



ENVIRONMENTAL SCREENING –

22kVa Electricity Line, Portion 17 of
the Farm Stockenstroms Kop 77,
Colesberg, Umsobomvu Local
Municipality, Northern Cape

PREPARED FOR:

Eskom: Environmental screening
for distribution activities

Prepared By: Green-Box Consulting

21 April 2022



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CONSULTING

1. INTRODUCTION

A 22kVa electricity line is planned for Mr Billie Coolsberg of Chargo Bk, and will stretch on a part of subdivision 17 of the farm Stockenstroms Kop 77, Colesberg, Umsobomvu Local Municipality, Northern Cape.

The line will be approximately 601 m 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

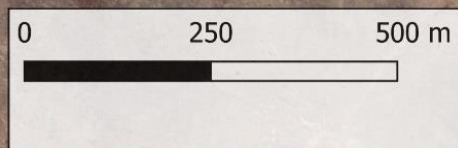
SITE PLAN (SITE MAP)

Proposed Electricity Line on Portion 17 of the Farm Stockenstroms Kop 77, Colesberg, Northern Cape



Map Legend

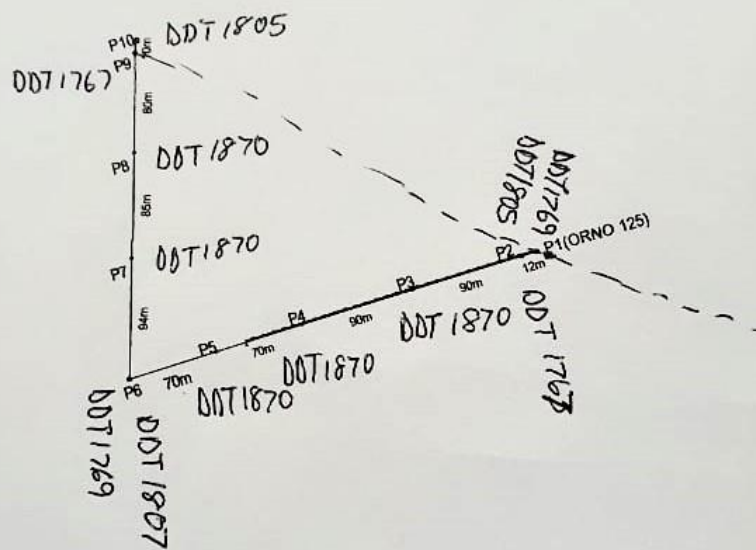
- Line
- + Pole Points



PAGE 1

WG25

POLE	Y	X
P1	-38474.526	3384099.757
P6	-38155.869	3384195.624
P10	-38160.921	3383925.892



FEEDER BARKLY RIVER FARMS			
11KV			
FOX	SQUIRREL	HARE	MINK
297m			
PAGE 1 OF 1			
TIDAL WINDS			
POWER SUPPLY			
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



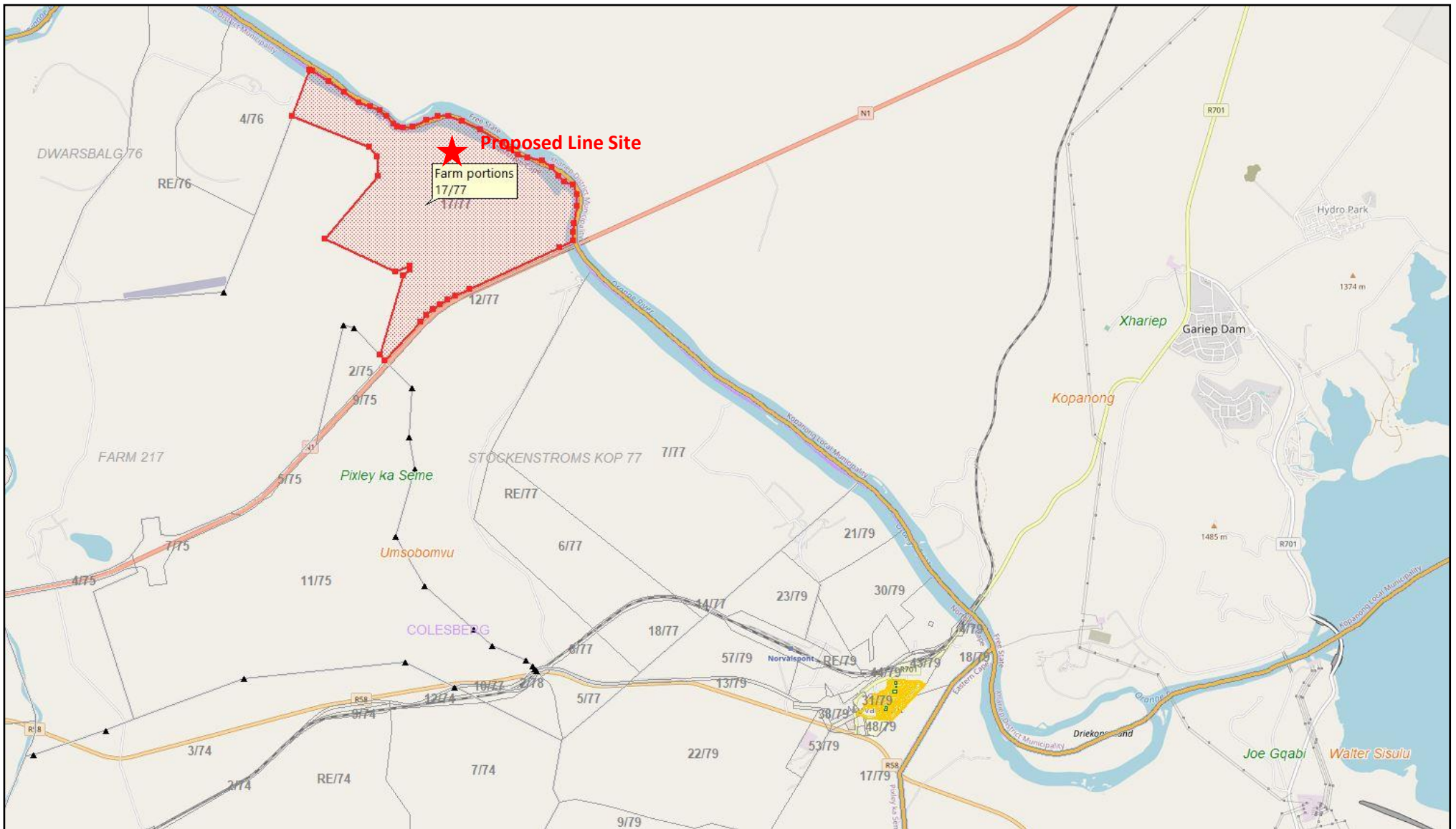
Site Photo 2: Vegetation along the line path



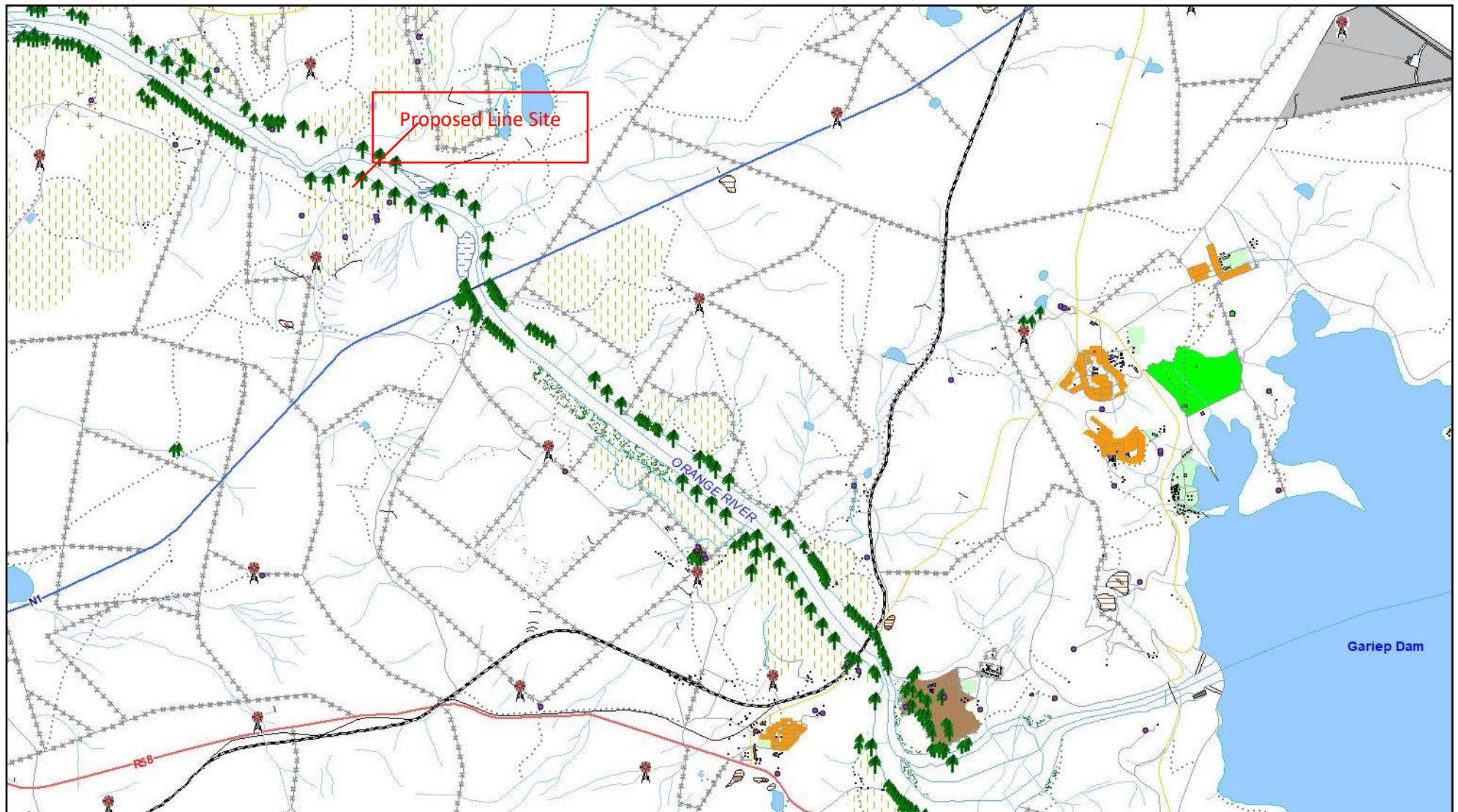
Site Photo 3: Bare soil running adjacent to the line path

1:50 000 TOPO CADASTRAL LOCATION MAP

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



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



ELEVATION MAP



ENVIRONMENTAL SENSITIVITY MAP

Northern Cape Critical Biodiversity Area Map (2016)

Description

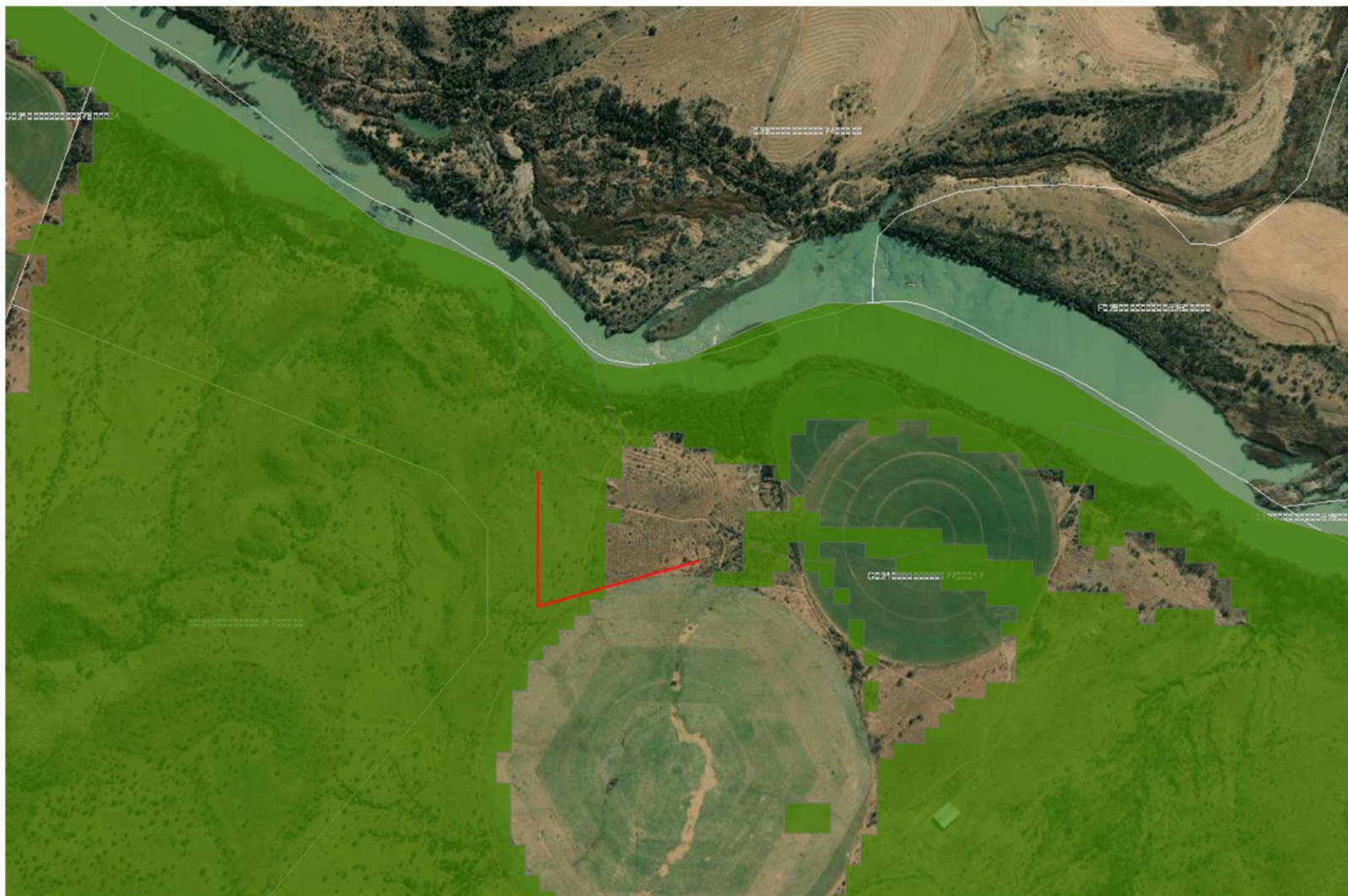
22kVa Electricity Line, on 17/77 Stockenstroms Kop Farm, Colesberg, Northern Cape Province

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
- Centralkaroo Biodiversity Assessment
- Eastern Cape Biodiversity Conservation Plan
- FSP Bergvler
- FSP Breede Valley
- FSP Cederberg
- FSP Hessequa
- FSP Langeberg
- FSP Matzikama
- FSP Mossel Bay
- FSP Saldanha Bay
- FSP Witenberg
- Garden Route Biodiversity Sector Plan
- Gauteng C Plan
- KwaZulu Natal Biodiversity Sector Plan

1: 9 028



0,5 0 0,23 0,5 Kilometers

WGS_1984_Web_Mercator_Auxiliary_Sphere
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THIS MAP IS NOT TO BE USED FOR NAVIGATION

Strategic Water Source Areas (2017)

Description

22kVa Electricity Line, 17/77 Stockenstroms Kop Farm, Colesberg, Northern Cape Province

Legend

SWSA_geo

- Ground water
- Surface water
- Overlap between GW and SW

 South African parent farm cadaster

— 20m Contour lines - northern RSA

— 20m contour lines - southern RSA

Rivers (NFEPA)

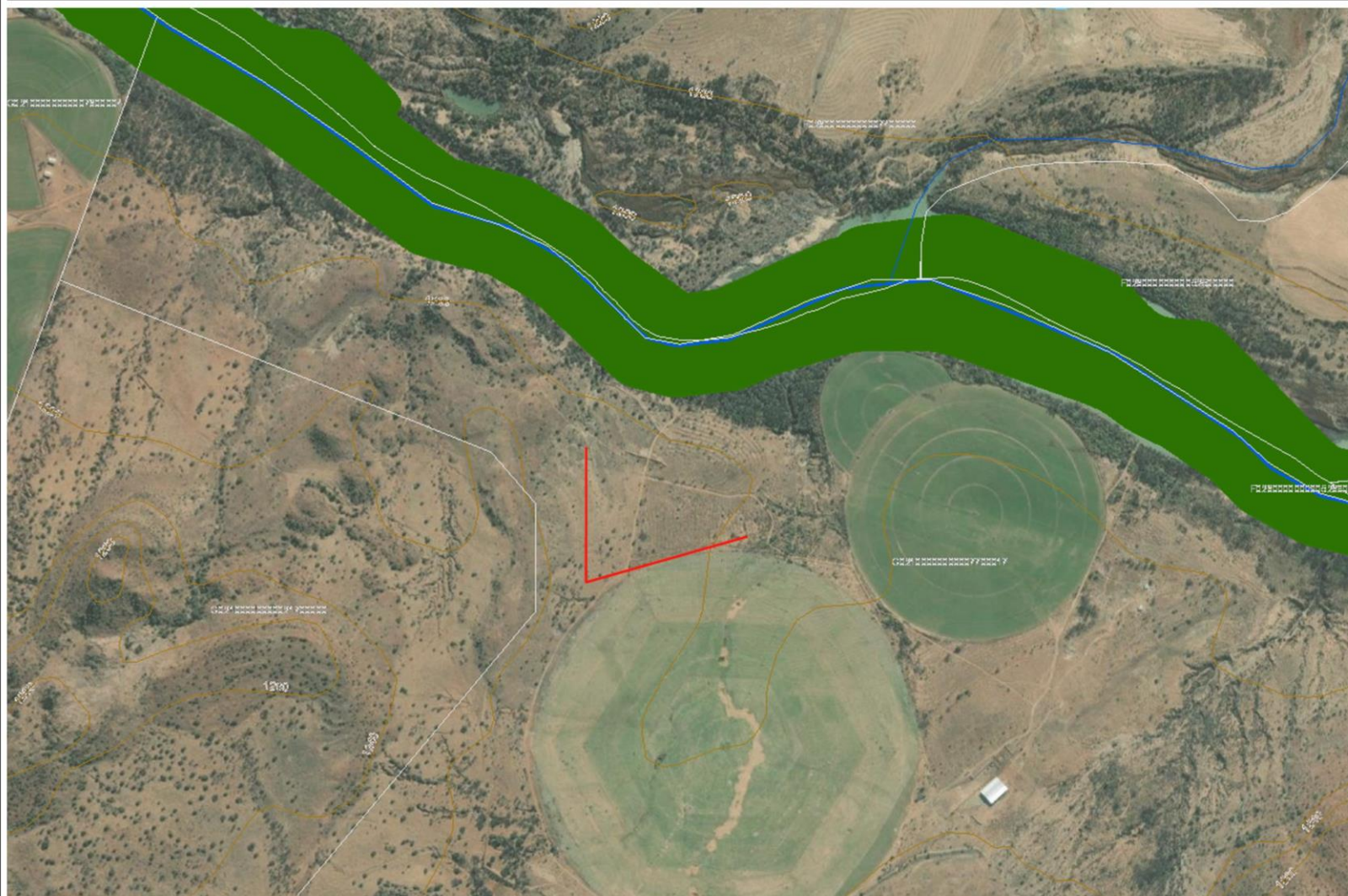
- 1
- 5
- 10

National Wetlands Map 4 - NWCS L4 classe:

- 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
- Plain: Flat
- Bench: Depression
- Bench: Flat

 Addo Biodiversity Conservation Plan

1: 9 028



0,5 0 0,23 0,5 Kilometers

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

End of Report



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