

Phase 1 Archaeological and Heritage Impact Assessment on the farm
Schoongezicht 66 KU in respect of proposed housing development,
Limpopo Province.

Compiled by:



For Henwood Environmental Solutions

Surveyor: Mr JP Celliers

11 May, 2021

I, Jean-Pierre Celliers as authorized representative of Kudzala Antiquity CC , hereby confirm my independence as a specialist and declare that neither I or the Kudzala Antiquity CC have any interest, be it business, financial, personal or other, in any proposed activity, application or appeal in respect of which I was appointed as Heritage Consultant, other than fair remuneration for work performed on this project.

SIGNATURE:

A handwritten signature in black ink, appearing to read 'J. Celliers', written over a horizontal line.

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Executive summary

Site name and location: An area of approximately 18 ha on the farm Schoongezicht 66 KU in respect of the proposed clearing of natural vegetation in order to construct a few houses.

Purpose of the study: An archaeological and heritage study in order to identify cultural heritage resources in respect of the establishment of a camp for tourism purposes.

Topographical Maps: 1:50 000 2431 AC (1960, 1986, 2008); 1:250 000 2430 (1942).

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Client:

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Report date: 11 May 2021

Description and findings:

An Archaeological and Heritage Impact Assessment was undertaken by Kudzala Antiquity CC in respect of the proposed establishment of a new camp and associated facilities on a few small sites within an area of approximately 18 hectares of the farm Schoongezicht 66 KU near Hoedspruit, Limpopo Province. The study was done with the aim of identifying sites which are of heritage significance on the identified project areas and assess their current preservation condition, significance and possible impact of the proposed action. This forms part of legislative requirements as appears in section 38 of the National Heritage Resources Act (Act No. 25 of 1999). This report can be submitted in support of the National Environmental Management Act (Act 25 of 1998).

The survey was conducted on foot and with the aid of a motor vehicle in an effort to locate archaeological remains and historic sites, structures and features. Archival information including scrutiny of previous heritage surveys of the area formed the baseline information against which the survey was conducted. Three locations, sites S1, S2 and S3, were documented, they consist of a family graveyard which has two marked graves and two existing houses, one of which (site S2) is possibly older than 60 years of age as it is indicated on a topographical map dated 1960. The graves are considered to be of high significance and it is recommended that the proposed activities not impact in any way on the graveyard, a buffer zone of at least 20 meters should be observed.

The older building (site S2) is not regarded as being of heritage significance but because of its age it is protected by the Act (25 Of 1999) and demolishing should be permitted. The second house is a modern building and is not within the ambit of the Act.

A single survey orientation location was documented, site SO 1, which includes a GPS location and photographs of the landscape at that particular location.

In terms of section 34 of the National Heritage Resources Act (NHRA, 25 of 1999), no significant buildings or structures were located. One house (site S1) is however older than 60 years and demolishing must be permitted.

In terms of section 35 of the NHRA, no significant archaeological sites or features were located.

In terms of section 36 of the NHRA, two graves were located.

It is not within the expertise of this report or the surveyor to comment on possible palaeontological remains which may be located in the study area.

Disclaimer: *Although all possible care is taken to identify all sites of cultural importance during the investigation of study areas, it is always possible that hidden or sub-surface sites could be overlooked during the study. Kudzala Antiquity CC will not be held liable for such oversights or for costs incurred as a result of such oversights.*

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- The results of the project;
- The technology described in any report; and
- Recommendations delivered to the client.

Introduction

1.1. Terms of reference

Kudzala Antiquity CC was commissioned to conduct an archaeological and heritage resources survey in respect of the proposed construction of a few new houses on small footprints within an area of approximately 18 hectares of the farm Schoongezicht 66 KU located near the town Hoedspruit, Limpopo Province. The survey was conducted in order to assess the potential impact that the proposed activity may have on archaeological and heritage resources. The survey was conducted for Henwood Environmental Solutions.

1.1.1 Project overview

The client is in the process of obtaining environmental authorization to clear indigenous vegetation in order to construct a few houses nearby the existing farmstead complex on the farm. Suitable areas within the identified footprint area are earmarked for this activity pending environmental authorization.

1.1.2. Constraints and limitations

The archaeological survey consisted of non-intrusive methods which exclusively rely on surface observations. Most of the project footprint area was relatively easy of access but certain areas were difficult to access due to dense vegetation growth which resulted in archaeological visibility being low.

1.2. Legislative Framework

The National Heritage Resources Act (NHRA) (Act No. 25, 1999) require that individuals or institutions have specialist heritage impact assessment studies undertaken whenever development activities are planned and such activities trigger activities listed in the legislation. This report is the result of an archaeological and heritage study in accordance with the requirements as set out in Section 38 (3) of the NHRA in an effort to ensure that heritage features or sites that qualify as part of the national estate are properly managed and not damaged or destroyed.

The study aims to address the following objectives:

- Analysis of heritage issues;
- Assess the cultural significance of identified places including archaeological sites and features, buildings and structures, graves and burial grounds within a specific historic context;
- Identifying the need for more research;
- Surveying and mapping of identified places including archaeological sites and features, buildings and structures, graves and burial grounds;
- A preliminary assessment of the feasibility of the proposed development or construction from a heritage perspective;
- Identifying the need for alternatives when necessary; and
- Recommending mitigation measures to address any negative impacts on archaeological and heritage resources.

Heritage resources considered to be part of the national estate include those that are of archaeological, cultural or historical significance or have other special value to the present community or future generations.

The national estate may include:

- places, buildings, structures and equipment of cultural significance;
- places to which oral traditions are attached or which are associated with living heritage;
- historical settlements and townscapes;
- landscapes and natural features of cultural significance;
- geological sites of scientific or cultural importance;
- archaeological and paleontological sites;
- graves and burial grounds including:
 - (i) ancestral graves;
 - (ii) royal graves and graves of traditional leaders;
 - (iii) graves of victims of conflict;
 - (iv) graves of individuals designated by the Minister by notice in the *Gazette*;
 - (v) historical graves and cemeteries; and other human remains which are not covered in terms of the Human Tissue Act, 1983 (Act No. 65 of 1983);
- sites of significance relating to slavery in South Africa;
- movable objects including:
 - (i) objects recovered from the soil or waters of South Africa, including archaeological and paleontological objects and material, meteorites and rare geological specimens;
 - (ii) objects to which oral traditions are attached or which are associated with living heritage

- (iii) ethnographic art and objects;
- (iv) military objects
- (v) objects of decorative or fine art;
- (vi) objects of scientific or technological interest; and
- (vii) books, records, documents, photographic positives and negatives, graphic, film or video material or sound recordings, excluding those that are public records as defined in section 1 of the National Archives of South Africa Act, 1996 (Act No. 43 of 1996).

Cultural resources are unique and non-renewable physical phenomena (of natural occurrence or made by humans) that can be associated with human (cultural) activities (Van Vollenhoven 1995:3). These would be any man-made structure, tool, object of art or waste that was left behind on or beneath the soil surface by historic or pre-historic communities. These remains, when studied in their original context by archaeologists, are interpreted in an attempt to understand, identify and reconstruct the activities and lifestyles of past communities. When these items are removed from their original context, any meaningful information they possess is lost, therefore it is important to locate and identify such remains before construction or development activities commence.

1.3. Approach and statutory requirements

The SAHRA Minimum standards of 2007 guideline document, forms the background against which the survey was planned and the report compiled. An Archaeological Impact Assessment (AIA) consists of three phases. This document deals with the first phase. This (phase 1) investigation is aimed at getting an overview of cultural resources in the project area, assigning significance to these resources, assessing the possible impact that the proposed activity may have on these resources, making recommendations pertaining to the management of heritage resources and putting forward mitigation measures where applicable.

When the archaeologist or heritage specialist encounters a situation where the planned project will lead to the destruction or alteration of an archaeological/ heritage site or feature, a second phase investigation is normally recommended. During a phase two investigation mitigation measures are put in place and detailed investigation into the nature of the cultural material is undertaken. Often at this stage, archaeological excavation and detailed mapping of a site is carried out in order to document and preserve the cultural heritage.

Phase three consists of the compiling of a management plan for the safeguarding, conservation, interpretation and utilization of cultural resources (Van Vollenhoven, 2002).

Continuous communication between the developer and heritage specialist after the initial assessment has been carried out may result in the modification of a planned route or development to incorporate or protect existing archaeological and heritage sites.

2. Description of surveyed area

The study area is located south-east of the town of Hoedspruit and located south of the Klaserie Private Nature Reserve. It is within the boundaries of Limpopo Province.

The survey was carried out on a project footprint consisting of approximately 18 hectares of Granite Lowveld vegetation.

Landscape: Natural and wetland vegetation previously Granite Lowveld vegetation and soils.

Visibility: Good-Poor in certain areas due to dense vegetation cover.

Veld type: The vegetation is classed as Granite Lowveld comprising tall shrubland with few trees to moderately dense woodland on the deep sandy uplands with *Terminalia sericea*, *Combretum zeyheri* and *C. Tricholaena Eragrostis rigidior*. Dense thicket to open savanna in the bottomlands. The dense herbacious layer contains the dominant *Digitaria eriantha*, *Panicum maximum* and *Astrida congesta* on fine-textured soils. The brackish bottomlands support *Sporobolus nitens*, *Urochloa mosambicensis* and *Chloris virgata* (Mucina and Rutherford, 2009).

Geology and soils: Swazian Goudplaats Gneiss, Makhutswi Gneiss and Nelspruit Suite occur from north to south. Further south, the younger Mpuluzi Granite form the major base geology of the area. Archaean gneiss and granite weather into sandy soils in the uplands and clayey soils with high sodium content in the lowlands.

3. Methodology

This study consists of a detailed archival study in order to understand the study area in a historical timeframe, an archaeological background study which include scrutiny of previous archaeological reports of the area, obtained through the SAHRIS database, and published as well as unpublished written sources on the archaeology of the area, social consultation with people who live nearby and a lastly a physical survey of the affected and immediate area.

The South African Heritage Resources Agency (SAHRA) and the relevant legislation (NHRA) require that the following components be included in an archaeological impact assessment:

- Archaeology;
- Shipwrecks;
- Battlefields;
- Graves;
- Structures older than 60 years;
- Living heritage;
- Historical settlements;
- Landscapes;
- Geological sites; and
- Paleontological sites and objects.

All the above-mentioned heritage components are addressed in this report, except shipwrecks, geological sites and paleontological sites and objects.

The **purpose** of the archaeological, archival and heritage study is to establish the whereabouts and nature of cultural heritage sites should they occur on project area. This includes settlements, structures and artefacts which have value for an individual or group of people in terms of historical, archaeological, architectural and human (cultural) development.

The **aim** of this study is to locate and identify such objects or places in order to assess and rate their significance and establish if further investigation is needed. Mitigation measures can then be suggested and put in place when necessary.

3.1. Archaeological and Archival background studies

The purpose of the desktop study is to compile as much information as possible on the heritage resources of the area. This helps to provide an historical context for located sites. Sources used for this study include published and unpublished documents, archival material and maps. Information obtained from the following institutions or individuals were consulted:

- Published and unpublished archaeological reports and articles;
- Published and unpublished historical reports and articles;
- Archival documents from the National Archives in Pretoria;
- Historical maps; and
- South African Heritage Resource Information System (SAHRIS) database.

3.1.1. Previous archaeological studies in the area

Some archaeological impact assessments (AIA's) and heritage impact assessments have been done in the vicinity of the proposed development area.

In 2002 Mr FP Coetzee conducted an Archaeological Investigation on Antwerpen Game Farm in the Hoedspruit District. He did find some Middle Stone Age and early Iron Age remains in an erosion donga on the farm which is approximately 6000 hectares in extent.

In 2003 Mr F Roodt compiled a report in respect of a lodge development on the farm Avoca 88 for R&R Cultural Resources Consultants. He found some pottery fragments which were eroded from a nearby anthill. He did not ascribe any significance to the fragments.

In 2005 Dr Udo Küssel conducted a "*Cultural Heritage Resources Impact Assessment of a Portion of Kapama Hoedspruit (Guernsey 81 KU Portions 6, 34, 98, 109, 56, 204 and 210)*". He stated that "except for a few isolated Stone Age flakes no important cultural heritage resources could be found".

3.1.2. Historic maps

Historical maps were scrutinized and features that were regarded as important in terms of heritage value were identified and if they were located within the boundaries of the project area they were physically visited in an effort to determine:

- (i) whether they still exist;
- (ii) their current condition; and
- (iii) Significance.

3.1.3. Physical survey

- The survey of the proposed project area was conducted on 30 April 2021
- The survey took one day to complete.
- The documented sites were numbered sequentially.
- Sites were recorded by using a handheld Garmin Oregon 450 GPS unit and the unit was given time to reach an accuracy of at least 5 metres.

- Sites were plotted on 1:50 000 topographical maps which are geo-referenced (WGS 84) and also on Google Earth.
- No sites of archaeological or heritage significance were located. Two graves were documented. A survey orientation location was mapped and photographed for survey purposes.

3.2. Social Consultation

Social consultation forms an important part of identifying sites which may be of heritage significance. The current farm Manager of Schoongezicht, Mr Hannes Snyman, was consulted about the presence of heritage sites within the project area. He pointed out the two family graves and stated that to his knowledge there are no additional heritage sites or graves present within the proposed project area.

3.3. Heritage site significance

The South African Heritage Resources Agency (SAHRA) formulated guidelines for the conservation of all cultural resources (sections 6 and 7 of the NHRA, 1999) and therefore also divided such sites into three main categories. These categories might be seen as guidelines that suggest the extent of protection a given site might receive. They include sites or features of local (Grade 3) provincial (Grade 2) national (Grade 1) significance, grades of *local significance* and *generally protected* sites with a variety of degrees of significance.

For practical purposes the surveyor uses his own classification for sites or features and divides them into three groups, those of low or no significance, those of medium significance and those of high significance (**Also see table 5.2. Significance rating guidelines for sites**).

Values used to assign significance and impact characteristics to a site include:

- **Types of significance**

The site's scientific, aesthetic and historic significance or a combination of these is established.

- **Degrees of significance**

The archaeological or historic site's rarity and representative value is considered. The condition of the site is also an important consideration.

- **Spheres of significance**

Sites are categorized as being significant in the international, national, provincial, regional or local context. Significance of a site for a specific community is also taken into consideration.

To arrive at the specific allocation of significance of a site or feature, the specialist considers the following:

- Historic context;
- Archaeological context or scientific value;
- Social value;
- Aesthetic value; and
- Research value.

More specific criteria used by the specialist in order to allocate value or significance to a site include:

- The unique nature of a site;
- The integrity of the archaeological deposit;
- The wider historic, archaeological and geographic context of the site;
- The location of the site in relation to other similar sites or features;
- The depth of the archaeological deposit (when it can be determined or is known);
- The preservation condition of the site;
- Quality of the archaeological or historic material of the site; and
- Quantity of sites and site features.

Archaeological and historic sites containing data, which may significantly enhance the knowledge that archaeologists currently have about our cultural heritage, should be considered highly valuable. In all instances these sites should be preserved and not damaged during construction activities. However, when development activities jeopardize the future of such a site, a second and third phase in the Cultural Resource Management (CRM) process is normally advised. This entails the excavation or rescue excavation of cultural material, along with a management plan to be drafted for the preservation of the site or sites.

Graves are considered very sensitive sites and should never under any circumstances be jeopardized by development activities. Graves and burial grounds are incorporated in the NHRA under section 36 and in all instances where graves are found by the surveyor, the recommendation would be to steer clear of these areas. If this is not possible or if construction activities have for some reason damaged graves, specialized consultants are normally contacted to aid in the process of exhumation and re-interment of the human remains.

4. History and Archaeology

4.1. Historic period

4.1.1. Early History

In Southern Africa the domestication of the environment began only a couple of thousands of years ago, when agriculture and herding were introduced. At some time during the last half of the first millennium BC, people living in the region where Botswana, Zambia and Angola are today, started moving southward, until they reached the Highveld and the Cape in the area of modern South Africa. As time passed and the sub-continent became fully settled, these agro-pastoralists, who spoke Bantu languages, started dominating all those areas which were ecologically suitable for their way of life. This included roughly the eastern half of modern South Africa, the eastern fringe of Botswana and the north of Namibia. Historians agree that the earliest Africans to inhabit in the Lowveld in Mpumalanga were of Nguni origin.

Up until the 1930s, malaria would have occurred sporadically in the study area during the rainy season. During the first half of the nineteenth century, Tsetse flies also thrived in this area. Pastoralists would have avoided the moist low-lying valleys and thickly wooded regions where these insects preferred to congregate. It is unlikely that populations would be dense in areas where malaria and the “sleeping sickness” transferred by Tsetse flies was a constant threat to humans and their stock (Bergh 1999: 3; Shillington 1995: 32).

In a few decades, the course of history in the old Transvaal province would change forever. The Difaqane (Sotho), or Mfekane (“the crushing” in Nguni) was a time of bloody upheavals in Natal and on the Highveld, which occurred around the early 1820s until the late 1830s. It came about in response to heightened competition for land and trade, and caused population groups like gun-carrying Griquas and Shaka’s Zulus to attack other tribes.

During the time of the Difaqane, a northwards migration of white settlers from the Cape was also taking place. Some travellers, missionaries and adventurers had gone on expeditions to the northern areas in South Africa – some as early as the 1720’s. One such an adventurer was Robert Schoon, who formed part of a group of Scottish travellers and traders who had travelled the northern provinces of South Africa in the late 1820s and early 1830s. Schoon had gone on two long expeditions in the late 1820’s and once again ventured eastward and northward of Pretoria in 1836 (Bergh, 1999: 13, 116-121).

By the late 1820s, a mass-movement of Dutch speaking people in the Cape Colony started advancing into the northern areas. This was due to feelings of mounting dissatisfaction caused by

economical and other circumstances in the Cape. This movement later became known as the Great Trek. This migration resulted in a massive increase in the numbers of people of European descent. As can be expected, the movement of whites into the Northern provinces would have a significant impact on the local farmer – herders who populated the land.

By 1860, the population of Europeans in the central Transvaal was already very dense and the administrative machinery of their leaders was firmly in place. Many of the policies that would later be entrenched as legislation during the period of apartheid had already been developed (Ross 2002: 39; Bergh, 1999: 170).

However, relations were at times also interdependent in nature. After the Great Trek, when European farmers had settled at various areas in the northern provinces, wealthier individuals were often willing to lodge needy white families on their property in exchange for odd jobs and commando service. These “bywoners” often arrived with a family and a few cows. He would till the soil and pay a minimal rent to the farmer from the crops he grew. The farmer did not consider him a labourer, but mostly kept workers for hard labour on the farm.

The discovery of gold in South Africa had a major impact in the region. In 1873 gold was discovered in Pilgrims Rest, 80 kilometres north of Nelspruit. This drew scores of prospectors into the region. The establishment of Barberton in 1884, after the discovery of the Sheba gold reef, also brought about greater activity in the area. The Nelspruit settlement first received official recognition in August 1884 (South African History Online 2013).

4.1.2. Colonial settlement

The Groot Trek of the Voortrekkers started with the Tregardt- van Rensburg trek in 1835. The two men met where Tregardt and his followers crossed the Orange River at Buffelsvlei (Aliwal North). Here van Rensburg joined the trek northwards. On August 23, 1837 the Tregardt trek left for Delagoabay from the Soutpansberg. They travelled eastwards alongside the Olifants River to the eastern foothills of the Drakensberg. From here they travelled through the Lowveld and the current Kruger National Park where they eventually crossed the Lebombo mountains in March 1838. They reached the Fortification at Lourenço Marques on 13 April 1838 (Bergh, 1998:124-125).

Permanent European (Voortrekker) settlement of the eastern areas of Mpumalanga can be traced back to a commission under the leadership of A.H. (Hendrik) Potgieter who negotiated with the Portuguese Governor at Delagoabaai in 1844 for land. It was agreed that these settlers could settle in an area that was four days journey from the east coast of Africa between the 10° and 26° south latitudes. Voortrekkers started migrating into the area in 1845. Andries-Ohrigstad was the first town established in this area in July 1845 after the Voortrekkers successfully negotiated for

land with the Pedi Chief Sekwati. Farms were given out as far west as the Olifants River. The western boundary was not officially defined but at a Volksraad meeting in 1849 it was decided that the Elands River would be the boundary between the districts of Potchefstroom and Lydenburg as this eastern portion of the Transvaal was then known (Bergh, 1998).

Due to internal strife and differences between the various Voortrekker groups that settled in the broader Transvaal region, the settlers in the Ohrigstad area now governed from the town of Lydenburg decided to secede from the Transvaal Republic in 1856. The Republic of Lydenburg laid claim to a large area that included not only the land originally obtained from the Pedi Chief Sekwati in 1849 but also other areas of land negotiated for from the Swazis. The Republic of Lydenburg was a vast area and stretched from the northern Strydpoort mountains to Wakkerstroom in the south and Bronkhortsspruit in the west to the Swazi border and the Lebombo mountains east.

As can be expected, the migration of Europeans into the north would have a significant impact on the indigenous people who populated the land. This was also the case in Mpumalanga. In 1839 Mswati succeeded Sobhuza (also known as Somhlomo) as king of the Swazi. Threatened by the ambitions of his half-brothers, including Malambule, who had support from the Zulu king Mpande, he turned to the Ohrigstad Boers for protection. He claimed that the land that the Boers had settled on was Swazi property. The Commandant General of the Ohrigstad settlement, Andries Hendrik Potgieter, responded that the land was ceded to him by the Pedi leader Sekwati, in return for protection of the Pedi from Swazi attacks (Giliomee, 2003).

However, in reaction to the increasingly authoritarian way in which Potgieter conducted affairs at Ohrigstad, the Volksraad of Ohrigstad saw Mswati's offer as a means to obtain more respectable title deeds for the property (Bonner, 1978). According to a sales contract set up between the Afrikaners and the Swazi people on 25 July 1846, the whites were the rightful owners of the land that had its southern border at the Crocodile River, which stretched out in a westerly direction up to Elandspruit; of which the eastern border was where the Crocodile and Komati rivers joined and then extended up to Delagoa bay in the north (Van Rooyen, 1951). The Europeans bought the land for a 100 heads of cattle (Huyser).

4.1.3. History of the Anglo Boer War (1899-1902) in the area

The discovery of diamonds and gold in the Northern provinces had very important consequences for South Africa. After the discovery of these resources, the British, who at the time had colonized the Cape and Natal, had intentions of expanding their territory into the northern Boer republics. This eventually led to the Anglo-Boer War, which took place between 1899 and 1902 in South Africa, and which was one of the most turbulent times in South Africa's history.

Even before the outbreak of war in October 1899 British politicians, including Sir Alfred Milner and Mr. Chamberlain, had declared that should Britain's differences with the Z.A.R. result in violence, it would mean the end of republican independence. This decision was not immediately publicised, and as a consequence republican leaders based their assessment of British intentions on the more moderate public utterances of British leaders. Consequently, in March 1900, they asked Lord Salisbury to agree to peace on the basis of the status quo ante bellum. Salisbury's reply was, however, a clear statement of British war aims (Du Preez, 1977).

During the British advance between February to September 1900, Lord Roberts replaced Genl. Buller as the supreme commander and applied a different tactic in confronting the Boer forces instead of a frontal attack approach he opted to encircle the enemy. This proved successful and resulted for instance in the surrender of Genl. Piet Cronje and 4000 burghers at Paardeberg on 27 February 1900.

This was the start of a number of victories for the British and shortly after they occupied Pretoria on 5 June 1900, a skirmish at Diamond Hill resulted in the Boer forces under command of Louis Botha, retreated alongside the Delagoa Bay railway to the east. Between the 21-27 August, Botha and 5000 burghers defended their line at Bergendal but were overwhelmed by superior numbers and artillery. This resulted in the Boer forces retreating even further east and three weeks later the British reached Komatipoort and thus the whole of the Eastern Transvaal south of the Delagoa Bay railway line was now occupied by British Forces.

General Louis Botha, with his Boer forces, marched through Nelspruit on 11 September 1900. A week later, on 18 September 1900, the British battalion of Lieutenant General F. Roberts arrived in Nelspruit. No major skirmishes in the war took place near Nelspruit, but a concentration camp for black people was established a small distance to the north of the town. Another event of import in the area was the arrival of the President of the Transvaal, Paul Kruger, in Nelspruit on 29 May 1900, where he received a message saying Lord Roberts had annexed the Transvaal. Kruger declared the annexation illegitimate on 3 September 1900, the same day that Nelspruit was proclaimed as the administrative capital of the Transvaal Republic. Kruger left Nelspruit in June of that year in order to board a ship to Swaziland (Bergh, 1999: 51; 54).

4.1.4. Railway history in the Eastern Lowveld

By June 1892, the new railway constructed from Lourenco Marques to Pretoria, reached Nelspruit. In November 1891 the Hall family opened a new hotel, mainly to accommodate railway construction workers. This hotel was moved to the centre of the town in June 1892 and was named the Fig Tree Hotel.

Railway expansion continued up until the Anglo-Boer War (1899-1902) and thereafter (Bergh, 1999). After the establishment of the Union of South Africa on 31 May 1910 the Transvaal had the most railway track in terms of distance. Some 2 730km of railway connected the economic centres of this province. Railways made a huge contribution towards economic development especially in the Witwatersrand area where it served as important platform for mining and industrial development (Bergh, 1999).

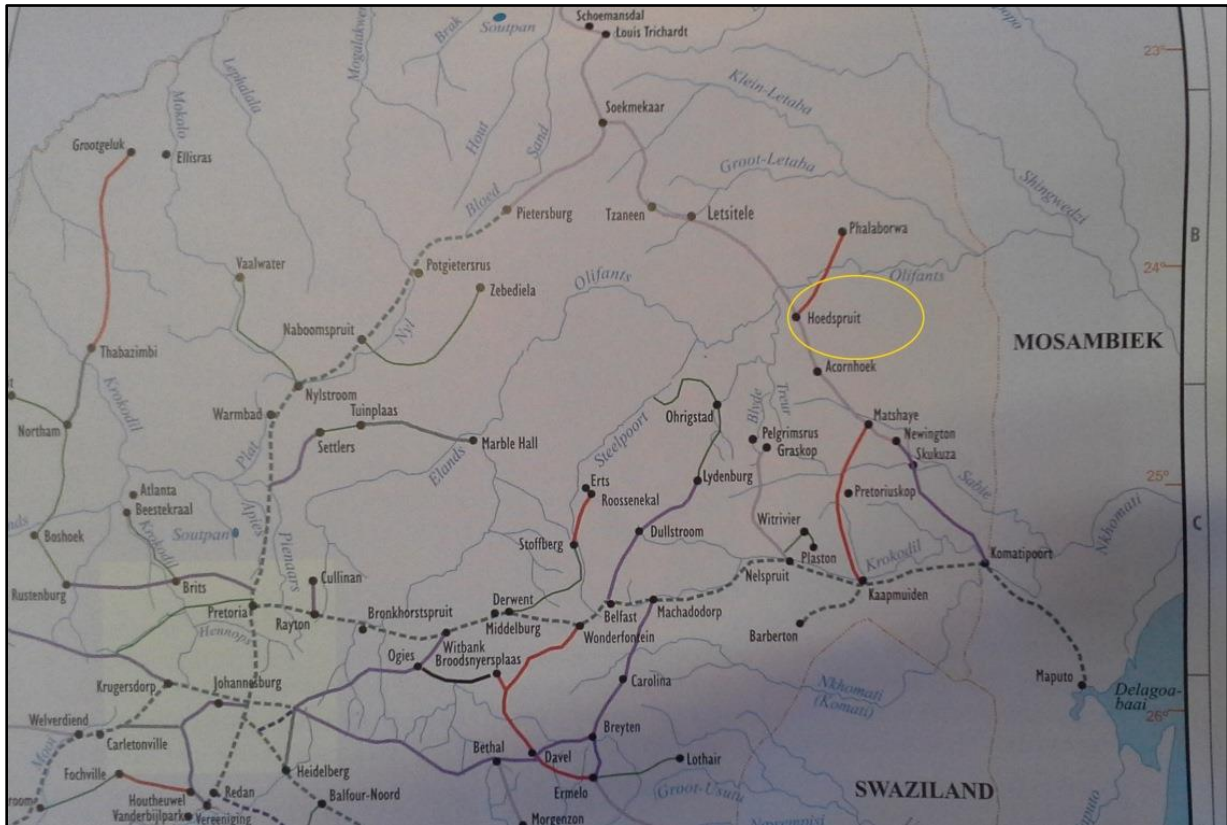


Figure 4.1. Railway development in the Transvaal, 1889-1980 (Bergh, 1999: 79)

The decade after establishment of the Union is characterised by a sharp increase in railway development especially between 1911 – 1916, after which a period of inactivity followed due to the First World War (Bergh, 1999). Most of the development took place in the Eastern Transvaal and five railway lines were constructed in order to promote the growing agricultural industry.

Ermelo was linked with Piet Retief and further to the south with Comondale and Vryheid in Natal (Fig. 4.1.). The Komatipoort – Newington line was extended and passed over Acornhoek, Hoedspruit, Letsitele, Tzaneen and Soekmekaar where it connects with the northern line from Pietersburg towards Louis Trichardt and Schoemansdal (Bergh, 1999).

4.1.5. Historic maps of the study area

Since the mid-1800s up until the present, South Africa has been divided and re-divided into various districts. Since 1845, the property under investigation formed part of the Lydenburg district. By 1902 the farm was under the jurisdiction of the Ohrigstad ward of the Lydenburg district. As of 1924, the property formed part of the Pilgrims Rest District and currently, it falls within the Mopani District of the Limpopo Province (Bergh, 1999: 17, 20-27; Mopani District Municipality, 2021).

From 1868 to 1924 the farm was known as Schoongezicht 490, ward Origstadsrivier. From 1924 to 1950 the farm was known as Schoongezicht 490 Pilgrims Rest District and since 1950, the farm has been known as Schoongezicht 66 KU.

The two towns that are situated closest to the study area are Hoedspruit and Phalaborwa. The first official landowner of the farm Hoedspruit was Dawid Johannes Joubert. He arrived in the Lowveld in 1844 and settled in the area between the Blyde River and what is now known as the Zandspruit River. In 1848 Joubert registered the farm at the land office in Ohrigstad. The town came into being during the mid-1800s (Hoedspruit N/d).

Phalaborwa is located about 45 kilometres to the north of Schoongezicht. This town was built on the site of centuries old mining operations. It was laid out on the farm Laaste and proclaimed in July 1857. It is believed that the name means “it is better here than in the south”, referring to the peaceful existence refugees enjoyed there after fleeing from the Swazi and Zulu tribes, who were terrorizing tribes further south during the Difaqane period (Raper, 2014: 364).

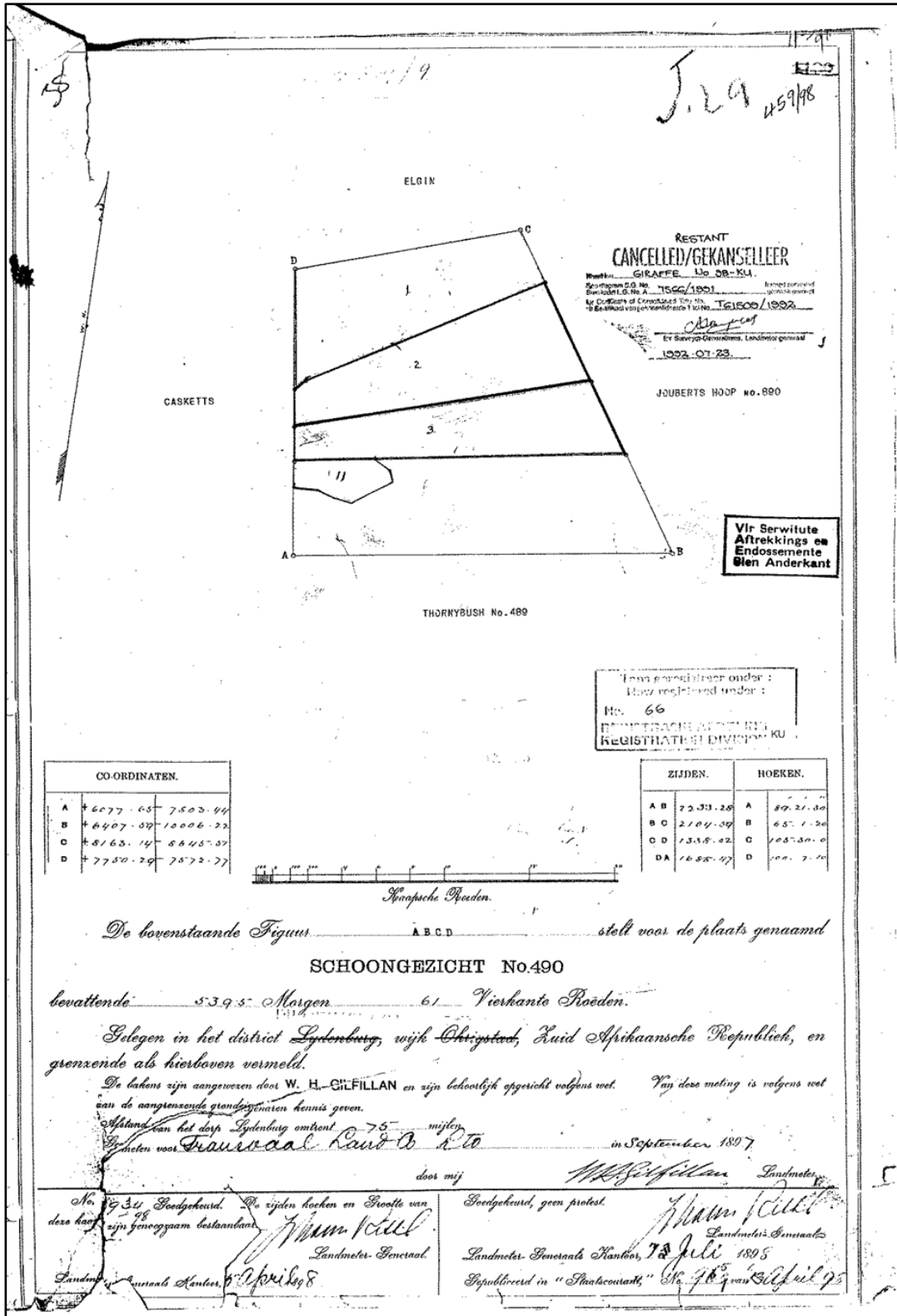


Figure 4.2. A Landmeter General map of farm Schoongezicht 490, dated 1898. At the time Schoongezicht 66 KU was known as Schongezicht 490 Lydenburg District, Wyk Origstad. The various portions making up the farm can be seen (Chief Surveyor-General, 2021).

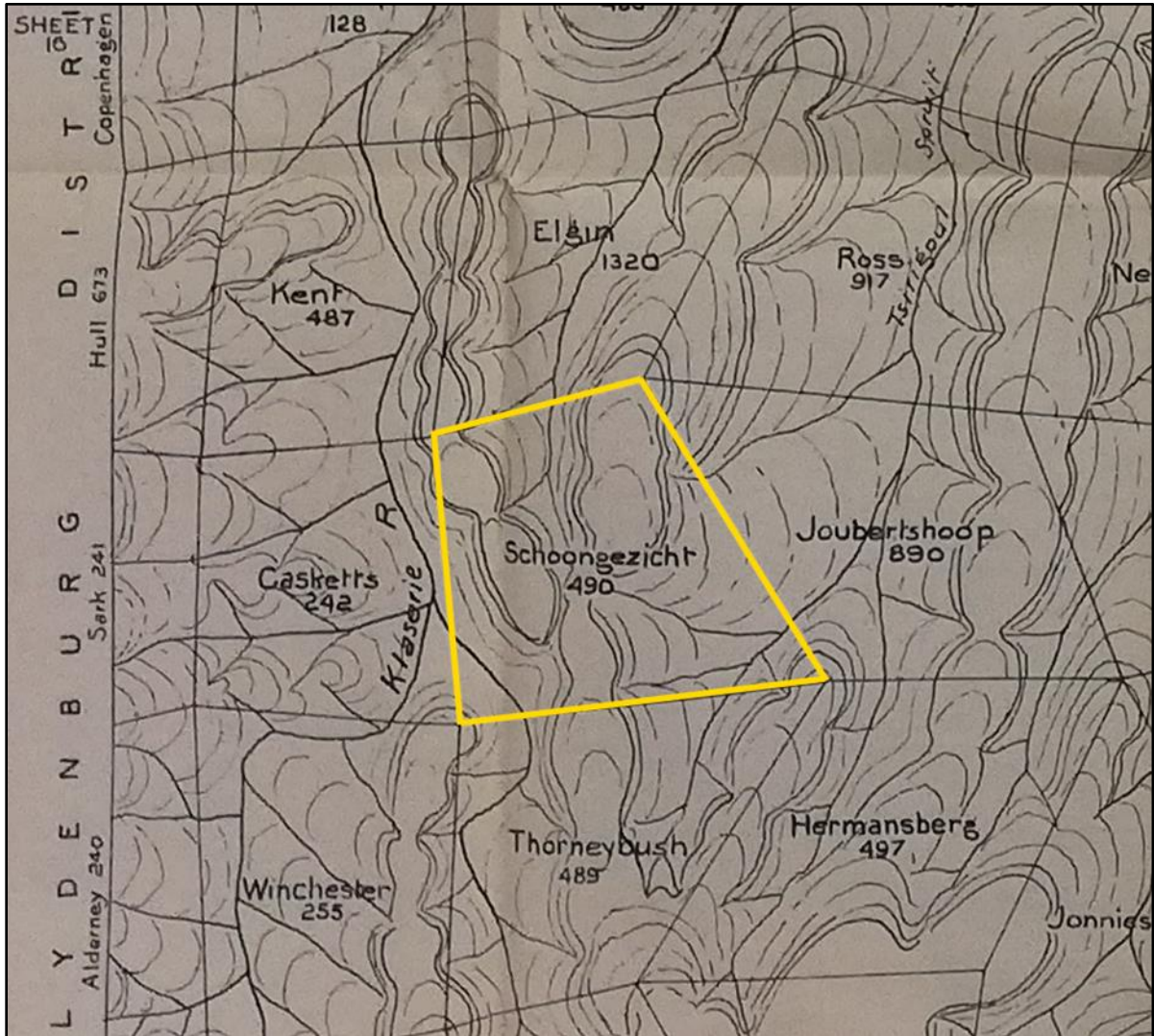


Figure 4.3. A Major Jackson map of the Olifants River area in the year 1904. The farm Schoongezicht is indicated with a yellow border. No buildings or other developments are indicated on the farm (Surveyor General, 1904).

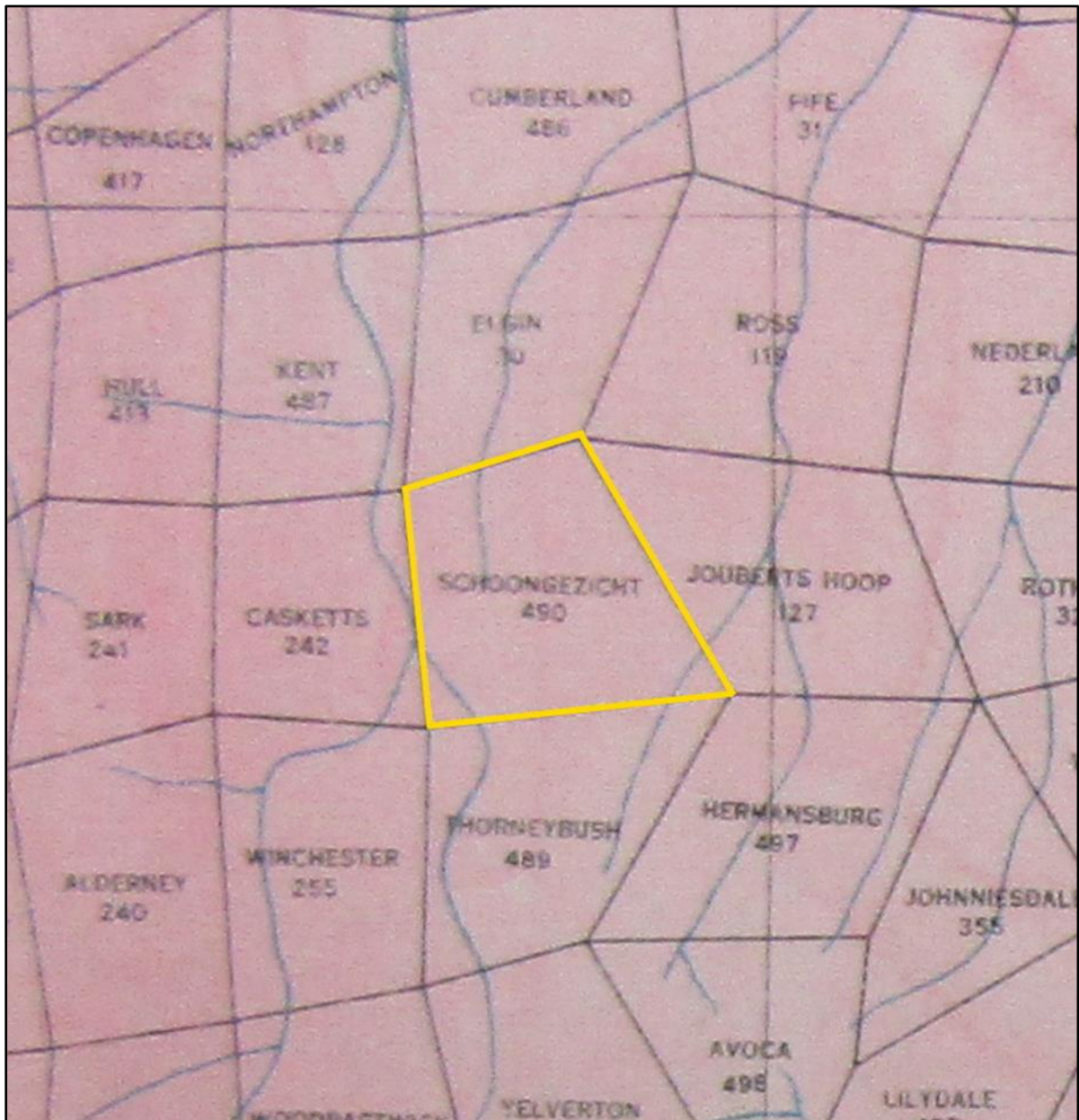


Figure 4.4. Map of the Kruger National Park and surrounds, dated approximately 1930. At the time, the farm under investigation was known as Schoongezicht 490 (NARSSA Maps: 3/1254).

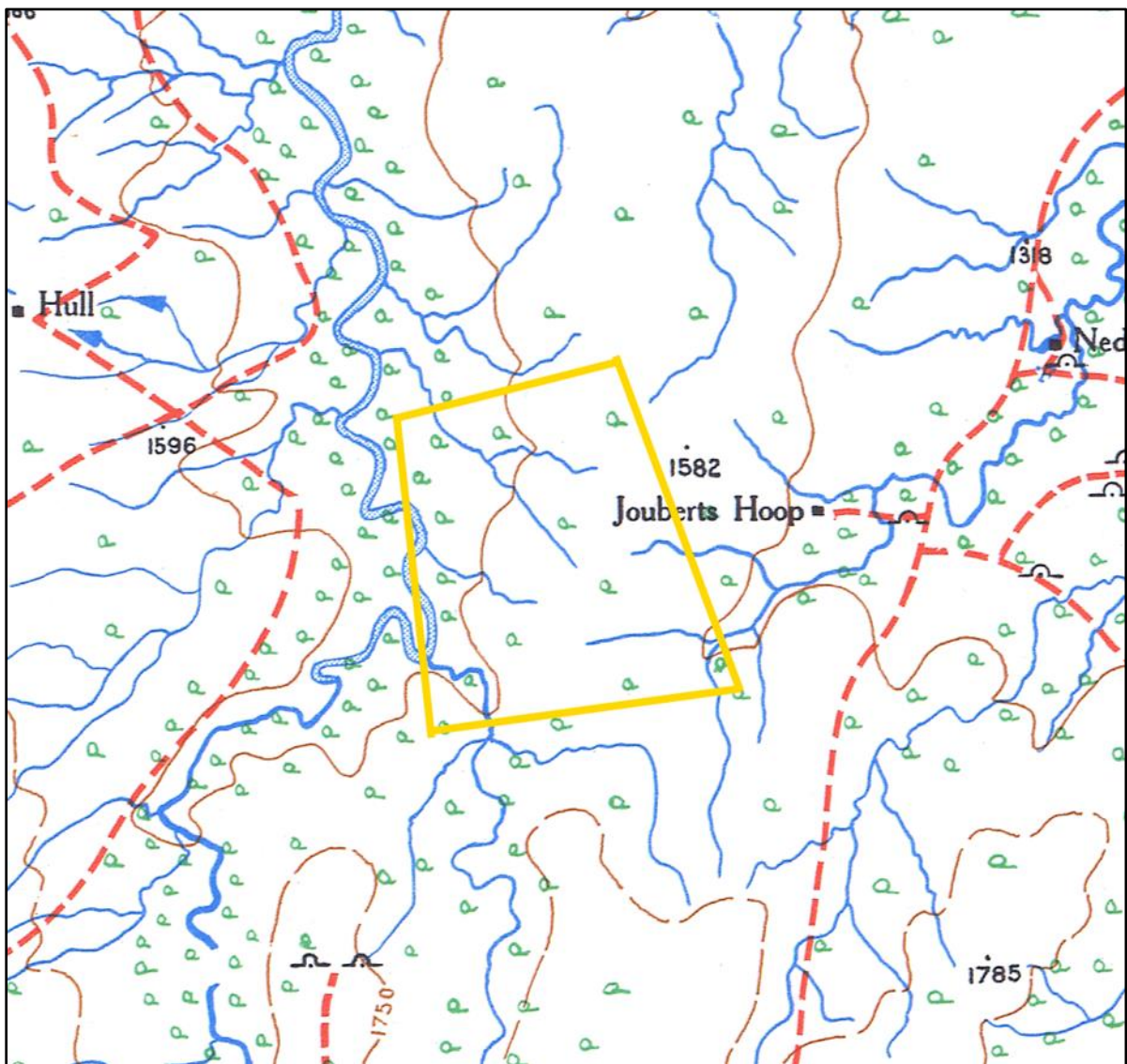


Figure 4.5. A Topographical map of the area under investigation, dated 1942. By this time the farm was known as Schoongezicht 66 KU. A yellow border shows the approximate location of the farm. The Klaserie River can be seen on the eastern border of the farm. No buildings or other developments can be seen and the whole farm consisted of natural bush (Topographical Map, 1942).

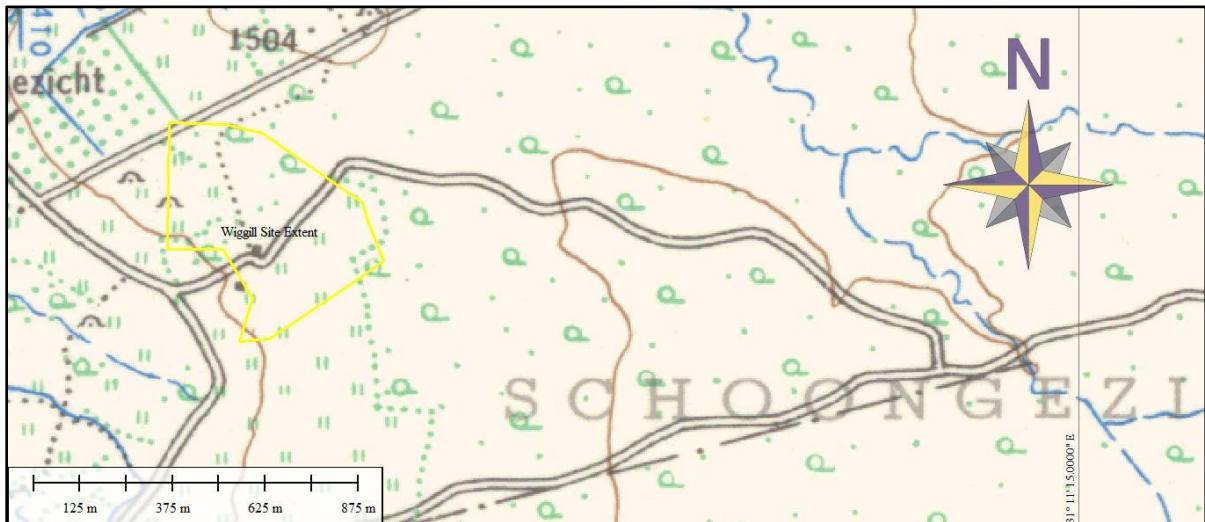


Figure 4.6. A Topographical map of the area under investigation. The study area is indicated with a yellow border. By this time the farm was known as Schoongezicht 66 KU. Two huts can be seen to the northeast and two buildings to the south east. A road to the north and another to the south is also visible. Most of the study area consists of cultivated land with several orchards nearby the study area and along the river (Topographical Map, 2431 AC, 1960).

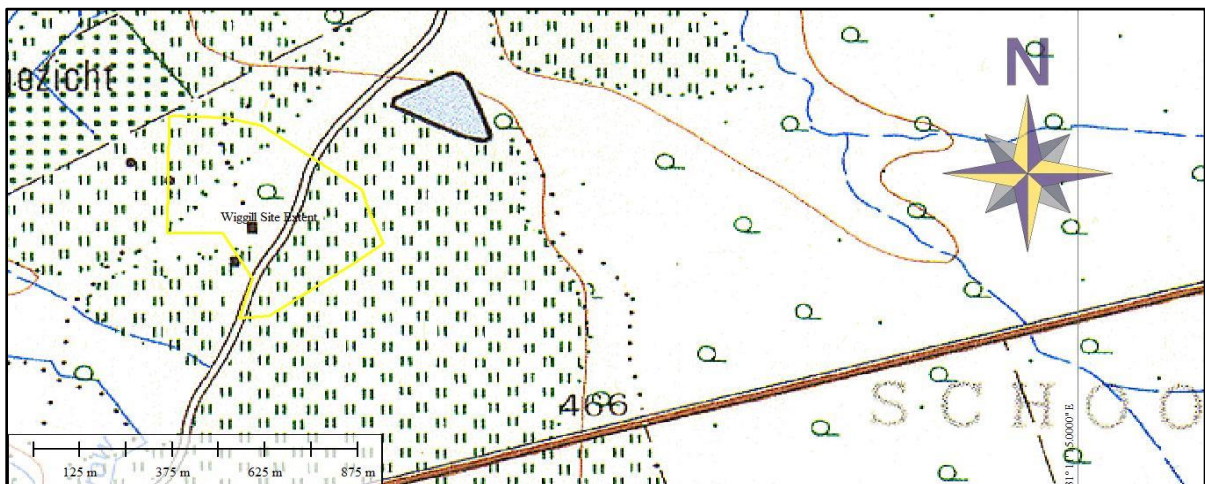


Figure 4.7. Topographical map of the area under investigation in the year 1986. The study area is indicated with a yellow border. The center of the study area consists of natural bush, whilst the south and north consists of cultivated land. Two buildings are visible one inside the study area and the other just south of it. A single road can be seen in the center of the study area (Topographical Map, 2431 AC, 1986).

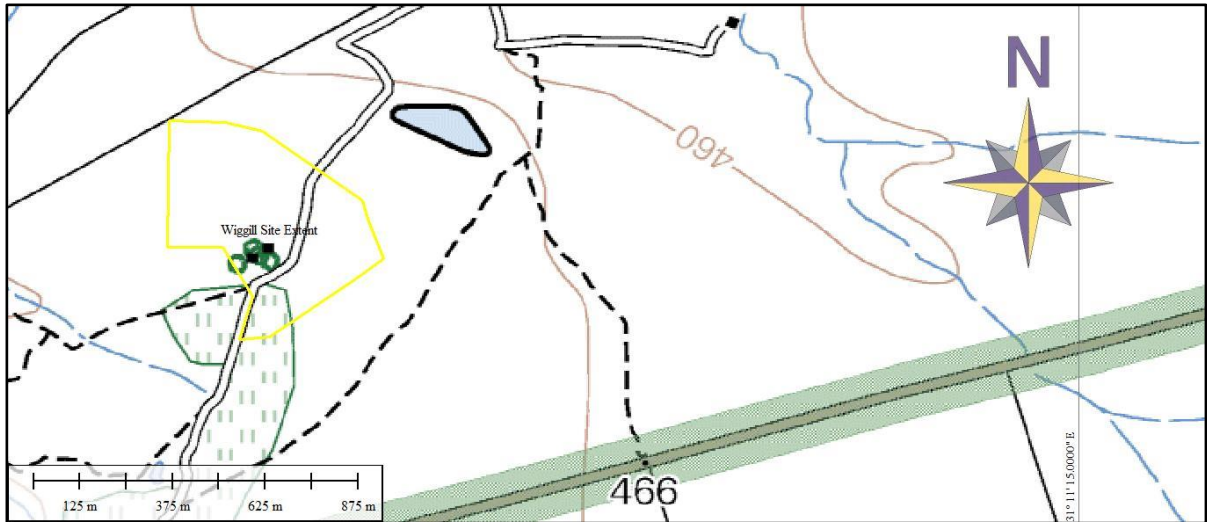


Figure 4.8. Topographical map of the area under investigation in the year 2008. The study area is indicated with a yellow border. Two buildings surrounded by trees can be seen just north-west of the road which traverses the study area. Cultivated land can be seen in the south. (Topographical Map, 2431 AC, 2008).

4.1.6. Historical overview and development of the farm Schoongesicht 66 KU

Online sources and information found at the National Archives Repository of South Africa were used to compile an historical overview of the property and the surrounding area. Firstly, a record of historical landowners will be provided. Thereafter follows a discussion of how the study area and surrounds was historically used and developed.

Record of historical landowners

Schoongezicht 490, ward Ohrigstadrivier, was first inspected by P. D. de Villiers on 29 July 1868 and again by P. B. Swart, on 6 August 1995. According to P.B. Swart, the property measured 4000 morgen. The title deed to Schoongezicht 490 was first granted to Cornelus Johannes de Beer on 10 December 1869. The following details could be found regarding subsequent landowners:

Entry number	Date of transfer	Portion	Transported from	Transported to
2	10/12/1869	Farm	Cornelus Johannes de Beer	Henry Austin
3	10/12/1869	Farm	Estate Late Henry Austin	Robert Cottle Green
4	10/1/1870	Farm	Robert Cottle Green	Oscar Wilhelm Alric Forssman
5	23/4/1889	Farm	Oscar Wilhelm Alric Forssman	William James Thompson

6	1920	Farm	Transvaal Land Consolidated	Isaac Alias Judes
7	1920	Farm	Isaac Alias Judes	Transvaal Consolidated Land Exploration Co. Ltd.
8	1923	Farm	Transvaal Consolidated Land Exploration Co. Ltd.	Transvaal Estates and Development Co. Ltd
9	1929	Farm	Transvaal Estates and Development Co. Ltd	African European Investment Coy. Ltd.
10	1944	Portion 1	African European Investment Coy. Ltd.	Clifford Walter Schweiger
11	1944	Portion 2	African European Investment Coy. Ltd.	Alric Archibald Wiggill
12	1944	Portion 3	African European Investment Coy. Ltd.	Johannes Kooy
13	1944	Rem. Ext.	African European Investment Coy. Ltd.	Jan Jacob Stephanus Wassenaar

(NARSSA TAB, RAK: 2900; NARSSA TAB, RAK: 2941)

No further details regarding historical landowners could be found for the period 1944 – 1976.

On 17 June 1976, portion 2 of the farm Schoongezicht 66 KU was registered in the name of Funny Fancies Prop Pty. Ltd. and it is still the owner of this property (Windeed Search Engine, 2021).

History of land use

Little information could be found in the National Archives that specifically deals with the settlement and development of the farm Schoongezicht 66 KU, however, given its location, the history of this farm is invariably closely linked to the history of the Kruger National Park and the private nature reserves in the area.

The Kruger National Park was proclaimed in 1926 and brought with it a greater conservation awareness in South Africa. A section of land lying to the west of the Park, between the Sabie River in the south and the Olifants River in the north, was the area where the concept of private nature reserves was born. Charles Boyed Varty and Frank A. Unger, both fervent wildlife lovers, purchased the farm Sparta, in the present Sabi Sand Wildtuin, and proceeded to pioneer the “game farm” idea in this area (Klaserie Reserve, 2018).

In 1934, some landowners who desired the establishment of a scheme of co-operative game protection, applied to the Transvaal Land Owners Association for help. This organisation administrated unoccupied agricultural and game farms for individuals and groups, among other things. The “Game Ordinance” was consequently founded in 1935. By the mid-1940s this ordinance had however become obsolete, as modern methods of transport and hunting increased the risk of over hunting. In 1947, the Division of Nature Conservation was established to assist with the protection of wildlife resources in the country (Klaserie Reserve, 2018).

In 1950, the Klaserie River Irrigation District was proclaimed, and it included all the farms along the Klaserie River south of the Klaserie Private Nature Reserve (NASA SAB, BAO: 10984 H124/1080/12).

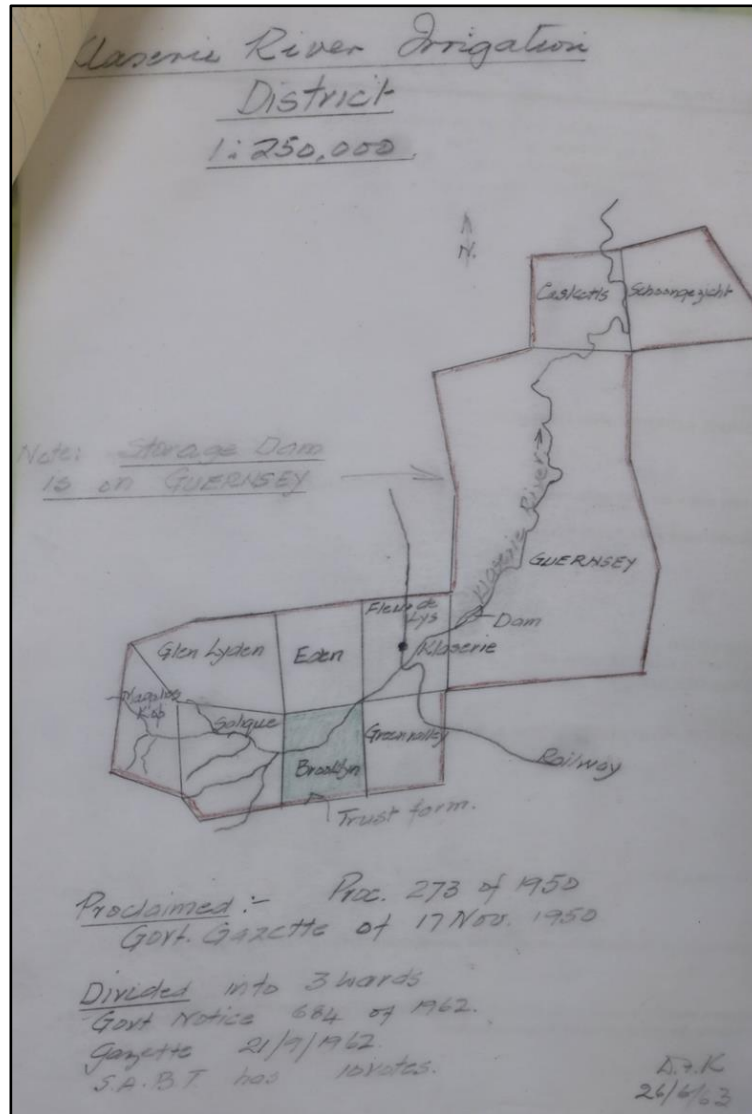


Figure 4.9. A Map of the Klaserie River Irrigation District in 1963. The farm Schoongezicht 66 KU, is the northernmost farm forming part of this Irrigation District (NASA SAB, BAO: 10984 H124/1080/12).

In 1954 the Transvaal Game Ordinance (No 23 of 1949) was amended, and people were allowed to form private reserves under certain conditions. The first reserve that was established was the Umbabat Private Nature Reserve, named after the Umbabat River. This reserve's name was changed in 1956 to Timbavati – the Xitsonga name for the river. In 1961 the Kruger National Park started to fence their western boundary, and the Timbavati Private Nature Reserve was also fenced (Klaserie Reserve 2018).

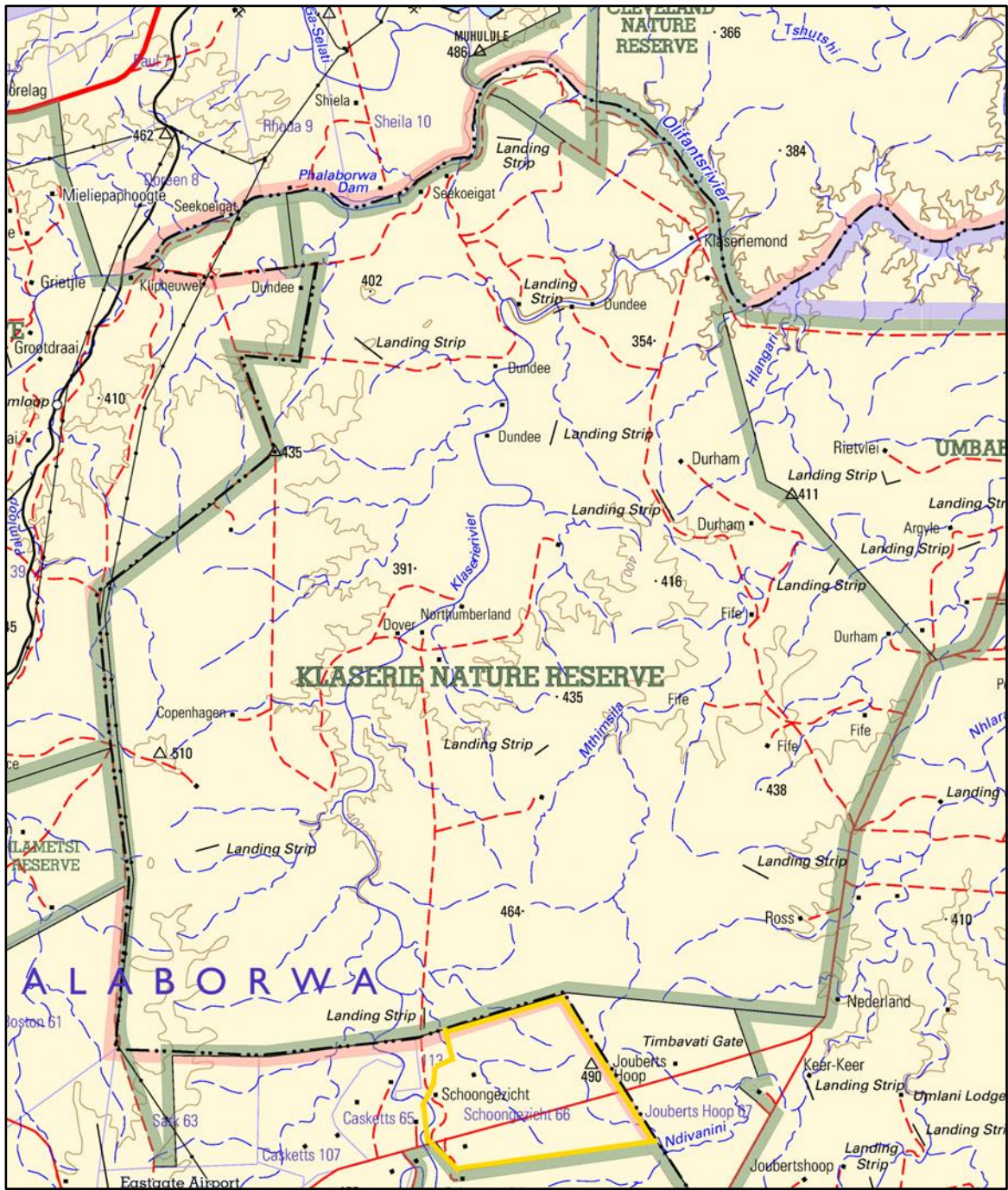


Figure 4.10. A Topographical map of the Klaserie Nature Reserve and surrounds in the year 1998. A yellow border shows the location of the farm Schoongezicht 66 KU (Topographical Map, 1998).

A report submitted to the Minister of Agriculture in 1968, dealt with the agriculture situation in the Hoedspruit and Klaserie areas (NASA SAB, LPE: 29 NA2/9/2).

The Hoedspruit irrigation area was said to have developed after World War II with the erection of two canals and there were 80 farmers within this area. Originally, the predominant crop in the area was rice, but with low cost imported rice, this farming stopped in 1958. Instead, tomatoes, tobacco, sugar, pumpkins and to a lesser extent citrus, was then cultivated (NASA SAB, LPE: 29 NA2/9/2).

The area was said to be excellent for winter production and that water was cheap and abundant. Transportation from the area was said to be good, however, there were some problems with irrigation and the existing canals needed to be replaced with cement canals (NASA SAB, LPE: 29 NA2/9/2).

The Klaserie area was described as an area where agronomy plays an important role. The water supply was said to be stable due to the Klaserie dam further upstream.

According to the report, the water was primarily used in the cultivation of vegetables such as tomatoes, pumpkins and onions, however it was also used in the production of tobacco and maize. Beef farming was said to play a rather insignificant role, but that the area offered ideal conditions for this type of farming. However, the close proximity to the Kruger National Park means that foot and mouth disease as well as lions posed a risk to cattle farming (NASA SAB, LPE: 29 NA2/9/2).

The report found that the Klaserie area is more suitable than the Hoedspruit area and it suggested that cattle farming should be promoted within the area (NASA SAB, LPE: 29 NA2/9/2)

In 1981, Cheday Investments (Pty) Ltd made application for a permit to change the use of land in respect of portion 7 of the farm Schoongezicht 66 KU. The application was to erect a butchery as well as a house on the property (NASA SAB, CDB: PB4/19/2/33/66/1).

According to the application, at the time, there were no butcheries within a radius of 30km of the proposed location. Also, the premises fell within a hunting area frequented by foreign hunters who are normally only interested in trophy hunting, meaning that the game meat was often wasted (NASA SAB, CDB: PB4/19/2/33/66/1).

The application for change of use was granted on 20 July 1982 (NASA SAB, CDB: PB4/19/2/33/66/1).

On or about 1985, another permit for change of use was issued to Mr. S.J. Naude for portion 7 of the farm Schoongezicht 66 KU for use as a general dealer/café (NASA SAB, CDB: PB4/19/2/33/66/1). The portion subject to Mr. Naude's application later became the farm Cherday 113 KU.

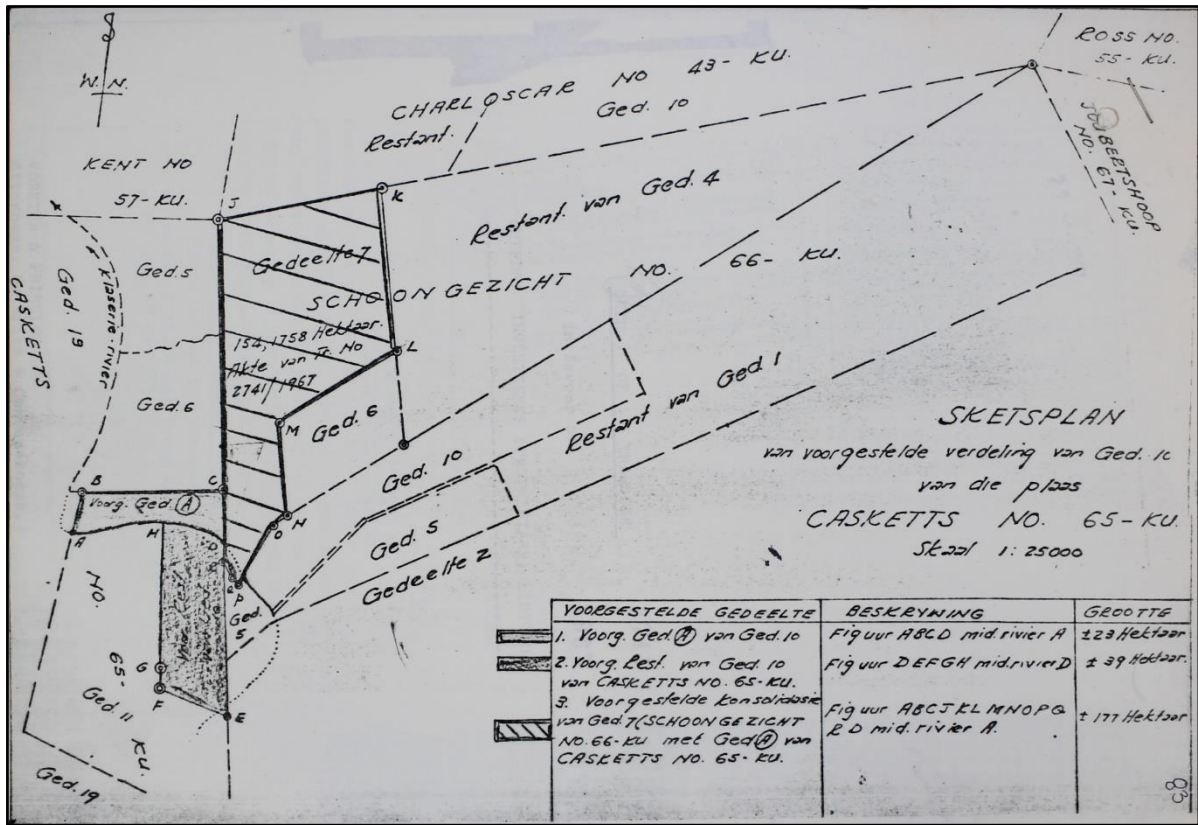


Figure 4.12. Circa 1984 Sketch plan of the proposed subdivision of portion 10 of the farm Casketts 65 KU. Portion 2 of the farm Schoongezicht 66 KU is visible to the south (NASA SAB, CDB: PB4/19/2/33/66/1).

4.2. Archaeology

4.2.1. Stone Age

In Mpumalanga Province the Drakensberg separates the interior plateau also known as the Highveld from the low-lying subtropical Lowveld, which stretches to the Indian Ocean. A number of rivers amalgamate into two main river systems, the Olifants River and the Komati River. This fertile landscape has provided resources for humans and their predecessors for more than 1.7 million years (Esterhuizen & Smith in Delius, 2007).

The initial attraction of abundant foods in the form of animals and plants eventually also led to the discovery of and utilisation of various minerals including ochre, iron and copper. People also obtained foreign resources by means of trade from the coast. From 900 AD this included objects brought across the ocean from foreign shores.

The Early Stone Age (ESA)

In South Africa the ESA dates from about 2 million to 250 000 years ago, in other words from the early to middle Pleistocene. The archaeological record shows that as the early ancestors progressed physically, mentally and socially, bone and stone tools were developed. One of the most influential advances was their control of fire and diversifying their diet by exploitation of the natural environment (Esterhuizen & Smith in Delius, 2007).

The earliest tools date to around 2.5 million years ago from the site of Gona in Ethiopia. Stone tools from this site shows that early hominids had to cognitive ability to select raw material and shape it for a specific application. Many bones found in association with stone tools like these have cut marks which lead scientists to believe that early hominids purposefully chipped cobblestones to produce flakes with a sharp edge capable of cutting and butchering animal carcasses. This supplementary diet of higher protein quantities ensured that brain development of hominids took place more rapidly.

Mary Leaky discovered stone tools like these in the Olduvai Gorge in Tanzania during the 1960s. The stone tools are named after this gorge and are known as relics from the Oldowan industry. These tools, only found in Africa, are mainly simple flakes, which were struck from cobbles. This method of manufacture remained for about 1.5 million years. Although there is continuing debate about who made these tools, two hominids may have been responsible. The first of these was an early form of *Homo* and the second was *Paranthropus robustus*, which became extinct about 1 million years ago (Esterhuizen & Smith in Delius, 2007).

Some time later, around 1.7 million years ago, more specialised tools known as Acheulean tools, appeared. These are named after tools from a site in France by the name of Saint Acheul, where

they were first discovered in the 1800s. It is argued that these tools had their origin in Africa and then spread towards Europe and Asia with the movement of hominids out of Africa. These tools had longer and sharper edges and shapes, which suggest that they could be used for a larger range of activities, including the butchering of animals, chopping of wood, digging roots and cracking bone. *Homo ergaster* was probably responsible for the manufacture of Acheulean tools in South Africa. This physical type was arguably physically similar to modern humans, had a larger brain and modern face, body height and proportion very similar to modern humans. *Homo ergaster* was able to flourish in a variety of habitats in part because they were dependent on tools. They adapted to drier, more open grassland settings. Because these early people were often associated with water sources such as rivers and lakes, sites where they left evidence of their occupation are very rare. Most tools of these people have been washed into caves, eroded out of riverbanks and washed downriver. An example in Mpumalanga is Maleoskop on the farm Rietkloof where Early Stone Age (ESA) tools have been found. This is one of only a handful such sites in Mpumalanga.

Middle Stone Age (MSA)

A greater variety of tools with diverse sizes and shapes appeared by 250 000 before present (BP). These replaced the large hand axes and cleavers of the ESA. This technological advancement introduces the Middle Stone Age (MSA). This period is characterised by tools that are smaller in size but different in manufacturing technique (Esterhuizen & Smith in Delius, 2007).

In contrast to the ESA technology of removing flakes from a core, MSA tools were flakes to start with. They were of a predetermined size and shape and were made by preparing a core of suitable material and striking off the flake so that it was flaked according to a shape which the toolmaker desired. Elongated, parallel-sided blades, as well as triangular flakes are common finds in these assemblages. Mounting of stone tools onto wood or bone to produce spears, knives and axes became popular during the MSA. These early humans not only settled close to water sources but also occupied caves and shelters. The MSA represents the transition of more archaic physical type (*Homo*) to anatomically modern humans, *Homo sapiens*.

The MSA has not been extensively studied in Mpumalanga but evidence of this period has been excavated at Bushman Rock Shelter, a well-known site on the farm Klipfonteinhoek in the Ohrigstad district. This cave was excavated twice in the 1960s by Louw and later by Eloff. The MSA layers show that the cave was repeatedly visited over a long period. Lower layers have been dated to over 40 000 BP while the top layers date to approximately 27 000 BP (Esterhuizen & Smith in Delius, 2007; Bergh, 1998).

Later Stone Age (LSA)

Early hunter gatherer societies were responsible for a number of technological innovations and social transformations during this period starting at around 20 000 years BP. Hunting of animals proved more successful with the innovation of the bow and link-shaft arrow. These arrows were made up of a bone tip which was poisoned and loosely linked to the main shaft of the arrow. Upon impact, the tip and shaft separated leaving the poisoned arrow-tip imbedded in the prey animal. Additional innovations include bored stones used as digging stick weights to uproot tubers and roots; small stone tools, mostly less than 25mm long, used for cutting of meat and scraping of hides; polished bone tools such as needles; twine made from plant fibres and leather; tortoiseshell bowls; ostrich eggshell beads; as well as other ornaments and artwork (Esterhuizen & Smith in Delius, 2007).

At Bushman Rock Shelter the MSA is also represented and starts at around 12 000 BP but only lasted for some 3 000 years. The LSA is of importance in geological terms as it marks the transition from the Pleistocene to the Holocene, which was accompanied by a gradual shift from cooler to warmer temperatures. This change had its greatest influence on the higher-lying areas of South Africa. Both Bushman Rock Shelter and a nearby site, Heuningneskrans, have revealed a greater use in plant foods and fruit during this period (Esterhuizen & Smith in Delius, 2007; Bergh, 1998).

Faunal evidence suggests that LSA hunter-gatherers trapped and hunted zebra, warthog and bovids of various sizes. They also diversified their protein diet by gathering tortoises and land snails (*Achatina*) in large quantities.

Ostrich eggshell beads were found in most of the levels at these two sites. It appears that there is a gap of approximately 4 000 years in the Mpumalanga LSA record between 9 000 BP and 5 000 BP. This may be a result of generally little Stone Age research being conducted in the province. It is, however, also a period known for rapid warming and major climate fluctuation, which may have led people to seek out protected environments in this area. The Mpumalanga Stone Age sequence is visible again during the mid-Holocene at the farm Honingklip near Badplaas in the Carolina district (Esterhuizen & Smith in Delius, 2007; Bergh, 1998).

At this location, two LSA sites were located on opposite sides of the Nhlazatshe River, about one kilometre west of its confluence with the Teespruit. These two sites are located on the foothills of the Drakensberg, where the climate is warmer than the Highveld but also cooler than the Lowveld (Esterhuizen & Smith in Delius, 2007; Bergh, 1998).

Nearby the sites, dated to between 4 870 BP and 200 BP are four panels, which contain rock art. Colouring material is present in all the excavated layers of the site, which makes it difficult to determine whether the rock art was painted during the mid- or later Holocene. Stone walls at both

sites date from the last 250 years of hunter gatherer occupation and they may have served as protection from predators and intruders (Esterhuizen & Smith in Delius, 2007; Bergh, 1998).

4.2.2. Early Iron Age

The period referred to as the Early Iron Age (AD 200-1500 approx.) started when presumably Karanga (north-east African) herder groups moved into the north eastern parts of South Africa. It is believed that these people may have been responsible for making of the famous Lydenburg Heads, ceramic masks dating to approximately 600AD.

Ludwig von Bezing was a boy of more or less 10 years of age when he first saw pieces of the now famous Lydenburg heads in 1957 while playing in the veld on his father's farm near Lydenburg. Five years later von Bezing developed an interest in archaeology and went back to where he first saw the shards. Between 1962 and 1966 he frequently visited the Sterkspruit valley to collect pieces of the seven clay heads. Von Bezing joined the archaeological club of the University of Cape Town when he studied medicine at this institution.

He took his finds to the university at the insistence of the club. He had not only found the heads, but potsherds, iron beads, copper beads, ostrich eggshell beads, pieces of bones and millstones. Archaeologists of the University of Cape Town and WITS Prof. Ray Innskeep and Dr Mike Evers excavated the site where von Bezing found the remains. This site and in particular its unique finds (heads, clay masks) instantly became internationally famous and was henceforth known as the Lydenburg Heads site.

Two of the clay masks are large enough to probably fit over the head of a child, the other five are approximately half that size. The masks have both human and animal features, a characteristic that may explain that they had symbolic use during initiation- and other religious ceremonies. Carbon dating proved that the heads date to approximately 600 AD and was made by Early Iron Age people. These people were Bantu herders and agriculturists and probably populated Southern Africa from areas north-east of the Limpopo river. Similar ceramics were later found in the Gustav Klingbiel Nature Reserve and researchers believe that they are related to the ceramic wares (pottery) of the Lydenburg Heads site in form, function and decorative motive. This sequence of pottery is formally known as the Klingbiel type pottery. No clay masks were found in a context similar to this pottery sequence.

Two larger heads and five smaller ones make up the Lydenburg find. The Lydenburg heads are made of the same clay used in making household pottery. It is also made with the same technique used in the manufacture of household pottery. The smaller heads display the modelling of a curved forehead and the back neck as it curves into the skull. Around the neck of each of the heads, two or three rings are engraved horizontally and are filled in with hatching marks to form a pattern. A ridge

of clay over the forehead and above the ears indicates the hairline. On the two larger heads a few rows of small clay balls indicate hair decorations. The mouth consists of lips – the smaller heads also have teeth. The seventh head has the snout of an animal and is the only head that represents an animal.

Some archaeological research was done during the 1970's at sites belonging to the Early Iron Age (EIA), location Plaston, a settlement close to White River (Evers, 1977). This site is located on a spur between the White River and a small tributary. It is situated on holding 119 at Plaston.

The site was discovered during house building operations when a collection of pottery sherds was excavated. The finds consisted of pottery shards both on the surface and excavated.

Some of the pottery vessels were decorated with a red ochre wash. Two major decoration motifs occurred on the pots:

- Punctuation, using a single stylus; and
- Broad line incision, the more common motif.

A number of EIA pottery collections from Mpumalanga and Limpopo may be compared to the Plaston sample. They include Silver Leaves, Eiland, Matola, Klingbiel and the Lydenburg Heads site. The Plaston sample is distinguished from samples of these sites in terms of rim morphology, the majority of rims from Plaston are rounded and very few bevelled. Rims from the other sites show more bevelled rims (Evers, 1977:176).

Early Iron Age pottery was also excavated by archaeologist, Prof. Tom Huffman during 1997 on location where the Riverside Government complex is currently situated (Huffman, 1998). This site is situated a few km north of Nelspruit next to the confluence of the Nelspruit and Crocodile River. It was discovered during the course of an environmental impact assessment for the new Mpumalanga Government complex offices. A bulldozer cutting exposed storage pits, cattle byres, a burial and midden on the crest of a gentle slope. Salvage excavations conducted during December 1997 and March 1998 recovered the burial and contents of several pits.

One of the pits contained, among other items, pottery dating to the eleventh century (AD 1070 ± 40 BP). This relates the pottery to the Mzonjani and Broederstroom phases. The early assemblage belongs to the Kwale branch of the Urewe tradition.

During the early 1970s Dr Mike Evers of the University of the Witwatersrand conducted fieldwork and excavations in the Eastern Transvaal. Two areas were studied: the first area was the Letaba area south of the Groot Letaba River, west of the Lebombo Mountains, east of the great escarpment and north of the Olifants River. The second area was the Eastern Transvaal escarpment area between Lydenburg and Machadodorp.

These two areas are referred to as the Lowveld and escarpment respectively. The earliest work on Iron Age archaeology was conducted by Trevor and Hall in 1912. This revealed prehistoric copper-, gold- and iron mines. Schwelinus (1937) reported smelting furnaces, a salt factory and terraces near Phalaborwa. In the same year D.S. van der Merwe located ruins, graves, furnaces, terraces and soapstone objects in the Letaba area.

Mason (1964, 1965, 1967, 1968) started the first scientific excavation in the Lowveld, followed by N.J. van der Merwe and Scully. M. Klapwijk (1973, 1974) also excavated an EIA site at Silverleaves and Evers and van den Berg (1974) excavated at Harmony and Eiland, both EIA sites.

Research by the National Cultural History Museum resulted in the excavation of an EIA site in Sekhukuneland, known as Mototolong (Van Schalkwyk, 2007). The site is characterized by four large cattle kraals containing ceramics, which may be attributed to the Mzonjani and Doornkop occupational phases.

4.2.3. Late Iron Age

The later phases of the Iron Age (AD 1600-1800's) are represented by various tribes including Ndebele, Swazi, BaKoni, and Pedi, marked by extensive stonewalled settlements found throughout the escarpment and particularly around Machadodorp, Lydenburg, Badfontein, Sekhukuneland, Roossenekal and Steelpoort. The BaKoni were the architects of a unique archaeological stone building complex who by the 19th century spoke seKoni which was similar to Sepedi. The core elements of this tradition are stone-walled enclosures, roads and terraces. These settlement complexes may be divided into three basic features: homesteads, terraces and cattle tracks. Researchers such as Mike Evers (1975) and David Collett (1982) identified three basic settlement layouts in this area. Basically these sites can be divided into simple and complex ruins. Simple ruins are normally small in relation to more complex sites and have smaller central cattle byres and fewer huts. Complex ruins consist of a central cattle byre, which has two opposing entrances and a number of semi-circular enclosures surrounding it. The perimeter wall of these sites is sometimes poorly visible. Huts are built between the central enclosure and the perimeter wall. These are all connected by track-ways referred to as cattle tracks. These tracks are made by building stone walls, which forms a walkway for cattle to the centrally located cattle byres.

5. Site descriptions, locations and impact significance assessment

Three locations, sites S1, S2 & S3, were documented. They consist of a formal family graveyard (site S1) with two marked graves and two houses (sites S2 & S3). The first house (S2) is within the ambit of the Act (NHRA, 25 of 1999, section 34) as it is older than 60 years, but it is of low heritage significance. The second house is a more modern building and not protected by the Act.

A single survey orientation location was documented, site SO1, which includes a GPS location and photographs of the landscape at that particular location.

The located sites and survey orientation sites are tabled in Appendix B and their photos in Appendix D. A map of their location is also provided in Appendix C.

Tables indicate the **site significance rating scales and status** in terms of possible impacts of the proposed actions on any located or identified heritage sites (**Table 5.5 & 5.6**).

Table 5.1. Summary of located sites and their heritage significance

Type of site	Identified sites	Significance
Graves and graveyards	One, site S1	High
Late Iron Age	None	N/A
Early Iron Age	None	N/A
Historical buildings or structures	One, site S2	Low
Historical features and ruins	None	N/A
Stone Age sites	None	N/A

Table 5.2. Significance rating guidelines for sites

Field Rating	Grade	Significance	Recommended Mitigation
National Significance (NS)	Grade 1	High Significance	Conservation, nomination as national site
Provincial Significance (PS)	Grade 2	High Significance	Conservation; Provincial site nomination
Local significance (LS 3A)	Grade 3A	High Significance	Conservation, No mitigation advised
Local Significance (LS 3B)	Grade 3B	High Significance	Mitigation but at least part of site should be retained
Generally Protected A (GPA)	GPA	High/ Medium Significance	Mitigation before destruction
Generally Protected B (GPB)	GPB	Medium Significance	Recording before destruction
Generally Protected C (GPC)	GPC	Low Significance	Destruction

5.1. Description of located sites

Sites:

5.1.1. Site S 1

Location: See Appendix B and D (fig. 1)

Description: Two graves with headstones in a formally enclosed family graveyard. Both graves have gravestones and are inscribed as follows: *“In Loving Memory of Alric Grant *13-02-1926; † 07-12-2001. The Lord is My Sheperd. Wiggil”* the second grave: *“Peter LB Granat. 30 Sept 1956-24 March 2009. Beloved Husband and Father. Never will I leave you. Never will I forsake you. Hebrews 13 Vers 5.”*

Impact of the proposed development/ activity: The proposed new housing construction will probably not impact on this site location as it is located some distance from the planned construction locations.

Recommendation: The proposed activity should have direct or secondary impact on the graves. A buffer zone of at least 20 meters surrounding the graveyard should be observed.



Photo view north

5.1.2. Site S 2

Location: See Appendix B and D (fig. 2, 3)

Description: A historic farmstead. As evidenced by historic topographical maps the structure must have been built before 1960 and is still there today (see figs. 4.6 - 4.8 and map Appendix C). There has been many additions and alterations to the building and it is structurally compromised. Also see built environment data sheets for more information in Appendix E.

Impact of the proposed development/ activity: The proposed new construction will probably impact on this site location.

Recommendation: The house is not significant in terms of heritage value. Demolition must be permitted by the relevant heritage authority.



Photo taken north-west

5.1.3. Site S 3

Location: See Appendix B and D (fig. 4)

Description: A modern farmstead. As evidenced by historic topographical maps the structure must have been built between 1986 and 2008 and is still there today (see figs. 4.7 - 4.8 and map Appendix C). Also see built environment data sheets for more information in Appendix E.

Impact of the proposed development/ activity: The proposed new construction will probably not impact on this site location as it is located some distance from the planned construction locations.

Recommendation: The house is not significant in terms of heritage value. No recommendations.



Photo taken north-east

Survey orientations:

5.1.4. Site SO 1.

Location: See Appendix B and D (fig.5-7)

Description: Survey orientation location.

Impact of the proposed development/ activity: N/A

Recommendation: N/A



Photo view north-west

TABLE 5.3. General description of located sites and field rating.

Site No.	Description	Type of significance	Degree of significance	NHRA heritage resource & rating
S 1	Graves	Graves & burial grounds	Archaeological: N/A Historic: High	Section 35. GP A. High significance
S 2	Farmstead	Built environment	Archaeological: N/A Historic: Low	Section 34. GP C. Low significance
S 3	Farmstead	Built environment	Archaeological: N/A Historic: Low	Section 34. GP C. Low significance
SO1	Survey orientation location	N/A	Archaeological: N/A Historic: N/A	None

TABLE 5.4. Site condition assessment and management recommendations.

Site no.	Type of Heritage resource	Integrity of cultural material	Preservation condition of site	Relative location	Quality of archaeological/historic material	Quantity of site features	Recommended conservation management
S 1	Graves	None	Good	Schoongezicht 66 KU	Archaeology: N/A Historically: Good	2	No impact. 20 m buffer zone.
S 2	Built environment	None	Fair	Schoongezicht 66 KU	Archaeology: N/A Historically: Fair-Poor	1	Permit before destruction.
S 3	Built environment	None	Good	Schoongezicht 66 KU	Archaeology: N/A Historically: N/A	1	None
SO 1	N/A	N/A	N/A	Schoongezicht 66 KU	Archaeology: N/A Historically: N/A	-	N/A

TABLE 5.5. Significance Rating Scales of Impact

Site No.	Nature of impact	Type of site	Extent	Duration	Intensity	Probability	Score total
S 1	Residential construction	Graves	Family graveyard	Short term	Low (1)	Improbable (1)	2
S 2	Residential construction	Farmstead	Site	Short term	Moderate (2)	Possible (2)	4
S 3	Residential construction	Farmstead	Site	Short term	Moderate (2)	Possible (2)	4
SO 1	Residential construction	N/A	N/A	Short term	Low (1)	Improbable (1)	2

***Notes:** Short term ≥ 5 years, Medium term 5-15 years, Long term 15-30 years, Permanent 30+ years

Intensity: Very High (4), High (3), Moderate (2), Low (1)

Probability: Improbable (1), Possible (2), Highly probable (3), Definite (4)

TABLE 5.6. Site current status and future impact scores

Site No.	Current Status	Low impact (4-6 points)	Medium impact (7-9 points)	High impact (10-12 points)	Very high impact (13-16 points)	Score Total
S 1	Neutral	4	-	-	-	4
S 2	Neutral	-	7	-	-	7
S 3	Neutral	-	7	-	-	7
SO 1	Neutral	-	-	-	-	-

5.2. Cumulative impacts on the heritage landscape

Cumulative impacts can occur when a range of impacts which result from several concurrent processes have impact on heritage resources. The importance of addressing cumulative impacts is that the total impact of several factors together is often greater than one single process or activity that may impact on heritage resources. Construction of the proposed residences may have indirect impact on the identified sites. This should be managed as per the recommendations in section 5.1. Also see section 6.1. Recommended management measures.

6. Summary of findings and recommendations

Three locations, sites S1, S2 and S3, were documented, they consist of a family graveyard which has two marked graves and two existing houses, one of which (site S2) is possibly older than 60 years of age as it is indicated on a topographical map dated 1960. The graves are considered to be of high significance and it is recommended that the proposed activities not impact in any way on the graveyard, a buffer zone of at least 20 meters should be observed.

The older building (site S2) is not regarded as being of heritage significance but because of its age it is protected by the Act (25 Of 1999) and demolishing should be permitted. The second house is a modern building and is not within the ambit of the Act.

A single survey orientation location was documented, site SO 1, which includes a GPS location and photographs of the landscape at that particular location.

In terms of section 34 of the National Heritage Resources Act (NHRA, 25 of 1999), no significant buildings or structures were located. One house (site S1) is however older than 60 years and demolishing must be permitted.

In terms of section 35 of the NHRA, no significant archaeological sites or features were located.

In terms of section 36 of the NHRA, two graves were located.

It is not within the expertise of this report or the surveyor to comment on possible palaeontological remains which may be located in the study area.

The bulk of archaeological remains are normally located beneath the soil surface. It is therefore possible that some significant cultural material or remains were not located during this survey and will only be revealed when the soil is disturbed. Should excavation or large scale earth moving activities reveal any human skeletal remains, broken pieces of ceramic pottery, large quantities of sub-surface charcoal or any material that can be associated with previous occupation, a qualified archaeologist should be notified immediately. This will also temporarily halt such activities until an archaeologist has assessed the situation. It should be noted that if such a situation occurs it may have further financial implications.

6.1. Recommended management measures

Monitoring programmes which should be followed when a “chance find” of a heritage object or human remains occur, include the following:

- The contractors and workers should be notified that archaeological sites might be exposed during the construction work.
- Should any heritage artefacts be exposed during excavation, work on the area where the artefacts were discovered, shall cease immediately and the Environmental Control Officer shall be notified as soon as possible;

- All discoveries shall be reported immediately to a museum, preferably one at which an archaeologist is available, so that an investigation and evaluation of the finds can be made. Acting upon advice from these specialists, the Environmental Control Officer will advise the necessary actions to be taken;
- Under no circumstances shall any artefacts be removed, destroyed or interfered with by anyone on the site; and
- Contractors and workers shall be advised of the penalties associated with the unlawful removal of cultural, historical, archaeological or palaeontological artefacts, as set out in the National Heritage Resources Act (Act No. 25 of 1999).

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Appendix A

Terminology

“Alter” means any action affecting the structure, appearance or physical properties of a place or object, whether by way of structural or other works, by painting, plastering or other decoration or any other means.

“Archaeological” means –

- Material remains resulting from human activity which are in a state of disuse and are in or on land and which are older than 100 years, including artifacts, human and hominid remains and artificial features or structures;
- Rock Art, being any form of painting, engraving or other graphic representation on a fixed rock surface or loose rock or stone, which was executed by human agency and which is older than 100 years, including any area within 10m of such representation;
- Wrecks, being any vessel or aircraft, or any part thereof, which was wrecked in South Africa, whether on land, in the internal waters, the territorial waters or in the maritime culture zone of the Republic, as defined respectively in sections 3, 4 and 6 of the Maritime Zones Act, 1994 (Act No. 15 of 1994), and any cargo, debris or artifacts found or associated therewith, which is older than 60 years or which SAHRA considers to be worthy of conservation; and
- Features, structures and artefacts associated with military history which are older than 75 years and the sites on which they are found;

“Conservation”, in relation to heritage resources, includes protection, maintenance, preservation and sustainable use of places or objects so as to safeguard their cultural significance;

“Cultural significance” means aesthetic, architectural, historical, scientific, social, spiritual, linguistic or technological value or significance;

“Development” means any physical intervention, excavation, or action, other than those caused by natural forces, which may in the opinion of a heritage authority in any way result in a change to the nature, appearance or physical nature of a place, or influence its stability and future well-being, including –

- construction, alteration, demolition, removal or change of use of a place or a structure at a place;
- carrying out any works on or over or under a place;

- subdivision or consolidation of land comprising, a place, including the structures or airspace of a place;
- constructing or putting up for display signs or hoardings;
- any change to the natural or existing condition or topography of land; and
- any removal or destruction of trees, or removal of vegetation or topsoil;

“Expropriate” means the process as determined by the terms of and according to procedures described in the Expropriation Act, 1975 (Act No. 63 of 1975);

“Foreign cultural property”, in relation to a reciprocating state, means any object that is specifically designated by that state as being of importance for archaeology, history, literature, art or science;

“Grave” means a place of internment and includes the contents, headstone or other marker of such a place, and any other structure on or associated with such place;

“Heritage resource” means any place or object of cultural significance;

“Heritage register” means a list of heritage resources in a province;

“Heritage resources authority” means the South African Heritage Resources Agency, established in terms of section 11, or, insofar as this Act (25 of 1999) is applicable in or in respect of a province, a provincial heritage resources authority (PHRA);

“Heritage site” means a place declared to be a national heritage site by SAHRA or a place declared to be a provincial heritage site by a provincial heritage resources authority;

“Improvement” in relation to heritage resources, includes the repair, restoration and rehabilitation of a place protected in terms of this Act (25 of 1999);

“Land” includes land covered by water and the air space above the land;

“Living heritage” means the intangible aspects of inherited culture, and may include –

- cultural tradition;
- oral history;
- performance;
- ritual;
- popular memory;
- skills and techniques;
- indigenous knowledge systems; and
- the holistic approach to nature, society and social relationships;

“Management” in relation to heritage resources, includes the conservation, presentation and improvement of a place protected in terms of the Act;

“Object” means any moveable property of cultural significance which may be protected in terms of any provisions of the Act, including –

- any archaeological artifact;
- palaeontological and rare geological specimens;
- meteorites;
- other objects referred to in section 3 of the Act;

“Owner” includes the owner’s authorized agent and any person with a real interest in the property and –

- in the case of a place owned by the State or State-aided institutions, the Minister or any other person or body of persons responsible for the care, management or control of that place;
- in the case of tribal trust land, the recognized traditional authority;

“Place” includes –

- a site, area or region;
- a building or other structure which may include equipment, furniture, fittings and articles associated with or connected with such building or other structure;
- a group of buildings or other structures which may include equipment, furniture, fittings and articles associated with or connected with such group of buildings or other structures;
- an open space, including a public square, street or park; and
- in relation to the management of a place, includes the immediate surroundings of a place;

“Site” means any area of land, including land covered by water, and including any structures or objects thereon;

“Structure” means any building, works, device or other facility made by people and which is fixed to land, and includes any fixtures, fittings and equipment associated therewith.

Appendix B

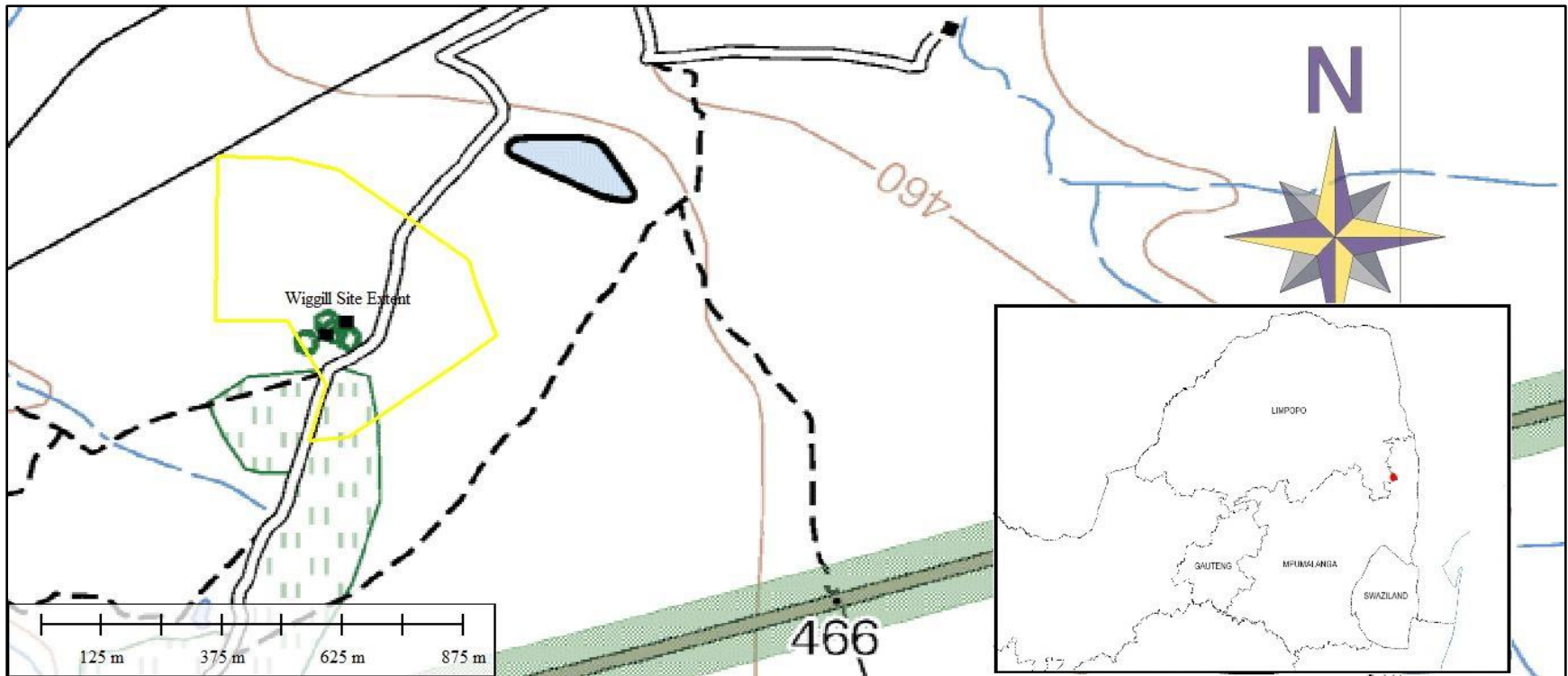
List of sites

Three sites were recorded and numbered S 1, S 2 and S 3. A single survey orientation site was recorded. The site was named SO 1.

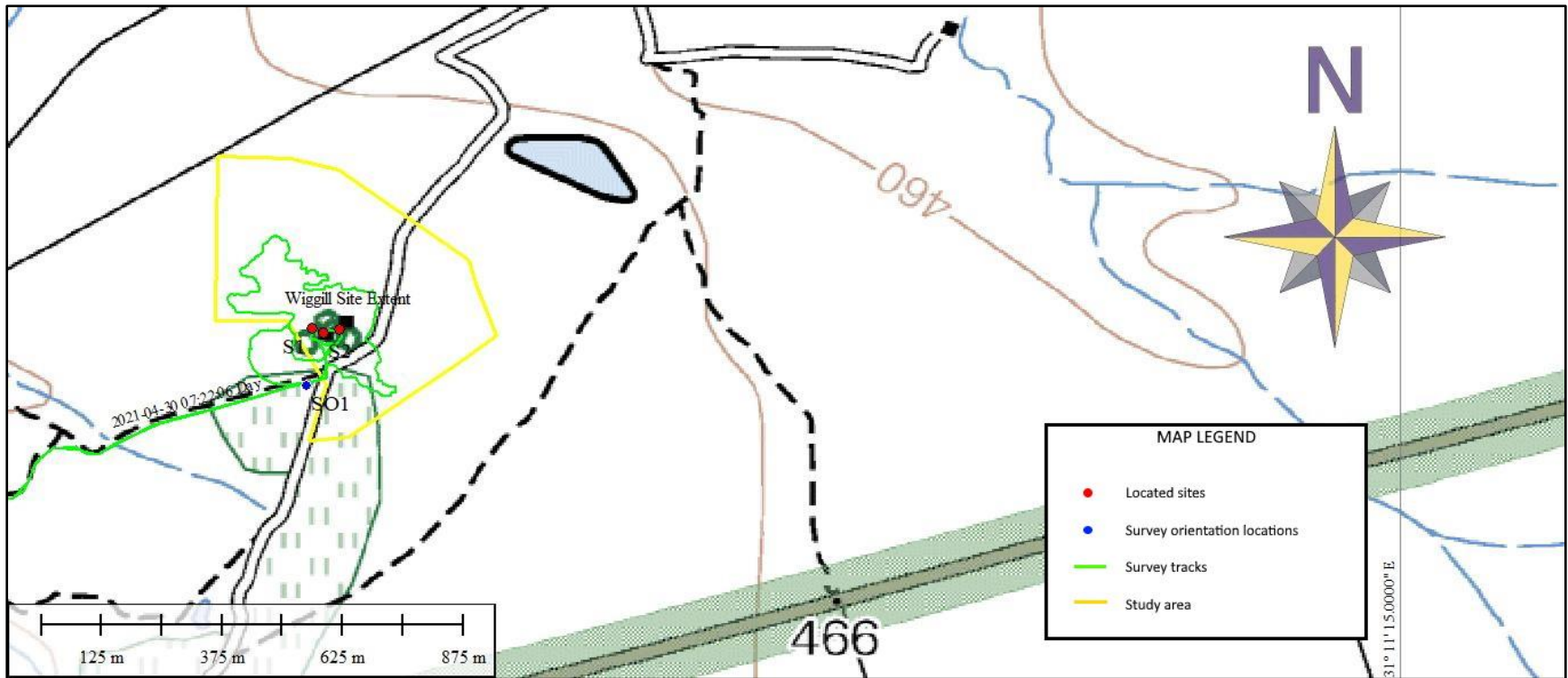
Table A. Site and Survey Orientation Locations.

Site Name	Date of compilation	GPS Coordinates		Photo figure No.
S 1	30/04/2021	S24,339444	E031,167231	1
S 2	30/04/2021	S24,339521	E031,167449	2, 3
S 3	30/04/2021	S24,339456	E031,167745	4
SO 1	30/04/2021	S24,340510	E031,167140	5-7

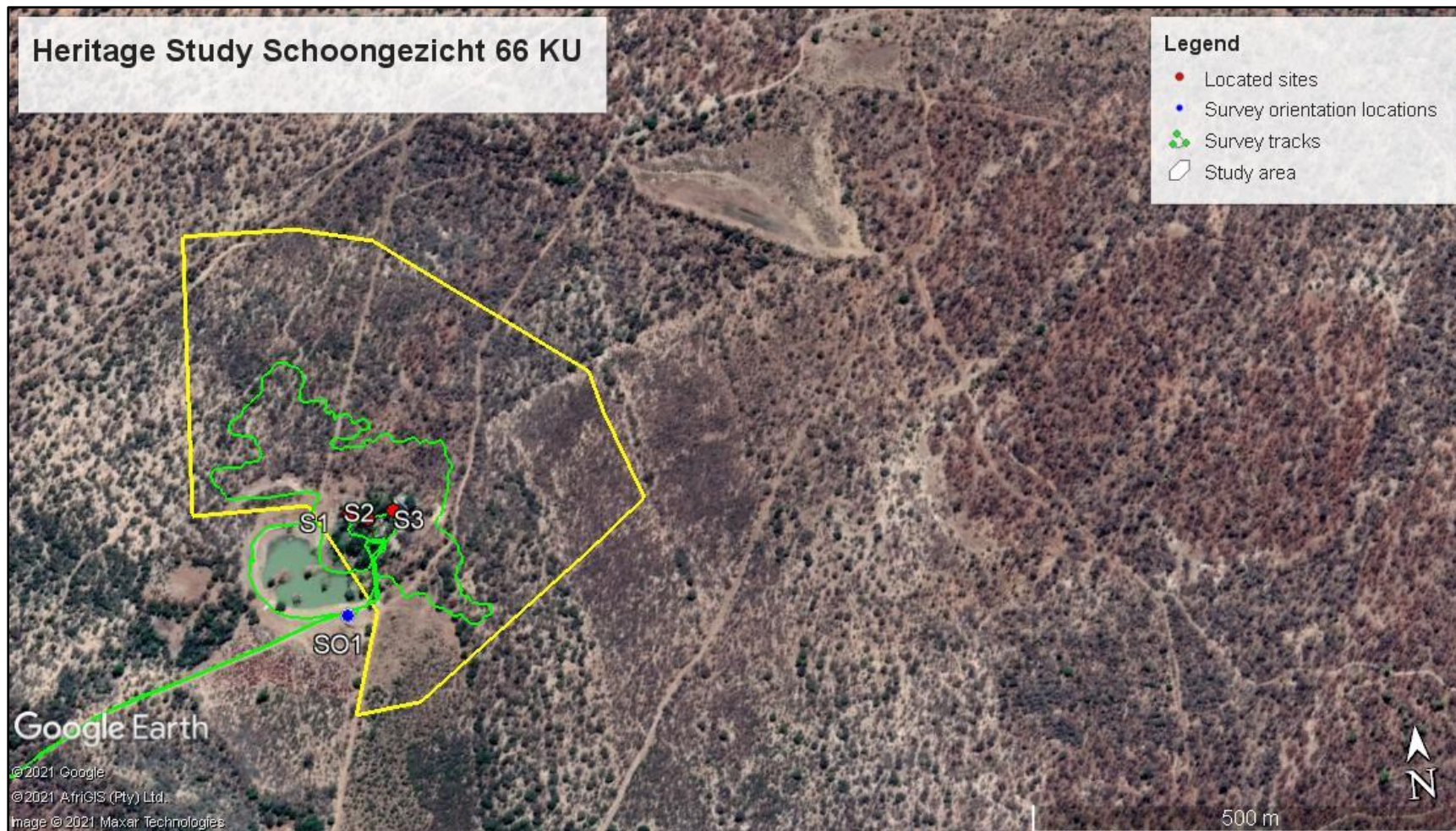
Appendix C



Regional Map 1:50 000 Topographical Map 2431 AC (2008)



Topographical Map 1:50 000 2431 AC (2008)



Aerial view: Google Earth 2021.

Appendix D

Site Photos



Fig. 1. Site S 1. Photos taken towards the north.



Fig. 2. Site S 2. Photos taken towards the north-east and south-east.



Fig. 3. Site S2. Photos taken towards the north-west and south.



Fig. 4. Site S3. Photos taken towards the north-west and north.

Survey Orientation Photos



Fig.5 . Site SO1. Photo taken in an eastern direction.




Fig.6 . Site SO1. Photo taken in a southern direction.




Fig. 7. Site SO1. Photo taken in a western direction.

Appendix E
Built Environment Data Sheets

Schoongezicht 66 KU built heritage site description form

Location: Schoongezicht 66 KU		DATE RECORDED: 30/04/2021	
SITE NUMBER: S 1 – House		GPS CO-ORDINATES: S24,339444 E031,167231	
		TYPE OF SITE: A farmstead	
		GEOGRAPHICAL SETTING & LANDSCAPE: Manicured, maintained landscape.	
		ARCHITECT / BUILDER: Not known	
		AGE ESTIMATE: Before 1960. The house is indicated on a topographical map of 1960.	
		BUILDING/S OLDER THAN 60 YEARS (yes/no): Yes	
		BUILDING STYLE: Utilitarian	
		BUILDING TYPE: House/ residence	
		PRESENT USE: House/ residence	
		OCCUPIED (yes / no): Yes	
		CONDITION (good / fair / poor / derelict): Fair-Poor, Structural damage	
DESCRIPTION: A rectangular concrete block and mortar structure, plastered and white-washed. Locally sourced stone-cladding in some places. Timber roof structure covered with corrugated iron sheeting. Large steel frame windows. Timber doors.			
CONSTRUCTION: Walls of concrete block and mortar, timber roof structure covered with corrugated iron sheeting, steel frame windows, timber doors.			
ALTERATIONS: Numerous visible. See additional photos.			
ADDITIONAL FEATURES & RISKS: Visible structural damage on the north-eastern corner			
EVALUATION (cross where relevant)			
Outstanding importance		Significant	
		Contributing	
		Irrelevant	x
		Intrusive	
		Vacant / undeveloped	
SIGNIFICANCE (indicate where relevant)			
ARCHITECTURAL / AESTHETIC		HISTORICAL	
Important example of a building type	No	Associated with historic person or group	No
Important example of a style or period in history	No	Associated with historic event or activity	N/K
Fine details, workmanship or aesthetics	No	CULTURAL / POLITICAL / SOCIAL / EDUCATIONAL / RELIGIOUS / ECONOMIC	
Work of a major architect or builder	No	Associated with any of the above	No
ENVIRONMENTAL		Illustrative of an historical period	
Landmark in village, town or city	No	SCIENTIFIC / TECHNICAL	
Contributes to character of street or square	No	Example of industrial, technical or engineering development	No
Contributes to character of a neighbourhood or area	No	Important to archaeology, palaeontology, geology or biology	No
Part of an important group of buildings & landscape features	No	New, rare or experimental building techniques	No
STATEMENT OF SIGNIFICANCE & RECOMMENDATIONS: Low significance. It is however older than 60 years and demolition should be permitted.			
RECORDED BY: JP Celliers		CONTACT NUMBERS: 0827793748	

Schoongezicht 66 KU built heritage site description form

Location: Schoongezicht 66 KU		DATE RECORDED: 30/04/2021	
SITE NUMBER: S 2 – House		GPS CO-ORDINATES: S24,339521 E031,167449	
		TYPE OF SITE: A farmstead	
		GEOGRAPHICAL SETTING & LANDSCAPE: Manicured, maintained landscape.	
		ARCHITECT / BUILDER: Not known	
		AGE ESTIMATE: Between 1986 and 2008 as evidenced on topographical maps.	
		BUILDING/S OLDER THAN 60 YEARS (yes/no): No	
		BUILDING STYLE: Farmstead/ Colonial style	
		BUILDING TYPE: House/ residence	
		PRESENT USE: House/ residence	
		OCCUPIED (yes / no): Yes	
CONDITION (good / fair / poor / derelict): Good			
DESCRIPTION: A rectangular u-shaped brick and mortar structure, plastered and painted. Locally sourced stone-cladding in some places. Timber roof structure covered with corrugated iron sheeting. Large steel frame windows. Timber doors. Aluminium framed glazed sliding doors.			
CONSTRUCTION: Walls of brick and mortar, timber roof structure covered with corrugated iron sheeting, aluminium framed windows, timber doors.			
ALTERATIONS: None.			
ADDITIONAL FEATURES & RISKS: None.			
EVALUATION (cross where relevant)			
Outstanding importance		Significant	
		Contributing	
		Irrelevant	x
		Intrusive	
		Vacant / undeveloped	
SIGNIFICANCE (indicate where relevant)			
ARCHITECTURAL / AESTHETIC		HISTORICAL	
Important example of a building type	No	Associated with historic person or group	No
Important example of a style or period in history	No	Associated with historic event or activity	N/K
Fine details, workmanship or aesthetics	No	CULTURAL / POLITICAL / SOCIAL / EDUCATIONAL / RELIGIOUS / ECONOMIC	
Work of a major architect or builder	No	Associated with any of the above	No
ENVIRONMENTAL		Illustrative of an historical period	
Landmark in village, town or city	No	SCIENTIFIC / TECHNICAL	
Contributes to character of street or square	No	Example of industrial, technical or engineering development	No
Contributes to character of a neighbourhood or area	No	Important to archaeology, palaeontology, geology or biology	No
Part of an important group of buildings & landscape features	No	New, rare or experimental building techniques	No
STATEMENT OF SIGNIFICANCE & RECOMMENDATIONS: Low significance.			
RECORDED BY: JP Celliers		CONTACT NUMBERS: 0827793748	