

**A LETTER OF EXEMPTION FOR PROPOSED  
WOODLANDS DAIRY 22KV OVERHEAD LINE NEAR  
HUMANSDORP, EASTERN CAPE PROVINCE**

**FOR EOH CES**

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## Abbreviations

HP	Historical Period
IIA	Indeterminate Iron Age
LIA	Late Iron Age
EIA	Early Iron Age
ISA	Indeterminate Stone Age
ESA	Early Stone Age
MSA	Middle Stone Age
LSA	Late Stone Age
HIA	Heritage Impact Assessment
PIA	Palaeontological Impact Assessment

## INTRODUCTION

Woodlands Dairy (Pty) Ltd are proposing the construction of a 22kV overhead line for the Woodlands Dairy near Humansdorp in the Eastern Cape Province. The specifications for the proposed overhead line: The proposed overhead line will be approximately 2.4km in length; and The proposed overhead line will be routed from the Eskom Melkhout Substation to the Woodlands Dairy. The proposed overhead line is situated along multiple farms near Humansdorp in the Eastern Cape Province (CES BID 2020)

Umlando was requested to assist in the HIA. Umlando suggested the line should be exempt from further HIA studies sine it is in already disturbed land and the impact of each pole is minimal.

FIG. 1 GENERAL LOCATION OF THE STUDY AREA

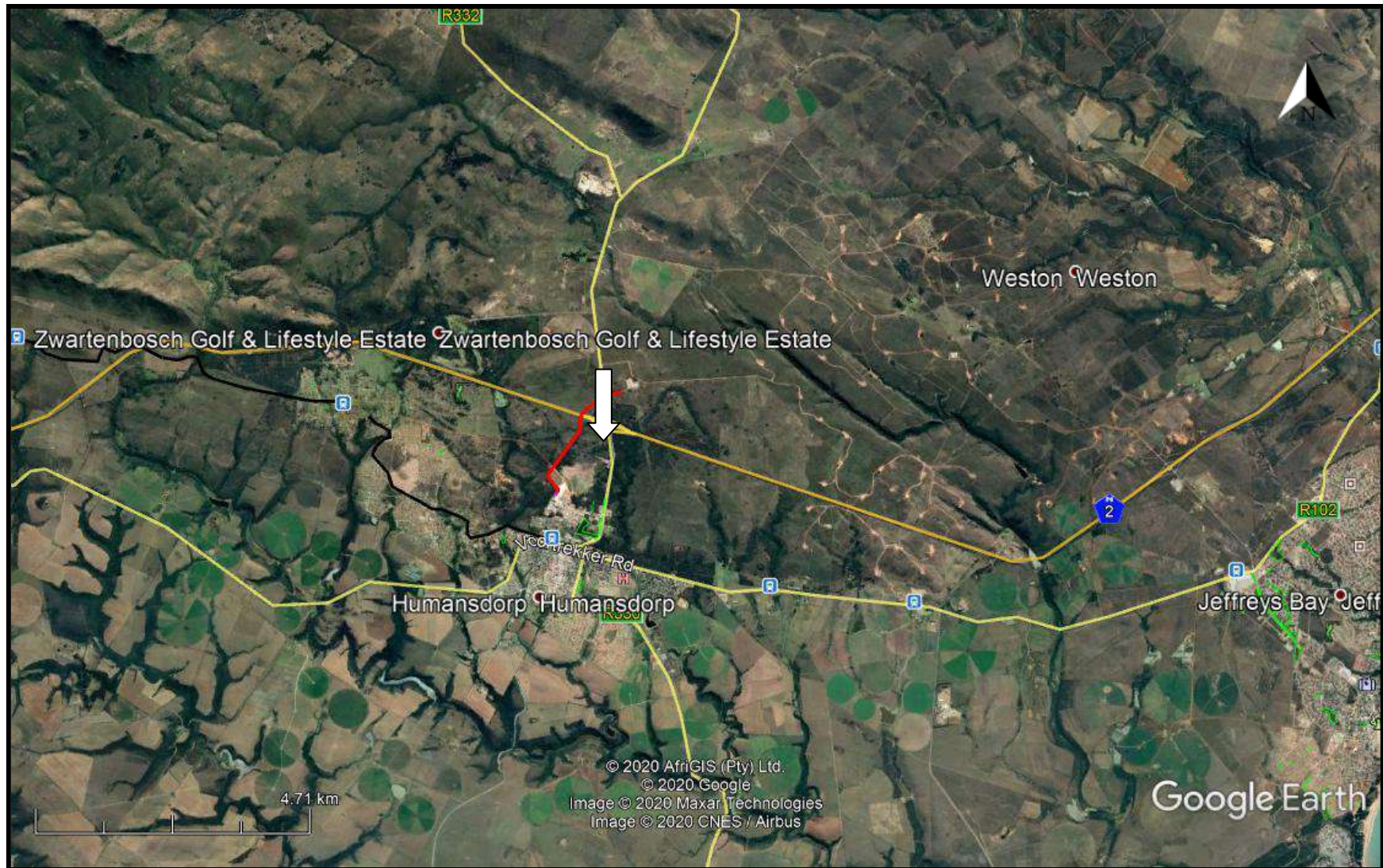




FIG. 2: AERIAL OVERVIEW OF THE STUDY AREA

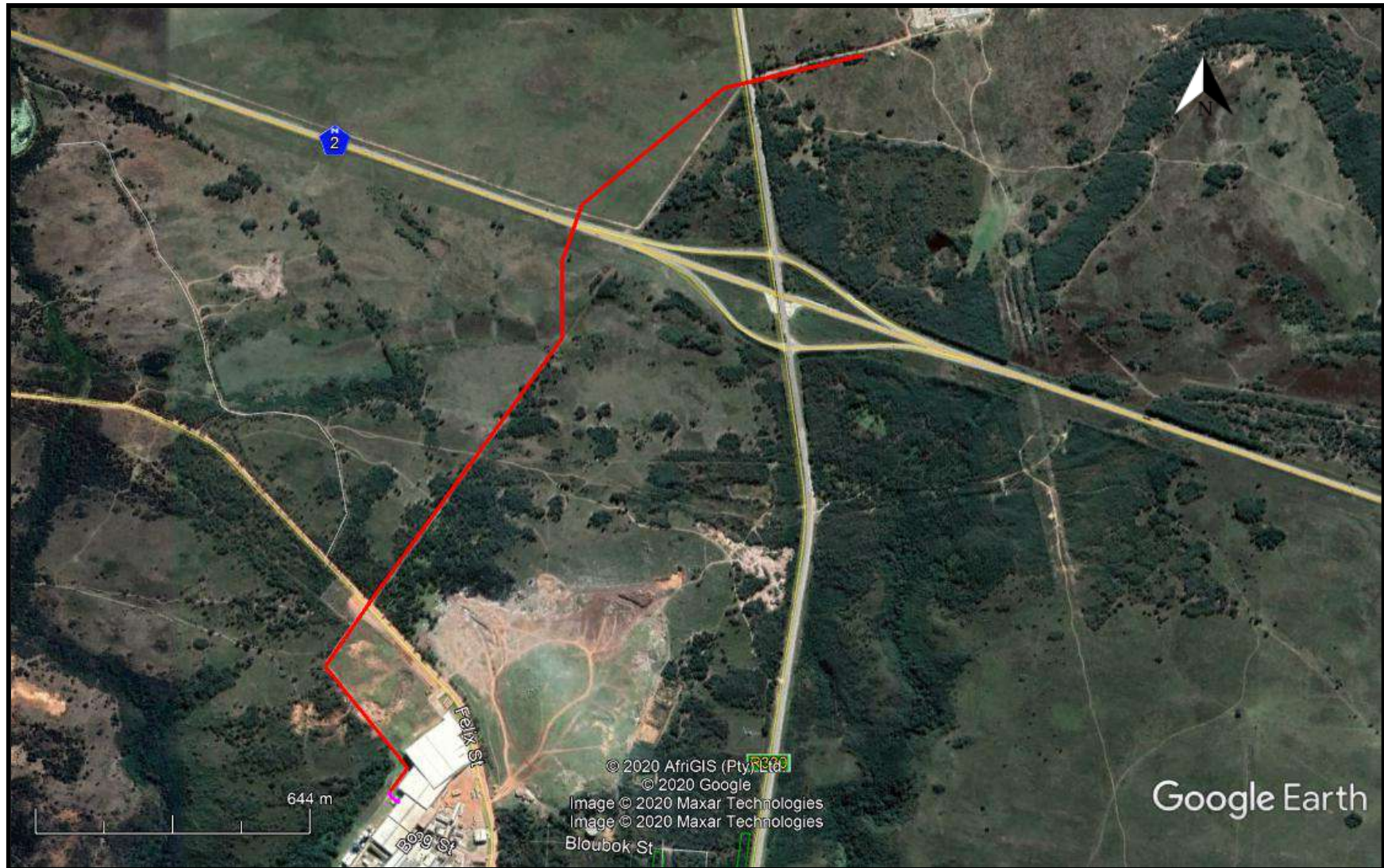




FIG. 3: TOPOGRAPHICAL OVERVIEW OF THE STUDY AREA

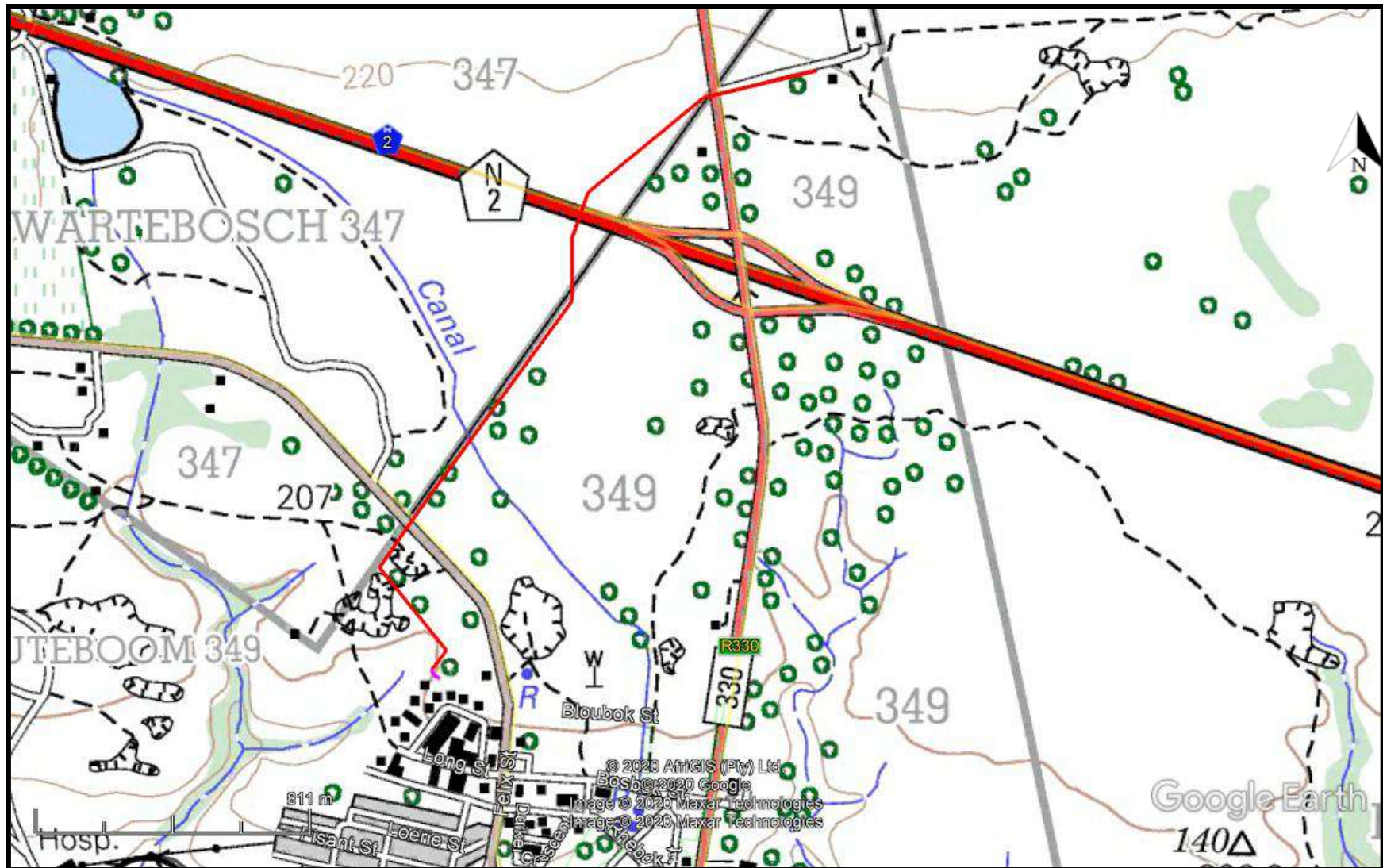


FIG. 4: SCENIC VIEWS OF THE TRANSMISSION LINE





The desktop study consisted of analysing various maps for evidence of prior habitation in the study area, as well as for previous archaeological surveys. The archaeological database indicates that there are archaeological sites in the general area (fig. 5). These sites include all types of Stone Age (see Anderson 2010,2011; Binneman 2011; Nillsen 2019). Most of these sites are open scatters and are of low significance.

No national monuments, battlefields, or historical cemeteries are known to occur in the study area.

The Erf Rheeboksfontein 346 was first surveyed in 1833 (fig. 6). No structures are shown on the SG map.

The 1:50 000 topographical map from 1975 shows that there were no structures in the study area (fig. 7).

The area is rated as having low palaeontological sensitivity (fig. 8).

It is unlikely that heritage sites will occur in the transmission line footprint. The size of each impact is miniscule. Furthermore the footprint was probably damaged by road constriction.

No further heritage assessment is required for the proposed transmission line.



FIG. 5: LOCATION OF KNOWN HERITAGE SITES NEAR THE STUDY AREA

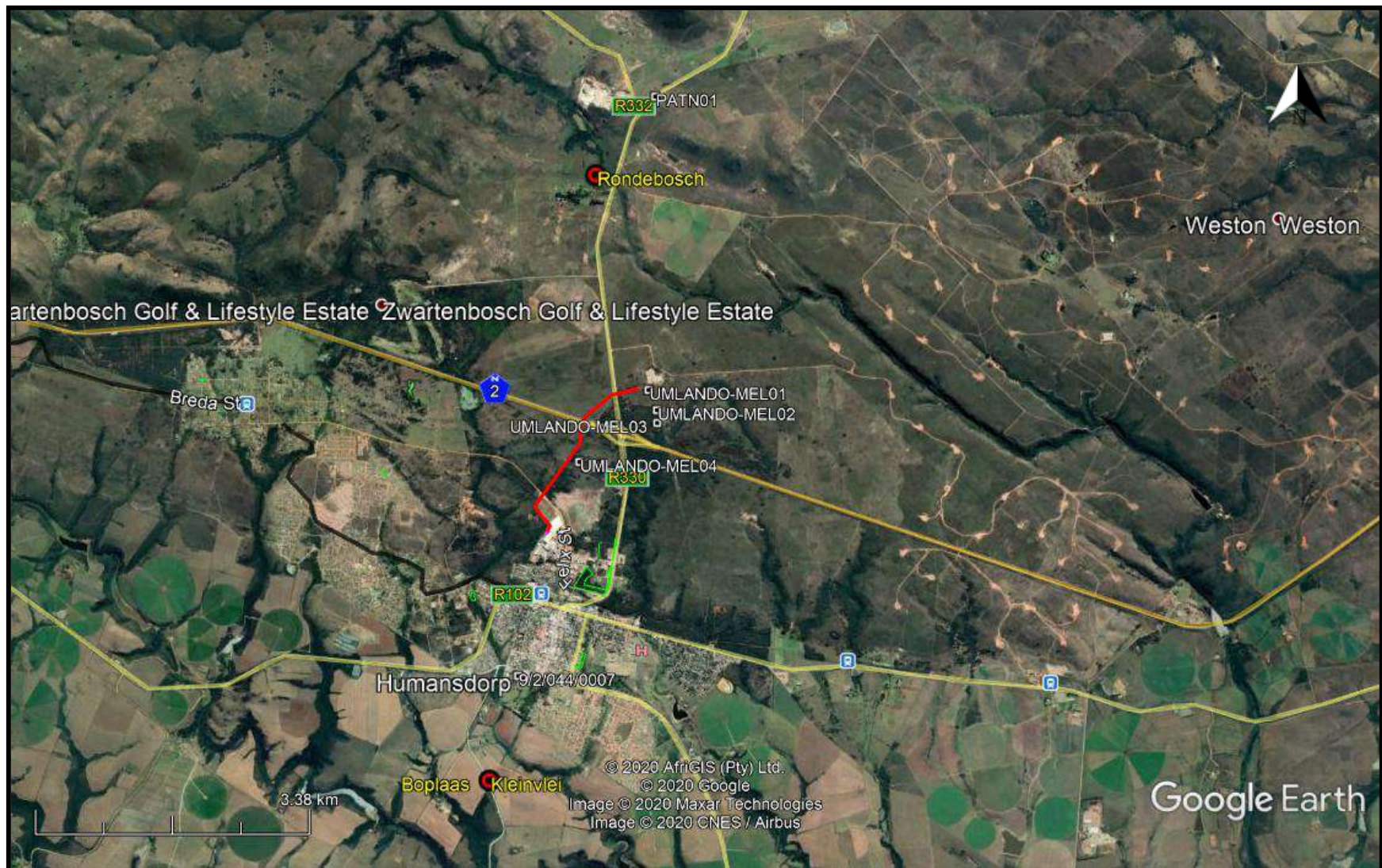


FIG. 6: SGD OF RHEEBOKSFONTEIN (1833)

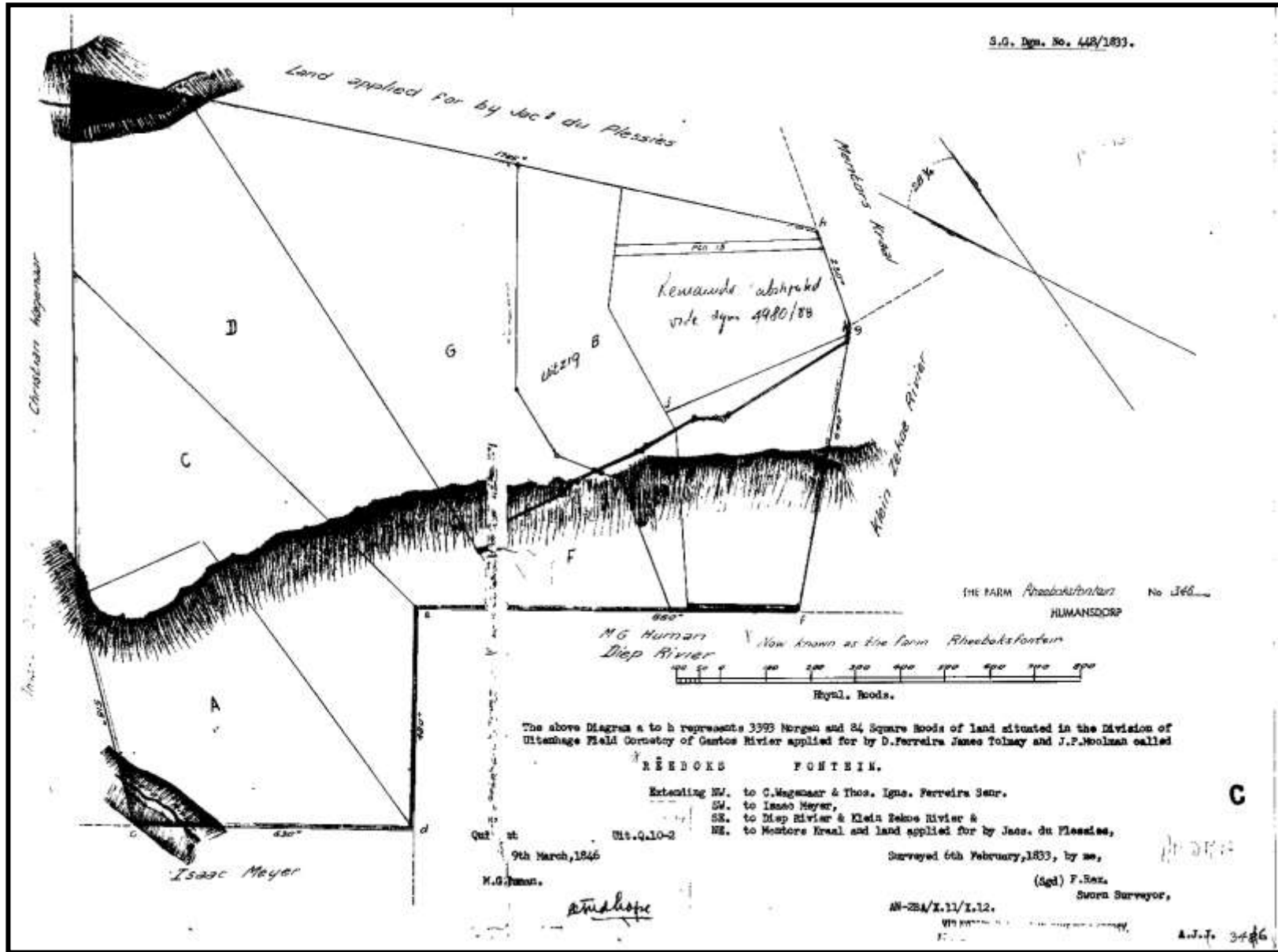




FIG. 7: STUDY AREA IN 1975

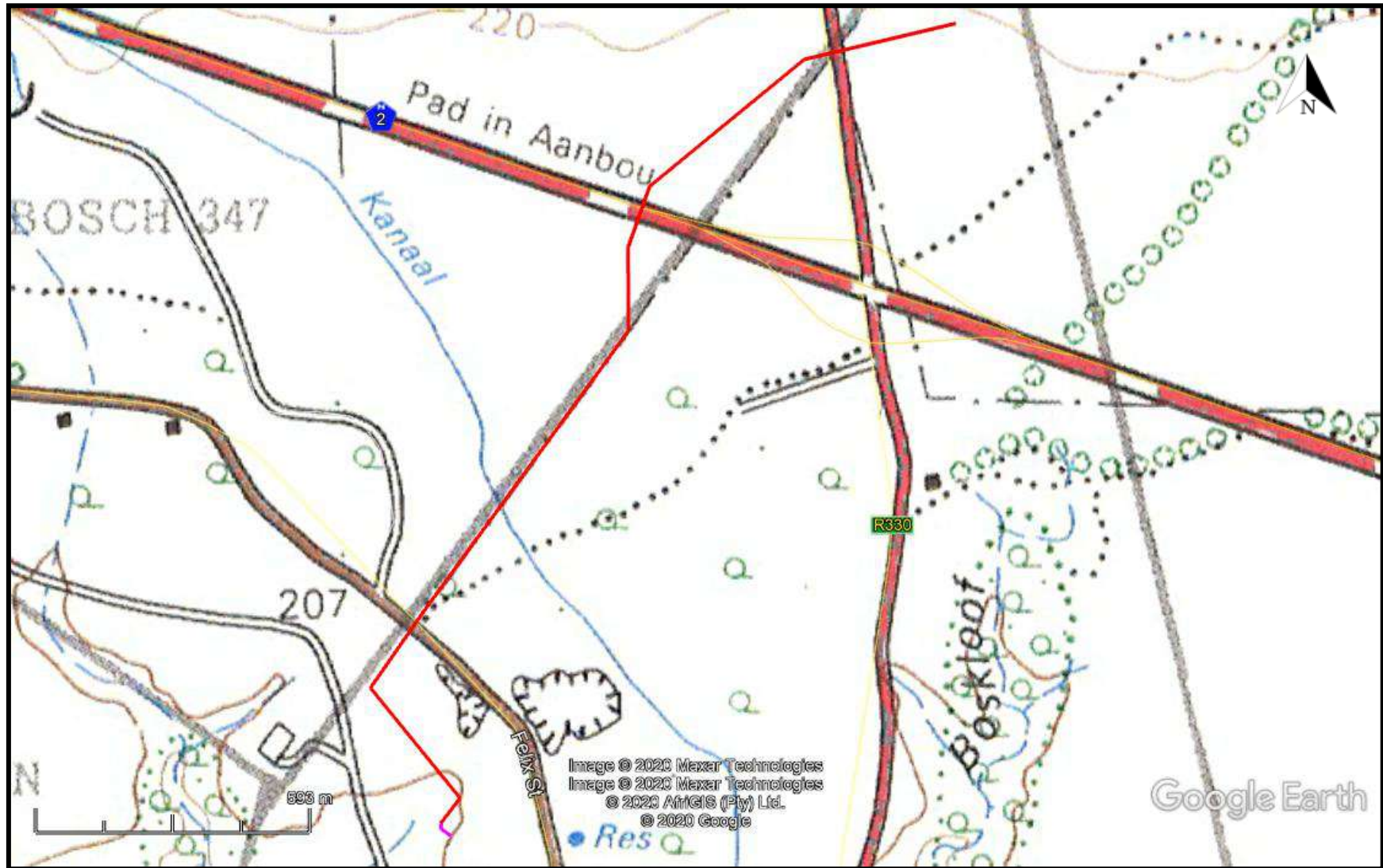




FIG 8: PALAEOLOGICAL SENSITIVITY



COLOUR	SENSITIVITY	REQUIRED ACTION
RED	VERY HIGH	field assessment and protocol for finds is required
ORANGE/YELLOW	HIGH	desktop study is required and based on the outcome of the desktop study, a field assessment is likely
GREEN	MODERATE	desktop study is required
BLUE	LOW	no palaeontological studies are required however a protocol for finds is required
GREY	INSIGNIFICANT/ZERO	no palaeontological studies are required
WHITE/CLEAR	UNKNOWN	these areas will require a minimum of a desktop study. As more information comes to light, SAHRA will continue to populate the map.

## CONCLUSION

The proposed 22kV powerline will not affect know heritage resources and is unlikely to affect any heritage resources. No further HIA is required.

## REFERENCES

Anderson, G. 2010. Heritage Survey of the Proposed Melkhout-Oyster Bay Transmission Line for Coastal Environmental Services.

Anderson, G. 2011. Heritage Survey of the Proposed 66 Kv Line between St Francis and Red Cap Kouga Wind Farm, Eastern Cape for Coastal & Environmental Services.

Binneman, J. 2011. Proposed Grid Connection for the Impofu Wind Farms; from Kouga area to Sans Souci and Chatty Substations near Port Elizabeth, Eastern Cape Province.

Nilssen, P., 2019. Proposed Grid Connection for the Impofu Wind Farms; from Kouga area to Sans Souci and Chatty Substations near Port Elizabeth, Eastern Cape Province.

### **EXPERIENCE OF THE HERITAGE CONSULTANT**

Gavin Anderson has a M. Phil (in archaeology and social psychology) degree from the University of Cape Town. Gavin has been working as a professional archaeologist and heritage impact assessor since 1995. He joined the Association of Professional Archaeologists of Southern Africa in 1998 when it was formed. Gavin is rated as a Principle Investigator with expertise status in Rock Art, Stone Age and Iron Age studies. In addition to this, he was worked on both West and East Coast shell middens, Anglo-Boer War sites, and Historical Period sites.

### **DECLARATION OF INDEPENDENCE**

I, Gavin Anderson, declare that I am an independent specialist consultant and have no financial, personal or other interest in the proposed development, nor the developers or any of their subsidiaries, apart from fair remuneration for work performed in the delivery of heritage assessment services. There are no circumstances that compromise the objectivity of my performing such work.

A handwritten signature in black ink, appearing to read 'G. Anderson', with a horizontal line underneath.

Gavin Anderson  
Archaeologist/Heritage Impact Assessor