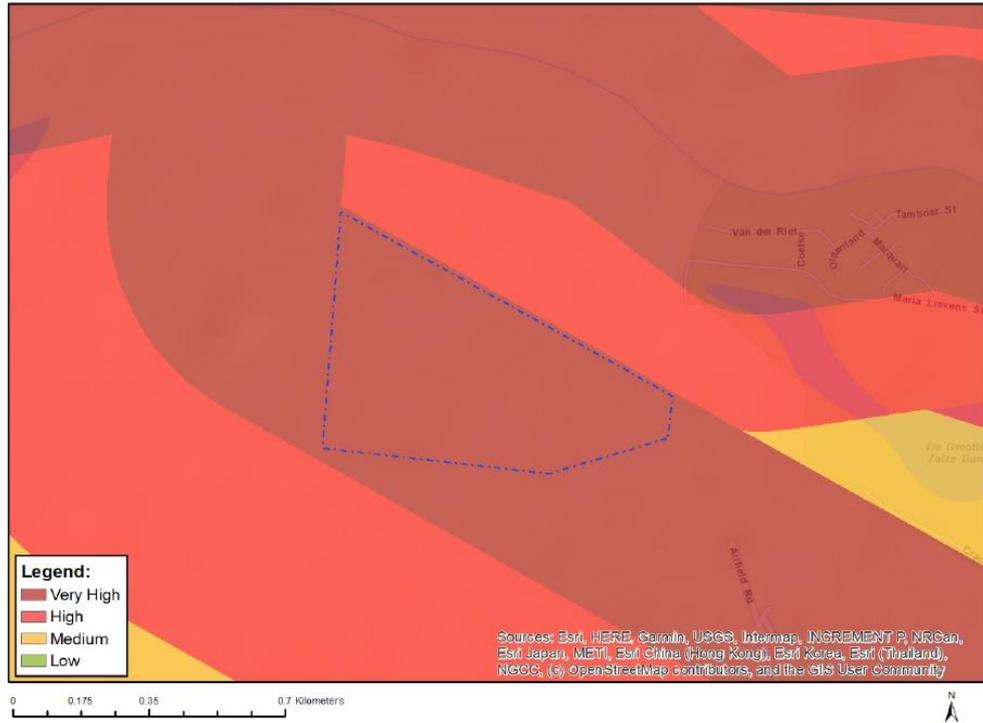


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY

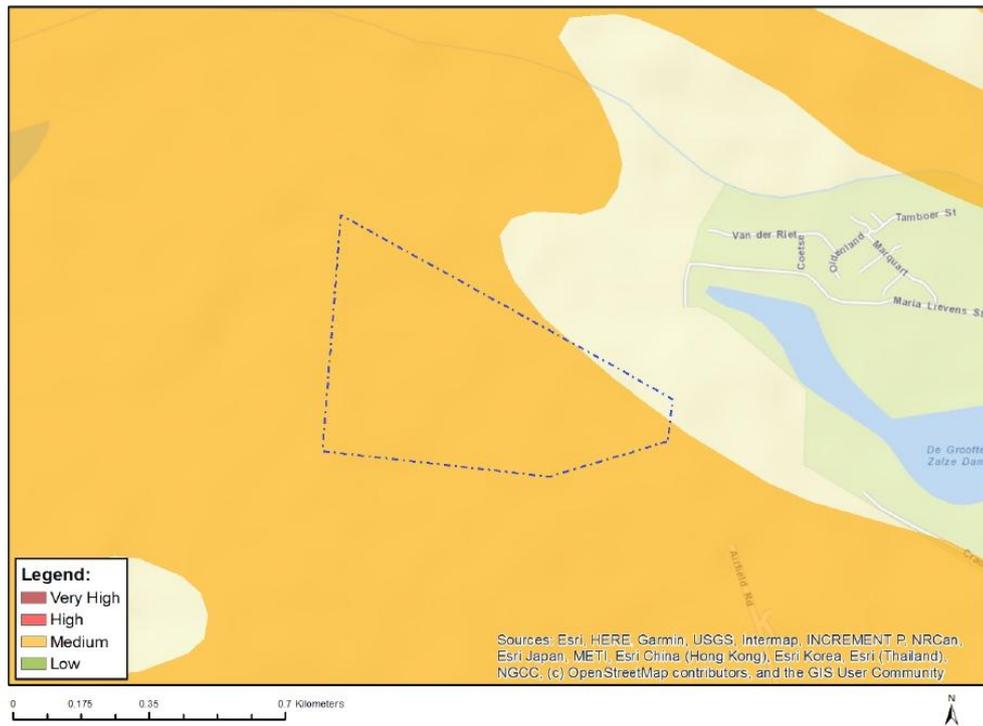


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

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

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

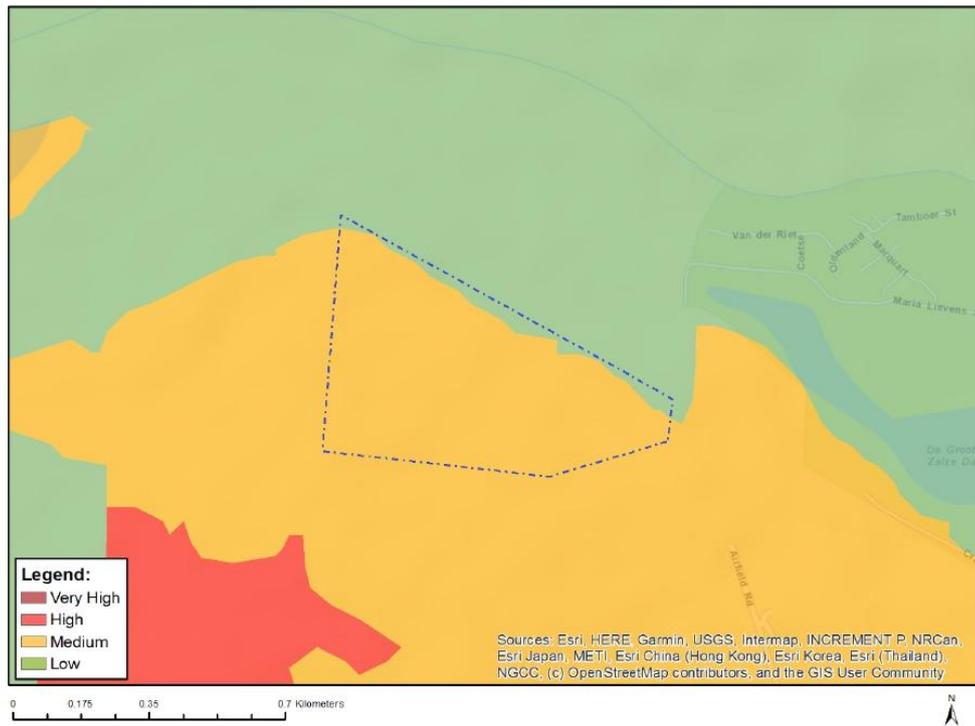


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

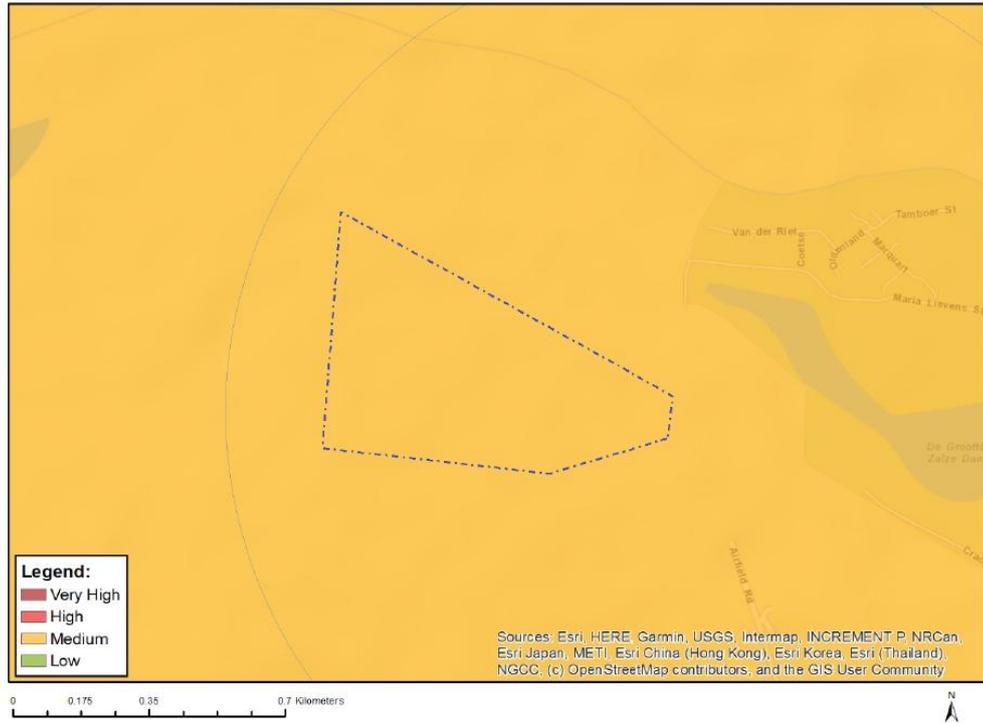
Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Lampranthus dilutus
Medium	Lampranthus filicaulis
Medium	Lampranthus leptaleon
Medium	Lampranthus peacockiae
Medium	Lampranthus scaber
Medium	Lampranthus sociorum
Medium	Lampranthus spiniformis
Medium	Antimima aristulata
Medium	Erepsia patula
Medium	Erepsia ramosa
Medium	Ruschia diversifolia
Medium	Ruschia geminiflora

Medium	<i>Drosanthemum hispifolium</i>
Medium	<i>Xiphotheca lanceolata</i>
Medium	<i>Psoralea fascicularis</i>
Medium	<i>Liparia splendens</i> subsp. <i>splendens</i>
Medium	<i>Indigofera psoraloides</i>
Medium	<i>Aspalathus aculeata</i>
Medium	<i>Aspalathus araneosa</i>
Medium	<i>Aspalathus muraltioides</i>
Medium	<i>Rafnia lancea</i>
Medium	<i>Lebeckia plukenetiana</i>
Medium	<i>Podalyria argentea</i>
Medium	<i>Podalyria sericea</i>
Medium	<i>Leucadendron lanigerum</i> var. <i>lanigerum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>canaliculatum</i>
Medium	<i>Leucospermum hypophyllocarpodendron</i> subsp. <i>hypophyllocarpodendron</i>
Medium	<i>Protea burchellii</i>
Medium	<i>Diastris proteoides</i>
Medium	<i>Serruria brownii</i>
Medium	<i>Merciera tetraloba</i>
Medium	<i>Roella arenaria</i>
Medium	<i>Treichelia dodii</i>
Medium	<i>Pentameris bachmannii</i>
Medium	<i>Pentameris pholiuroides</i>
Medium	<i>Anthospermum ericifolium</i>
Medium	<i>Lobostemon capitatus</i>
Medium	<i>Echiostachys incanus</i>
Medium	<i>Echiostachys spicatus</i>
Medium	Sensitive species 631
Medium	Sensitive species 533
Medium	<i>Geissorhiza monanthos</i>
Medium	<i>Geissorhiza purpurascens</i>
Medium	<i>Geissorhiza setacea</i>
Medium	<i>Geissorhiza erosa</i>
Medium	Sensitive species 560
Medium	Sensitive species 1253
Medium	Sensitive species 1
Medium	Sensitive species 830
Medium	Sensitive species 1140
Medium	Sensitive species 807
Medium	Sensitive species 1266
Medium	<i>Pauridia alba</i>
Medium	<i>Pauridia canaliculata</i>
Medium	<i>Pauridia pygmaea</i>
Medium	<i>Oxalis natans</i>
Medium	<i>Hermannia rugosa</i>
Medium	Sensitive species 222
Medium	Sensitive species 444
Medium	Sensitive species 478
Medium	Sensitive species 756
Medium	<i>Adenogramma rigida</i>
Medium	<i>Wachendorfia brachyandra</i>
Medium	Sensitive species 133
Medium	<i>Trianoptiles solitaria</i>
Medium	<i>Hypodiscus rugosus</i>
Medium	<i>Restio duthieae</i>
Medium	<i>Restio papillosus</i>
Medium	<i>Anisodonteia biflora</i>
Medium	Sensitive species 985
Medium	Sensitive species 120
Medium	Sensitive species 266

Medium	<i>Pterygodium cruciferum</i>
Medium	<i>Gnidia spicata</i>
Medium	<i>Metalasia capitata</i>
Medium	<i>Senecio cadiscus</i>
Medium	<i>Athanasia capitata</i>
Medium	Sensitive species 1042
Medium	<i>Adenandra villosa</i> subsp. <i>biseriata</i>
Medium	<i>Macrostylis villosa</i> subsp. <i>villosa</i>
Medium	<i>Cliffortia marginata</i>
Medium	<i>Muraltia decipiens</i>
Medium	<i>Muraltia macropetala</i>
Medium	Sensitive species 262
Medium	Sensitive species 616
Medium	<i>Wurmbea inusta</i>
Medium	<i>Phyllica strigulosa</i>
Medium	<i>Phyllica thunbergiana</i>
Medium	<i>Codonorhiza azurea</i>
Medium	<i>Lampranthus debilis</i>
Medium	<i>Lampranthus glaucus</i>
Medium	<i>Drosanthemum striatum</i>
Medium	<i>Xiphotheca reflexa</i>
Medium	<i>Psoralea alata</i>
Medium	<i>Aponogeton fugax</i>
Medium	Sensitive species 593
Medium	Sensitive species 335
Medium	Sensitive species 599
Medium	<i>Elegia squamosa</i>
Medium	<i>Restio paludosus</i>
Medium	<i>Restio rigoratus</i>
Medium	<i>Cotula pusilla</i>
Medium	Sensitive species 1225

MAP OF RELATIVE RFI THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Between 30 and 60 km from a Weather Radar installation and within the radar's line of sight
Medium	Within 1 km of a telecommunication facility

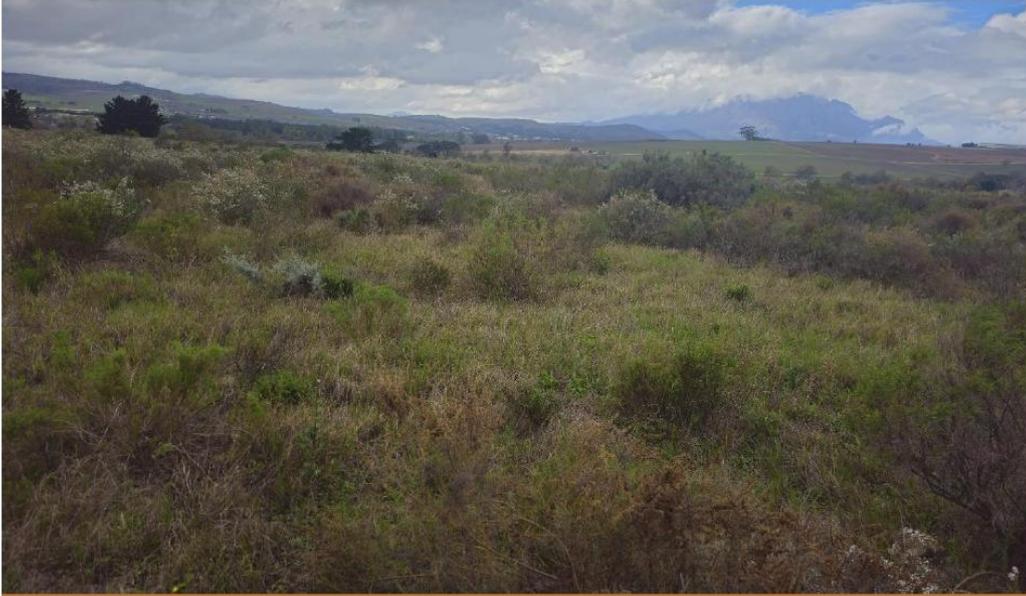
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA 1: Terrestrial
Very High	SWSA (SW) _ Boland
Very High	National Protected Area Expansion Strategy (NPAES)
Very High	EN_Swartland Granite Renosterveld



SITE SENSITIVITY VERIFICATION REPORT

Proposed Installation of Solar Panels and Associated Infrastructure on the Portion 10 of Farm 502, Stellenbosch

Reference No.: To be determined

August 2024

Final Report



DOCUMENT NAME:

Proposed Installation of Solar Panels and Associated Infrastructure on the Portion 10 of Farm 502, Stellenbosch.

PROJECT NUMBER:

N/A

DATE:

August 2024

REPORT STATUS:

FINAL REPORT

CARRIED OUT BY:

GroenbergEnviro (Pty) Ltd

COMMISSIONED BY:

Spier Farm Management (Pty) Ltd

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SYNOPSIS:

Not part of this report.

PREPARED BY:

GroenbergEnviro (Pty) Ltd

***Revision Status***

Rev No.	Issue Date	Author	Technical Review	Report Review
0	August 2024	M. Molife	H. Badenhorst & P. Badenhorst	H. Badenhorst & P. Badenhorst

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Disclaimer

The opinions expressed in this report have been based on the information supplied to GBE by the Applicant. GBE has exercised all due care in reviewing the supplied information, with conclusions from the review being reliant on the accuracy and completeness of the supplied data.

GBE does not accept responsibility for any errors or omissions in the supplied information and does not accept any consequential liability arising from commercial decisions or actions resulting from them.

Professional environmental opinions presented in this report apply to the site conditions and features as they existed at the time of GBE's investigations, and those foreseeable. These opinions do not necessarily apply to conditions and features that may arise after the date of this report, about which GBE had no prior knowledge nor had the opportunity to evaluate.

POPIA

Regulation 42 of the Environmental Impact Assessment Regulations, 2014, as amended (EIA Regulations) provides for the opening and maintenance of a register of interested and affected parties (I&APs), by the proponent or applicant, which must contain personal information (names, contact details and addresses). It is therefore the duty of the proponent or applicant to collect the information that must be contained in the register.

Regulation 42 further requires that these registers must be submitted to the Competent Authority (CA). There is no legal requirement in the EIA Regulations that such registers must be included in the reports that are published for public consultation purposes or be made publicly available as part of the EIA process. Since the information in the registers is personal/private information, it should not be included in or attached to reports and be made available in the public domain. CAs, applicants and environmental assessment practitioners (EAPs) should take note that, if this information was previously included in reports and shared in the public domain, this now requires reconsideration in accordance with the POPIA. The Department realises that EAPs may have included some personal information in these reports when they receive and compile them. Likewise, this information may reach CAs who also now need to be sensitive about the management of this information.

Section 11(1)(a) of POPIA provides further that personal information may only be processed if the data subject consents to the processing.

The requirements of section 18.1 of POPIA requires that if personal information is collected, the responsible party must take reasonably practicable steps to ensure that the data subject is aware of, amongst other things, the information being collected, the name and address of the responsible party (in this case the EAP and applicant), the purpose for which the

information is collected, whether or not the supply of the information by the data subject is voluntary or mandatory, the consequence of the failure to provide the required information, further information such as the recipient of the information, as well as the existence of the right to object to the processing of the personal information.

EAPs should obtain express consent from commenting parties to include their names with their comments in the reports. It is therefore recommended that the EAP, when requesting comment, should also request the persons who may comment to provide consent that their names may be included with their comments in the reports. Commenting parties should also be informed that they may opt to not have their names shared, as well as an indication of the consequences of such an option being exercised, in which case only the comments will be included. This will ensure that the requirements of section 11(1)(a) of POPIA, which provides that personal information may only be processed if the data subject consents to the processing, is given effect to. Even when consent is obtained it is recommended that only the minimum details (the names) should be included in reports and the inclusion of unnecessary and excessive information should be avoided.

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List of Abbreviations

BGIS	Biodiversity Geographic Information System
CBA	Critical Biodiversity Area
EAP	Environmental Assessment Practitioner
GN	Government Notice
HWC	Heritage Western Cape
NEMA	National Environmental Management Act
NID	Notice of Intent to Develop
SANBI	South African National Biodiversity Institute
SDP	Site Development Plan
SSVR	Site Sensitivity Verification Report
VegMap	Vegetation Map
WCBS	Western Cape Biodiversity Spatial Plan

Requirements for Initial Site Sensitivity Verification

Requirement	Compliance with Requirement
1. The Initial Site Sensitivity Verification must be undertaken by an environmental assessment practitioner or a registered specialist with expertise in the relevant environmental theme being considered.	Undertaken by an Environmental Assessment Practitioner (EAP): EAP: Misché Molife Qualification: Degree in Biodiversity and Conservation Biology EAPASA Registration Number: 2020/1410
2. The Initial Site Sensitivity Verification must be undertaken through the use of: (a) a desktop analysis, using satellite imagery; (b) a preliminary on-site inspection; and (c) any other available and relevant information.	(a) A desktop analysis was done. (b) A pre-liminary on-site inspection was conducted on 16 July 2024 when the project was initially planned to commence. (c) Google Earth, South African National Biodiversity Institute's Biodiversity Geographic Information System (SANBI's BGIS) and CapeFarmMapper are some of the additional sources used.
3. The outcome of the Initial Site Sensitivity Verification must be recorded in the form of a report that- (a) confirms or disputes the current use	This document serves as the Site Sensitivity Verification Report (SSVR), which complies with the criteria as stated in point 3.



<p>of the land and environmental sensitivity as identified by the national web-based environmental screening tool;</p> <p>(b) contains a motivation and evidence (e.g. photographs) of either the verified or different use of the land and environmental sensitivity; and</p> <p>(c) is submitted together with the relevant reports prepared in accordance with the requirements of the Environmental Impact Assessment Regulations.</p>	
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1 Project Description

Project Description:

The proposed development, situated on the Portion 10 of Farm 502, is located south-west of Stellenbosch, within the Stellenbosch Municipal area (see **Figure 1**).



Figure 1: Proposed development location (indicated by the red polygon)

The proposed development requires the installation of solar panels and associated infrastructure. **Figure 2** illustrates the development layout.

The proposed development will be conducted in 2 phases.

- Phase 1 – +/- 1.8MW for own consumption (+/- 2.5ha)
- Phase 2 – Up to 7MW for distribution/wheeling. (+/- 12ha).

The proposed development will require the following:

- A building for inverters. This will be a heavy-duty aluminium powder-coated container on stilts.
- Underground cables from the inverter building to the areas where electricity is required.
- Security fence (e.g. Clearvu fencing) around the solar panel site perimeter.



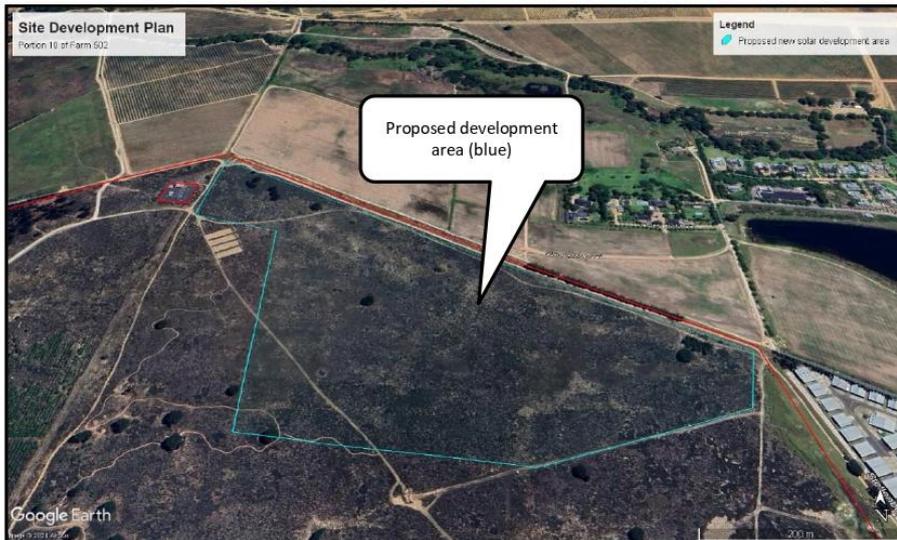


Figure 2: Proposed development layout

The applicant considered the need for conservation of the natural environment on which the two phases of this proposed development will be constructed, by enhancing and incorporating other activities being conducted by Spier to achieve dual use of the land area.

The project will include an Agri-voltaic solution, meaning low soil and vegetation impact and the establishment of pollinators on and around the proposed development area. This makes use of low impact mounting structures with no concrete bases, wider row spacing that reduces shading on vegetation between rows and higher mounting of panels to allow light under the panels for plant growth. Refer to **Figure 3** for an illustration of the proposed panels.



Figure 3: Illustration of panels

Shading is particularly important to consider for winter months in the Western Cape to allow plant growth to continue.

A detailed project description will be included in the Application Form.



2 Outcome of the Initial Site Sensitivity Verification

2.1 Site Sensitivity Verification:

The following table provides the site sensitivity rating as per the Screening Tool and the site findings.

SENSITIVITY AND SPECIALIST ASSESSMENTS IDENTIFIED IN TERMS OF THE DFFE SCREENING TOOL	DISPUTE/CONFIRM	VERIFICATION OF SITE-SPECIFIC SENSITIVITY AND MOTIVATION ON THE NEED FOR SPECIALIST INVESTIGATION
<p>Agriculture Theme</p> <p>Sensitivity Rating: Medium</p>	<p>Confirm</p>	<p>The proposed development will be located on land zoned agriculture, but will not impact existing crops (refer to Figure 4). The proposed development will also incorporate a simple Agri-voltaic solution for both phases. This makes use of low-impact mounting structures with no concrete bases, wider row spacing of solar that reduces shading on vegetation between rows and higher mounting of panels to allow light under the panels for plant growth (refer to Figure 5).</p>  <p>Figure 4: Proposed development area</p>





Figure 5: Illustration of proposed panels

Comment will be obtained from the Department of Agriculture.

Animal Species Theme
Sensitivity Rating: High

Dispute: Sensitivity Rating deemed to be insignificant.

According to the Screening Report, the majority of the proposed area has a sensitivity rating of medium (refer to).

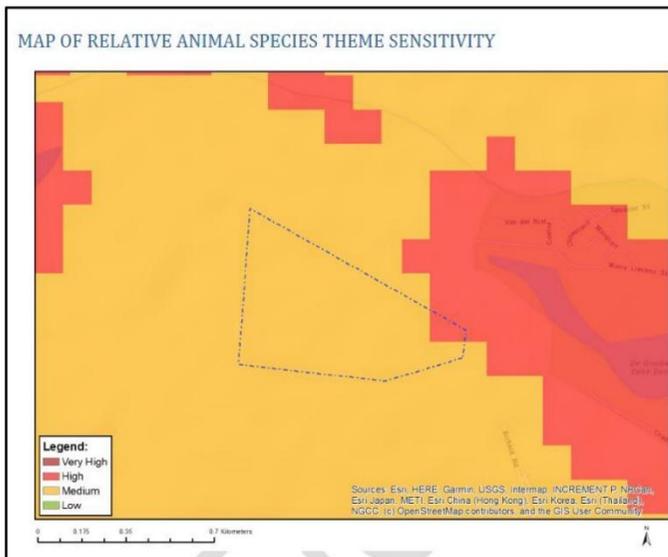


Figure 6: Animal Species Theme

No animal species were observed during the visual inspection. Any small animal species that occur on the property will not be harmed but will be allowed free access to the other portions of the property.

No Animal Species Assessment/Statement will be obtained.



<p>Avian Theme Sensitivity Rating: Low</p>	<p>Dispute: Sensitivity Rating deemed to be insignificant</p>	<p>A few guinea fowls were observed close to the proposed development area. Any bird species that occur on the property will not be harmed but will be allowed free access to the other portions of the property and be able to move freely on the property.</p> <p>The proposed development will not impact on</p> <p>No Avian Species Assessment/Statement will be obtained.</p>
<p>Aquatic Biodiversity Theme Sensitivity Rating: Very High</p>	<p>Dispute: Sensitivity Rating deemed insignificant.</p>	<p>The proposed development area does not contain any watercourses and is not located within 32m of a watercourse (refer to Figure 7).</p> <div data-bbox="869 422 1547 901" data-label="Figure"> </div> <p>Figure 7: Watercourse map</p> <p>An Aquatic Biodiversity Assessment/Statement will not be conducted.</p>
<p>Archaeological and Cultural Heritage Theme Sensitivity Rating: Very High</p>	<p>HWC to confirm</p>	<p>A Notice of Intent to Develop (NID) will be submitted to Heritage Western Cape (HWC).</p>
<p>Civil Aviation (Solar PV) Theme Sensitivity Rating: Medium</p>	<p>Dispute: Sensitivity Rating deemed low to insignificant.</p>	<p>The proposed development will be located in a rural area on privately owned land and will therefore not impact on civil aviation installations. The proposed solar panels will be fixed and will stay in one direction. Solar panels are flat and somewhat shiny, but they are designed to capture light; not reflect it. Photovoltaic panels actually cause less glare than standard home window glass. And research has shown that they reflect less light than snow, white concrete and energy-efficient white rooftops.</p> <p>No studies will be conducted, but comment will be requested from the closest aerodrome.</p>
<p>RFI Theme Sensitivity Rating: Medium</p>	<p>Dispute: Sensitivity Rating deemed low.</p>	<p>The development will be located in a rural area, on privately owned land and will not impact on radar, telecommunication or broadcasting facilities.</p> <p>No studies will be conducted.</p>



Defence Theme Sensitivity Rating: Low	Confirm	The proposed development will be located in a rural area on privately owned land and will therefore not impact on defence installations. No studies are required.
Palaeontology Theme Sensitivity Rating: Medium	HWC to confirm	A Notice of Intent to Develop (NID) will be submitted to Heritage Western Cape (HWC).
Plant Species Theme Sensitivity Rating: Medium	Confirm	The proposed development area consists of natural vegetation (refer to Figure 4). A Plant Species Assessment will be included in the Terrestrial Biodiversity Assessment.
Terrestrial Biodiversity Sensitivity Rating: Very High	Confirm	The proposed development area consists of natural vegetation (refer to Figure 8 and Figure 9). Most of the proposed development area is identified as CBA: Terrestrial (refer to Figure 10). The vegetation type is identified as Swartland Granite Renosterveld and is classified as endangered (refer to Figure 11). 

Figure 8: Vegetation within the proposed development area (1)





Figure 9: Vegetation within the proposed development area (2)



Figure 10: WCBSP 2017



		 <p>Figure 11: Veg2018 map A Terrestrial Biodiversity Assessment will be conducted.</p>
Landscape (Solar) /Visual Impact Assessment Sensitivity Rating: Very High	Dispute: Sensitivity Rating to be medium	<p>The proposed development will be located in a rural area zoned Agriculture. The proposed development will be able to supply the farm with electricity, therefore being for agricultural purposes. Will be located in a lower section of the farm away from roads and development.</p> <p>A Notice of Intent to Develop (NID) will be submitted to Heritage Western Cape (HWC).</p>
Geotechnical Assessment Sensitivity Rating: None		<p>Ground mounted solar panels are mounted through the use of a pole mounting system. As such, holes are made in the ground. The geotechnical integrity of the property would most likely not be compromised, as the entire affected area will not be dug up.</p> <p>Therefore, no studies will be conducted.</p>
Socio-Economic Assessment Sensitivity Rating: None		<p>It is noted that the needs and desirability criteria as per the National Environmental Management Act (NEMA) must be assessed and is incorporated into the basic assessment report.</p> <p>As such, a socio-economic study will not be conducted.</p>



3 Conclusion

The EAP hereby confirms that the following specialist assessments/statements will be conducted

- Archaeological and Cultural Heritage, Palaeontology, Landscape/Visual – HWC to confirm.
- Terrestrial Biodiversity Compliance Statement.
- Agriculture – Comment will be requested from the Department of Agriculture.

