

SITE VERIFICATION REPORT

22 May 2023

THE PROPOSED LUCKHOFF SOLAR 3
PHOTOVOLTAIC SOLAR ENERGY FACILITY
NEAR LUCKHOFF, FREE STATE PROVINCE



ENVIRONAMICS

PROJECT DETAIL

DFFE Reference No's.	:	14/12/16/3/3/2/2286
Project Title	:	Proposed Luckhoff Solar 3 Photovoltaic Solar Energy Facility near Luckhoff , Free State Province
Authors	:	Ms. Mary-Jane Khanyile
Reviewed	:	Roschel Maharaj
Client	:	Luckhoff Solar 3 (Pty) Ltd
Report Status	:	Site Verification Report
Submission date	:	22 May 2023

When used as a reference this report should be cited as: Environamics (2023). Site verification Report: Proposed Luckhoff Solar 3 Photovoltaic Solar Energy Facility near Luckhoff, Free State Provinces.

COPYRIGHT RESERVED

This technical report has been produced for Luckhoff Solar 3 (Pty) Ltd. The intellectual property contained in this report remains vested in Environamics and Luckhoff Solar 3 (Pty) Ltd. No part of this report may be reproduced in any manner without written permission from Environamics or Luckhoff Solar 3 (Pty) Ltd.

TABLE OF CONTENTS

PROJECT DETAIL	2
TABLE OF CONTENTS	3
LIST OF FIGURES	4
LIST OF TABLES	4
1 INTRODUCTION	5
1.1 Specialist Assessments Identified by the Screening Report.....	5
2 SITE VERIFICATION PV FACILITY	6
2.1 Screening Tool Results for the PV Facility	6
2.2 Sensitivities of the Studies not Conducted.....	9
2.3 Site Verification	12
3 SITE VERIFICATION SUBSTATION	15
3.1 Screening Tool Results for the Substation	15
3.2 Sensitivities of the Studies not Conducted.....	17
3.3 Site Verification	20
4 SITE VERIFICATION POWERLINE	22
4.1 Screening Tool Results for the Powerline	22
4.2 Sensitivities of the Studies not Conducted.....	24
4.3 Site Verification	27
5 LAND USE	29
5.1 Current/ Verified Land Use.....	29
6 CONCLUSION	32

LIST OF FIGURES

Figure 2-1: Civil aviation sensitivity as indicated by the DFFE Screening Tool Report.....	10
Figure 2-2: Map of relative civil aviation (solar PV) theme sensitivity.....	10
Figure 2-3: Defence theme sensitivity as indicated by the DFFE Screening Tool Report	11
Figure 2-3: Defence theme sensitivity as indicated by the DFFE Screening Tool Report	12
Figure 2-5: Map of relative RFI theme sensitivity	12
Figure 3-1: Map of relative civil aviation theme sensitivity	18
Figure 3-1: Map of relative civil aviation theme sensitivity	18
Figure 3-2: Map of relative defence theme sensitivity	19
Figure 4.1: Map of relative civil aviation theme sensitivity	25
Figure 4.2: Map of relative defence theme sensitivity	26
Figure 4.2: Map of relative defence theme sensitivity	26
Figure 5-1: The site (taken towards the north)	29
Figure 5-2: The site (taken towards the north east)	30
Figure 5-3: The site (taken towards the east)	30
Figure 5-4: The site (taken towards the south)	31
Figure 5-5: The site (taken towards the west)	31

LIST OF TABLES

Table 2.1: Specialist studies identified by the DFFE screening tool for the PV facility and specialist studies conducted	6
Table 2.2: Verification of DFFE screening report sensitivity ratings	12
Table 3.1: Specialist studies identified by the DFFE screening tool for the substation and specialist studies conducted.....	15
Table 3.2: Verification of DFFE screening report sensitivity ratings	20
Table 4.1: Specialist studies identified by the DFFE screening tool for the powerline and specialist studies conducted.....	22
Table 4.2: Verification of DFFE screening report sensitivity ratings	27

1 INTRODUCTION

This Site Verification Report is compiled in compliance with Government Notice No. 320, dated 20 March 2020, which includes the requirement for an Initial Site Sensitivity Verification Report to be produced for a development footprint. The outcome of the Initial Site Verification must be recorded in the form of a report that-

- a) Confirms or disputes the current use of the land and environmental sensitivity as identified by the national web based environmental screening tool;
- b) Contains a motivation and evidence of either the verified or different use of the land and environmental sensitivity;
- c) Is submitted together with the relevant reports prepared in accordance with the requirements of the Environmental Impact Assessment Regulations.

1.1 Specialist Assessments Identified by the Screening Report

The DFFE Screening Tool Reports (Appendix B of the Scoping Report) identified the following specialist assessments to be included in the S&EIR processes:

1. Agricultural Impact Assessment
2. Animal Species Assessment
3. Aquatic Biodiversity Impact Assessment
4. Archaeological and Cultural Heritage Impact Assessment
5. Avian Impact Assessment
6. Civil Aviation Assessment
7. Defense Assessment
8. Landscape/Visual Impact Assessment
9. Paleontology Impact Assessment
10. Plant Species Assessment
11. RFI Assessment
12. Terrestrial Biodiversity Impact Assessment

The tables included below provides an indication of the specialist studies identified by the DFFE Screening Tool Report for the various applicable categories, as well as an indication of whether the studies were undertaken or not and a motivation or confirmation of the studies being included or not.

2 SITE VERIFICATION PV FACILITY

2.1 Screening Tool Results for the PV Facility

Table 2.1: Specialist studies identified by the DFFE screening tool for the PV facility and specialist studies conducted

Study identified in the DFFE Screening Tool and sensitivity	Study included?	Appendix
Agricultural Impact Assessment Sensitivity: Medium Feature(s): low to moderate land capability	Yes	An Agricultural Compliance Statement is included in Appendix E5 of the EIR.
Animal Species Assessment Sensitivity: Medium Feature(s): Presence of sensitive animal species i.e., <i>Aves-Neotis ludwigii</i>	Yes	An Ecological Impact Assessment is included in in Appendix E1 of the EIR.
Aquatic Biodiversity Impact Assessment Sensitivity: Low	Yes	An Aquatic Ecological Impact Assessment is included in Appendix E1. This assessment has been undertaken in terms of the Protocols of GNR320 – refer to the content of the report.
Archaeological and Cultural Heritage Impact Assessment Sensitivity: Low	Yes	A Heritage Impact Assessment is included in Appendix E5 of the EIR, as per the requirements of the National Heritage Resources Act.
Avian Impact Assessment Sensitivity: Low	Yes	An Avifaunal Impact Assessment is included in Appendix E3.
Civil Aviation Assessment	No	The identification of the site as low sensitivity considering civil aviation

Sensitivity: Low		is agreed to by the EAP. No major or other types of civil aviation aerodromes were found to be located in close proximity of the site. The Civil Aviation Authority has been consulted regarding the development of the project since the commencement of the S&EIR Process. No specific negative impacts or issues have been raised to date by the CAA regarding the project.
Defence Theme Sensitivity: Low	No	The sensitivity for the entire extent of the site is low and therefore no assessment has been included. No defence base has been found to be located in close proximity to the project site. The South African National Defence Force (SANDF) has been consulted regarding the development of the project since the commencement of the S&EIR Process. No specific negative impacts or issues have been raised to date regarding the project.
Landscape / Visual Impact Assessment Sensitivity: Very High Feature(s): The project area lies within 1.5 km of a nature reserve and is characterised by mountain tops and high ridges.	Yes	A Visual Impact Assessment is included in Appendix E3 of the EIR.
Palaeontological Impact Assessment Sensitivity: High	Yes	A Palaeontological Impact Assessment is included in Appendix E6 of the EIR, as per the requirements of the National Heritage Resources Act.

Feature(s): The project area may comprise features that have a high paleontological sensitivity		
Plant species Assessment Sensitivity: Medium Feature(s): The project may comprise the presence of of <i>Tridentea virescens</i>	Yes	An Ecological Impact Assessment is included in in Appendix E1 of the EIR.
RFI Assessment Sensitivity: Medium Feature(s): The project area is located between 14 and 32 km of a SKA receptor	No	The RFI theme sensitivity is medium for the entire extent of the project. The South African Radio Astronomy Observatory (SARAO) has been consulted regarding the development of the project since the commencement of the S&EIR Process. No specific negative impacts or issues have been raised to date by the SARAO regarding the project.
Terrestrial Biodiversity Impact Assessment Sensitivity: Very High Feature(s): The project area comprise of Critical biodiversity area 1 and 2 and ESA 1.	Yes	An Ecological Impact Assessment is included in in Appendix E1 of the EIR. This assessment has been undertaken in terms of the Protocols of GNR320 – refer to the content of the report.
Geotechnical Assessment Sensitivity: Not indicated	Yes	The detailed Geotechnical Assessment will be conducted before construction begins as part of the micro-siting of the facility layout. The consideration of geotechnical aspects is considered to be of a technical concern rather than an environmental concern.

		A Desktop Geotechnical Assessment is included in Appendix E9.
Socio-Economic Assessment Sensitivity: Not indicated	Yes	A Social Impact Assessment is included in Appendix E7.

2.2 Sensitivities of the Studies not Conducted

This section has been produced specifically to consider the Civil Aviation, Defence and RFI theme and addresses the content requirements of (a) and (b) above.

The remaining required specialist studies have been undertaken as part of the Scoping and Environmental Impact Reporting (S&EIR) process as listed in the DFFE Screening Tool Reports. The only study not considered as relevant is the Geotechnical Assessment which will only be undertaken before construction begins as part of the micro-siting of the facility layout. The consideration of geotechnical aspects is considered to be of a technical concern rather than an environmental concern. However, a desktop geotechnical study has been included as a part of the Final Scoping Report (FSR).

The sensitivities for the Civil Aviation, Defence and RFI themes associated with Luckhoff Solar 3 PV facility are as follows:

2.2.1 Civil Aviation Theme

The site sensitivity is classified as low for the PV facility as no major or other types of civil aviation aerodromes are present. Refer to Figure 2.1.

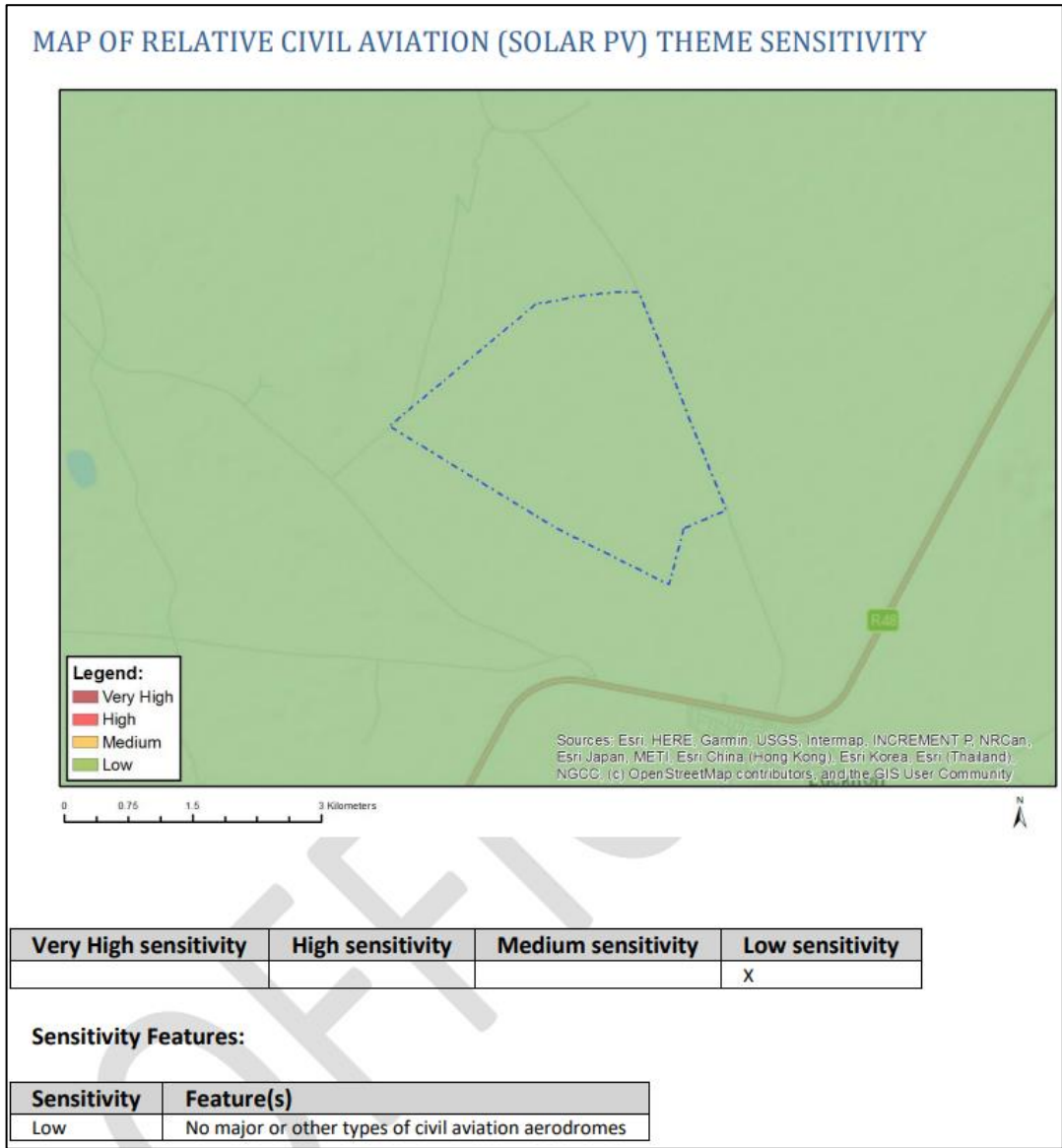


Figure 2-1: Civil aviation sensitivity as indicated by the DFFE Screening Tool Report

2.2.2 Defence Theme

The site sensitivity is classified as low for the PV facility as no defence base has been identified in close proximity to the site. Refer to Figure 2.2.

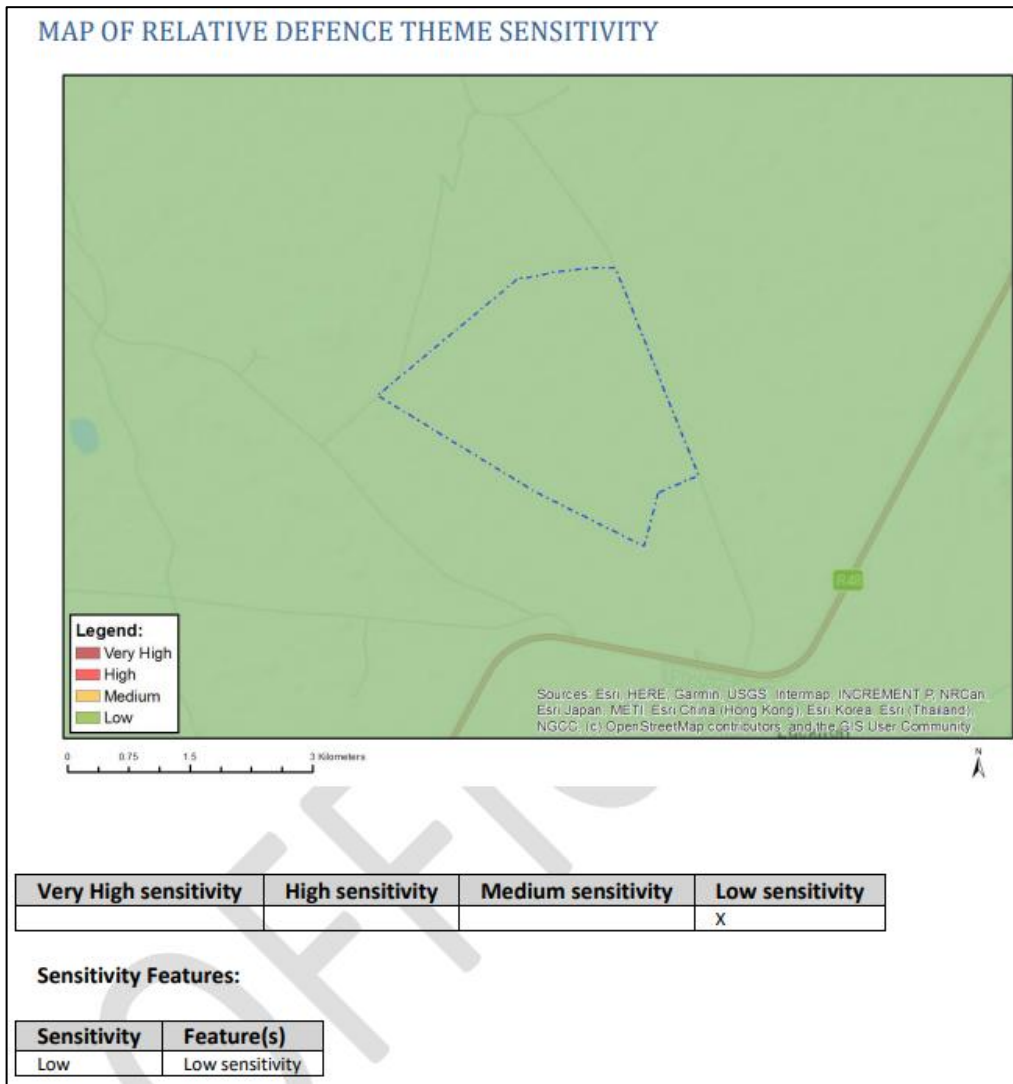


Figure 2-3: Defence theme sensitivity as indicated by the DFFE Screening Tool Report

2.2.3 RFI Theme

The site sensitivity is classified as medium for the PV facility. The screening tool ranks the RFI theme as medium sensitivity due to the property potentially lying between 14 and 32 km of a SKA receptor. Refer to Figure 2.3.

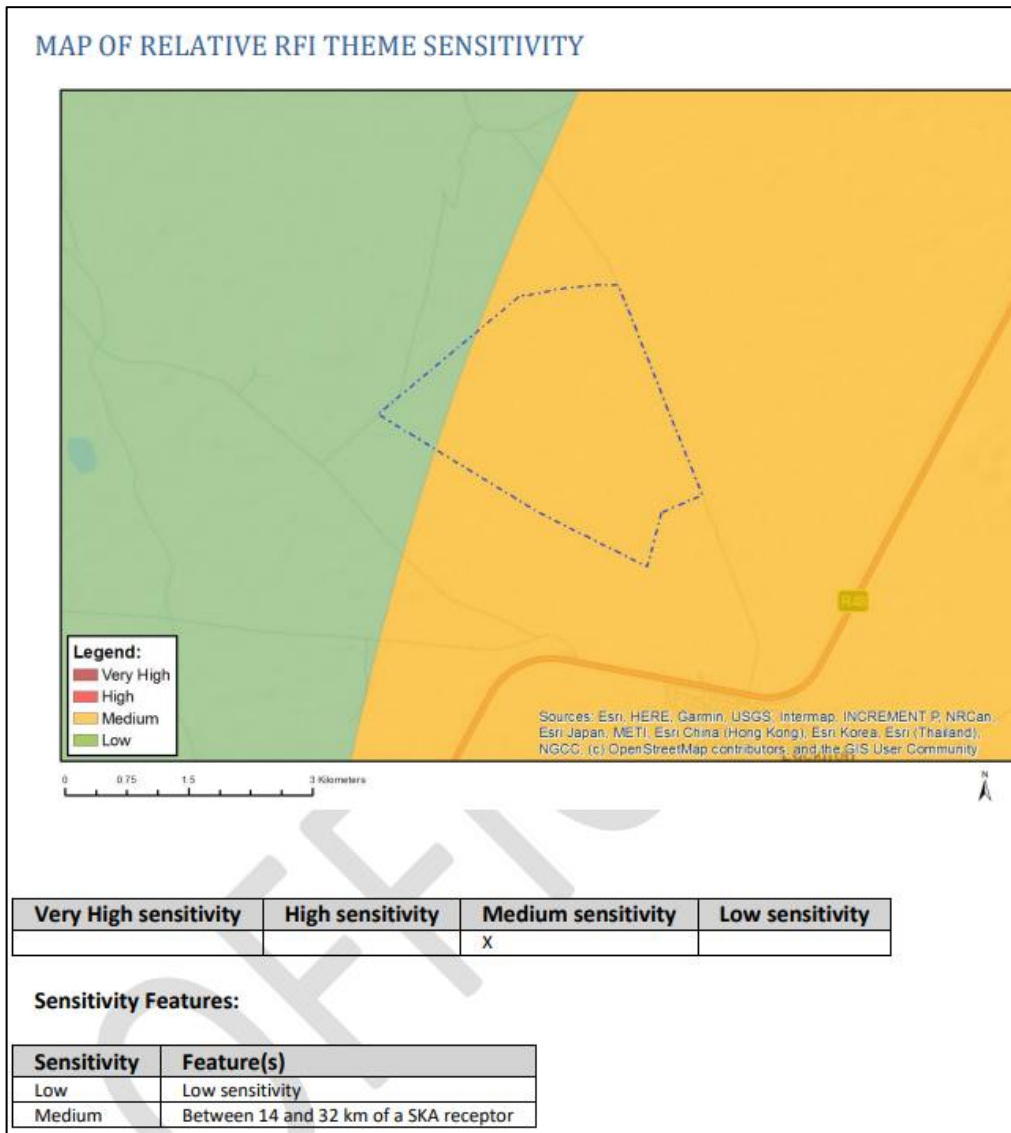


Figure 2-4: Defence theme sensitivity as indicated by the DFFE Screening Tool Report

2.3 Site Verification

This section will evaluate and verify the sensitivity ratings provided by the DFFE Screening Tool Report on studies that were not undertaken and provide feedback from the EAP.

Table 2.2: Verification of DFFE screening report sensitivity ratings

Identified Sensitivity		Comment
Civil Aviation Theme		
<u>DFFE Screening Report</u>	<u>EAP Feedback</u>	The identification of the site as low sensitivity considering civil aviation is agreed to by the EAP. The Civil Aviation Authority (CAA) has been identified as an I&AP, and has received
Low	Low	

<p>As no specific assessment protocol has been prescribed, the required level of assessment must be based on the findings of the Initial Site Sensitivity Verification and must comply with Appendix 6 of the Environmental Impact Assessment Regulations promulgated under sections 24(5) and 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (The Act), where a specialist assessment is required.</p>	<p>The proposed development is not expected to have an unacceptable negative impact on civil aviation aerodromes based on the findings of the site visit and the lack of civil aviation aerodromes within the general area of the proposed project.</p> <p>Based on the above, the EAP is of the opinion that no further assessments are required in terms of the civil aviation theme. This assessment is considered sufficient for the civil aviation theme.</p>	<p>the respective reporting for review and commenting. No comments from the CAA have been received as part of the public participation process.</p>
--	--	---

Defence Theme

<p><u>DFFE Screening Report</u></p> <p>Low</p> <p>As no specific assessment protocol has been prescribed, the required level of assessment must be based on the findings of the Initial Site Sensitivity Verification and must comply with Appendix 6 of the Environmental Impact Assessment Regulations promulgated under sections 24(5) and 44 of</p>	<p><u>EAP Feedback</u></p> <p>Low</p> <p>The proposed development will not have an unacceptable negative impact on defence theme. Considering the site under assessment no significant impact is expected to occur especially on defence theme.</p> <p>This assessment is considered sufficient for the defence theme. There is no reason for</p>	<p>The sensitivity for the entire extent of the site is low and therefore no assessment has been included. The South African National Defence Force (SANDF) has been identified as an I&AP, and has received the respective reporting for review and commenting. No comments have been received as part of the public participation process.</p>
---	---	--

<p>the National Environmental Management Act, 1998 (Act No. 107 of 1998) (The Act), where a specialist assessment is required.</p>	<p>the development not to proceed based on the results of the assessment and no objections were made.</p>	
RFI (Radio Frequency Interference) Theme		
<p><u>DFFE Screening Report</u></p> <p>Medium</p> <p>As no specific assessment protocol has been prescribed, the required level of assessment must be based on the findings of the Initial Site Sensitivity Verification and must comply with Appendix 6 of the Environmental Impact Assessment Regulations promulgated under sections 24(5) and 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (The Act), where a specialist assessment is required.</p>	<p><u>EAP Feedback</u></p> <p>Low</p> <p>As the theme is of a medium sensitivity, no unacceptable impact is expected to occur. Any potential impact that may arise from development activities can be mitigated sufficiently resulting to a low sensitivity site in terms of RFI. I&APs that may be impacted in this regard were consulted during the process and all comments were considered.</p>	<p>The site verification screening report indicates that the site is between 14 and 32 km of a SKA receptor. However, the desktop study is inconclusive.</p> <p>The South African Radio Astronomy Observatory (SARAO) have been consulted regarding the development of the project and the relevant reporting has been circulated to SARAO for review and commenting. No comment has been received from SARAO to date.</p>

3 SITE VERIFICATION SUBSTATION

3.1 Screening Tool Results for the Substation

Table 3.1: Specialist studies identified by the DFFE screening tool for the substation and specialist studies conducted

Study identified in the DFFE Screening Tool and sensitivity	Study included?	Appendix
<p>Agricultural Impact Assessment</p> <p>Sensitivity: Medium</p> <p>Feature(s): Low to moderate land capability</p>	Yes	<p>An Agricultural Compliance Statement is included in Appendix E4 of the EIR.</p>
<p>Animal Species Assessment</p> <p>Sensitivity: Medium</p> <p>Feature(s): Presence of sensitive animal species i.e., <i>Aves-Neotis ludwigii</i></p>	Yes	<p>An Ecological Impact Assessment is included in Appendix E2 of the EIR.</p>
<p>Aquatic Biodiversity Impact Assessment</p> <p>Sensitivity: Low</p>	Yes	<p>An Aquatic Ecological Impact Assessment is included in Appendix E1.</p> <p>This assessment has been undertaken in terms of the Protocols of GNR320 – refer to the content of the report.</p>
<p>Archaeological and Cultural Heritage Impact Assessment</p> <p>Sensitivity: Low</p>	Yes	<p>A Heritage Impact Assessment is included in Appendix E5 of the EIR, as per the requirements of the National Heritage Resources Act.</p>
<p>Civil Aviation Assessment</p> <p>Sensitivity: Low</p>	No	<p>The identification of the site as low sensitivity considering civil aviation is agreed to by the EAP.</p> <p>The Civil Aviation Authority has been consulted regarding the</p>

		development of the project since the commencement of the S&EIR Process. No specific negative impacts or issues have been raised to date by the CAA regarding the project. The project is also not located within an area considered to be of a high sensitivity.
Defence Theme Sensitivity: Low	No	The sensitivity for the entire extent of the site is low and therefore no assessment has been included. No defence base has been found to be located in close proximity to the project site. The South African National Defence Force (SANDF) has been consulted regarding the development of the project since the commencement of the S&EIR Process. No specific negative impacts or issues have been raised to date regarding the project.
Palaeontological Impact Assessment Sensitivity: High Feature(s): The project may comprise of feature that have a High paleontological sensitivity	Yes	A Palaeontological Impact Assessment is included in Appendix E6 of the EIR, as per the requirements of the National Heritage Resources Act.
Plant species Assessment Sensitivity: Medium Feature(s): The project may comprise of <i>Tridentea virescens</i>	Yes	An Ecological Impact Assessment is included in Appendix E2 of the EIR.
Terrestrial Biodiversity Impact Assessment Sensitivity: Very High	Yes	An Ecological Impact Assessment is included in Appendix E2. This assessment has been undertaken in terms of the

Feature(s): The project area comprise of Critical biodiversity area 1 and 2 and ESA 1.		Protocols of GNR320 – refer to the content of the report.
--	--	---

3.2 Sensitivities of the Studies not Conducted

This section has been produced specifically to consider the Civil Aviation and Defence themes and addresses the content requirements of (a) and (b) above.

The remaining required specialist studies have been undertaken as part of the Scoping and Environmental Impact Reporting (S&EIR) process as listed in the DFFE Screening Tool Reports. The only study not considered as relevant is the Geotechnical Assessment which will only be undertaken before construction begins as part of the micro-siting of the facility layout. The consideration of geotechnical aspects is considered to be of a technical concern rather than an environmental concern. However, a desktop geotechnical study has been included as a part of the Environmental Impact Report (EIR).

The sensitivities for the Civil Aviation and Defence themes associated with Luckhoff Solar 3 substation facility are as follows:

3.2.1 Civil Aviation Theme

The site sensitivity is classified as Low for the substation category. Refer to Figure 3.1.

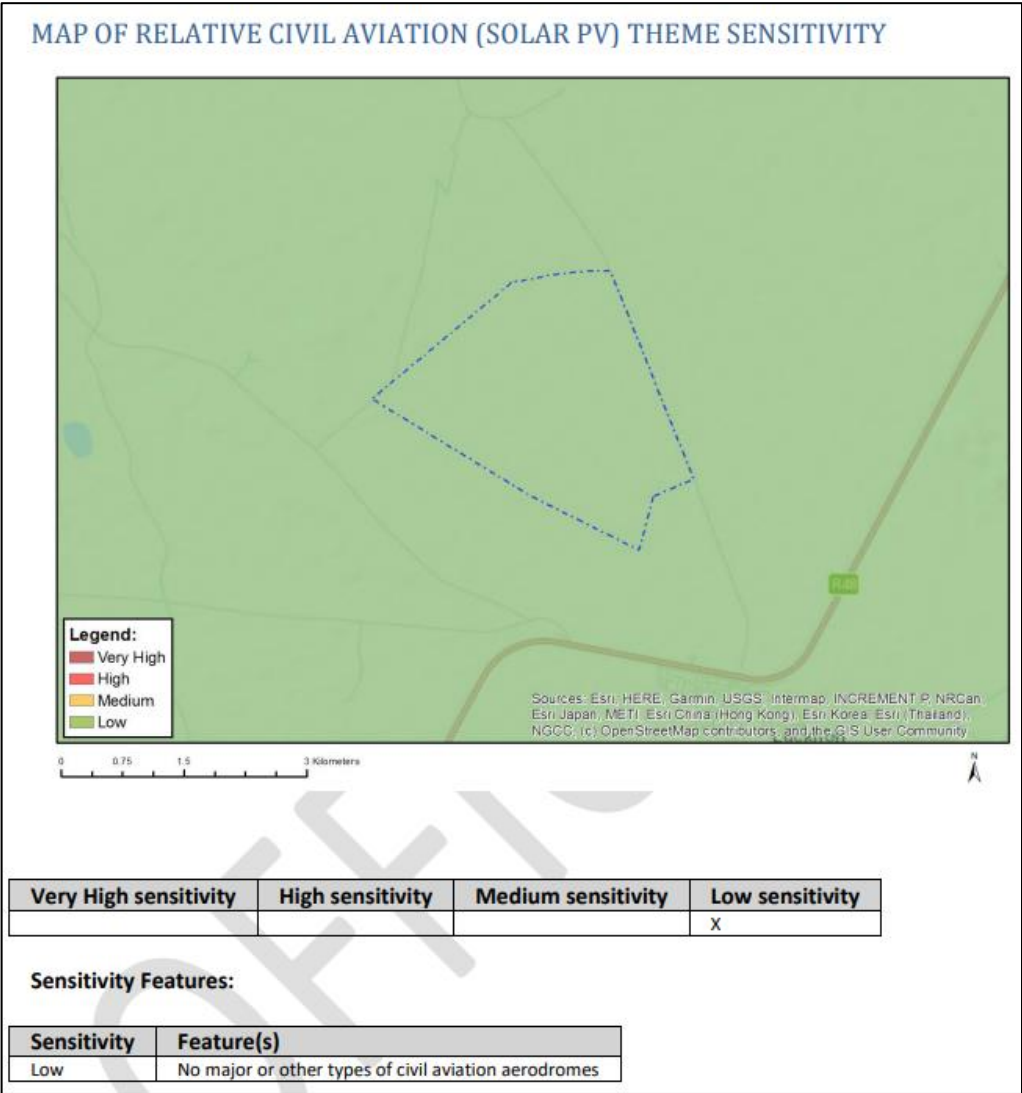


Figure 3-1: Map of relative civil aviation theme sensitivity

3.2.2 Defence Theme

The site sensitivity is classified as low for the substation as no defence base has been identified in close proximity to the site. Refer to Figure 3.2.

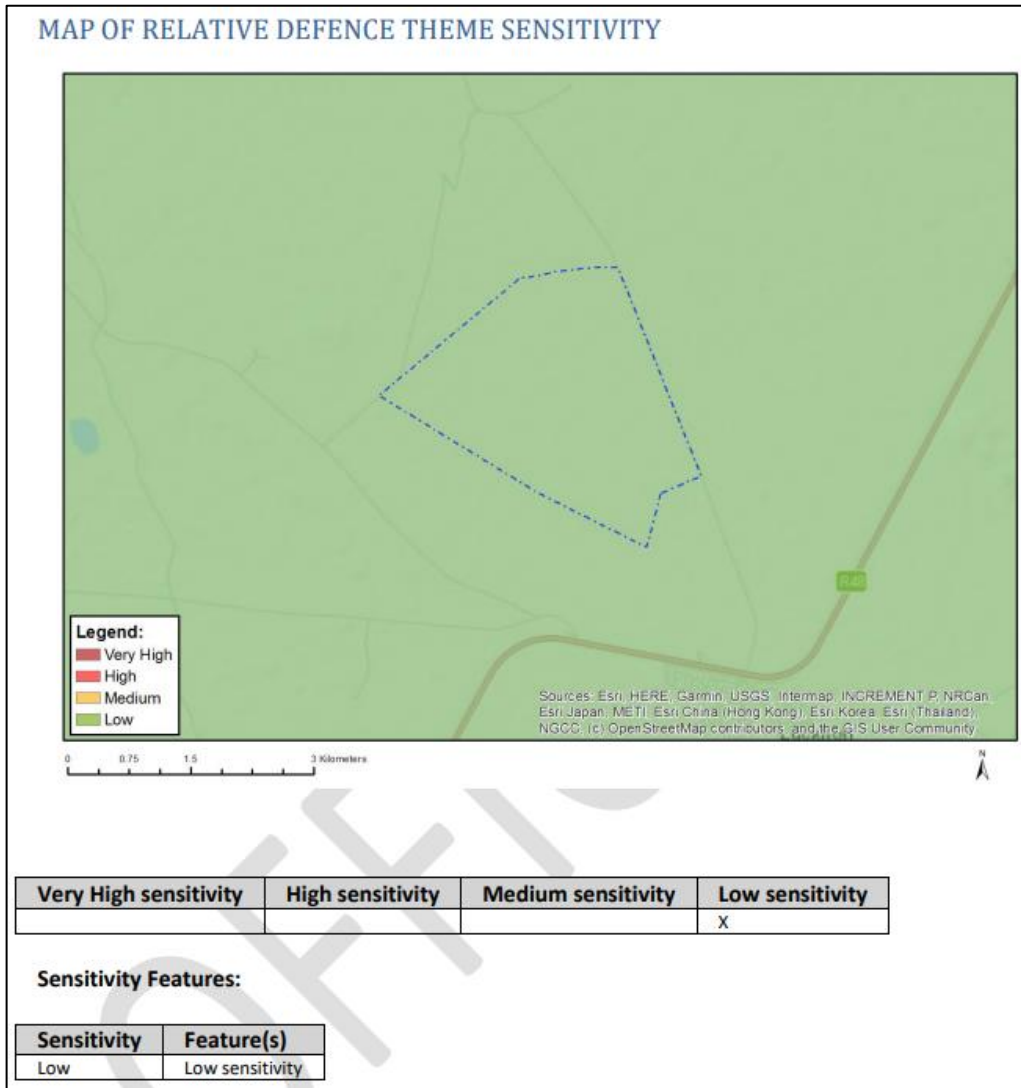


Figure 3-2: Map of relative defence theme sensitivity

3.3 Site Verification

This section will evaluate and verify the sensitivity ratings provided by the DFFE Screening Tool Report on studies that were not undertaken and provide feedback from the EAP.

Table 3.2: Verification of DFFE screening report sensitivity ratings

Identified Sensitivity		Comment
Civil Aviation Theme		
<p><u>DFFE Screening Report</u></p> <p>Low</p> <p>There is low potential for negative impacts on the civil aviation theme, and if there are impacts there is a high likelihood of mitigation. Further assessment of the potential impacts will not be required.</p>	<p><u>EAP Feedback</u></p> <p>Low</p> <p>The proposed development is not expected to have an unacceptable negative impact on civil aviation based on the findings of the site visit and the lack of civil aviation infrastructure within the general area of the proposed project.</p> <p>Based on the above, the EAP is of the opinion that no further assessments are required in terms of the civil aviation theme. This assessment is considered sufficient for the civil aviation theme. There is no reason for the development not to proceed based on the results of the assessment and no objections were raised.</p>	<p>The civil aviation theme was identified as low sensitivity for the solar PV theme as per section 2 above. The proposed development is not expected to result in unacceptable negative impacts on civil aviation.</p> <p>The Civil Aviation Authority (CAA) has been identified as an I&AP, and has received the relevant reporting for review and commenting. No comments from the CAA have been received as part of the public participation process.</p>
Defence Theme		
<p><u>DFFE Screening Report</u></p> <p>Low</p>	<p><u>EAP Feedback</u></p> <p>Low</p>	<p>The sensitivity for the entire extent of the site is low and therefore no assessment has been included. The South African National Defence Force (SANDF) has been identified as an I&AP,</p>

<p>As no specific assessment protocol has been prescribed, the required level of assessment must be based on the findings of the Initial Site Sensitivity Verification and must comply with Appendix 6 of the Environmental Impact Assessment Regulations promulgated under sections 24(5) and 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (The Act), where a specialist assessment is required.</p>	<p>The proposed development will not have an unacceptable negative impact on defence theme. Considering the site under assessment and the surrounding defence aspects the sensitivity is confirmed as low.</p> <p>This assessment is considered sufficient for the defence theme. There is no reason for the development not to proceed based on the results of the assessment and no objections were made.</p>	<p>and has received the relevant reports for review and commenting. No comments have been received as part of the public participation process.</p>
--	---	---

4 SITE VERIFICATION POWERLINE

4.1 Screening Tool Results for the Powerline

Table 4.1: Specialist studies identified by the DFFE screening tool for the powerline and specialist studies conducted

Study identified in the DFFE Screening Tool and sensitivity	Study included?	Appendix
<p>Agricultural Impact Assessment</p> <p>Sensitivity: Medium</p> <p>Feature(s): Low to moderate land capability</p>	Yes	<p>An Agriculture and Soils Compliance Statement is included in Appendix E4 of the EIR.</p>
<p>Animal Species Assessment</p> <p>Sensitivity: Medium</p> <p>Feature(s): Presence of sensitive animal species i.e., <i>Aves-Neotis ludwigii</i></p>	Yes	<p>An Ecological Impact Assessment is included in Appendix E1 of the EIR.</p>
<p>Aquatic Biodiversity Impact Assessment</p> <p>Sensitivity: Low</p>	Yes	<p>An Aquatic Ecological Impact Assessment is included in Appendix E1.</p> <p>This assessment has been undertaken in terms of the Protocols of GNR320 – refer to the content of the report.</p>
<p>Archaeological and Cultural Heritage Impact Assessment</p> <p>Sensitivity: Low</p>	Yes	<p>A Heritage Impact Assessment is included in Appendix E5 of the EIR, as per the requirements of the National Heritage Resources Act.</p>
<p>Civil Aviation Assessment</p> <p>Sensitivity: Low</p>	No	<p>The identification of the site as low sensitivity considering civil aviation is agreed to by the EAP.</p> <p>The Civil Aviation Authority has been consulted regarding the</p>

		development of the project since the commencement of the S&EIR Process. No specific negative impacts or issues have been raised to date by the CAA regarding the project. The project is also not located within an area considered to be of a high sensitivity.
Defence Theme Sensitivity: Low	No	The sensitivity for the entire extent of the site is low and therefore no assessment has been included. No defence base has been found to be located in close proximity to the project site. The South African National Defence Force (SANDF) has been consulted regarding the development of the project since the commencement of the S&EIR Process. No specific negative impacts or issues have been raised to date regarding the project.
Palaeontological Impact Assessment Sensitivity: High Feature(s): The project may comprise of feature that have a High paleontological sensitivity	Yes	A Palaeontological Impact Assessment is included in Appendix E6 of the EIR, as per the requirements of the National Heritage Resources Act.
Plant species Assessment Sensitivity: Low	Yes	An Ecological Impact Assessment is included in Appendix E1 of the EIR.
Terrestrial Biodiversity Impact Assessment Sensitivity: Very High Feature(s): The project area is located within an ESA 1.	Yes	An Ecological Impact Assessment is included in Appendix E1 of the EIR. This assessment has been undertaken in terms of the Protocols of GNR320 – refer to the content of the report.

4.2 Sensitivities of the Studies not Conducted

This section has been produced specifically to consider the Civil Aviation and Defence themes and addresses the content requirements of (a) and (b) above.

The remaining required specialist studies have been undertaken as part of the Scoping and Environmental Impact Reporting (S&EIR) process as listed in the DFFE Screening Tool Reports. The only study not considered as relevant is the Geotechnical Assessment which will only be undertaken before construction begins as part of the micro-siting of the facility layout. The consideration of geotechnical aspects is considered to be of a technical concern rather than an environmental concern. However, a desktop geotechnical study has been included as a part of the Environmental Impact Report (EIR).

The sensitivities for the Civil Aviation and Defence themes associated with Luckhoff Solar 3 powerline are as follows:

4.2.1 Civil Aviation Theme

The site sensitivity is classified as low. Refer to Figure 4.1.

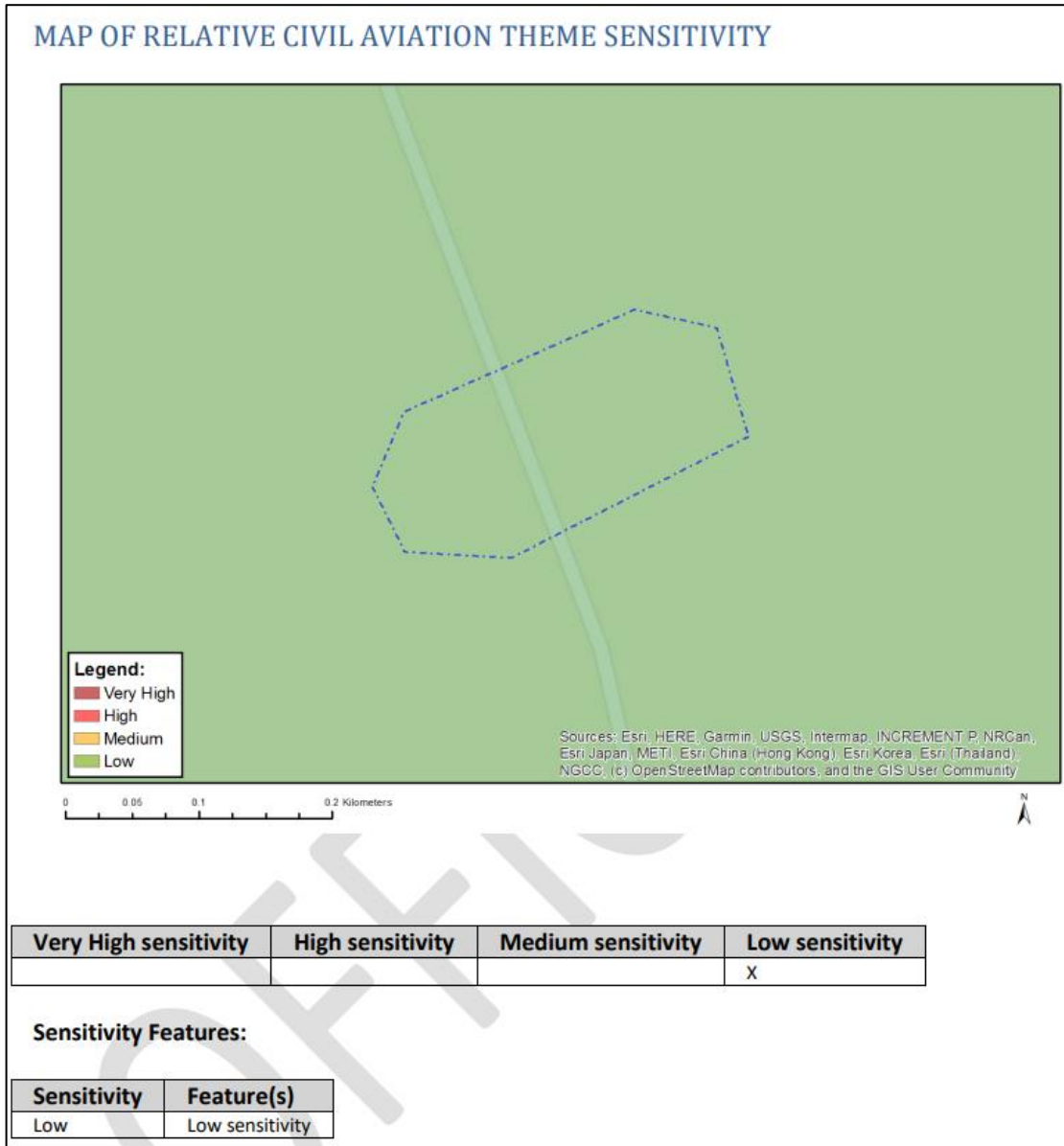


Figure 4.1: Map of relative civil aviation theme sensitivity

4.2.2 Defence Theme

The site sensitivity is classified as low for the powerline category as no defence base has been identified in close proximity to the site. Refer to Figure 4.2.

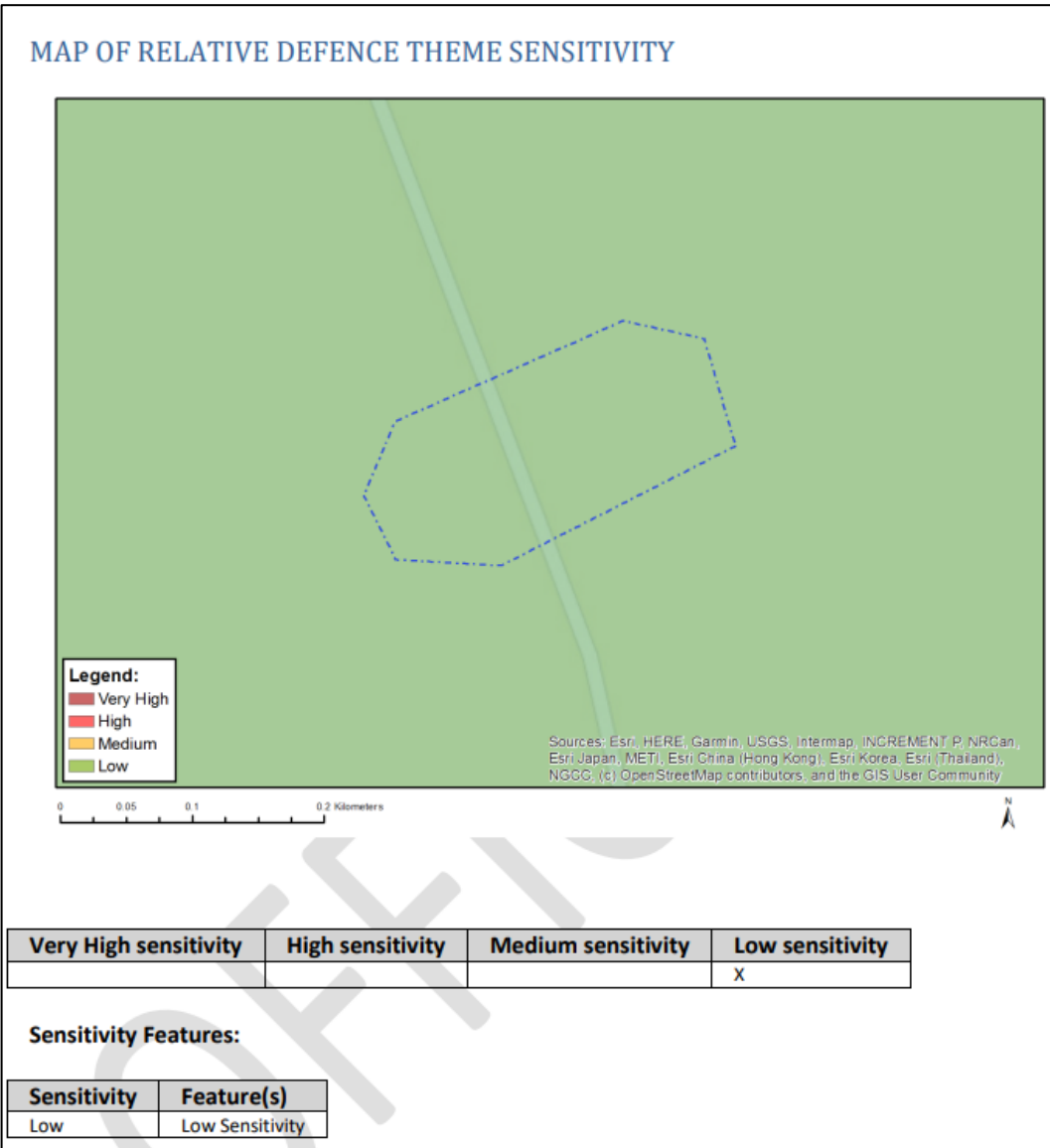


Figure 4.2: Map of relative defence theme sensitivity

4.3 Site Verification

This section will evaluate and verify the sensitivity ratings provided by the DFFE Screening Tool Report on studies that were not undertaken and provide feedback from the EAP.

Table 4.2: Verification of DFFE screening report sensitivity ratings

Identified Sensitivity		Comment
Civil Aviation Theme		
<p><u>DFFE Screening Report</u></p> <p>Low</p> <p>As no specific assessment protocol has been prescribed, the required level of assessment must be based on the findings of the Initial Site Sensitivity Verification and must comply with Appendix 6 of the Environmental Impact Assessment Regulations promulgated under sections 24(5) and 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (The Act), where a specialist assessment is required.</p>	<p><u>EAP Feedback</u></p> <p>Low</p>	<p>The Civil Aviation Authority (CAA) has been identified as an I&AP, and has received the relevant reporting for review and commenting. No comments from the CAA have been received as part of the public participation process.</p>
Defence Theme		
<p><u>DFFE Screening Report</u></p> <p>Low</p> <p>As no specific assessment protocol has been prescribed, the required level of</p>	<p><u>EAP Feedback</u></p> <p>Low</p> <p>The proposed development will not have an unacceptable negative impact on</p>	<p>The sensitivity for the entire extent of the site is low and therefore no assessment has been included. The South African National Defence Force (SANDF) has been identified as an I&AP, and has received the relevant reporting for review and commenting. No comments have been received as part of the public</p>

<p>assessment must be based on the findings of the Initial Site Sensitivity Verification and must comply with Appendix 6 of the Environmental Impact Assessment Regulations promulgated under sections 24(5) and 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (The Act), where a specialist assessment is required.</p>	<p>defence theme. Considering the site under assessment and the surrounding defence aspects the sensitivity is confirmed as low.</p> <p>This assessment is considered sufficient for the defence theme. There is no reason for the development not to proceed based on the results of the assessment and no objections were made.</p>	<p>participation process. The SANDF has not been removed from the I&AP database and will therefore, also receive the draft EIA report for comment.</p>
--	---	--

5.1 Current/ Verified Land Use

The current land use of the properties is mainly used for agricultural purposes which includes cattle grazing. The town of Luckhoff is located approximately 3 km south of the proposed development.

Most of the surrounding area has a low number of farmsteads/buildings that are sparsely populated. The area is located within an agricultural region, and the immediate area is presently used for agriculture purposes.

Refer to Figures 5.1 – 5.5 for photographs of the site under assessment.



Figure 5-1: The site (taken towards the north)



Figure 5-2: The site (taken towards the north east)

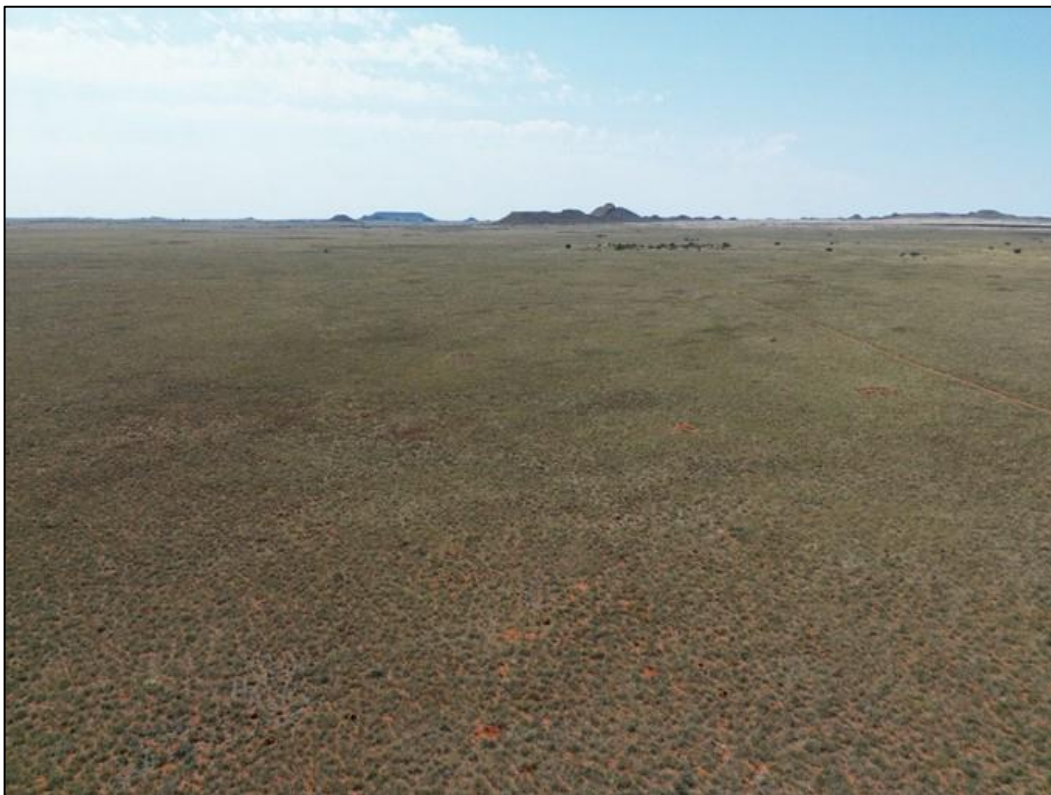


Figure 5-3: The site (taken towards the east)

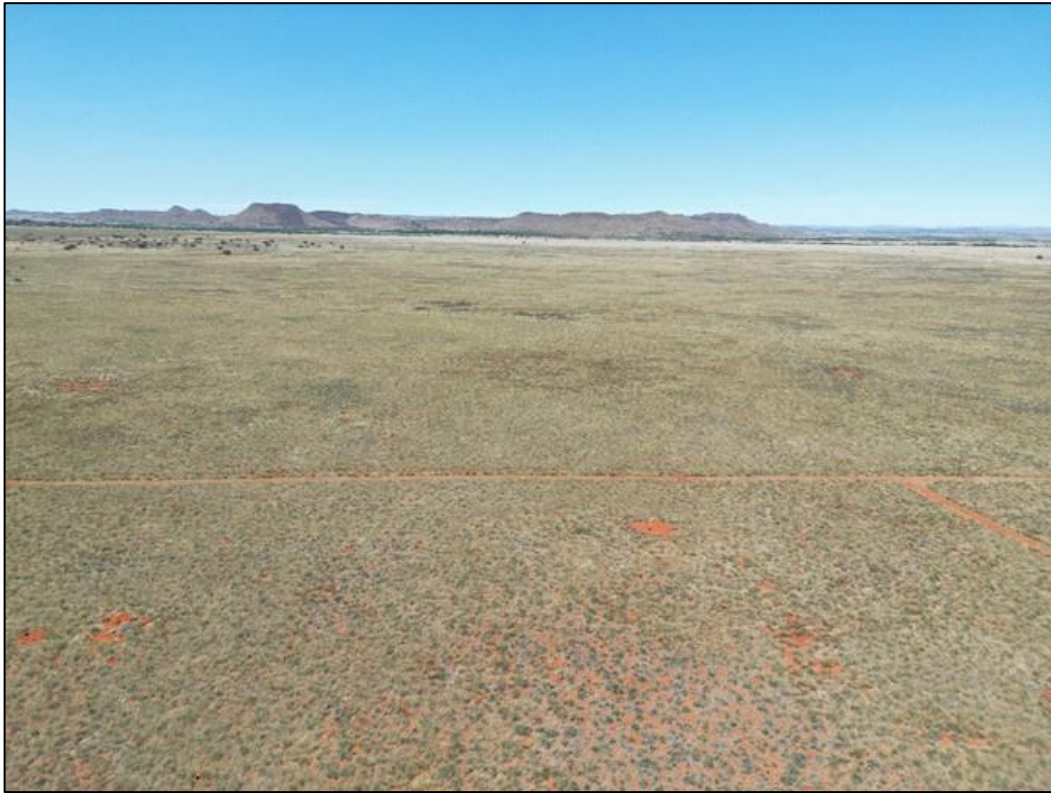


Figure 5-4: The site (taken towards the south)



Figure 5-5: The site (taken towards the west)

6 CONCLUSION

The DFFE Screening Tool Report identified thirteen (13) specialists' studies to be conducted, which includes Agricultural Impact Assessment, Landscape/Visual Impact Assessment, Archaeological and Cultural Heritage Impact Assessment, Palaeontology Impact Assessment, Terrestrial Biodiversity Impact Assessment, Aquatic Biodiversity Impact Assessment, Avian Impact Assessment, Civil Aviation Assessment, RFI Assessment, Geotechnical Assessment, Socio-Economic Impact Assessment, Plant Species Assessment and Animal Species Assessment.

The Low sensitivity ratings for the Civil Aviation and Defence theme is confirmed by the site verification report. However, the medium sensitivity rating for the RFI Theme is disputed. This is based on the fact that any related features could not be identified by means of a desktop analysis. However, as the theme is of a medium sensitivity, no unacceptable impact is expected to occur. The relevant stakeholders are being consulted as part of the S&EIR process to obtain comment on the proposed development.