

**A LETTER OF EXEMPTION FOR PHIWO'S PIGGERY,  
KZN**

**FOR K2M ENVIRONMENTAL**

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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

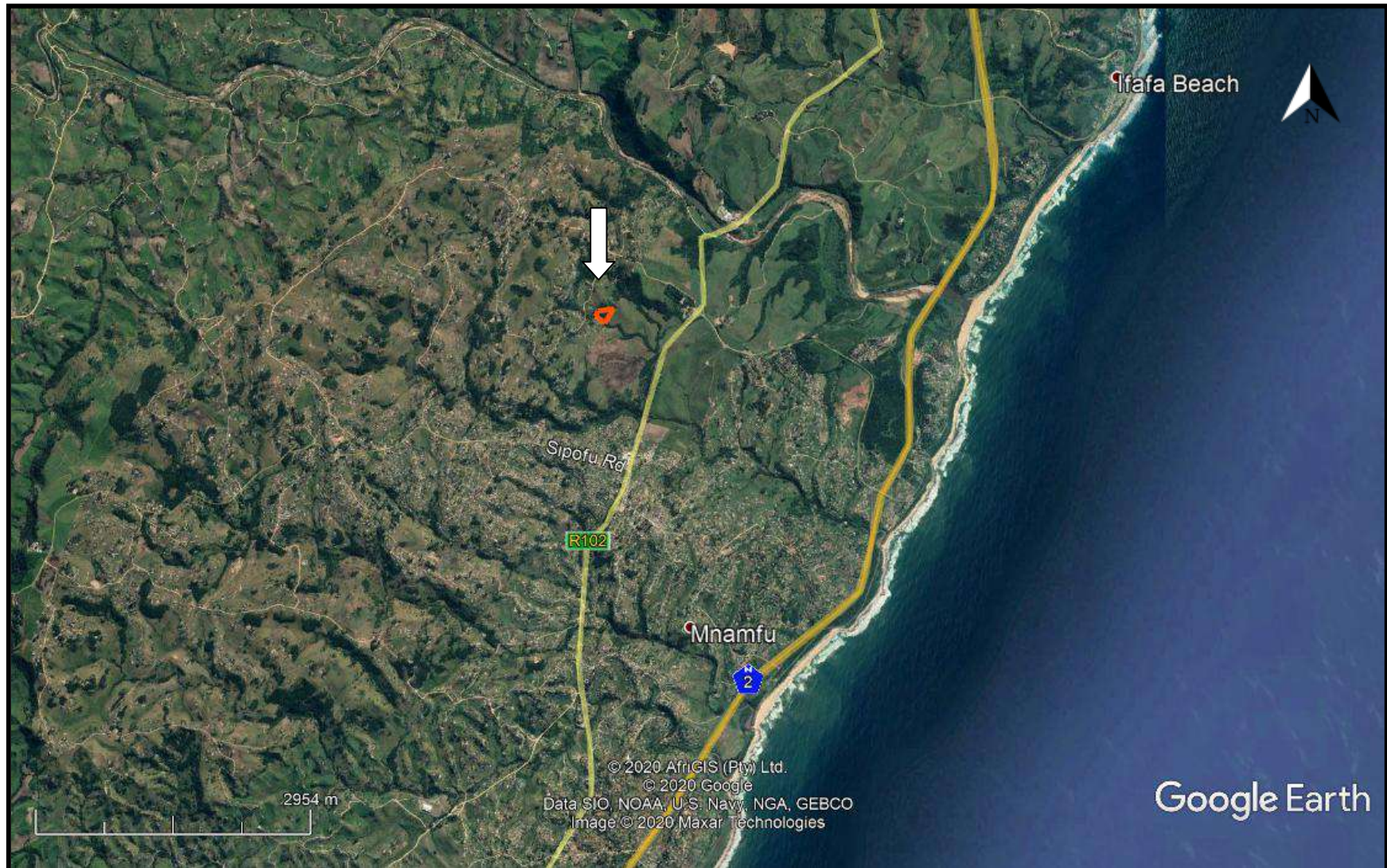
A farming enterprise known as Phiwo's Investment Primary Cooperative Limited wishes to construct a piggery. The aim of constructing the proposed piggery is to breed Pigs, produce and sell them to other local enterprises in the meat market. K2M Environmental (Pty) Ltd was appointed as the independent Environmental Assessment Practitioner (EAP) to undertake the Environmental Impact Assessment for the proposed development.

The proposed infrastructure of the piggery upon completion will entail the following:

- 6 sow housing units (100 sows will be kept collectively). The dimensions of each sow unit will be 30m x 15m.
- an office/storeroom/ablution/cold-room
- a slurry pit of 12m x 12m with an additional overflow catchment area
- an onsite jojo tank will be utilised for the collection of water. This tank will be supplied through the existing municipal water network
- the ablution facility will make use of a septic tank and soakaway system located outside the 32m wetland buffer
- Access to the proposed development site will be obtained via an existing single local track that connects to the main road to the proposed development site. The track will be graded to a width of 3 meters

Umlando was requested to assist in the HIA and suggested that it be exempt from further HIA. Figures 1 – 4 show the location of the site.

FIG. 1 GENERAL LOCATION OF THE STUDY AREA



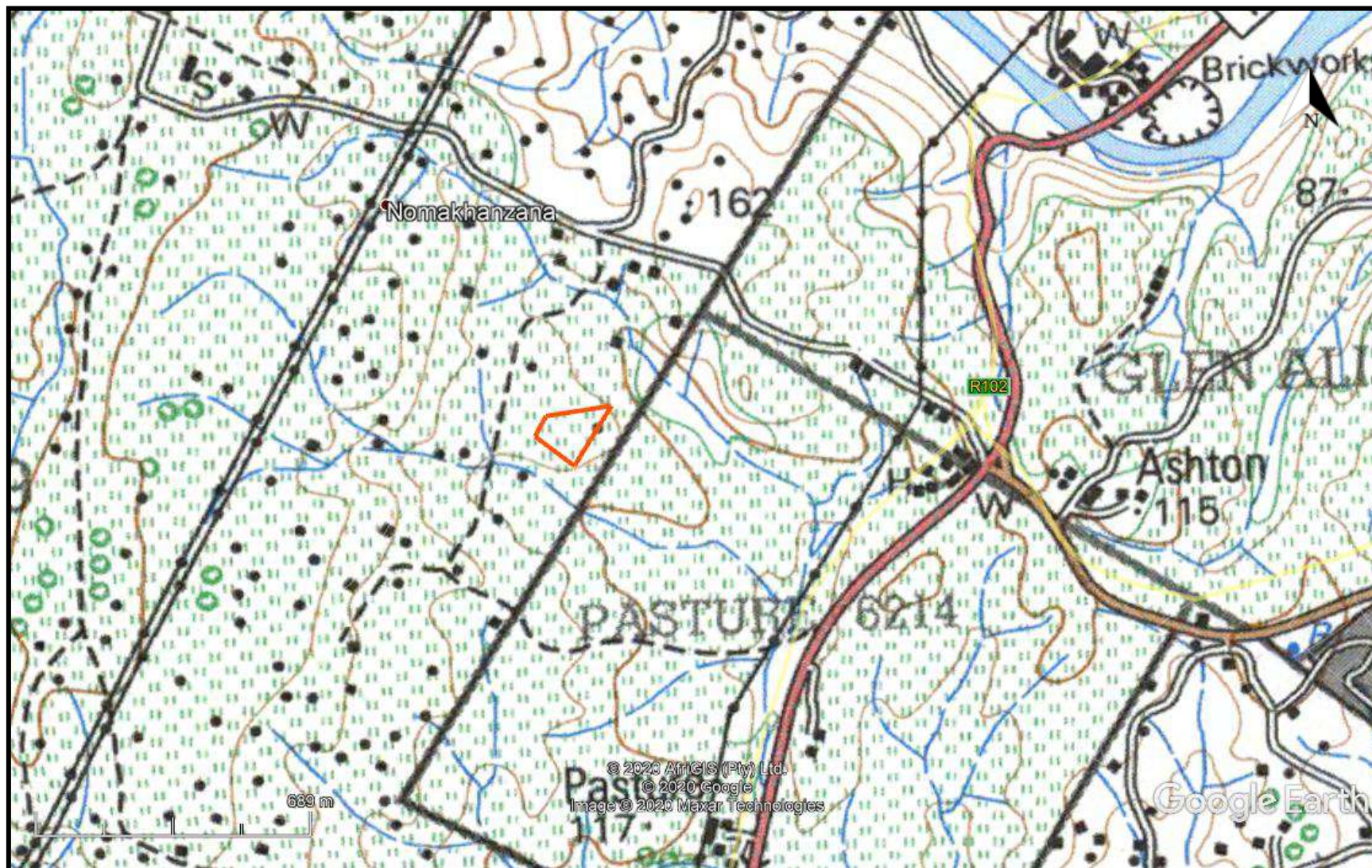


**FIG. 2: AERIAL OVERVIEW OF THE STUDY AREA**





FIG. 3: TOPOGRAPHICAL OVERVIEW OF THE EASTERN STUDY AREA (1996)





**FIG. 4: SCENIC VIEWS OF THE SITE**



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 and Iron Age sites. No sites occur in the study area.

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

The 1937 (fig. 6) and 1944 (fig. 7) maps indicate that the area was previously grassland. Both maps indicate there is a human settlement on top of the hill, but outside of the piggery footprint.

The study area is of very low, or no, palaeontological sensitivity (fig. 8). No further PIA mitigation is required.

The desktop study suggests that the area is of low heritage significance, and no further HIA mitigation is required.



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

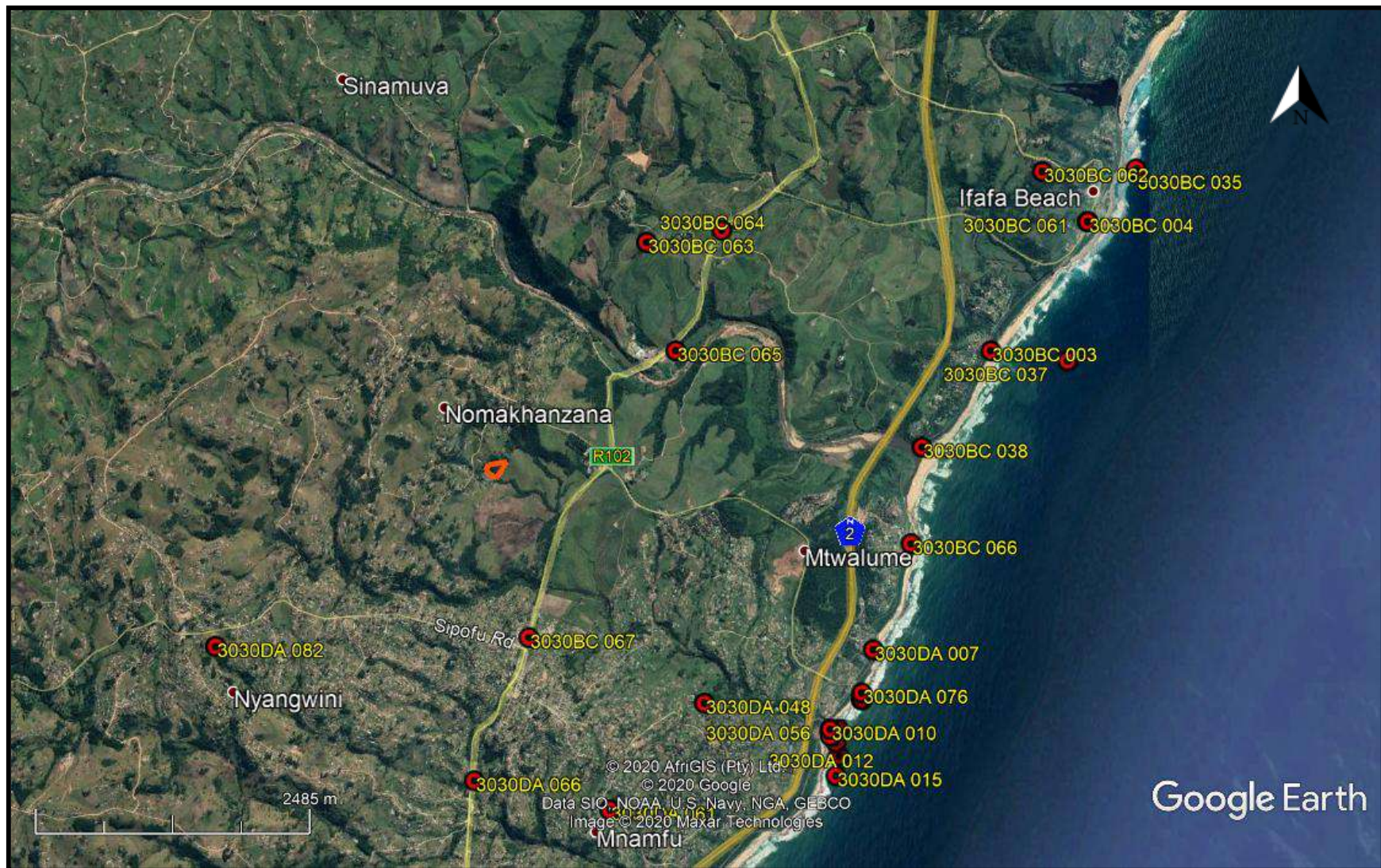


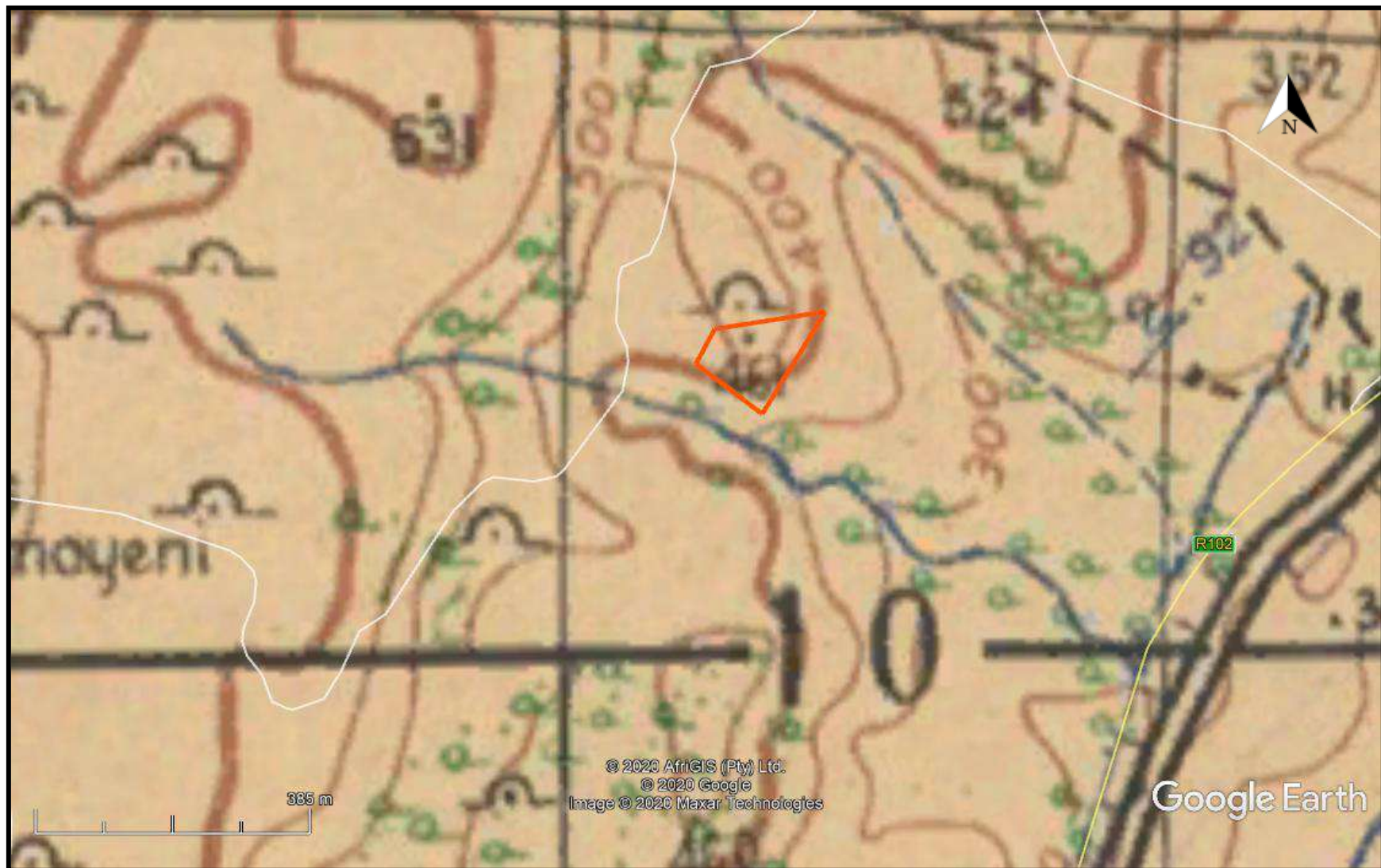


FIG. 6: STUDY AREA IN 1937





FIG. 7: STUDY AREA IN 1944



**FIG. 8: PALAEOLOGICAL SENSITIVITY OF THE STUDY AREA**

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

A mini desktop study for the proposed piggery was undertaken. The study area is of low heritage status and no further heritage mitigation should be undertaken.



### **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 stylized flourish above the name.

Gavin Anderson  
Archaeologist/Heritage Impact Assessor

