

Appendix C8:
Minutes of Meetings

BIRDLIFE SOUTH AFRICA

**BASIC ASSESSMENT AND
PUBLIC PARTICIPATION PROCESS
FOR THE
GEELSTERT 1 AND GEELSTERT 2 SOLAR PV FACILITIES AND
GEELSTERT GRID CONNECTION NEAR AGGENEYS,
NORTHERN CAPE PROVINCE**

**MEETING NOTES OF MEETING HELD WITH BIRDLIFE SOUTH AFRICA ON
TUESDAY, 29 SEPTEMBER 2020 AT 12H30
VENUE: MICROSOFT TEAMS VIRTUAL PLATFORM**

Meeting notes prepared by:

Reuben Maroga
Savannah Environmental (Pty) Ltd
E-mail: reuben@savannahsa.com

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address*

GEELSTERT 1 AND GEELSTERT 2 SOLAR PV FACILITIES AND GEELSTERT GRID CONNECTION

MEETING ATTENDEES

Name	Organisation	Position
Samantha Ralston (SR)	BirdLife South Africa	
Michael Johnson (MJ)	Atlantic Renewable Energy Partners	Project Manager
Eric Hermann (EH)	3Foxes Biodiversity	Avifauna Specialist
Lisa Opperman (LO)	Savannah Environmental	Environmental Assessment Practitioner
Reuben Maroga (RM)		Environmental Assessment Practitioner

Lisa Opperman (LO) indicated to the attendees that the meeting was to discuss the comments issued by BirdLife South Africa on the proposed Geelstert 1 and 2 PV facilities and the Geelstert Grid Connection projects near Aggeneys in the Northern Cape Project. The comments issued by BirdLife South Africa are attached as **Appendix A**.

Eric Hermann (EH) provided a summary of the findings of the field surveys from the undertaking of the avifauna impact assessments in the area between 2018 and 2020.

DISCUSSION SESSION

Question / Comment	Response
<p>SR indicated that BirdLife South Africa would be comfortable with a situation where the buffer area is wider and the development footprint of the solar PV facilities is moved further north if it is technically feasible to do so. SR further indicated that the main concern was the grid connection corridor, however this could be managed by the Environmental Management Programme (EMPr).</p> <p>SR asked as to who would be responsible for managing the remaining habitat of the Red Larks ?</p>	<p>EH responded to say that it was uncertain what the plans for the area were by the landowner from a management perspective.</p>
<p>SR said that it was important for an agreement to be entered into by the Developer and the landowner to manage a portion of the remaining area as an open space.</p>	<p>LO responded and said that normally the Developer leases a section of the property for the development of the projects only. Therefore, an agreement would need to be reached between the landowner and the Developer to determine who will manage the remaining area as an open space.</p>

	<p>LO indicated that the Open Space Management Plan was included in the EMPr for the projects as an Appendix, however clarity would need to be sought as to what areas could potentially be looked at as part of the open space management for the remaining habitat of the Red Larks.</p>
<p>SR asked whether there was an opportunity to move the grid connection corridor from the area where it is currently proposed ?</p>	<p>LO responded and indicated that the grid connection corridor is located adjacent to the existing Aries-Aggeneis 400kV power line and the idea was for linear infrastructure to be consolidated in the area given the sensitivities present in the area.</p> <p>LO further indicated that another grid connection corridor had been authorised with a similar route to that of the Geelstert projects. This grid connection corridor was for the Aggeneys 1 and Aggeneys 2 solar PV facilities that are located north of the development footprints of the Geelstert PV facilities. LO said that an alternative grid connection corridor was assessed as part of the BA process for the Aggeneys projects and the findings of the impact assessment indicated that the alternative grid connection corridor, located to the north and along the Loop 10 gravel road was not feasible from an environmental perspective.</p> <p>LO indicated that in order to limit the environmental impacts the development of grid infrastructure could pose to the area; the Developer was considering the development of one power line to connect all four projects to the Aggeneis Main Transmission Substation.</p> <p><u>Post meeting note:</u> RM sent SR the Avifauna and Ecology specialist reports on Thursday, 1 October 2020.</p>
<p>MJ indicated in all likelihood one power line would be built to connect all four (4) projects, which will most probably be a double-circuit power line to the Aggeneis MTS. The power</p>	<p>SR indicated that BirdLife South Africa would prefer that a commitment be made to manage the affected habitat in the area for the duration of the projects.</p>

<p>line to connect all four projects would have the capacity of cater for all four projects.</p>	<p>MJ indicated that he would engage his colleagues to find out what the landowner negotiations entailed as he was not part of those discussions initially.</p>
<p>MJ asked whether SR was concerned about the actual footprint of the pylons or the power line in general?</p>	<p>SR indicated that the concern was the footprint of the pylons, although an existing access road would be used.</p> <p>MJ replied to indicate that the footprint of the pylons would be fairly small and bush clearing would be minimal. MJ further indicated that the laydown areas for the power line will be located within the footprint of the solar PV facility.</p>
<p>LO asked what the roles and responsibilities in the comments was referring to?</p>	<p>SR indicated that the roles and responsibilities in the EMPr needed to be defined in order to determine the roles and responsibilities of the landowner and the Developer with regards to the management of the remaining habitat for the Red Larks within the area.</p>
<p>LO asked about the inclusion of the state of the habitat being included as a performance indicator in the EMPr?</p>	<p>SR indicated it would be preferred if the monitoring of the remaining habitat for the Red Larks within the area is included in the EMPr as a performance indicator so that changes to the habitat are identified.</p>
<p>LO asked about the comment regarding the no argumentation of vegetation being permitted within the surrounding area?</p>	<p>SR replied and said that the Red Larks had specific habitat so the dune habitat should not be vegetated as a measure of dust suppression.</p>
<p>EH asked whether BirdLife South Africa was doing checks on the surrounding areas to ensure other surrounding landowners take responsibility for the management of the surrounding habitat for the Red Larks?</p> <p>EH asked whether it was possible for a site visit to the sites for the Geelstert projects?</p>	<p>SR replied and indicated BirdLife South Africa required capacity to look into the management of these areas in the Northern Cape. However, the comment was noted.</p> <p>SR replied and said that it would be possible to undertake the site visit in Aggeneys. LO replied and said that the undertaking of the site visit would be arranged once costs were confirmed with the Developer.</p> <p>LO further indicated that a formal response to the comments would be submitted to BirdLife for their consideration along with the minutes of the meeting.</p>

CLOSURE

Lisa Opperman thanked the attendees for their valuable inputs and closed the meeting at 12h57.

LANDOWNERS

**BASIC ASSESSMENT AND
PUBLIC PARTICIPATION PROCESS
FOR THE
GEELSTERT 1 AND GEELSTERT 2 SOLAR PV FACILITIES AND
GEELSTERT GRID CONNECTION NEAR AGGENEYS,
NORTHERN CAPE PROVINCE**

**MEETING NOTES OF FOCUS GROUP MEETING HELD WITH LANDOWNERS
ON WEDNESDAY, 09 SEPTEMBER 2020 AT 09H00
VENUE: MS TEAMS VIRTUAL PLATFORM**

Meeting notes prepared by:

Nicolene Venter
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

***Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address***

GEELSTERT 1 AND GEELSTERT 2 SOLAR PV FACILITIES AND GEELSTERT GRID CONNECTION

MEETING ATTENDEES

Name	Organisation	Position
Mr Pieter Venter	Vedanta Resources	Environmental Manager
Koos Smit		
Albertus Roux	Blomhoek Please (Pty) Ltd	Property Owner
Michael Johnson	Atlantic Renewable Energy Partners	Project Manager
Ms Lisa Opperman	Savannah Environmental	Environmental Assessment Practitioner
Ms Nicolene Venter		Public Participation Co-ordinator

A narrated presentation was distributed via e-mail to the attendees prior to the Focus Group Meeting. The attendees were also directed to the public participation platform where the presentation can be accessed and/or downloaded. A copy of the slides presented during the virtual meeting, which was conducted in Afrikaans, is attached as **Appendix A**.

Attendees were requested to register their attendance by introducing themselves by submitting their names and affiliation on the chat function of MS Teams, as well as doing a verbal introduction. None of the attendees submitted their registration on the chat function of MS Teams, however, the above table represents the attendees present at the on-line meeting

Lisa Opperman informed the attendees that comments can be submitted on the chat function and verbally during the meeting and advised that any additional comments after the meeting can be submitted via e-mail, WhatsApp or SMS to the public participation office. She provided a summary of the narrated presentation to all attendees and opened the floor for questions and comments.

DISCUSSION SESSION

Question / Comment	Response
Pieter Venter informed the team that Vedanta Resources is in the planning stage of expanding their operations and with this, the power line connection to Eskom's Aggeneis Substation will be upgraded. The permission granted for the upgrade / additional power lines for the mine has not been done but will form part of their current expansion plans at the mine. This upgrade / additional power lines need to be taken into consideration by the developer.	Lisa Opperman and Michael Johnson acknowledged the information received regarding the expansion of the grid connection infrastructure from the mine to the Aggeneis Main Transmission Substation. The applicant will engage with the mine should this be required at the time of finalisation and development of the power lines.
Pieter Venter advised the project team that the developer needs to obtain confirmation	It was noted by the project team that confirmation must be obtained from Eskom regarding the capacity of the MTS. This will be

that there is sufficient capacity at Eskom's Aggeneis Substation.	undertaken by the applicant prior to construction.
<p>Pieter Venter indicated that the proposed power line corridor traversing Vedanta Resources' antelope camp which has a high content of quartzite.</p> <p>As the area is part of Vedanta Resources biodiversity off-set, the area needs to be preserved and disturbance of the ecology cannot be allowed.</p>	<p>The concern raised was noted by the project team. It was advised that an Ecological Impact Assessment was undertaken for the grid connection and no fatal flaws or impacts of a high significance were identified.</p> <p>Post meeting note: Comments received from the Northern Cape Department of Environment and Nature Conservation confirms that the grid connection corridor does not traverse any biodiversity offsets.</p>
Pieter Venter reiterated that disturbance of the biodiversity in the area i.e. quartzites, calcretes, succulents, etc cannot be allowed.	The concern raised was noted by the project team. It was advised that an Ecological Impact Assessment was undertaken for the grid connection and no fatal flaws or impacts of a high significance were identified.
Pieter Venter requested that the proposed power lines be constructed parallel to the existing power lines to avoid various criss-cross of power lines.	Lisa Opperman confirmed that, at this stage, it is proposed that the power line infrastructure will run parallel to the existing Aries-Aggeneis 400kV power line. It is also being considered to have a consolidated power line infrastructure to avoid or mitigate any possible negative impacts on the environment.
Albertus Roux enquire whether Vedanta Resources approves these types of developments adjacent to their mining activities.	Pieter Venter confirmed that the mine does not have any concerns regarding these type of developments on neighbouring properties and has a positive approach to this type of developments.
Nicolene Venter enquired whether the written comments from Vedanta Resources will be consolidated or will various departments submit separate written comments on the Basic Assessment Reports.	Koos Smit confirmed that Vedanta Resources will submit consolidated comments on the Basic Assessment Reports.

CLOSURE

Lisa Opperman thanked the attendees for their valuable inputs into the Basic Assessment processes. The meeting was closed at 09h45.

NAMAKWA DISTRICT MUNICIPALITY

**BASIC ASSESSMENT AND
PUBLIC PARTICIPATION PROCESS
FOR THE
GEELSTERT 1 AND GEELSTERT 2 SOLAR PV FACILITIES AND
GEELSTERT GRID CONNECTION NEAR AGGENEYS,
NORTHERN CAPE PROVINCE**

**MEETING NOTES OF AUTHORITY FOCUS GROUP MEETING HELD WITH
NAMAKWA DISTRICT MUNICIPALITY
HELD ON WEDNESDAY, 09 SEPTEMBER 2020 AT 11H30
VENUE: MS TEAMS VIRTUAL PLATFORM**

Meeting notes prepared by:

Nicolene Venter
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

***Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address***

GEELSTERT 1 AND GEELSTERT 2 SOLAR PV FACILITIES AND GEELSTERT GRID CONNECTION

MEETING ATTENDEES

Name	Organisation	Position
Mr Chris Fortuin	Namakwa District Municipality	Municipal Manager
Michael Johnson	Atlantic Renewable Energy Partners	Project Manager
Ms Lisa Opperman	Savannah Environmental	Environmental Assessment Practitioner
Ms Nicolene Venter		Public Participation Co-ordinator

A narrated presentation was distributed via e-mail to the attendees prior to the Focus Group Meeting. The attendee was also directed to the public participation platform where the presentation can be accessed and/or downloaded. A copy of the slides presented during the virtual meeting is attached as **Appendix A**.

Mr Fortuin was requested to register his attendance by submitting his name on the chat function of MS Teams, as well as verbally at the start of the presentation. The above table represents the attendee's present at the on-line meeting.

Lisa Opperman informed Mr Fortuin that he can submit written comments on the chat function and verbally during the meeting and advised that any additional comments after the meeting can be submitted via e-mail, WhatsApp or SMS to the public participation team. She provided a summary of the narrated presentation and opened the floor for questions and comments.

DISCUSSION SESSION

Question / Comment	Response
Mr Fortuin requested whether cumulative impacts are being considered as there is an operating solar plant opposite the Geelstert PV sites, south of the N14.	Lisa Opperman responded that cumulative impacts were assessed, and the outcome is included in the BA Report.
Mr Fortuin informed the project team that there is a game reserve adjacent to the farm Bloemhoek and asked whether this project will have a negative impact on the game reserve.	Lisa Opperman responded the game reserve is part of Vedanta Resource's off-set plans and that the proposed PV developments and grid connection will not impact negatively on the game reserve.
Mr Fortuin informed the project team that there is an application lodged and negotiations are currently underway for establishing a Social Development Zone north of the N14 towards Gamsberg.	Lisa Opperman acknowledged and thanked Mr Fortuin for the information provided.

<p>Mr Fortuin asked whether the Department of Agriculture submitted any objections to this proposed development.</p>	<p>Lisa Opperman responded that the soil study indicated that the area does not have a high agricultural potential and that PVs will best suit the utilisation of the land.</p> <p><u>Post-meeting note:</u> A meeting was held on 8 September 2020 with the Provincial Department of Environment, Forestry and Fisheries (DEFF) as represented by Ms Jacoline Mans and this matter was not raised as a concern.</p>
--	---

CLOSURE

Lisa Opperman thanked the attendees for their valuable inputs into the Basic Assessment processes. The meeting was closed at 11h30.

NORTHERN CAPE DEPARTMENT OF
AGRICULTURE, FORESTRY AND FISHERIES

**BASIC ASSESSMENT AND
PUBLIC PARTICIPATION PROCESS
FOR THE
GEELSTERT 1, 2 AND GEELSTERT GRID CONNECTION,
NORTHERN CAPE PROVINCE**

**MEETING NOTES OF FOCUS GROUP MEETING HELD WITH NORTHERN CAPE
DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES
HELD ON TUESDAY, 08 SEPTEMBER 2020 AT 12H00
VENUE: ZOOM VIRTUAL PLATFORM**

Meeting notes prepared by:

Ronald Baloyi
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

***Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address***

GEELSTERT 1, 2 AND GEELSTERT GRID CONNECTION, NORTHERN CAPE PROVINCE

MEETING ATTENDEES

Name	Organisation	Position
Michael Johnson	Atlantic Energy Partners	Project Manager
Jacoline Mans	Northern Cape Department of Agriculture, Forestry and Fisheries (DAFF)	Chief Forester: National Forest Act
Mr Reuben Maroga	Savannah Environmental	Environmental Assessment Practitioner
Mr Ronald Baloyi		Public Participation Co-ordinator and Administrator

A narrated presentation, in English, was distributed via e-mail to the attendees prior to the Focus Group Meeting. The attendees were also directed to the public participation platform where the presentation can be accessed and/or downloaded. A copy of the slides presented during the virtual meeting is attached as **Appendix A**.

Attendees were requested to register their attendance by introducing themselves by submitting their names and roles at the various organisations on the chat function of Zoom, as well as doing a verbal introduction. The above table represents the attendees present at the on-line meeting

Reuben Maroga informed the attendees that comments can be submitted on the chat function and verbally during the meeting and advised that any additional comments after the meeting can be submitted via e-mail, WhatsApp or SMS to the public participation office. Reuben Maroga provided a summary of the narrated presentation to all attendees and opened the floor for questions and comments.

DISCUSSION SESSION

Question / Comment	Response
Ms Mans asked what the extent of the projects are?	Reuben Maroga said the development footprint, the actual area to be disturbed by the development of Geelstert 1 and Geelstert 2 would approximately be 245ha and 240ha.
Ms Mans asked if the Ecological Impact Assessment was completed.	Reuben Maroga stated that the Ecological Impact Assessments were undertaken for all three (3) projects and would be sent to Ms Mans. Post Meeting Note:

	Reuben Maroga sent the three (3) Ecological Impact Assessments to Ms Mans via email on 9 September 2020.
Ms Mans asked if specialists were sent to assess the area?	Reuben Maroga confirmed that specialist undertook field surveys for the development footprints of each of the solar PV facilities as well as the entire extent of the Geelstert Grid Connection corridor.
Ms Mans indicated that she had no further questions, however comments from her department will be submitted to the Public Participation team.	

CLOSURE

Reuben Maroga thanked the attendee for her valuable inputs into the Basic Assessment processes. The meeting was closed at 13h00.

Appendix A Presentation

NOTHERN CAPE DEPARTMENT OF
AGRICULTURE, ENVIRONMENTAL AFFAIRS,
LAND REFORMED AND RURAL DEVELOPMENT

**BASIC ASSESSMENT AND
PUBLIC PARTICIPATION PROCESS
FOR THE
GEELSTERT 1, 2 AND GEELSTERT GRID CONNECTION,
NORTHERN CAPE PROVINCE**

**MEETING NOTES OF FOCUS GROUP MEETING HELD WITH THE NORTHERN
CAPE DEPARTMENT OF AGRICULTURE, ENVIRONMENTAL AFFAIRS, LAND
REFORM AND RURAL DEVELOPMENT
HELD ON TUESDAY, 08 SEPTEMBER 2020 AT 09H00
VENUE: MICROSOFT TEAMS VIRTUAL PLATFORM**

Meeting notes prepared by:

Ronald Baloyi
Savannah Environmental (Pty) Ltd
E-mail: publicprocess@savannahsa.com

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address*

GEELSTERT 1, 2 AND GEELSTERT GRID CONNECTION, NORTHERN CAPE PROVINCE

MEETING ATTENDEES

Name	Organisation	Position
Michael Johnson	Atlantic Energy Partners	Project Manager
Aviwe Nyakaza	DENC	Impact Manager
Pieter Cloete		Research Development Officer
Mr Reuben Maroga	Savannah Environmental	Environmental Assessment Practitioner
Ms Nicolene Venter		Public Participation & Social Consultant
Mr Ronald Baloyi		Public Participation Co-ordinator and Administrator

A narrated presentation, in English, was distributed via e-mail to the attendees prior to the Focus Group Meeting. The attendees were also directed to the public participation platform where the presentation can be accessed and/or downloaded. A copy of the slides presented during the virtual meeting is attached as **Appendix A**.

Attendees were requested to register their attendance by introducing themselves by submitting their names and roles at DENC on the chat function of MS Teams, as well as doing a verbal introduction. The above table represents the attendees present at the on-line meeting.

Reuben Maroga informed the attendees that comments can be submitted on the chat function and verbally during the meeting, and advised that any additional comments after the meeting can be submitted via e-mail, WhatsApp or SMS to the public participation office. Reuben Maroga provided a summary of the narrated presentation to all attendees and opened the floor for questions and comments.

DISCUSSION SESSION

Question / Comment	Response
Mr Cloete stated that there are two prior applications already approved within the area, and asked if the current project resonates with these.	Reuben Maroga indicated that the applications he was referring to were for the Aggeney 1 and Aggeney 2 solar PV facilities, which are proposed on the same property as the Geelstert solar PV facilities, Remaining Extent of the Farm Bloemhoek 61. Reuben Maroga further indicated that the projects had been authorised by the Department of Environment, Forestry and Fisheries in 2019 and indicated that the current projects resonate with the authorised Aggeney 1 and Aggeney 2 projects.

<p>Mr Cloete enquired how close the projects were to habitat of the Red Lark species.</p>	<p>Reuben Maroga advised that a buffer of 250m will be implemented between the development footprint of each of the projects and the dune habitat utilised by the Red Lark. He further indicated that the development footprint for the projects was located outside the dune habitat and no infrastructure would be developed within the buffer area or the dune habitat.</p>
<p>Mr Cloete asked which specialist was responsible for the avifauna assessments.</p>	<p>Reuben Maroga indicated that Mr Eric Hermann from 3Foxes Biodiversity had undertaken the Avifauna Impact Assessments for the Geelstert projects, and had also completed the studies for the Aggeneys PV projects.</p>
<p>Mr Cloete asked if the project being located within an area considered by the mine as biodiversity offsets.</p>	<p>Reuben Maroga indicated that the projects are located outside areas that are currently being managed or considered as Biodiversity Offsets by Black Mountain Mine (BMM) as part of the Gamsberg Mine project. He further indicated that the project team had engaged BMM to confirm that the property under consideration for the development of the Geelstert solar PV facilities was not being considered by the mine as a biodiversity offset.</p> <p>Post Meeting Note: Reuben Maroga sent proof of correspondence on 17 September to Mr Cloete where it was confirmed by BMM that the projects are located outside areas considered for biodiversity offsets.</p>
<p>Mr Aviwe Nyakaza asked if additional infrastructure required for the project was considered and whether applications for Environmental Authorisation would be submitted to the Northern Cape Department of Agriculture, Environmental Affairs, Rural Development and Land Reform ?</p>	<p>Reuben Maroga indicated that all the infrastructure required for each of the projects would be included in the Application for Environmental Authorisation, as one single application. As the proposed projects are located within a Renewable Development Zone (REDZ), a Basic Assessment was required in accordance with GNR114. As a result, all the infrastructure required for each of the projects would be applied for in the applications to be</p>

	submitted to the Department of Environment, Forestry and Fisheries (DEFF).
Nicolene Venter asked if Peter Cloete can confirm that DENC has changed its name?	Mr Cloete confirmed that the DENC changed its name to Department of Agriculture, Environmental Affairs, Rural Development and Land Reform.
Nicolene Venter asked if we will receive comments for this project?	Mr Cloete responded and said comments from DENC on the projects would be submitted.
Mr Cloete asked if an authority site visit is planned.	Reuben Maroga indicated that should the Case Officer from the Department of Environment, Forestry and Fisheries (DEFF) request a Case Officer, an invitation would be extended to Mr Cloete to be part of the site visit inspection. Post Meeting Note: Reuben Maroga engaged the Case Officer, Thulisile Nyalunga on the projects on 16 September 2020 and she indicated that they were not permitted to attend site visits during the lockdown as a result of the COVID-19 restrictions.
Mr Cloete indicated that comments from his department will be sent to the Public Participation team.	

CLOSURE

Reuben Maroga thanked the attendees for their valuable inputs into the Basic Assessment processes. The meeting was closed at 10h30.

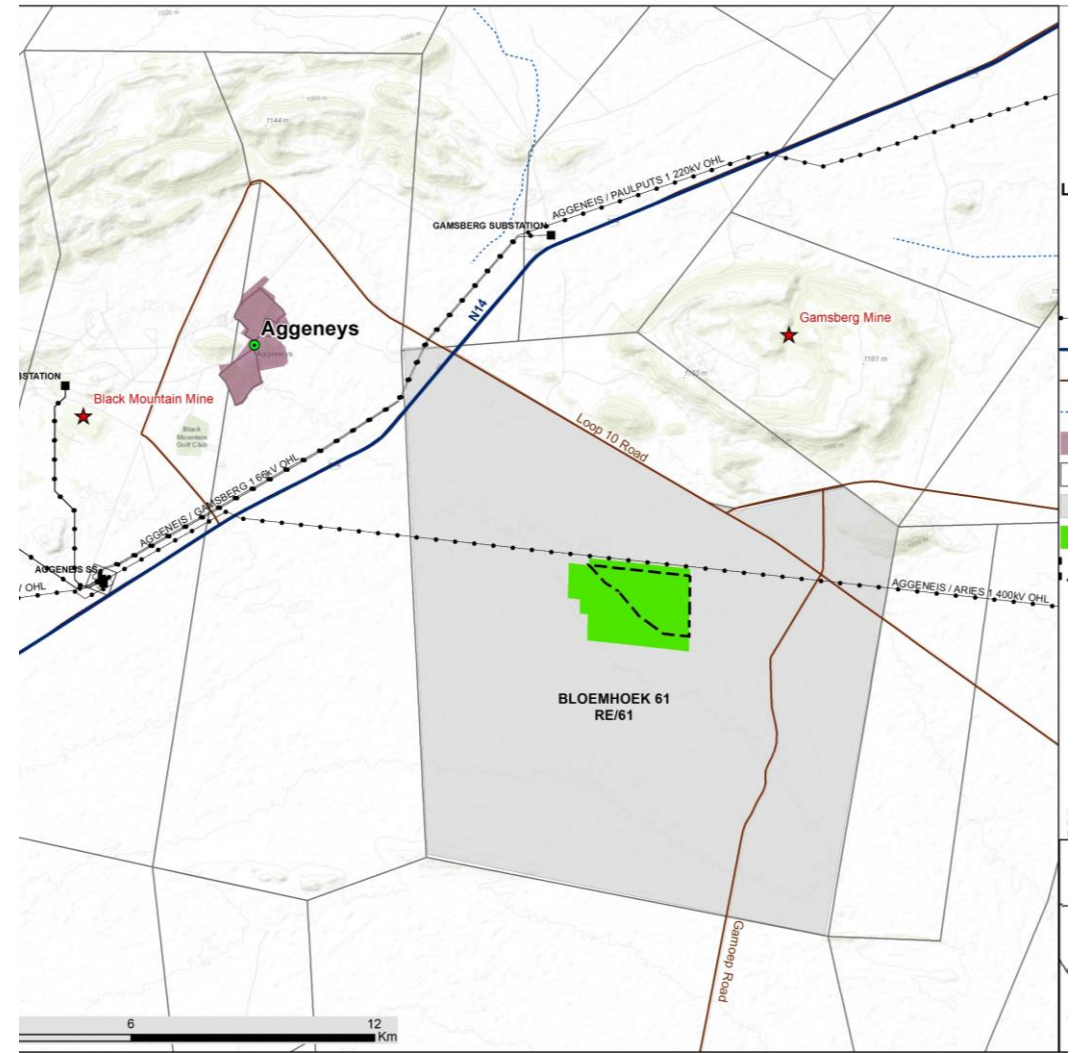
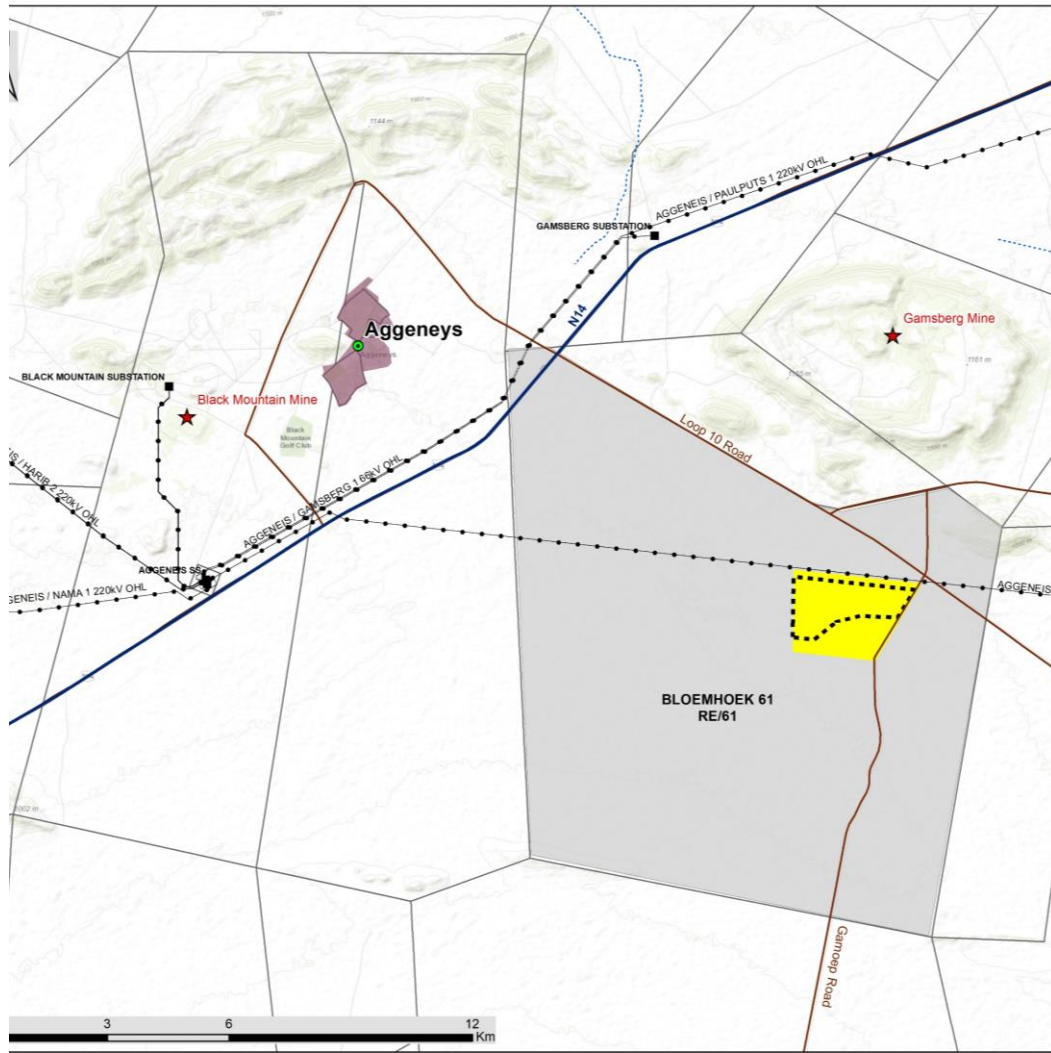
Appendix A Presentation

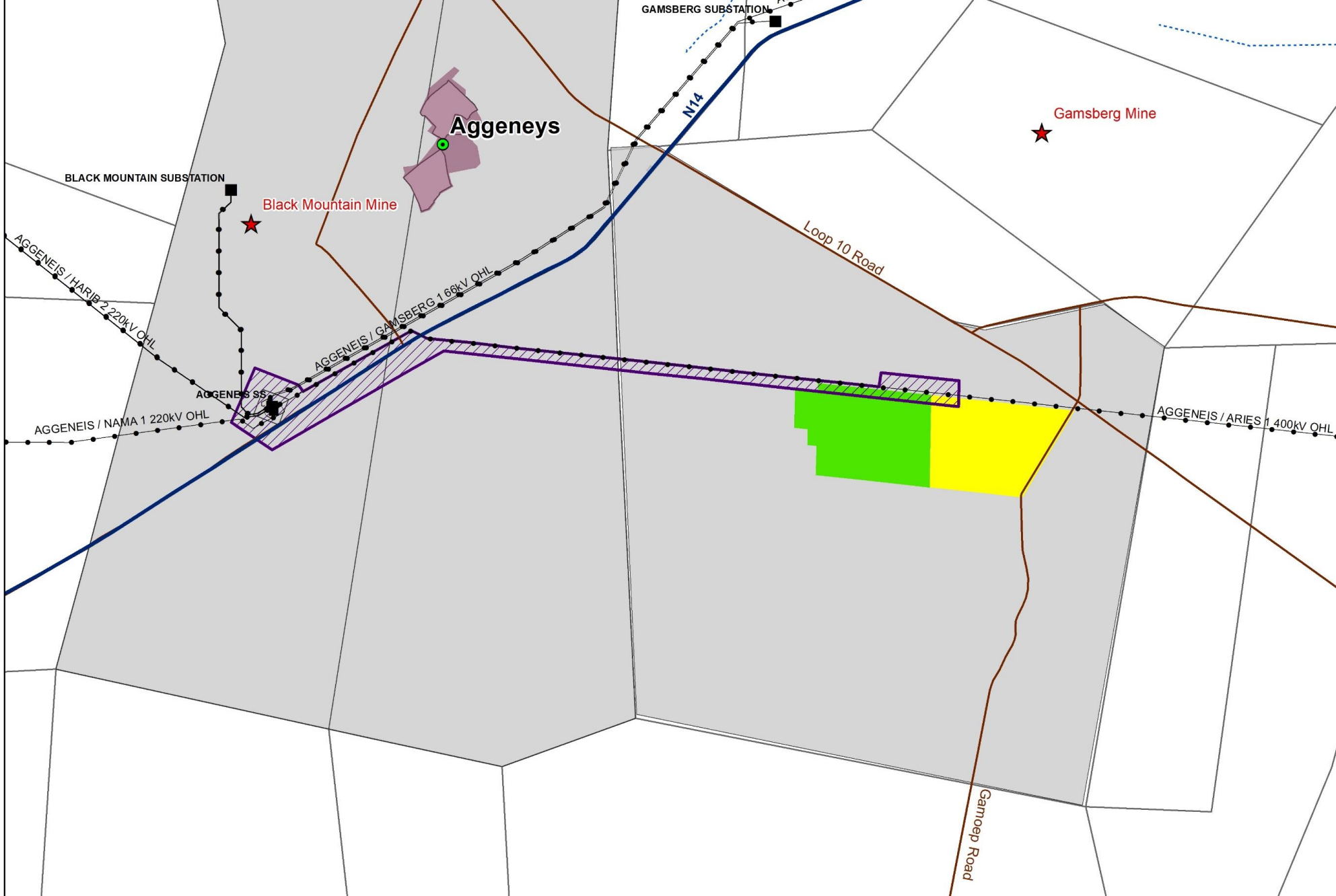
Geelstert 1, Geelstert 2 & Geelstert Grid Connection, Northern Cape

Public Participation Presentation
September 2020

AGENDA

- Welcome
- Introduction of attendees
- Meeting Conduct
- Purpose of the Meeting
- Introduction and Project Description
- Maps
- Results

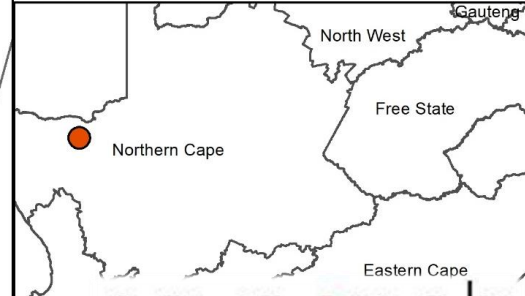




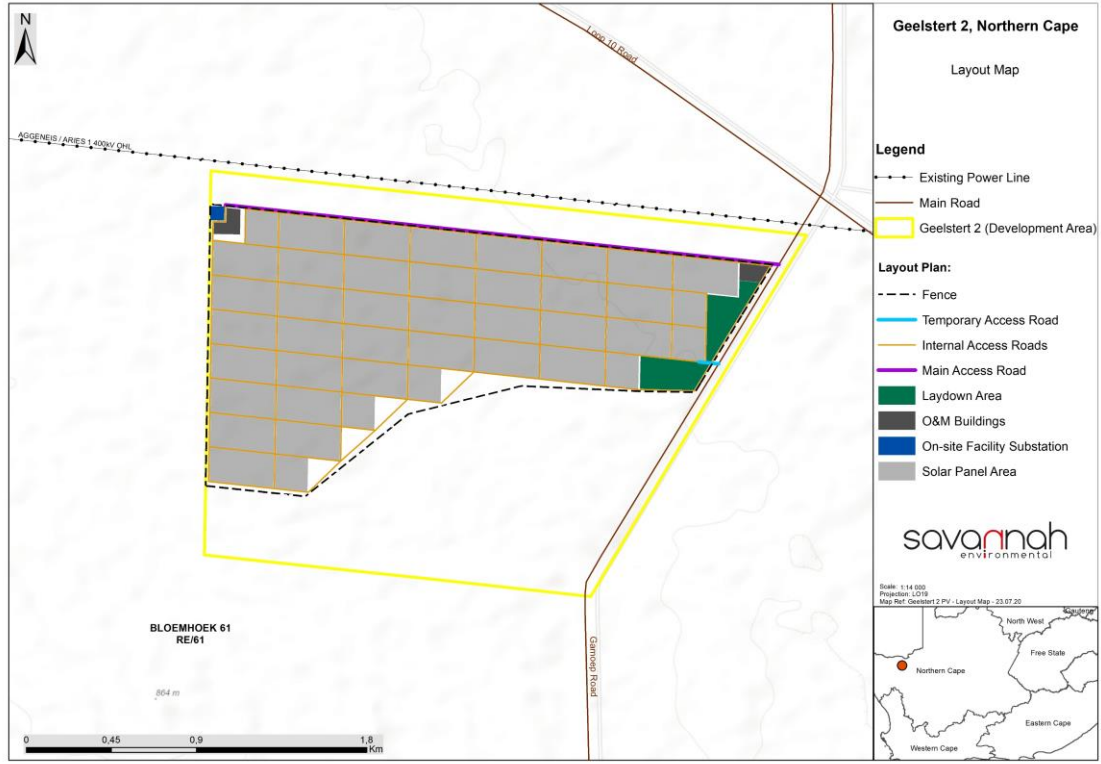
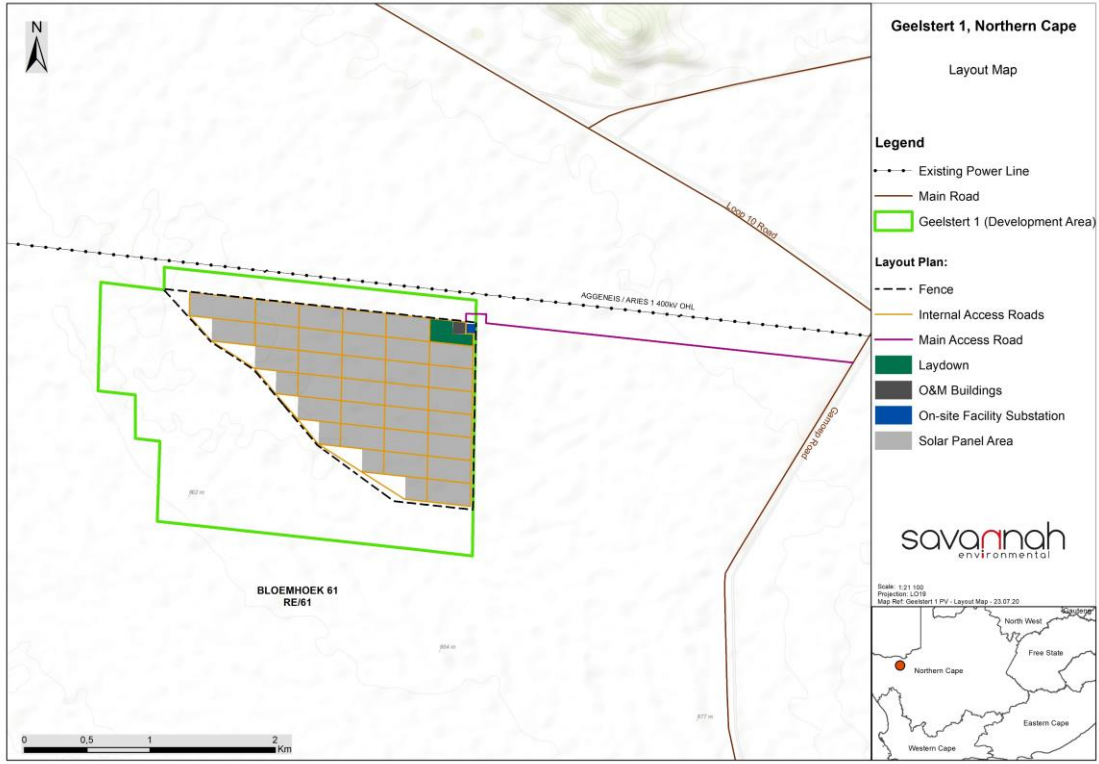
- Town
- ★ Mining Operations
- Eskom Substation
- Existing Power Line
- National Road
- Main Road
- - - Non-perennial River
- Residential Area
- Farm Portion
- Geelstert 1 (PV Facility)
- Geelstert 2 (PV Facility)
- Affected Property
- Geelstert Grid Connection corridor (up to 2km wide)

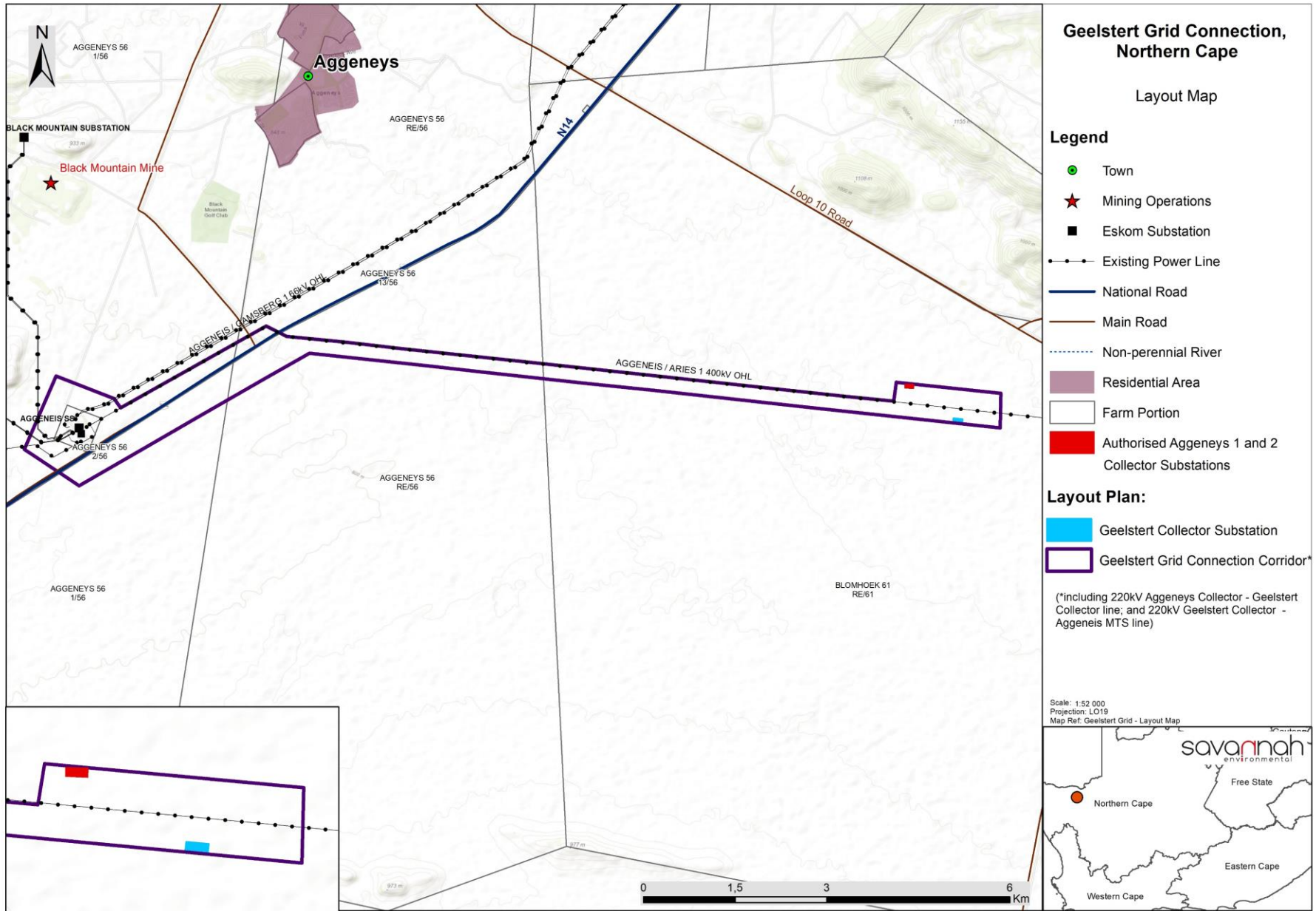
savannah
environmental

Scale: 1:90 200
Projection: LO19
Map Ref: Geelstert Grid - Locality Map



savannah
environmental





**Geelstert Grid Connection,
Northern Cape**

Layout Map

Legend

- Town
- ★ Mining Operations
- Eskom Substation
- Existing Power Line
- National Road
- Main Road
- ⋯ Non-perennial River
- Residential Area
- Farm Portion
- Authorised Aggeneys 1 and 2 Collector Substations

Layout Plan:

- Geelstert Collector Substation
- Geelstert Grid Connection Corridor*

(*including 220kV Aggeneys Collector - Geelstert Collector line; and 220kV Geelstert Collector - Aggeneys MTS line)

Scale: 1:52 000
Projection: LO19
Map Ref: Geelstert Grid - Layout Map



Geelster 1, Northern Cape

Layout and Environmental Sensitivity Map



Legend

- Existing Power Line
- Geelster 1 (Development Area)
- Layout Plan:**
- Fence
- Internal Access Roads
- Main Access Road
- Laydown
- O&M Buildings
- On-site Facility Substation
- Solar Panel Area

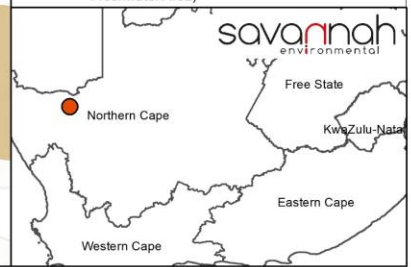
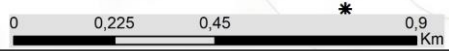
Environmental Sensitivities:

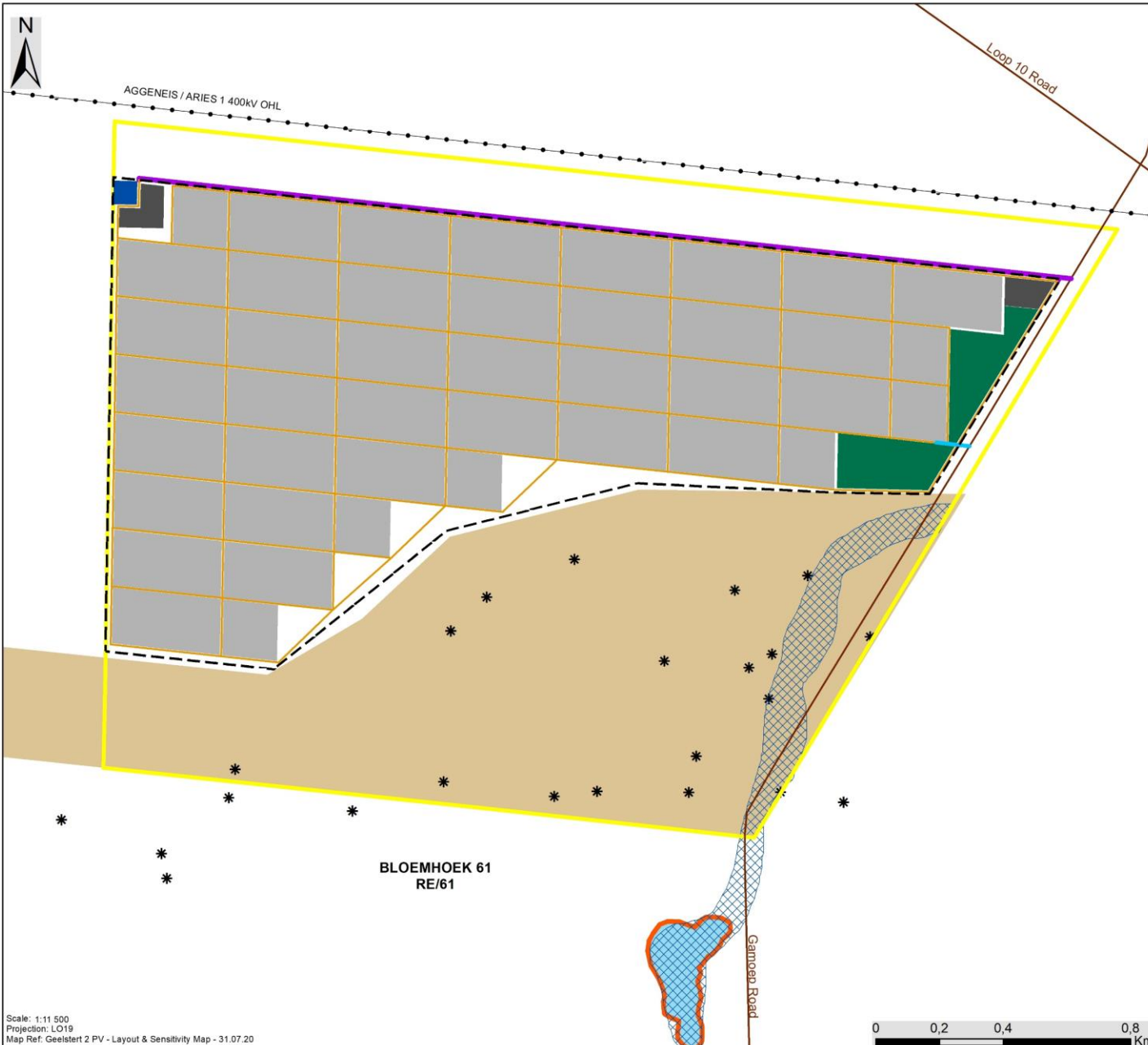
- Red Lark Sightings
- Red Lark Habitat (High Avifauna Sensitivity)
- Pan (Very High Avifauna Sensitivity and High Ecological Sensitivity)
- Depression Wetland (No-Go Freshwater Area)
- Depression Wetland (15m Buffer) (No-Go Freshwater Area)
- Dune Habitat (Very High Avifauna and High Ecological Sensitivity)
- Large Ephemeral Stream (No-Go Freshwater Area)
- Large Ephemeral Stream (35m Buffer) (No-Go Freshwater Area)



BLOEMHOEK 61
RE/61

Scale: 1:10 000
Projection: LO19
Map Ref: Geelster 1 PV - Layout & Sensitivity Map - 31.07.20





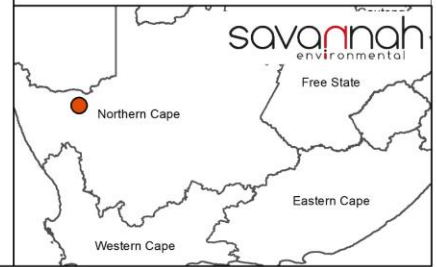
Geelster 2, Northern Cape

Layout and Environmental Sensitivity Map

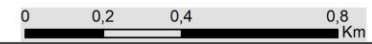
- Legend**
- Existing Power Line
 - Main Road
 - ▭ Geelster 2 (Development Area)

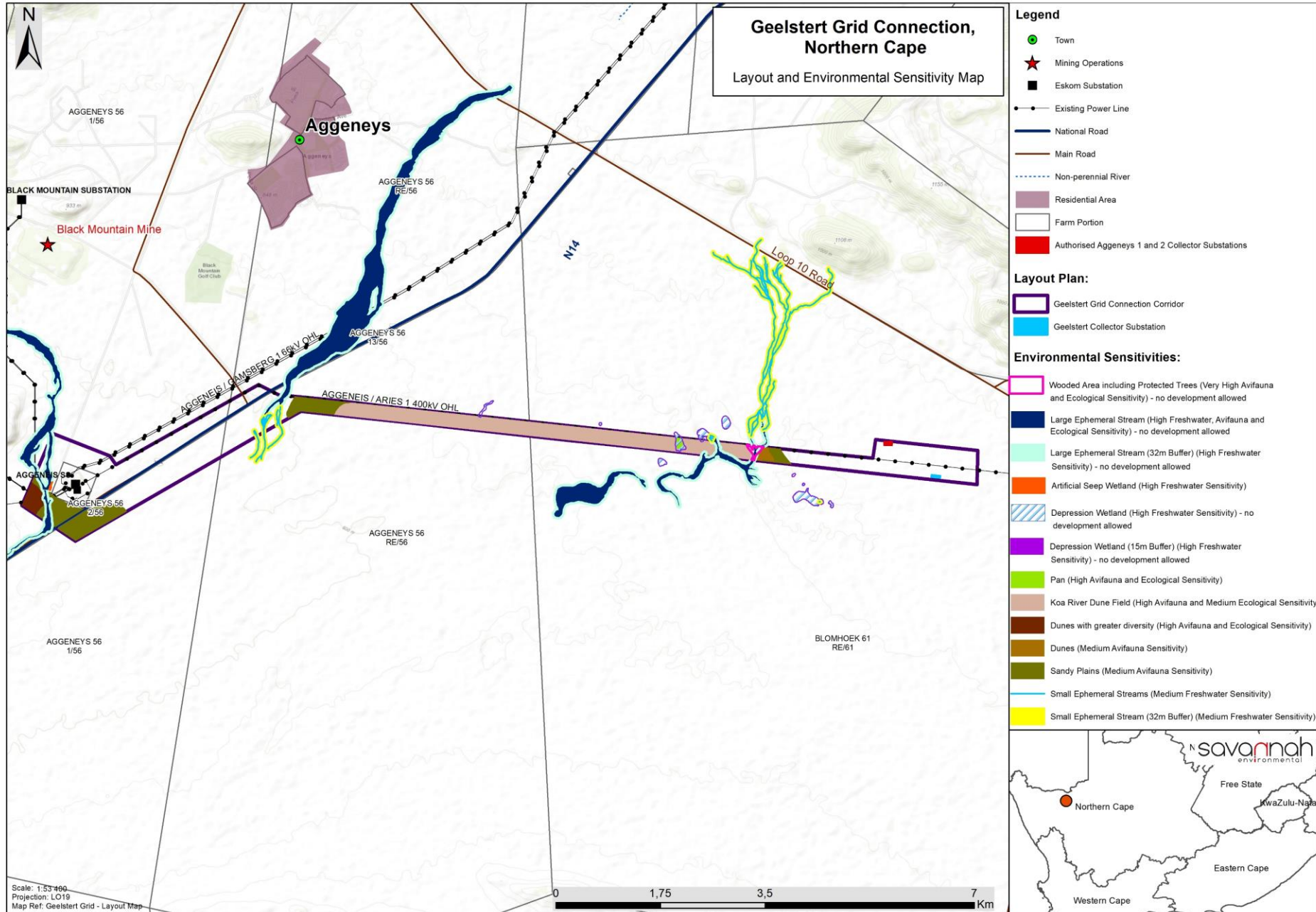
- Layout Plan:**
- - - Fence
 - Temporary Access Road
 - Internal Access Roads
 - Main Access Road
 - ▭ Laydown Area
 - ▭ O&M Buildings
 - ▭ On-site Facility Substation
 - ▭ Solar Panel Area

- Environmental Sensitivities:**
- * Red Lark Sightings
 - ▭ Red Lark Habitat (High Avifauna Sensitivity)
 - ▭ Wash (High Ecological Sensitivity)
 - ▭ Depression Wetland (Medium Freshwater Sensitivity)
 - ▭ Depression Wetland (15m Buffer) (Medium Freshwater Sensitivity)



Scale: 1:11 500
 Projection: LO19
 Map Ref: Geelster 2 PV - Layout & Sensitivity Map - 31.07.20





**Geelstert Grid Connection,
Northern Cape**
Layout and Environmental Sensitivity Map

- Legend**
- Town
 - ★ Mining Operations
 - Eskom Substation
 - Existing Power Line
 - National Road
 - Main Road
 - Non-perennial River
 - Residential Area
 - Farm Portion
 - Authorised Aggeneys 1 and 2 Collector Substations
- Layout Plan:**
- Geelstert Grid Connection Corridor
 - Geelstert Collector Substation
- Environmental Sensitivities:**
- Wooded Area including Protected Trees (Very High Avifauna and Ecological Sensitivity) - no development allowed
 - Large Ephemeral Stream (High Freshwater, Avifauna and Ecological Sensitivity) - no development allowed
 - Large Ephemeral Stream (32m Buffer) (High Freshwater Sensitivity) - no development allowed
 - Artificial Seep Wetland (High Freshwater Sensitivity)
 - Depression Wetland (High Freshwater Sensitivity) - no development allowed
 - Depression Wetland (15m Buffer) (High Freshwater Sensitivity) - no development allowed
 - Pan (High Avifauna and Ecological Sensitivity)
 - Koa River Dune Field (High Avifauna and Medium Ecological Sensitivity)
 - Dunes with greater diversity (High Avifauna and Ecological Sensitivity)
 - Dunes (Medium Avifauna Sensitivity)
 - Sandy Plains (Medium Avifauna Sensitivity)
 - Small Ephemeral Streams (Medium Freshwater Sensitivity)
 - Small Ephemeral Stream (32m Buffer) (Medium Freshwater Sensitivity)

Scale: 1:53 400
Projection: LO19
Map Ref: Geelstert Grid - Layout Map



RESULTS & CONCLUSION

Specialist Field	Impact Significance (incl. mitigation)	
	Construction Phase	Operation Phase
Ecology	Medium and Low	Low
Avifauna	Medium	Low
Freshwater	Low	Low
Soils and Agricultural Potential	Low	Low
Heritage Resources	Low	Low
Visual	Low	Low
Social	Positive: Medium	Positive: Medium and High
	Negative: Low	Negative: Low
Traffic	Low	Low

Specialist Field	Impact Significance (incl. mitigation)	
	Construction Phase	Operation Phase
Ecology	Low	Low
Avifauna	Low	Low
Freshwater	Low	Low
Soils and Agricultural Potential	Low	Low
Heritage Resources	N/A	N/A
Visual	Low	Low
Social	Positive: Medium	Positive: Low
	Negative: Low	Negative: Low

WHO TO CONTACT

Savannah Environmental (Pty) Ltd

Nicolene Venter

Email: publicprocess@savannahsa.com

PO Box 148, Sunninghill, 2157

Tel: 011 656 3237

Mobile: 060 978 8396

Fax: 086 684 0547

www.savannahSA.com