



**PREPARED FOR:**

Eskom: Environmental screening for  
distribution activities

Prepared By: Green-Box Consulting  
[www.green-box.co.za](http://www.green-box.co.za)

# ENVIRONMENTAL SCREENING – ADDITIONAL INFORMATION

22kVa Electricity line, on the Farm  
2/142, Kareevlei, Northern Cape

## **1. INTRODUCTION**

A 22kVa electricity line is planned for Kareevlei Mine, Mr D de Kock, and will stretch on portion 2 of the farm 142, situated in Northern Cape.

The line will be approximately 900m in length. The Eskom's Distribution Environmental Screening Document has been completed for this proposed line. This document contains associated information pertaining the development of the 22kVa line.

Green-Box Consulting was appointed to consolidate all relevant information and present the information to Eskom.

This document also serves to present information to the SAHRA in terms of Section 38 (1) in order to confirm no important cultural heritage along the proposed line. A site inspection of the proposed line route revealed no important cultural heritage resources or graves found on or near the route of the proposed line.

Included in this document the following:

1. Distribution Environmental Screening Document;
2. Span Plan (Site Map);
3. Site photos;
4. 1:50 000 topo cadastral location map;
5. Elevation map;
6. Environmental sensitivity map (NC Biodiversity Plan);
7. DEFF Screening report

# **DISTRIBUTION ENVIRONMENTAL SCREENING DOCUMENT**

See attached separate document

**SPAN PLAN (SITE MAP)**







# Site Map: Proposed Kareevlei Powerline



## Map Legend

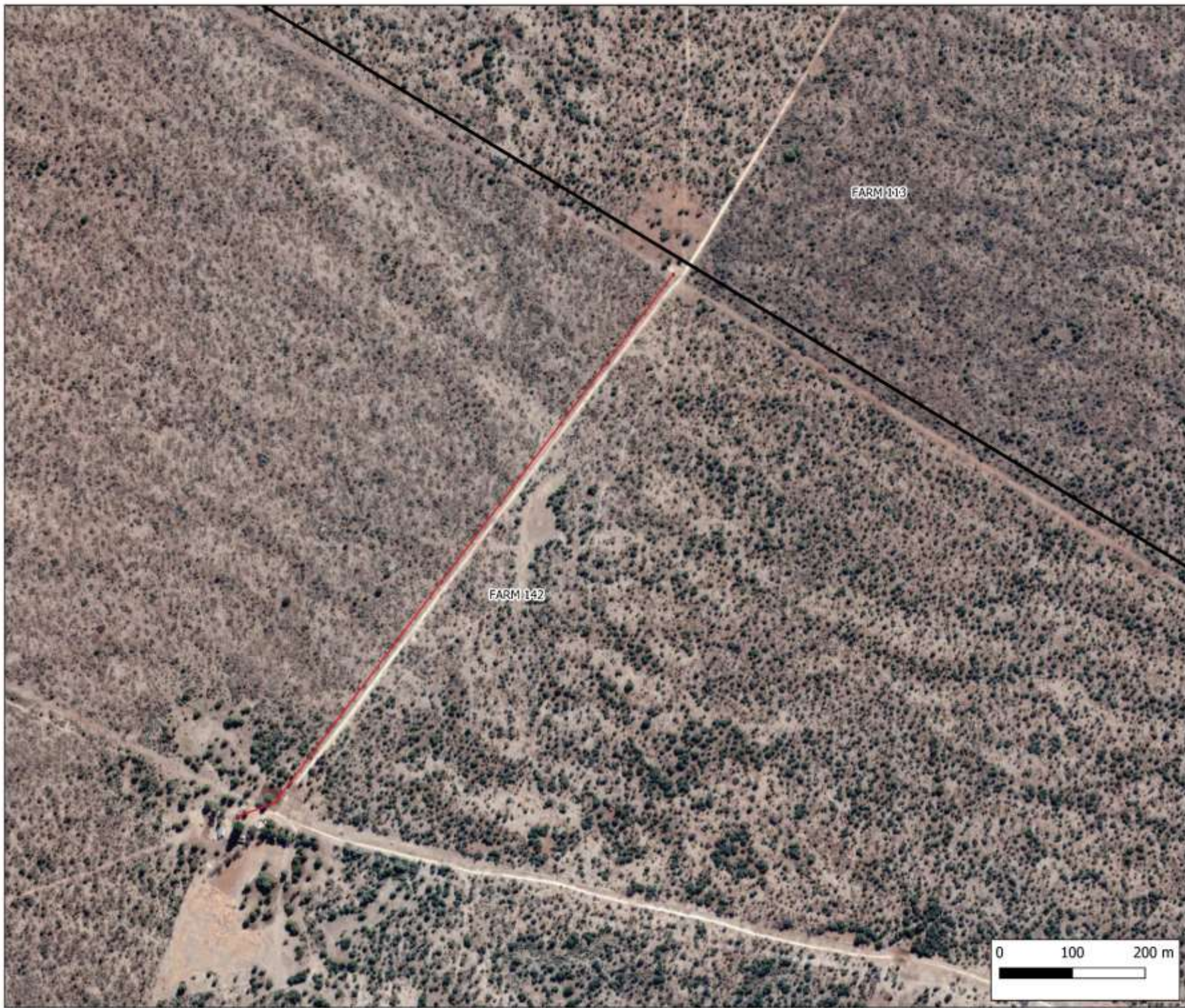
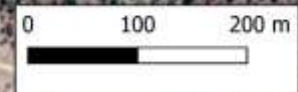
-  Parent farms\_polygons
-  Proposed Electricity Line

QGIS 3.16.2-Hannover

18 March 2021



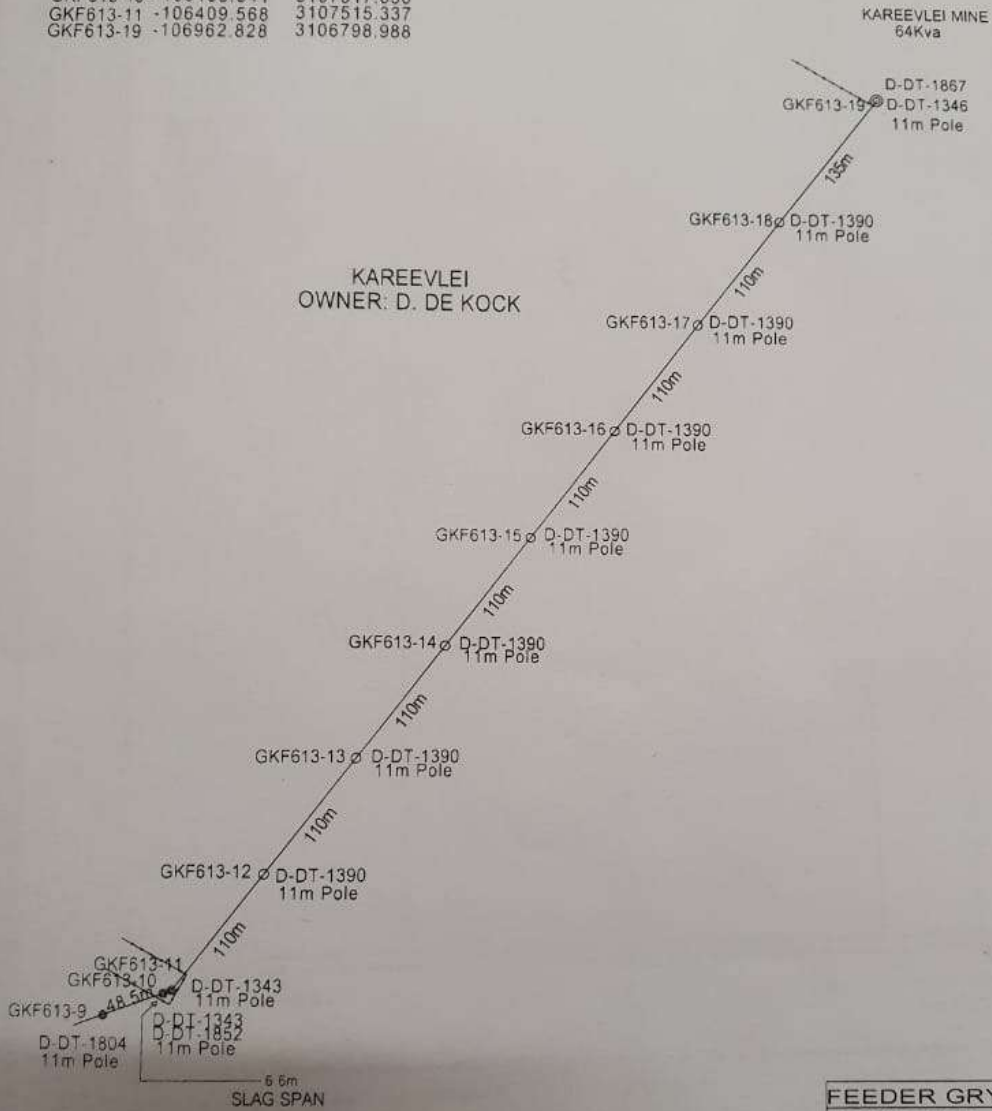
**GREEN-BOX**  
CONSULTING





WG23

POLE	Y	X
GKF613-9	-106357.672	3107534.085
GKF613-10	-106403.341	3107517.630
GKF613-11	-106409.568	3107515.337
GKF613-19	-106962.828	3106798.988



FEEDER GRYPPOORT KLIP-FONTEIN				11KV
FOX	SQUIRREL	HARE	MINK	
960m				
PAGE 1 OF 1				
KAREEVLEI MINING				
DISTRIBUTION NORTHERN CAPE OPERATING UNIT				
SCALE 1 : 5000 WG 23				
SURVEY BY:- GS SURVEY				
TEL 082 8746 991				

## **SITE PHOTOS**





Photo 1: Typical landscape of line route

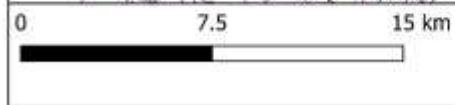
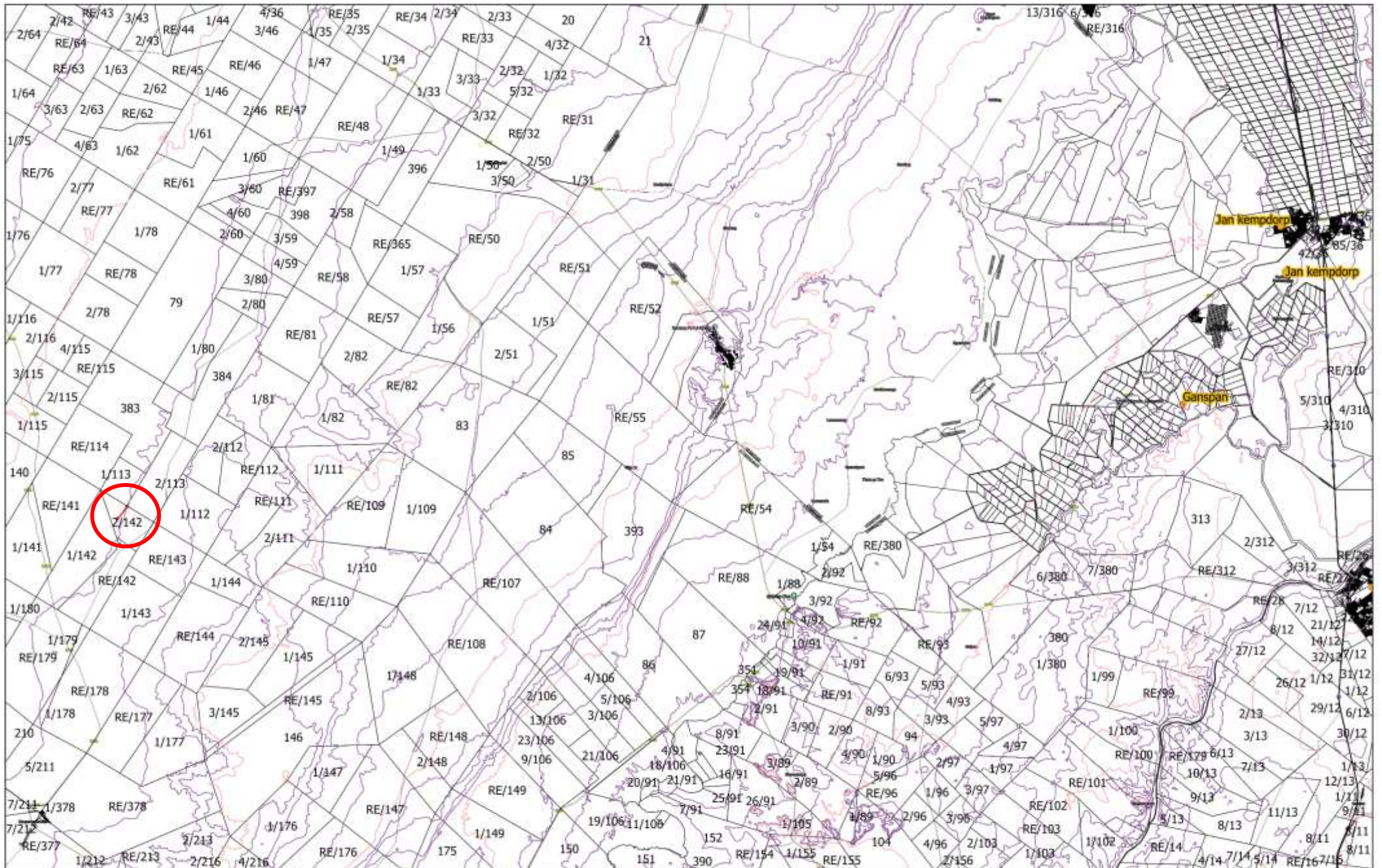




Photo 2: Section of line route

**1:50 000 TOPO CADASTRAL LOCATION MAP**





QGIS 3.16.2-Hannover  
18 March 2021



Locality Map:  
Proposed Powerline, Farm 2/142  
Northern Cape

Site location

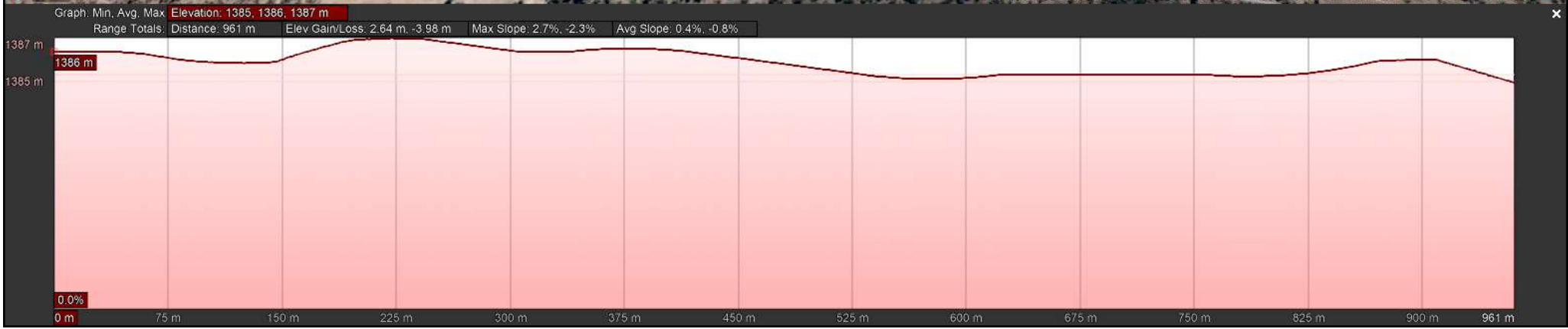
## ELEVATION MAP





Image © 2021 Maxar Technologies  
© 2021 AfrGIS (Pty) Ltd.

Imagery Date: 7/12/2019 28°04'31.66" S 24°05'08.68" E elev 1386 m eye alt 2.59 km



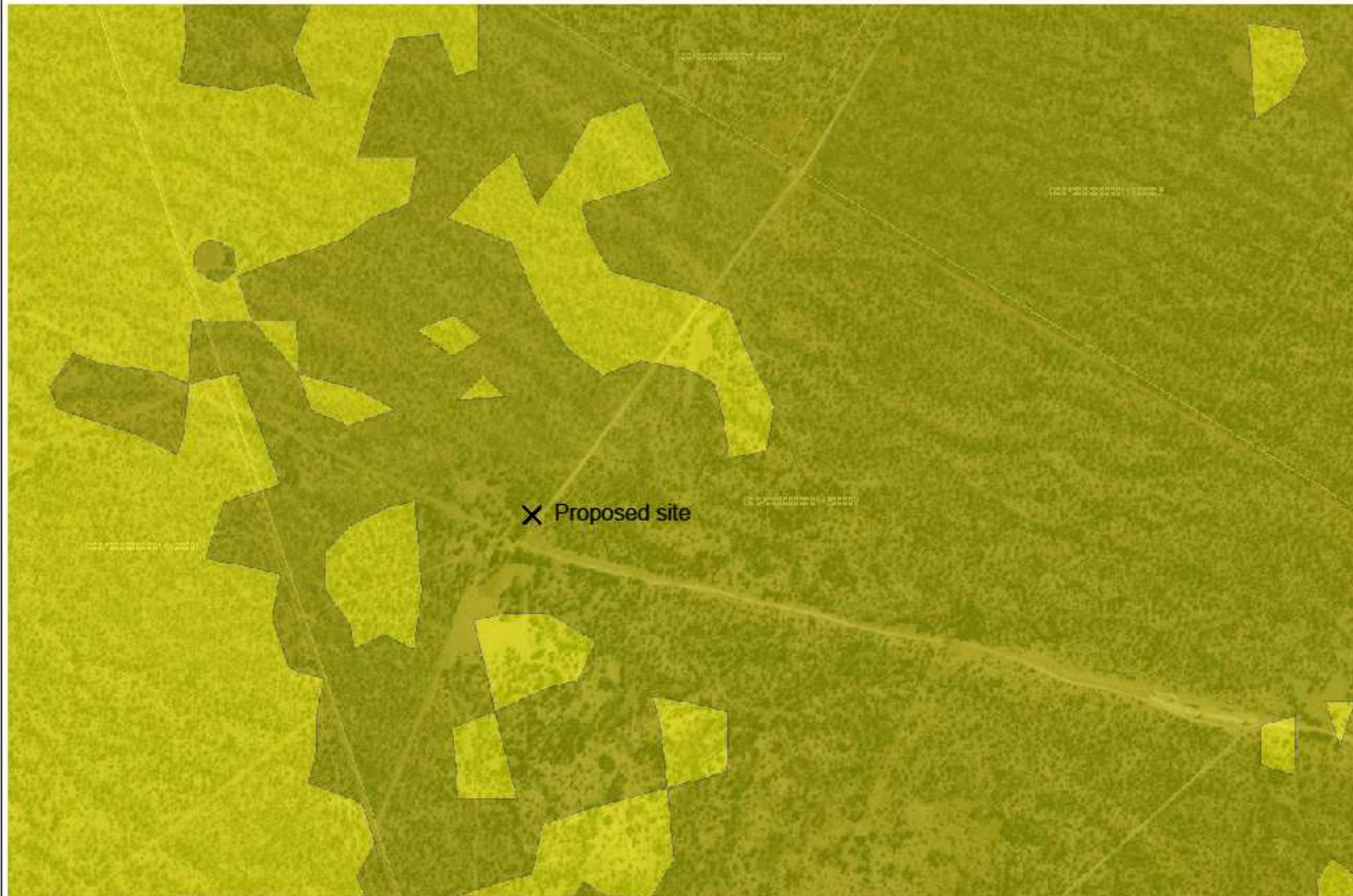


# ENVIRONMENTAL SENSITIVITY MAP

**Biodiversity Status**

**Description**

Northern Cape Critical Biodiversity Map



**Legend**

**Northern Cape Critical Biodiversity Areas 20**

- Critical Biodiversity Area One
- Critical Biodiversity Area Two
- Ecological Support Area
- Other Natural Areas
- Protected Area
- South African parent farm cadaster
- Formal protected areas (NBA 2011)
- Informal protected areas (NPAES)
- Marine Protected Areas MPAs (NBA 2011)
- Addo Biodiversity Conservation Plan
- Cape Winelands DMA Biodiversity Assessment
- Cape Town Biodiversity Network
- Centraikaroo Biodiversity Assessment
- Eastern Cape Biodiversity Conservation Plan
- FSP Bergrivier
- FSP Breede Valley
- FSP Cederberg
- FSP Hessequa
- FSP Langeberg
- FSP Matzikama
- FSP Mossel Bay
- FSP Saldanha Bay
- FSP Witzenberg
- Garden Route Biodiversity Sector Plan
- Gauteng C Plan

1: 9 028



0,5 0 0,23 0,5 Kilometers

WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
 © Latitude Geographics Group Ltd.

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THIS MAP IS NOT TO BE USED FOR NAVIGATION



# DEFF SCREENING REPORT

See attached separate document