



ENVIRONMENTAL SCREENING –

22kVa Electricity line, Lanyon Vale
376, Siyathemba Local Municipality,
Northern Cape

PREPARED FOR:

Eskom: Environmental screening
for distribution activities

Prepared By: Green-Box Consulting



GREEN-BOX
CONSULTING

1. INTRODUCTION

A 22kVa electricity line is planned for Mr Lubbe and will stretch on a part of the farm Lanyon Vale 376, Siyathemba Local Municipality, Northern Cape.

The line will be approximately 986,2m in length and will feed electricity to a single pivot system to water agricultural crops. 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. Site Plan (Site Map);
3. Site photos;
4. 1:50 000 topo cadastral location map;
5. Environmental sensitivity map (NC Biodiversity Plan)

DISTRIBUTION ENVIRONMENTAL SCREENING DOCUMENT

See attached separate document

SITE PLAN (SITE MAP)

Proposed 22kVa Electricity Line on a portion on Lanyon Vale 376 (1:10 000 TopoMap)



LANYON VALE 376

SAXENDRIFT 20

PAARDE KLOOF 11

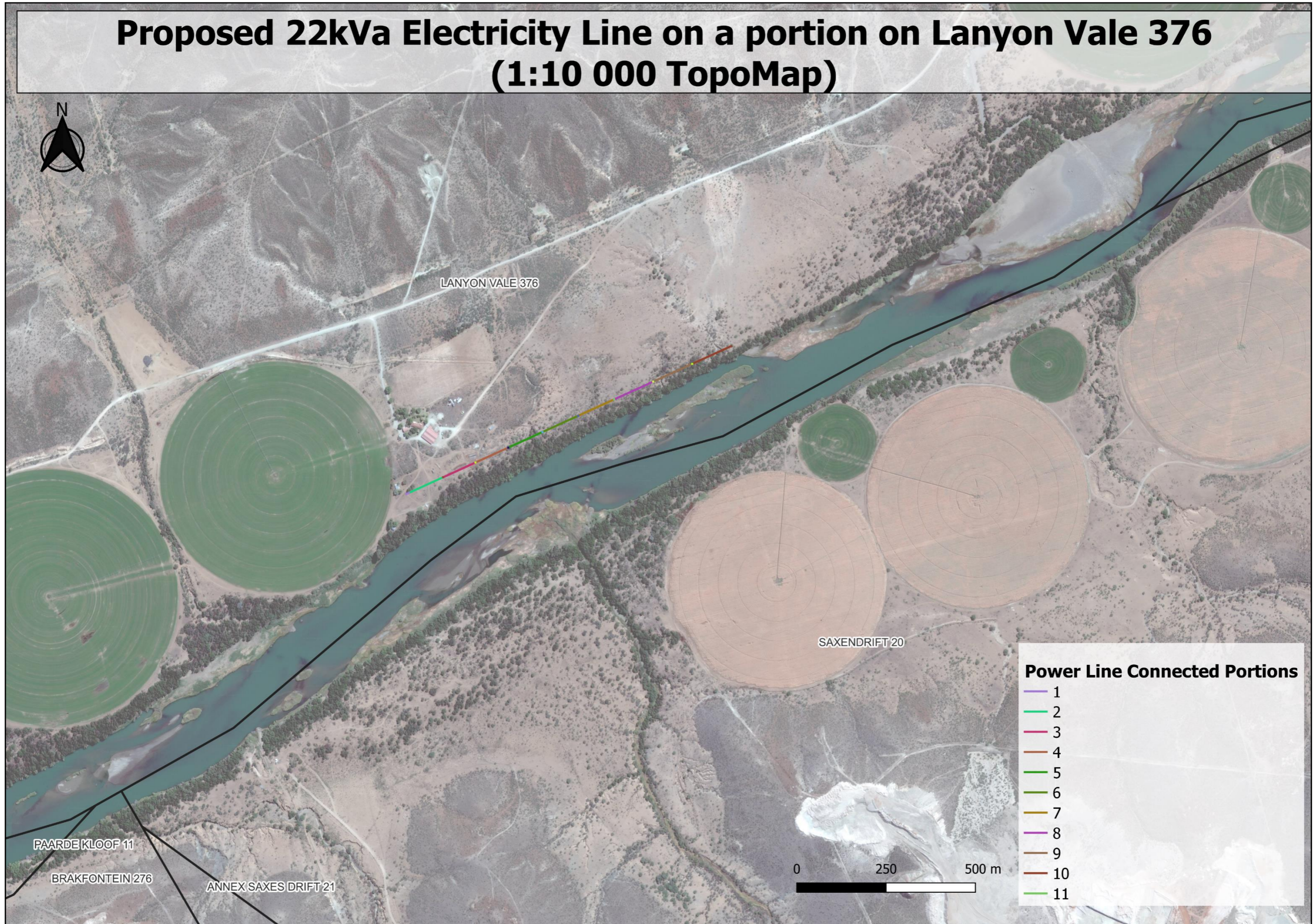
BRAKFORTEIN 276

ANNEX SAXES DRIFT 21

0 250 500 m

Power Line Connected Portions

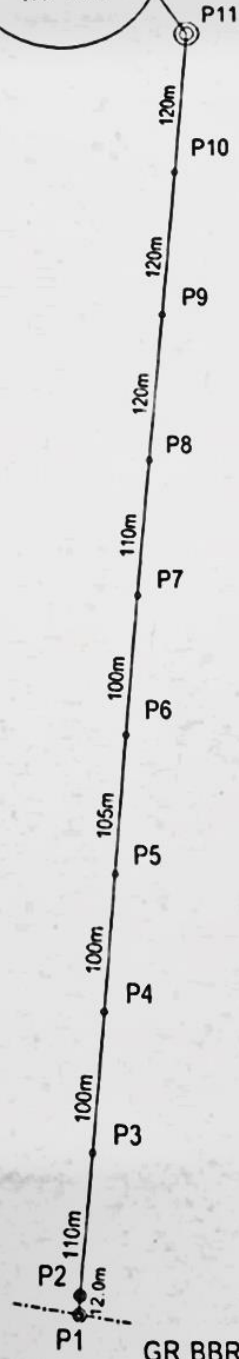
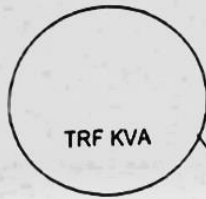
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PAGE 1

WG23

POLE	Y	X
P1	-23275.831	3241368.359
P11	-24185.651	3240958.591



GR BBR114 28/2

GR BBR114 28/1

FEEDER			
11KV			
FOX	SQUIRREL	HARE	MINK
997m			
PAGE 1 OF 1			
DEVELOPMENT			
DISTRIBUTION NORTHERN CAPE OPERATING UNIT			
SCALE 1 : 5000		WG 25	
SURVEY BY:-		GS SURVEY	
TEL 082 8746 991			

Site plan for the proposed electricity power line

SITE PHOTOS



Site Photo 1: Vegetation at the starting point of the proposed line



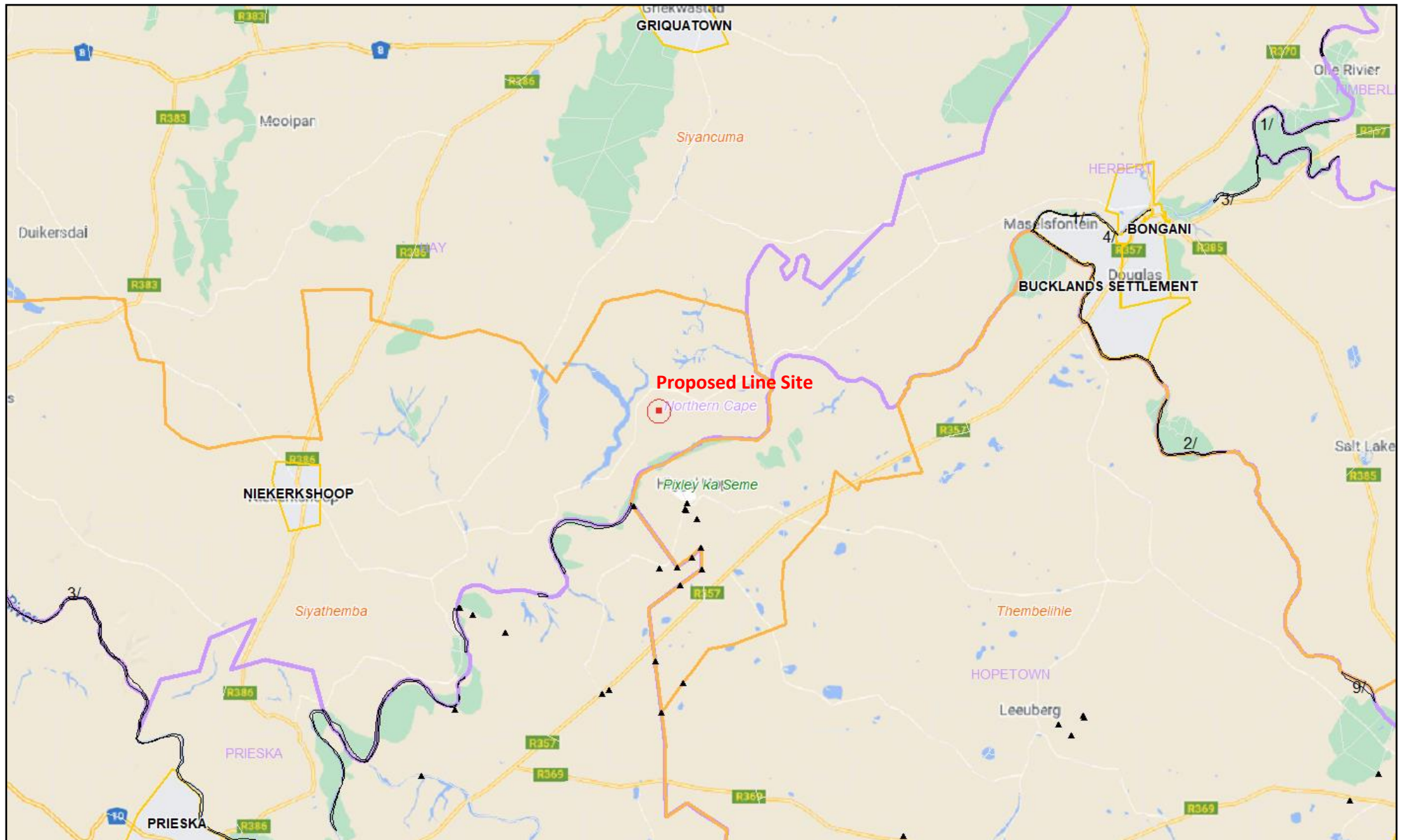
Site Photo 2: Vegetation along the line path



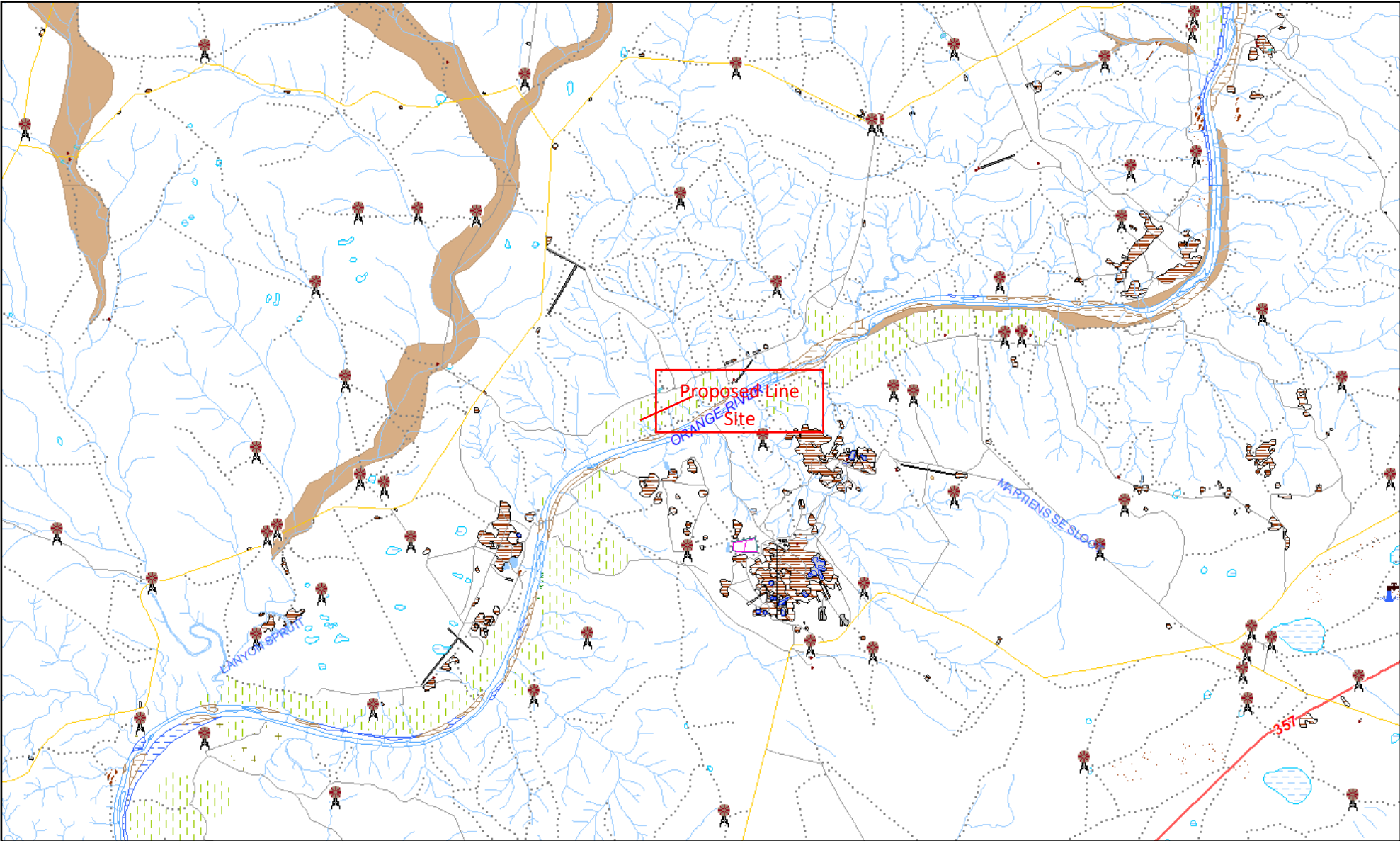
Site Photo 3: Orange River running adjacent to the line path

1:50 000 TOPO CADASTRAL LOCATION MAP

1:50 000 Topo Map, PlanetGIS (February 2022)



1:50 000 Locality Map, PlanetGIS (February 2022)



ELEVATION MAP

Proposed Electricity Line



Graph: Min, Avg, Max Elevation: 954, 954, 955 m
Range Totals: Distance: 111 m Elev Gain/Loss: 1.59 m, -2.4 m Max Slope: -, - Avg Slope: -, -



ENVIRONMENTAL SENSITIVITY MAP


Description

Proposed 22kVa Electricity Line, Siyathemba Local Municipality, Northern Cape


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

 20m Contour lines - northern RSA


 20m contour lines - southern RSA

Rivers (NFEPA)

 1


 5

 10

 Wetland clusters (NFEPA)

 National wetlands map 4 (NFEPA)

National Wetlands Map 4 - NWCS L4 classes

 Slope: Seep


 Slope: Valleyhead seep


 Slope: Depression

 Valley floor: Channelled valley-bottom wetland

 Valley floor: Unchannelled valley-bottom wetland

 Valley floor: Floodplain wetland

 Valley floor: Depression

 Plain: Floodplain wetland

 Plain: Unchannelled valley-bottom wetland

 Plain: Depression



1,0 0 0,51 1,0 Kilometers

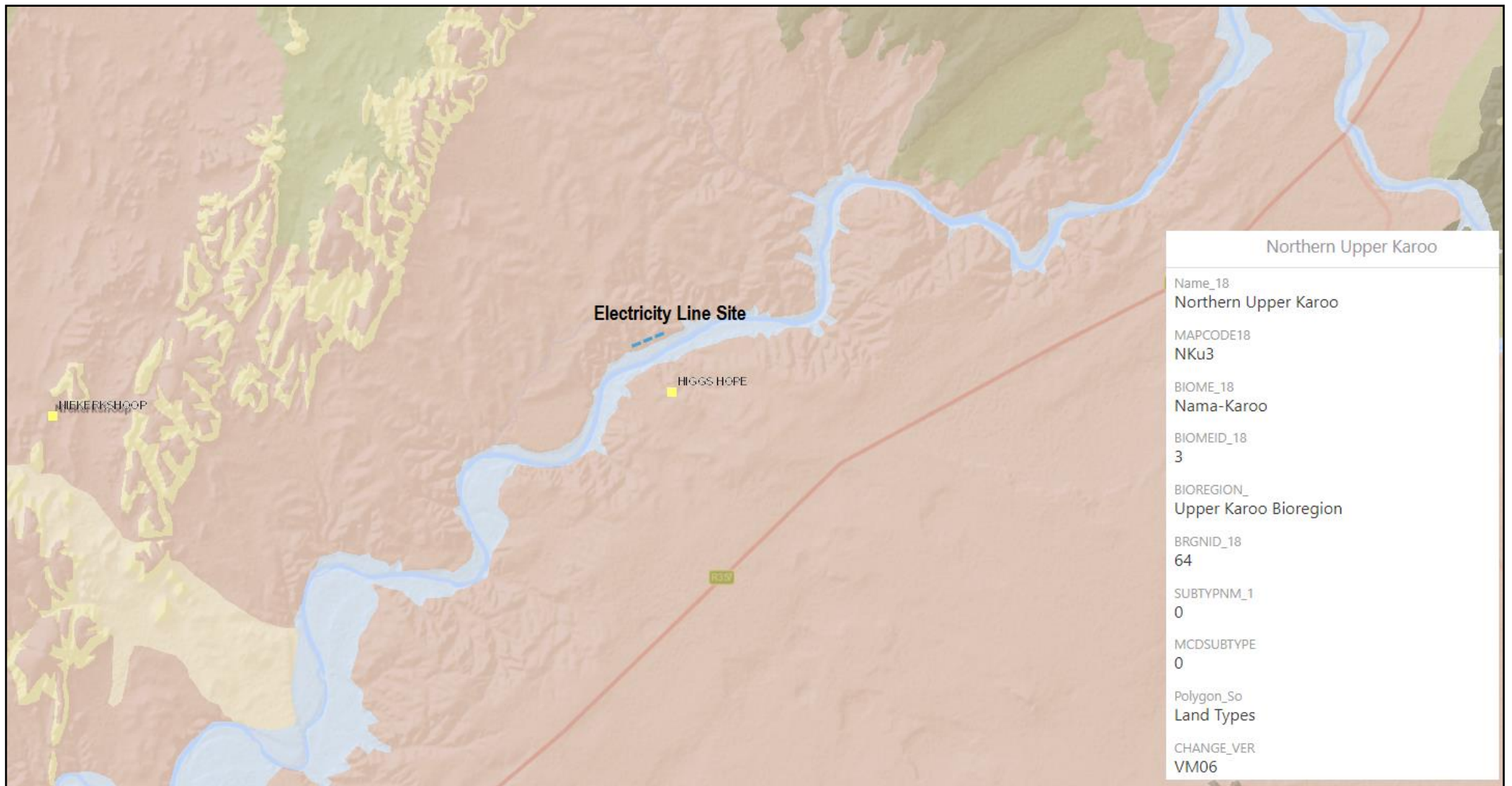
WGS_1984_Web_Mercator_Auxiliary_Sphere
© Latitude Geographics Group Ltd.

This map is a user generated static output from an internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

1: 20 000





Vegetation map of the line area (SANBI bgis, VegMap 2018)

End of Report



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