



Heritage Impact Assessment

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Spitzkop Colliery, District Ermelo,
Mpumalanga

Version - 1

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24 June 2009

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Limited**

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- i. The results of the project;
- ii. The technology described in any report ; and,
- iii. The recommendations delivered to the Client.

EXECUTIVE SUMMARY

Professional Grave Solutions Heritage Unit was appointed by Xstrata Coal to undertake a Heritage Impact Assessment that forms part of the Environmental Management Programme for the Spitzkop Colliery on portions of the farms Klipfontein 241 iI, Klipstapel 243 IS, Waterval 244 IS, Kranspoort 248 IS, Driehoek 273 IS, Spitzkop 276 IS and the farm Voorslag 274 IS, District Ermelo, Mpumalanga.

During the **survey seventy five site** of heritage significance were identified.

The following is a breakdown of the Heritage Sites:

Cemeteries

Forty-four (44) cemeteries with a total of 571 graves

General Management:

In the event that any of the cemeteries identified in the mining area are to be impacted directly by mining a grave relocation process should be initiated.

The grave relocation process must contain the following:

- A detailed social consultation process, that will trace the next-of-kin and obtain their consent for the relocation of the graves, that will be at least 60 days in length;
- Site notices indicating the intent of the relocation
- Newspaper Notice indicating the intent of the relocation
- A permit from the local authority;
- A permit from the Mpumalanga Department of health;
- A permit from the South African Heritage Resources Agency if the graves are older than 60 years or unidentified and thus presumed older than 60 years;
- An exhumation process that keeps the dignity of the remains and family intact;
- An exhumation process that will safeguard the legal implications towards the mining company;
- The whole process must be done by a reputable company that are well versed in relocations;
- The process must be conducted in such a manner as to safeguard the legal rights of the families as well as that of the mining company.

Farmsteads

Twenty-five (25) farmsteads

General Management:

In general all architectural structures needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.

Farm workers housing

Five farm workers housing and associated structures. The possibility of stillborn burials must be investigated in each case if impacted on by mining.

Archaeological Sites

One archaeological site

General Management:

- If the site is to be impacted by mining, extensive documentation and possible excavation of the site will be required before destruction of the site.
- Excavations will require a permit under Section 35 of the NHRA from SAHRA
- The destruction permit will have to be applied for from SAHRA.

The recommendations on each site will assist the responsible management of the heritage resources of the Colliery.

General

If during mining any possible finds are made, the operations must be stopped and a qualified archaeologist be contacted for an assessment of the find.

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1. INTRODUCTION

Professional Grave Solutions Heritage Unit was appointed by Xstrata Coal to undertake a Heritage Impact Assessment that forms part of the Environmental Management Programme for the Spitzkop Colliery on portions of the farms Klipfontein 241 iI, Klipstapel 243 IS, Waterval 244 IS, Kranspoort 248 IS, Driehoek 273 IS, Spitzkop 276 IS and the farm Voorslag 274 IS, District Ermelo, Mpumalanga.

The aim of the study is to identify all heritage sites, document, and assess their importance within Local, Provincial and National context. From this we aim to assist the developer in managing the discovered heritage resources in a responsible manner, in order to protect, preserve, and develop them within the framework provided by the National Heritage Resources Act of 1999 (Act 25 of 1999) (NHRA).

The report outlines the approach and methodology utilised before and during the survey, which includes in Phase 1: Information collection from various sources and public consultations; Phase 2: Physical surveying of the area on foot and by vehicle; and Phase 3: Reporting the outcome of the study.

During the survey one site of low heritage significance was identified.

General site conditions and features on site were recorded by means of photos, GPS location, and description. Possible impacts were identified and mitigation measures are proposed in the following report.

2. APPROACH AND METHODOLOGY

The aim of the study is to study data available to compile a background history of the study area; this was accomplished by means of the following phases.

2.1. PROJECT DESCRIPTION

Spitzkop Colliery is an active coal mine close to Breyten in Mpumalanga. The colliery is currently embarking on extending their current operations and planning for the next 15 years of operations of their mine.

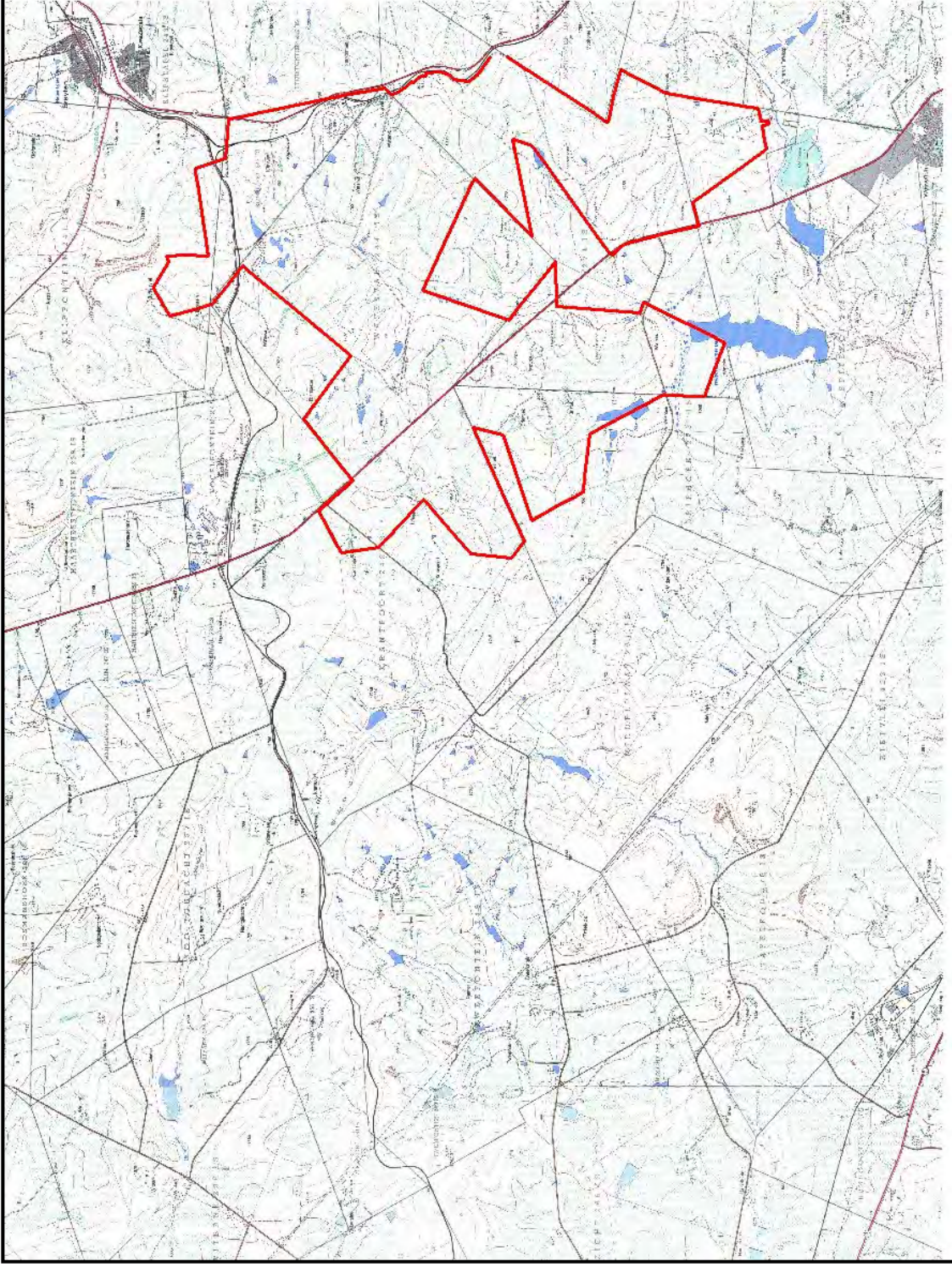


Figure 1 – Locality Map

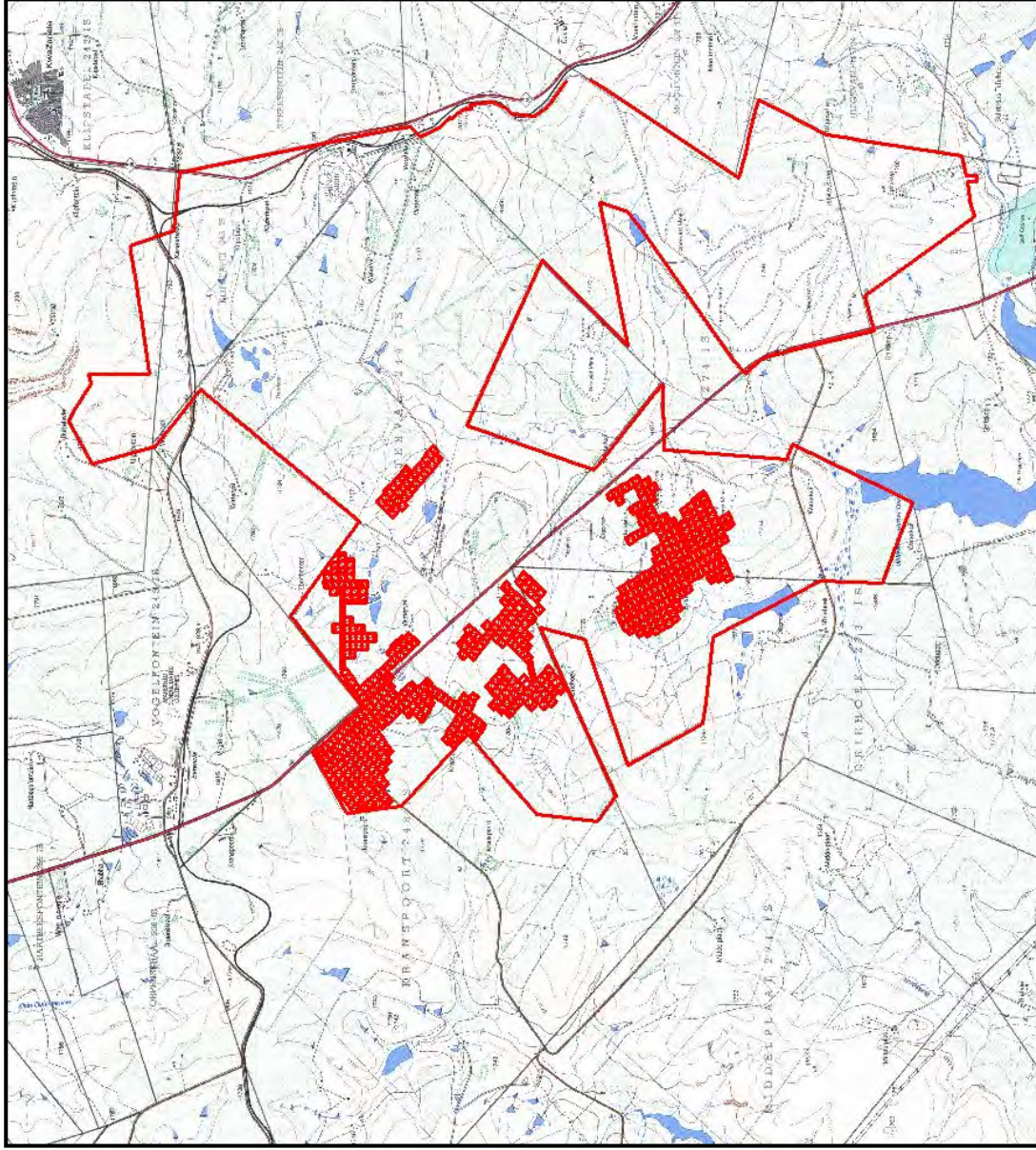


Figure 2 – Future Mining Area

2.2 PHYSICAL SURVEYING

The physical study was conducted over the extent of the 9000 hectares of Spitzkop Colliery. Due to the nature of cultural remains, the majority that occur below surface, a physical walk through of the study area was conducted. A controlled-exclusive surface survey was conducted over a period of 30 days, by means of vehicle and extensive surveys on foot by PGS.

Aerial photographs and 1:50 000 maps of the area were consulted and literature of the area were studied before undertaking the survey. The purpose of this was to identify topographical areas of possible historic and pre-historic activity. All sites discovered both inside and bordering the proposed development area was plotted on 1:50 000 maps and their GPS co-ordinates noted. 35mm photographs on digital film were taken at all the sites.

3. LEGISLATIVE REQUIREMENTS AND TERMINOLOGY

3.1 Legislation

The identification, evaluation and assessment of any cultural heritage site, artefact or find in the South African context is required and governed by the following legislation:

- i. National Environmental Management Act (NEMA) Act 107 of 1998
- ii. National Heritage Resources Act (NHRA) Act 25 of 1999
- iii. Minerals and Petroleum Resources Development Act (MPRDA) Act 28 of 2002
- iv. Development Facilitation Act (DFA) Act 67 of 1995

The following sections in each Act refer directly to the identification, evaluation and assessment of cultural heritage resources.

- i. National Environmental Management Act (NEMA) Act 107 of 1998
 - a. Basic Environmental Assessment (BEA) – Section (23)(2)(d)
 - b. Environmental Scoping Report (ESR) – Section (29)(1)(d)
 - c. Environmental Impacts Assessment (EIA) – Section (32)(2)(d)
 - d. Environmental Management Plan (EMP) – Section (34)(b)
- ii. National Heritage Resources Act (NHRA) Act 25 of 1999
 - a. Protection of Heritage resources – Sections 34 to 36; and
 - b. Heritage Resources Management – Section 38
- iii. Minerals and Petroleum Resources Development Act (MPRDA) Act 28 of 2002

- a. Section 39(3)
- iv. Development Facilitation Act (DFA) Act 67 of 1995
 - a. The GNR.1 of 7 January 2000: Regulations and rules in terms of the Development Facilitation Act, 1995. Section 31.

3.2 Abbreviations and Terminology

ASAPA: Association of South African Professional Archaeologists

CRM: Cultural Resource Management

DEAT: Department of Environmental Affairs and Tourism

DWAF: Department of Water Affairs and Forestry

EIA practitioner: Environmental Impact Assessment Practitioner

EIA: Environmental Impact Assessment

EIA: Early Iron Age

ESA: Early Stone Age

GPS: Global Positioning System

HIA: Heritage Impact Assessment

I&AP: Interested & Affected Party

LSA: Late Stone Age

LIA: Late Iron Age

MSA: Middle Stone Age

MIA: Middle Iron Age

NEMA: National Environmental Management Act

NHRA: National Heritage Resources Act

PHRA: Provincial Heritage Resources Agency

PSSA: Palaeontological Society of South Africa

ROD: Record of Decision

SAHRA: South African Heritage Resources Agency

Archaeological resources

This includes:

- i. 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 artefacts, human and hominid remains and artificial features and structures;
- ii. 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;

- iii. 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 in the Maritimes Zones Act, and any cargo, debris or artefacts found or associated therewith, which is older than 60 years or which SAHRA considers to be worthy of conservation;
- iv. features, structures and artefacts associated with military history which are older than 75 years and the site on which they are found.

Cultural significance

This means aesthetic, architectural, historical, scientific, social, spiritual, linguistic or technological value or significance

Development

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

- i. construction, alteration, demolition, removal or change in use of a place or a structure at a place;
- ii. carrying out any works on or over or under a place;
- iii. subdivision or consolidation of land comprising a place, including the structures or airspace of a place;
- iv. constructing or putting up for display signs or boards;
any change to the natural or existing condition or topography of land;
- v. any removal or destruction of trees, or removal of vegetation or topsoil

Heritage resources

This means any place or object of cultural significance

4. ASSESSMENT CRITERIA

This chapter describes the evaluation criteria used for the sites listed below.

The significance of archaeological sites was based on four main criteria:

- **site integrity** (i.e. primary vs. secondary context),
- **amount of deposit, range of features** (e.g., stonewalling, stone tools and enclosures),
- **uniqueness** and
- **potential** to answer present research questions.

Management actions and recommended mitigation, which will result in a reduction in the impact on the sites, will be expressed as follows:

- A - No further action necessary;
- B - Mapping of the site and controlled sampling required;
- C - Preserve site, or extensive data collection and mapping of the site; and
- D - Preserve site

Impacts on these sites by the development will be evaluated as follows

4.1 IMPACT

The potential environmental impacts that may result from the proposed development activities.

4.1.1 Nature and existing mitigation

Natural conditions and conditions inherent in the project design that alleviate (control, moderate, curb) impacts. All management actions, which are presently implemented, are considered part of the project design and therefore mitigate against impacts.

4.2 EVALUATION

4.2.1 Site Significance

Site significance classification standards prescribed by the South African Heritage Resources Agency (2006) and approved by the Association for Southern African Professional Archaeologists (ASAPA) for the Southern African Development Community (SADC) region, were used for the purpose of this report.

FIELD RATING	GRADE	SIGNIFICANCE	RECOMMENDED MITIGATION
National Significance (NS)	Grade 1	-	Conservation; National Site nomination
Provincial Significance (PS)	Grade 2	-	Conservation; Provincial Site nomination
Local Significance (LS)	Grade 3A	High Significance	Conservation; Mitigation not advised
Local Significance (LS)	Grade 3B	High Significance	Mitigation (Part of site should be retained)
Generally Protected A (GP.A)	-	High / Medium	Mitigation before destruction

		Significance	
Generally Protected B (GP.B)	-	Medium Significance	Recording before destruction
Generally Protected C (GP.C)	-	Low Significance	Destruction

4.2.2 Impact Rating

Each impact identified will be assessed in terms of probability (likelihood of occurring), extent (spatial scale), intensity (severity) and duration (temporal scale). To enable a scientific approach to the determination of the impact significance (importance), a numerical value will be linked to each rating scale. The sum of the numerical values will define the significance. The following criteria will be applied to the impact assessment for Spitzkop Colliery,

Table 1: Probability

Category	Rating	Description
Definite	3	More than 90 percent sure of a particular fact or of the likelihood of that impact occurring
Probable	2	70 to 90 percent sure of a particular fact or of the likelihood of that impact occurring
Possible	1	40 to 70 percent sure of a particular fact or of the likelihood of that impact occurring
Improbable	0	Less than 40 percent sure of a particular fact or of the likelihood of that impact occurring

Table 2: Extent

Category	Rating	Description
Site	1	Immediate project site
Local	2	Up to 5 km from the project site
Regional	3	20 km radius from the project site
Provincial	4	Mpumalanga Province
National	5	South African
International	6	Neighbouring countries/overseas

Table 3: Duration

Category	Rating	Description
Very short-term	1	Less than 1 year
Short-term	2	1 to 4 years
Medium-term	3	5 to 10 years
Long-term	4	11 to 15 years
Very long-term	5	Greater than 15 years
Permanent	6	Permanent

Table 4: Intensity

Category	Rating	Description
Very low	0	Where the impact affects the environment in such a way that natural, cultural and social functions are not affected
Low	1	Where the impact affects the environment in such a way that natural, cultural and social functions are only marginally affected
Medium	2	Where the affected environment is altered but natural, cultural and social function and processes continue albeit in a modified way
High	3	Where natural, cultural or social functions or processes are altered to the extent that they will temporarily cease
Very high	4	Where natural, cultural or social functions or processes are altered to the extent that they will permanently cease

Table 5: Significance Rating

Score	Significance Rating
2 – 4	Low
5 – 7	Low to Moderate
8 – 10	Moderate
11 - 13	Moderate to High
14 – 16	High
17 – 19	Very High

5. BACKGROUND OF AREA

As a heritage surveys deal with the locating of heritage resources in a prescribed cartographic landscape, the study of archival and historical data, especially cartographic material, can represent a very valuable supporting tool in finding and identifying such heritage resources.

Geologically, Mpumalanga encompasses some of the richest heritage in the world and is considered the ultimate destination for scientists interested in the ancient operations and activities of a youthful Earth during the millennia 3 500 000 BC. South Africa's oldest known rocks are exposed in the Barberton mountain chains that run from Elukwatini and Tjakastad to Komatipoort along the Swaziland border (De Wit, 2008: 1).

Mpumalanga coals formed in vast swamps from decomposing forests during a 100 million year period between 200 and 300 million years ago. During this era, Africa was still attached to South America, India and Antarctica as part of the super-continent, Gondwana. Primitive plants, such as the famous Glossopteris flora, had colonised the entire southern hemisphere, and mammal-like reptiles and later dinosaurs roamed across the landscape of Mpumalanga. Fossils of these animals are found in abundance and are commonly displayed in local and national museums. Approximately 250 million years ago, global mass extinction struck the planet and more that 90 per cent of biodiversity across the world was destroyed at species level within less that 70 000 years. Scientists studying this catastrophic event recorded in the Karoo rocks of Mpumalanga and beyond, have shown that it was related to extreme changes in climate.

The environment is continually being influenced by natural changes and various anthropic developments such as established of farms, towns and cities in regional surroundings. The closest town to the proposed mining area is Breyten, a small town surrounded by maize, sheep and cattle farming communities, which is also becoming renowned for its apple farming. The town is situated at the foot of Klipstapel, the highest point on the watershed between the westward flowing Vaal River system and the eastward flowing Olifants and Komati River systems. Bothasrus, the original farm on which the town is built, was given to Lukas Potgieter as compensation for losing a leg during the first Boer War. He later sold the farm to field-cornet Nicolaas Breytenbach, who formed the village in his own name. The Chrissiesmeer area is located towards the east of the proposed project area, which is also known as a place of lakes and legends. It is reported that ancient San communities were the first inhabitants of the region, including the Tlou-tle, who adapted to conditions by living on rafts in the larger lakes.

During the 1860s, European settlers founded a town here and named it after President Andries Pretorius's daughter Christina, a friend of an early pioneer family.

In the 1880s, the town became an important stopover to and from Barberton; however, other towns surpassed Chrissiesmeer in economic development. Subsequently, the town retained its pristine appeal, and is now one of the most significant eco-tourist destinations in the country.

Due to its rich geological resources, historical value, continuous agricultural practices and sources of water in the regional proximity of the project area, there is a medium-high probability that remnants of significant faunal, floral and human resources may be present in the proposed project area (e.g. graves, burial sites, fossils, palaeontological phenomena and/or archaeological artefacts). Previous studies indicated that significant sites have been found in the Carolina district of Mpumalanga (Fourie & Van der Walt, 2005), which is in regional proximity to the proposed project site. Although surface disturbed by farming activities and mining operations already exists, the possibility of discovering significant archaeological and heritage resources remains.

5.1 ARCHAEOLOGICAL BACKGROUND

The Stone Age is divided in Earlier; Middle and Later Stone Age and refers to the earliest people of South Africa who mainly relied on stone for their tools.

Earlier Stone Age: The period from \pm 2.5 million yrs - \pm 250 000 yrs ago. Acheulean stone tools are dominant.

Middle Stone Age: Various lithic industries in SA dating from \pm 250 000 yrs – 22 000 yrs before present.

Later Stone Age: The period from \pm 22 000-yrs before present to the period of contact with either Iron Age farmers or European colonists.

The Iron Age as a whole represents the spread of Bantu speaking people and includes both the Pre-Historic and Historic periods. Similar to the Stone Age it can be divided into three periods:

The Early Iron Age: Most of the first millennium AD.

The Middle Iron Age: 10th to 13th centuries AD

The Late Iron Age: 14th century to colonial period.

5.2 HISTORICAL BACKGROUND

Historic Timeframe

The historic timeframe intermingles with the later parts of the Stone and Iron Age, and can loosely be regarded as times when written and oral recounts of incidents became available.

Cartographic Findings

Untitled Map, 1899 / 1900

The image depicted in *Figure 1* below represents an enlarged section of the Carolina sheet. Although this map is presently undated, it is known that the map series from which it comes was compiled during 1899 and early 1900. The approximate position of the proposed Voorslag siding is shown.

While no heritage features are shown anywhere on the map, it does indicate that only a road existed at the time in the vicinity of the study area. In turn, this indicates that the railway line between Ermelo and Breyten must have been constructed after 1899 / 1900. The other observation to be made is that the town of Breyten did not exist at the time.



Figure 3 - Untitled Sheet dated to 1899 / 1900

Ermelo Sheet, Undated

Figure 2 depicts an enlarged section from the Ermelo sheet of the Transvaal and Orange River Map Series. Although this map is presently undated, it is known that this map series was produced between c. 1911 and c. 1920.

For the first time the railway line between Breyten and Ermelo is shown, with the original wagon road to its west. While features such as farmhouses and huts are depicted in the wider area, none are shown for the study area or its direct surroundings.

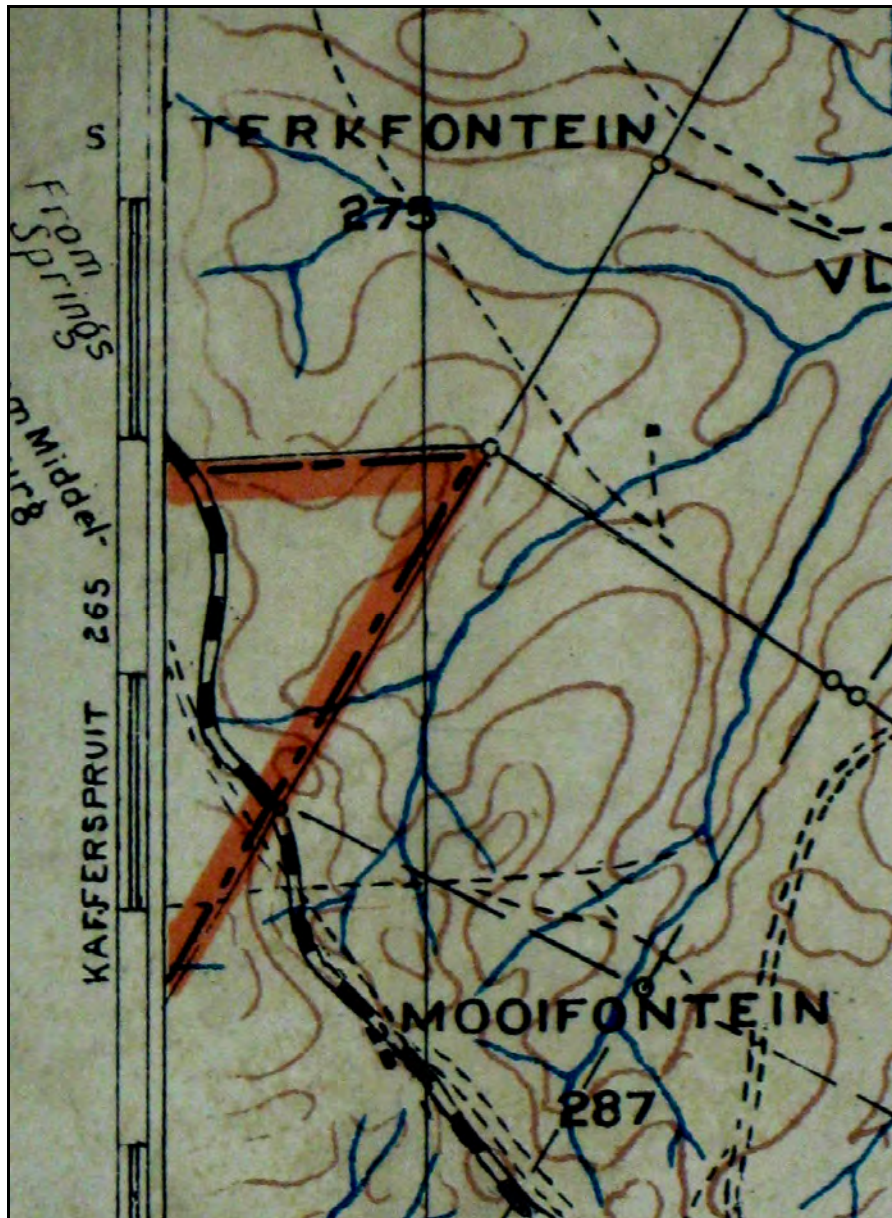


Figure 4 - Ermelo Sheet of the Transvaal and Orange River Map Series

Map of the Magisterial District of Ermelo, September 1917

Figure 3 depicts a section from the map depicting the Magisterial District of Ermelo (National Archives, Maps, 3/823). It was compiled for the Union of South Africa and printed at the Government Printing Works in Pretoria. The map is dated to September 1917.

The map does not depict any heritage features in the vicinity of the study area. It only shows the railway line and adjacent wagon road as well as the town of Breyten.

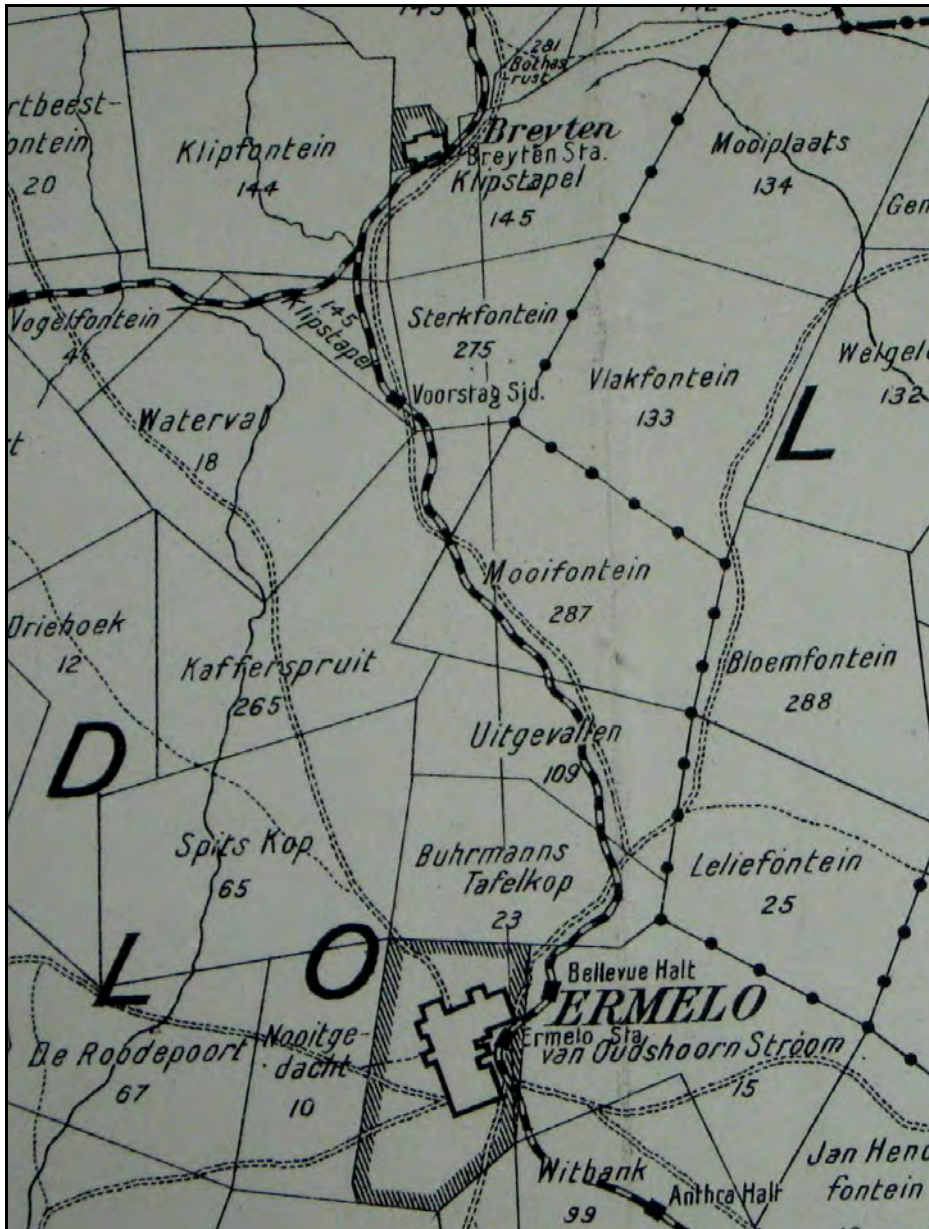


Figure 5 - Map of the Magisterial District of Ermelo, dated to September 1917.

Railway Line

In the decade following the South African War of 1899 to 1902, various agricultural areas in the then Eastern Transvaal were connected via rail. A line was constructed from Springs to Breyten, and later one from Ermelo over Breyten to Machadodorp (Bergh, 1999). This last line is the one under discussion. The fact that the line was constructed after the war has significance in that during the war blockhouses were often constructed along the railway lines.

Although the exact date for the construction of the Ermelo to Machadodorp line is not known, it is certain that it was constructed between 1904 and 1910 and very likely that

it was undertaken in 1906 / 1907. In a financial statement showing the income and expenditure for the Brakpan – Machadodorp – Ermelo railway line, the earliest depicted date is July 1907 (National Archives, RRC, 43, RF48/06). This suggests that the line was constructed during 1906 and completed during the early part of 1907.

The town of Breyten

The town of Breyten was established on the farm Bothasrust by its owner and well-known farmer and businessman Nicholas Jacobus Breytenbach. It was established during December 1905 at the same time that the railway line between Springs and Breyten was completed. Although the town was only laid out during December 1905, stands were quickly sold and within a month the town had two hotels, several shops, a post and telegraph station as well as a railway station. Churches and schools were later constructed on a commonage granted by N.J. Breytenbach (Praagh, 1906).



Figure 6 - Nicholas Jacobus Breytenbach, the founder of Breyten (Praagh, 1906:380).

6. SITES OF SIGNIFICANCE


The study area is located on topographical sheet 2629BD. The landscape varies from undulating grassland, wetlands and maize fields to large mining opencast operations.

Due to the fact that the study area was spread over various farms the sites identified will be addressed and grouped according to farm names.


KRANSPOORT 248 IS

6.1 SKC-KP001

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – MA4 on 21
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4484	29.97032
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The old Kranspoort farm house. According to the owner the house is more than 80 years old. The house is still being occupied and has several outbuildings which are still in use.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 80m	


<p>Photographs and diagrams (Figure numbers)</p>	 <p style="text-align: center;"><i>Figure 7: Photo of house</i></p>				
<p>Statement of Significance (Heritage Value)</p>	<p>The site is of medium significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.B)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as medium negative.</p>				
<p>Recommendations including:</p>	<p>The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.B</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.2 SKC-KP002

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – MA4 on 21
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Cxs, WGS 84	-26.4502	29.95855
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	2 x informal child graves near the farm labourer quarters. These were recent graves (10-20 years) and were identified as two mounds of soil covered with grass. Possibly more graves, but the relatives were not available.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 10m x 20m.	
Photographs and diagrams (Figure numbers)		
	<i>Figure 8: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of high significance.	

Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will include extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.3 SKC-KP003

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – MA4 on 21
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3605	29.87505
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A cluster of graves set amongst thick vegetation. Due to the vegetation, the number of graves could not be counted. At least 10 graves were identified. Most of them were informal, but 2 graves had formal dressings. One for Job Nkosi († 28-07-1970) and the other for Aalphi Nkosi († 18-01-1973).	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	20m x 30m	
Photographs and diagrams (Figure numbers)		

	<i>Figure 9: Photo of site</i>				
Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance)</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.4 SKC-KP004



Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	26329BD	Kranspoort 248 IS – Portion 10 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.379	29.88336
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Formal grave of Joseph Victor Lines († 1946).	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 3m x 3m	
Photographs and diagrams (Figure numbers)		

Figure 10: Photo of site


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.5 SKC-KP005

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 9 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3842	29.90106
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Informal cemetery with at least 50 x graves. All the graves had informal dressing and were orientated from west to east. They were placed in several lines on the edge of a Eucalyptus plantation.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100m x 50m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 11: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.6 SKC-KP006

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 9 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3678	29.88636
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A single informal grave orientated from west to east. Possibly another informal grave near the first grave.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	3m x 3m	
Photographs and diagrams (Figure numbers)	 <p style="text-align: center;"><i>Figure 12: Photo of site</i></p>	
Statement of Significance (Heritage Value)	The site is of high significance.	


Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will include extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.7 SKC-KP007

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 10 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3793	29.88437
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The remains of a dilapidated farm house with stables and other outbuildings.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 50m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 13: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.8 SKC-KP008

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 16 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3899	29.88478
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	4 x informal graves placed next to each other. The graves were orientated from west to east.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 20m x 5m.	
Photographs and diagrams (Figure numbers)		
	<i>Figure 14: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.9 SKC-KP009

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 15 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3896	29.87749
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	5 x informal graves placed next to each other. The graves were orientated from west to east and were next to a ploughed field.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 20 x 5m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 15: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.10 SKC-KP010

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 14 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4009	29.87263
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The dilapidated remains of an old homestead. The structures were constructed with bricks, mud-bricks and rocks. Possibly European settlement?	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 40m x 40m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 16: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of low significance.	


Field Rating (Recommended grading or field significance) of the site:	Generally protected (GP.C)				
Impact Evaluation of development on site	Impact on site is seen as low negative.				
Recommendations including:	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.11 SKC-KP011

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 16 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3876	29.88754
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The dilapidated remains of a multi-roomed and multi-building mud-brick homestead. The shape, size and age are not known. Most probably a farm labourer settlement.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	50m x 50m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 17: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of low significance.	

Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0


6.12 SKC-KP012

Description of Site:		
Site Number	Site 1	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Kranspoort 248 IS – Portion 8 of 5
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3795	29.89069
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A farm house with corrugate roof, which is still being occupied.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 80m.	
Photographs and diagrams (Figure numbers)		
	<i>Figure 18: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of low significance.	


Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

DRIEHOEK 273 IS – Duiker 15 Development**6.13 SKC-DH001**

Description of Site:		
Site Number	SKC-DH001	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – Portion 10
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3994	29.89883
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A cluster of 11 graves were identified at this location. 10 of these graves were found in a line next to each other and the 11 th grave was placed in front of the 10 graves on its own. All the graves were orientated from east to west and were facing east. Most of the graves had informal, elongated oval shaped mounds of rock as dressing and 4 of the graves had cement headstones, which were crudely inscribed. According to Mr. Andries Nkosi (a local farm labourer for the past 22 years), the graves belonged to another Mr. Nkosi (not related) who resides in Johannesburg. The graves were found just inside the fence of the area investigated, but more graves were identified ± 25m further on the other side (to the north) of the fence.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 10m x 20m.	


<p>Photographs and diagrams (Figure numbers)</p>	 <p style="text-align: center;"><i>Figure 19: Photo of site</i></p>				
<p>Statement of Significance (Heritage Value)</p>	<p>The site is of high significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.A)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as high negative.</p>				
<p>Recommendations including:</p>	<p>In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.A</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.14 SKC-DH002

Description of Site:		
Site Number	SKC-DH002	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – RE of Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4144	29.90852
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A farm house with outbuildings was identified at this location.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 100m.	
Photographs and diagrams (Figure numbers)		
	<i>Figure 20: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of medium significance.	


Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.15 SKC-DH003

Description of Site:		
Site Number	SKC-DH003	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – RE of Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.42	29.9082
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Two graves were identified at this location. The graves were placed next to each other next to the fence. The graves were orientated from east to west and their dressings consisted of informal, elongated oval shaped mounds of rock. The one grave's dressing was much bigger than the other grave.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 2m x 4m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 21: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of high significance.	


Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will include extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.16 SKC-DH004

Description of Site:		
Site Number	SKC-DH004	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – RE of Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4151	29.90946
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Two farm labourer houses. The one house is still in use, but the other house was abandoned. These houses could be connected to the farm house identified at SKC-DH003 .	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 50m x50m	
Photographs and diagrams (Figure numbers)	 <p style="text-align: center;"><i>Figure 22: Photo of site</i></p>	
Statement of Significance (Heritage Value)	The site is of low significance.	

Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0


6.17 SKC-DH005

Description of Site:		
Site Number	SKC-DH005	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – RE of Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4153	29.90959
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	10 graves were identified on the eastern side of the 2 farm labourer houses. The graves were placed in a line next to the fence. The graves were orientated from east to west and had informal, elongated oval shaped mounds of rock or soil as dressings. The last grave in the line belonged to Mr. Andries Nkosi, the farm labourer who resides in the farm labourer house next to the graves.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	10m x 20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 23: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4


6.18 SKC-DH006

Description of Site:		
Site Number	SKC-DH006	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – Portion 11
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4023	29.91026
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	38 graves were identified at this location. 32 of these graves were found next to each other in a line next to the fence. The other 6 graves were placed in a second line next to the first line. Most of the graves had informal, elongated oval shaped mounds of rock or soil as dressing, but two of the graves had more formal rectangular shaped brick and cement dressings. Some of the graves showed depressions as the graves settled after decomposition of the deceased and/or the coffins. Most of the graves belonged to the Nkosi-family (another Nkosi-family).	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	10m x 50m	


<p>Photographs and diagrams (Figure numbers)</p>	 <p style="text-align: center;"><i>Figure 24: Photo of site</i></p>				
<p>Statement of Significance (Heritage Value)</p>	<p>The site is of high significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.A)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as high negative.</p>				
<p>Recommendations including:</p>	<p>In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.A</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.19 SKC-DH007

Description of Site:		
Site Number	SKC-DH007	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – Portion 11
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4032	29.91026
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The remains of an extended mud brick homestead were identified at this location. The dilapidated remains of a multi-roomed and multi-building mud brick homestead were found ± 80m to the south-west of the 38 identified graves. The remains of the homestead were not clear and the sizes and shapes of the structures could not be distinguished. The homestead extended over an area of approx. 40m x 40m . Modern metal artifacts such as wire, corrugated iron and vehicle parts were found scattered over the site. The site was most probably younger than 60 years and belonged to farm labourers.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 40m x 40m.	


<p>Photographs and diagrams (Figure numbers)</p>	 <p style="text-align: center;"><i>Figure 25: Photo of site</i></p>				
<p>Statement of Significance (Heritage Value)</p>	<p>The site is of low significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.C)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as low negative.</p>				
<p>Recommendations including:</p>	<p>No further action required.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>3</p>	<p>GP.C</p>	<p>1</p>	<p>1</p>	<p>1</p>	<p>0</p>

6.20 SKC-DH008

Description of Site:		
Site Number	SKC-DH008	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – Portion 11
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4098	29.90199
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The dilapidated remains of a farm house with an outbuilding were identified at this location. The main structure of the building was built with cement and rocks which were collected from the area (a local rock, which were also used with the dressings of the informal graves). These walls were thick. Additions or extensions were later built with cement and bricks.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 50m x 50m.	
Photographs and diagrams (Figure numbers)		
	<i>Figure 26: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of medium significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.21 SKC-DH009

Description of Site:		
Site Number	SKC-DH009	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – Remainder of Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4113	29.90554
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A single grave was identified at this location. The grave was in the middle of a ploughed field and had a formal dressing which was damaged to an extent. The dressing consisted of a cement slab which was decorated with black and white tiles. Another cement block served as headstone. The grave was orientated from east to west and was facing east. According to Mr. Vincent Cockcroft the grave was that of a Joubert from 1919.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 2m x 3m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 27: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.22 SKC-DH010

Description of Site:		
Site Number	SKC-DH010	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – Remainder of Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4178	29.90953
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A single grave was identified at this location. The grave was situated next to the fence among a cluster of trees. The dressing consisted of a large informal, elongated mound of rock which was orientated from east to west. No other information was available regarding this grave at the time of the investigation.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 2m x 3m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 28: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of high significance.	

Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will include extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.23 SKC-DH011



Description of Site:		
Site Number	SKC-DH011	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – Portion 11
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.402	29.90307
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A farm house with outbuildings was identified here. The main house was a rather recent addition, but several of the other buildings were much older. According to Mr. Vincent Cockcroft the buildings were more than a hundred years old. These buildings included a cottage, a store room with attached cattle kraal and another building of which the function wasn't clear. All of these older buildings were in a dilapidated state and were crumbling.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100m x 100m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 29: Photo of recent house</i>	



Figure 30: Photo of older cottage

<p>Statement of Significance <i>(Heritage Value)</i></p>	<p>The site is of medium significance.</p>				
<p>Field Rating <i>(Recommended grading or field significance) of the site:</i></p>	<p>Generally protected (GP.B)</p>				
<p>Impact Evaluation <i>of development on site</i></p>	<p>Impact on site is seen as medium negative.</p>				
<p>Recommendations <i>including:</i></p>	<p>The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.B</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.24 SKC-DH012

Description of Site:		
Site Number	SKC-DH012	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Driehoek 273 IS – MA1 on 3
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3954	29.90481
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 15 x informal graves. The graves were orientated from west to east and were placed in two lines.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 20m x 30m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 31: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

VOORSLAG 274 IS**6.25 SKC-VS001**


Description of Site:		
Site Number	SKC-VS001	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Voorslag 274 IS
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4331	29.97593
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	<p>Site consists of two possible graves situated approximately 100m south-east of the now dilapidated homestead:</p> <ul style="list-style-type: none"> Grave 1 has an informal headstone consisting of an upright flat stone situated on the western side of the grave. The grave dressing consists of several medium sized rocks packed in a vaguely oval shape Grave 2 has no headstone and the dressing consist of a number of randomly packed medium sized rocks. It is uncertain if this is in fact a grave. 	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	10x20m	
Photographs and diagrams (Figure numbers)		



Figure 32: Photo of site


<p>Statement of Significance (Heritage Value)</p>	<p>The site is of high significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.A)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as high negative.</p>				
<p>Recommendations including:</p>	<p>In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.A</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.26 SKC-VS002

Description of Site:		
Site Number	SKC-VS002	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4325	29.97526
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Site consists of the remains of a farmstead. The house has been totally demolished and only some of the outbuildings (an outdoor toilet and what looks like stables) still remain. The area is littered with typical farmyard objects.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	300x400m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 33: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.27 SKC-VS003

Description of Site:		
Site Number	SKC-VS003	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4328	29.9254
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Site consists of an informal cemetery containing 14 graves. Although one grave has a cement headstone and dressing, none of the graves has any inscription giving clues as to the identity of the deceased. Most of the graves have stone packed dressings. 12 of the 14 graves are aligned east/west and two are aligned north/south. The reason for this misalignment is unknown.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	30x40m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 34: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.28 SKC-VS004

Description of Site:		
Site Number	SKC-VS004	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4005	29.91893
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An old farm house (Waterkuil) which is still being occupied with several outbuildings which are still in use.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100x100m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 35: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of medium significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.29 SKC-VS005

Description of Site:		
Site Number	SKC-VS005	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4057	29.91958
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Informal cemetery with at least 60 x graves in between ploughed fields. All the graves had informal dressings and were orientated from west to east. One grave had a cement and brick outline with a cement cross. They were placed in several lines.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100m x 50m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 36: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.30 SKC-VS006

Description of Site:		
Site Number	SKC-VS006	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4141	29.91295
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A cluster of 6 graves was identified here. All the graves had informal dressings and were orientated from west to east. One grave had a mound of loose bricks and loose cement slabs.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	10m x 15m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 37: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.31 SKC-VS007

Description of Site:		
Site Number	SKC-VS007	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4135	29.91063
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	6 x informal graves were identified here. The graves were orientated from west to east.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 5m x 15m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 38: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of high significance.	


Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will include extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.32 SKC-VS008

Description of Site:		
Site Number	SKC-VS008	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4115	29.92203
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	3 x informal graves placed next to each other were identified here. The graves were orientated from west to east and were overgrown with poplar-grove.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	5x15m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 39: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.33 SKC-VS009

Description of Site:		
Site Number	SKC-VS009	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4267	29.92076
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	1 x formal grave of a child which was placed inside a square stone packed enclosure. (☼ 25-11-1897: † 07-04-1899). Possibly a Bezuidenhout child	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	4m x 4m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 40: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.34 SKC-VS010

Description of Site:		
Site Number	SKC-VS010	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4353	29.92188
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An old farm house with a barn and stable were identified here. The house was recently restored.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 100m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 41: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of medium significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.35 SKC-VS011

Description of Site:		
Site Number	SKC-VS011	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4346	29.92462
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 41 informal graves in several lines was identified here. The graves were orientated from west to east and were placed along the fence.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	50m x 20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 42: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of high significance.	

Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will include extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.36 SKC-VS012

Description of Site:		
Site Number	SKC-VS012	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4027	29.96976
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	<p>A small cave with an extension on the eastern side was identified here. 9 x non-diagnostic potsherds, bone fragments, iron/metal fragments, but no stone age artifacts were found in the deposits at the entrance to the cave. The cave formed part of a small stream and further down the stream (50m – 200m) several stretches/sections of stone walling and terracing were identified.</p> <p>Mrs. Spies indicated that this site is known as a hiding place for local inhabitants during the difacane period. The farm also got its earlier name from this place.</p>	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Archaeological	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 200m.	



Figure 43: Photo of site

Photographs and diagrams (Figure numbers)



Figure 44: Stonewalling on site



Figure 45: Potsherds and metal recovered from site


<p>Statement of Significance (Heritage Value)</p>	<p>The site is of high significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Local Significant (3B)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as low negative.</p>				
<p>Recommendations including:</p>	<p>If the site is to be impacted by mining, extensive documentation and possible excavation of the site will be required before destruction of the site.</p> <p>Excavations will require a permit under Section 35 of the NHRA from SAHRA</p> <p>The destruction permit will have to be applied for from SAHRA.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>3</p>	<p>LS.3B</p>	<p>1</p>	<p>1</p>	<p>1</p>	<p>0</p>

6.37 SKC-VS013

Description of Site:		
Site Number	SKC-VS013	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4002	29.9696
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	<p>Current historic farm house and outbuildings occupied by the Spies family. The farmhouse and farm Voorslag (formerly Kafferspruit) is owned by the current family since 1876.</p> <p>The main house has been changed over time and some of the outbuilding has remained unchanged overtime.</p> <p>The Fourie and Van Niekerk families had a strong association with Paul Kruger and he spend numerous visits on this farm.</p>	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 100m	
Photographs and diagrams (Figure numbers)	Figure 46: Photo of site	
Statement of Significance (Heritage Value)	The site is of medium significance.	
Field Rating (Recommended grading or field significance) of the site:	Generally protected (GP.B)	
Impact Evaluation of development on site	Impact on site is seen as medium negative.	
Recommendations including:	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.	

Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.38 SKC-VS014

Description of Site:		
Site Number	SKC-VS014	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.399	29.96986
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 13 graves was identified here. The graves were orientated from west to east and were placed in three lines. The graves are those of the Van Niekerk and Fourie families and date between 1883 and 1970.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 30m x 30m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 47: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.39 SKC-VS015

Description of Site:		
Site Number	SKC-VS015	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3846	29.98191
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	<p>An informal cemetery with 39 graves was identified here. The graves were orientated from west to east and were placed in three lines.</p> <p>The graves are associated with the farm workers housing surrounding the site. The families represented are the Shongwe, Mavuso and Simelane. The only date available is a grave date 1955.</p>	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 50m x 30m	
Photographs and diagrams (Figure numbers)		



Figure 48: Photo of site

<p>Statement of Significance (Heritage Value)</p>	<p>The site is of high significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.A)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as high negative.</p>				
<p>Recommendations including:</p>	<p>In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.A</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.40 SKC-VS016


Description of Site:		
Site Number	SKC-VS016	
Map reference	Topo-sheet number	Farm Portion
	2629BD	
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3881	29.96331
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	<p>An informal cemetery with 36 graves was identified here. The graves were orientated from west to east and were placed in several lines.</p> <p>The graves are associated with the farm workers. The families represented are the Zulu family. The only date available is a grave date 1957.</p>	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 50m x 30m	
Photographs and diagrams (Figure numbers)		



Figure 49: Photo of site


<p>Statement of Significance (Heritage Value)</p>	<p>The site is of high significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.A)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as high negative.</p>				
<p>Recommendations including:</p>	<p>In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.A</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

KLIPFONTEIN 245 IS**6.41 SKC-KF001**

Description of Site:		
Site Number	SKC-KF001	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipfontein 245 IS – MA1 of 19
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3323	29.94571
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 3 graves was identified here. The graves were orientated from west to east and were placed in one row.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 5m x 10m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 50: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.42 SKC-KF002

Description of Site:		
Site Number	SKC-KF002	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipfontein 245 IS – MA1 of 19
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3314	29.94386
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The site is that of the remains of and old barn. Only the foundations of ferricrete and sand stone remain.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	30mx15	
Photographs and diagrams (Figure numbers)		
	<i>Figure 51: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of medium to low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.43 SKC-KF003

Description of Site:		
Site Number	SKC-KF003	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipfontein 245 IS – MA1 of 19
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3329	29.9403
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A single informal stone packed grave was identified here. The grave was orientated from west to east.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 20m x 2m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 52: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.44 SKC-KF004

Description of Site:		
Site Number	SKC-KF004	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipfontein 245 IS – MA1 of 19
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3329	29.94127
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 7 graves was identified here. The graves were orientated from west to east and were placed in two rows.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 10m x 20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 53: Photo of site</i>	
Statement of Significance (Heritage Value)	The site is of high significance.	

Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will include extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

KLIPSTAPEL 243 IS**6.45 SKC-KS001**


Description of Site:		
Site Number	SKC-KS001	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipstapel 243 IS – Portion 2
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3395	29.94314
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with at least 24 x informal graves was identified here. Some of the graves had cement and brick outlines as dressings and all of them were orientated from west to east.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	20m x 50m	
Photographs and diagrams (Figure numbers)		

Figure 54: Photo of site

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.46 SKC-KS002



Description of Site:		
Site Number	SKC-KS002	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipstapel 243 IS – Portion 2
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3476	29.9622
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 14 x graves was identified here. All the graves had informal dressings and were orientated from west to east. One grave had a cement outline as dressing and an inscribed cement headstone.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	10m x 30m	
Photographs and diagrams (Figure numbers)		

Figure 55: Photo of site


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.47 SKC-KS003

Description of Site:		
Site Number	SKC-KS003	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipstapel 243 IS – Portion 2
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3465	29.9645
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An unknown, abandoned, dilapidated mine building was identified here.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	30mx20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 56: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of to low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.48 SKC-KS004

Description of Site:		
Site Number	SKC-KS004	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Klipstapel 243 IS – Portion 2
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3429	29.95236
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 17 x informal graves was identified here. The graves were placed next to each other and they were orientated from west to east. 3 x graves had cement crosses with inscriptions.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	10x20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 57: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

SPITSKOP 276 IS**6.49 SKC-SK001**


Description of Site:		
Site Number	SKC-SK001	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Spitskop 276 IS – Portion 30
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4484	29.97032
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An old farm house with a barn, out buildings and chicken houses were identified here. The house and outbuildings have been abandoned since 1975 according to Mr John Masina. The previous owners were Arnold Charles and Frank Stergis.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 100m x 100m	
Photographs and diagrams (Figure numbers)		



Figure 58: Photo of site


<p>Statement of Significance <i>(Heritage Value)</i></p>	<p>The site is of medium significance.</p>				
<p>Field Rating <i>(Recommended grading or field significance) of the site:</i></p>	<p>Generally protected (GP.B)</p>				
<p>Impact Evaluation <i>of development on site</i></p>	<p>Impact on site is seen as medium negative.</p>				
<p>Recommendations <i>including:</i></p>	<p>The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.B</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.50 SKC-SK002

Description of Site:		
Site Number	SKC-SK002	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Spitskop 276 IS – Portion 30
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4502	29.95855
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 40 graves was identified here. The graves were orientated from west to east and were placed in two rows. The graves are those of the Nhlabathine family and dates 1953 to 1957.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 50m x 30m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 59: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.51 SKC-SK003

Description of Site:		
Site Number	SKC-SK003	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Spitzkop 276 IS – Portion 30
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4481	29.96386
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 19 graves was identified here. The graves were orientated from west to east and were placed in one row along the fence.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 50m x 20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 60: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.52 SKC-SK004

Description of Site:		
Site Number	SKC-SK004	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Spitskop 276 IS – Portion 30
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.448	29.97234
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 3 graves was identified here. The graves were orientated from west to east and were placed in one row. The graves are that of CJJ Swart (1923), HM Van Rensburg (1934) and HC Skead (1917)	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 10m x 10m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 61: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

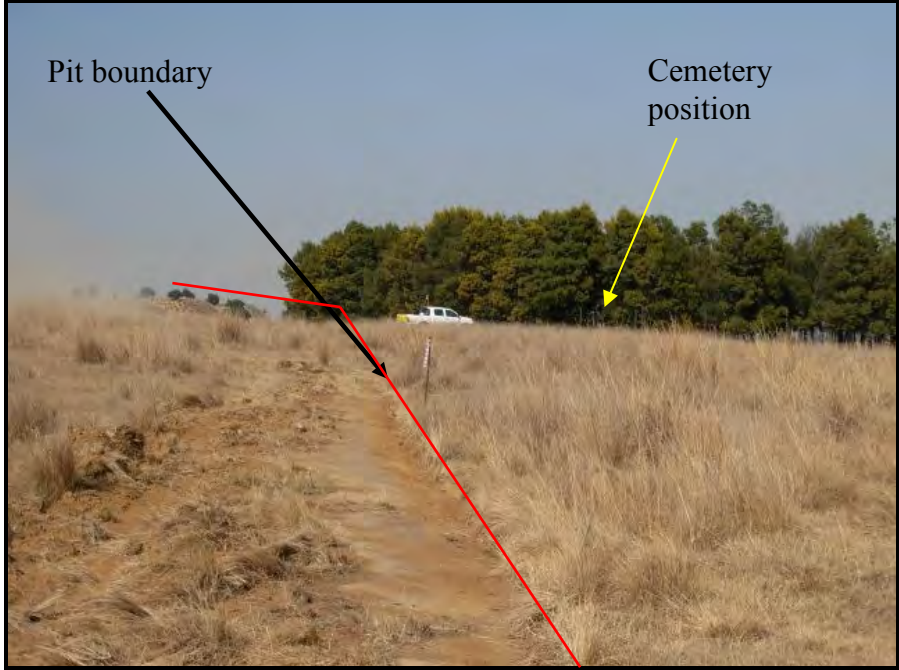
6.53 SKC-SK005

Description of Site:		
Site Number	SKC-SK005	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Spitzkop 276 IS – Portion 30
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.4572	29.97525
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 35 graves was identified here. The graves were orientated from west to east and were placed in four rows.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent to Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approx. 50m x 30m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 62: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

WATERVAL 244 IS**6.54 SKC-WV001**

Description of Site:		
Site Number	SKC-WV001	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS - Remainder
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.374	29.94553
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	Cemetery, consisting of approximately 4 graves. None of the graves have formal dressings and all are stone packed and aligned east-west	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 3m x 10m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 63: Photo of site</i>	


<p>Statement of Significance (Heritage Value)</p>	<p>The site is of high significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.A)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as high negative.</p>				
<p>Recommendations including:</p>	<p>The cemetery falls within the mining area but outside the proposed open cast pit.</p>  <p style="text-align: center;"><i>Figure 64: Photo of site position and berm wall</i></p> <p>The cemetery is currently not endangered and is fenced. It is further recommended that a buffer of 20 metres must be kept between the pit and the cemetery.</p> <p>It must however be considered that open cast mining can be extended at a later stage and impact on the site and in such a case the graves must be relocated. At this stage no such planning is envisaged.</p> <p>In the event of the relocation of the graves are considered it must be taken into account that the graves are protected under the NHRA Section 36, and will require an approved grave relocation process.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.A</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.55 SKC-WV002

Description of Site:		
Site Number	SKC-WV002	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS - Remainder
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3734	29.94364
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The site consists of the remains and foundations of a historic farmstead. All the structures were constructed with sandstone. None of the remains are more than foundations.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100x100m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 65: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of medium significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.56 SKC-WV003

Description of Site:		
Site Number	SKC-WV003	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3669	29.95019
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The site consists of the remains and foundations of a recent historic farm workers farmstead.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	50x50mm	
Photographs and diagrams (Figure numbers)		
	<i>Figure 66: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of medium significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.57 SKC-WV004

Description of Site:		
Site Number	SKC-WV004	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3703	29.97133
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The site consists of a farmstead with outbuildings. Currently still in use	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100x100mm	
Photographs and diagrams (Figure numbers)		
	<i>Figure 67: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of medium significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.58 SKC-WV005

Description of Site:		
Site Number	SKC-WV005	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 9
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3543	29.90402
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A cluster of 4 graves was identified here. 3 of the graves had informal dressings and the fourth grave had formal granite headstone.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	Approximately 3m x 10m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 68: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.59 SKC-WV006

Description of Site:		
Site Number	SKC-WV006	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 9
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3557	29.90023
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An old farm house with several outbuildings was identified here. The farm house is still being occupied and the outbuildings are still in use.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100mx200m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 69: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.60 SKC-WV007

Description of Site:		
Site Number	SKC-WV007	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 8
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3732	29.89942
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The dilapidated remains of an early European homestead were identified here. Two sandstone constructed buildings were approximately 30m from each other. The buildings were placed on an exposed sandstone slab which served as floor. Various metal artifacts were found scattered around	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	30x50m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 70: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.61 SKC-WV008

Description of Site:		
Site Number	SKC-WV008	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 8
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3721	29.90078
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A rectangular shaped stone walled cattle kraal was identified here. The kraal measured approx. 10m x 20m and had an entrance on the northern end. More incomplete or robbed walls were evident on the western side of the kraal and the kraal could be associated with site 28.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	20x30m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 71: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.62 SKC-WV009

Description of Site:		
Site Number	SKC-WV009	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Remainder of Portion 3
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.359	29.9291
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A cluster of 12 x informal graves was identified here. One grave, however, had a cement dressing with a cement headstone. The inscription read Mr. Lucas Mpanza (☼ 1920; † 19-12-1948). The graves were orientated from west to east.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	20x15m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 72: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.63 SKC-WV010

Description of Site:		
Site Number	SKC-WV010	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Remainder of Portion 3
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3603	29.92976
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A single formal grave of Gabriel Stefanus van Niekerk (☼ 02-12-1891; † 18-05-1900) was identified here. Dressing was damaged and the grave was fenced in. The grave could possibly be associated with site 28.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	3x4m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 73: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.64 SKC-WV011

Description of Site:		
Site Number	SKC-WV011	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 11
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3638	29.92452
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A small square stone walled structure which measured approx. 5m x 5m and had an entrance on the southern side was identified here. Possible room or kraal. Nothing else associated with the structure.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	40x40m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 74: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.65 SKC-WV012

Description of Site:		
Site Number	SKC-WV012	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Remainder of Portion 3
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3574	29.9278
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The dilapidated remains of a multi-roomed building were identified here. The building doesn't look very old and was most probably the remains of farm labourer quarters.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	30x20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 75: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.66 SKC-WV013

Description of Site:		
Site Number	SKC-WV013	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 6
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3887	29.91255
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	2 x possible informal graves were identified here.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	3x5m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 76: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.67 SKC-WV014



Description of Site:		
Site Number	SKC-WV014	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 6
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3825	29.91238
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An old farm house with several outbuildings (barn, shed, stables etc.) was identified here. Another, much younger farm house was built close to the old house.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	200x100m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 77: Old farm house</i>	



Figure 78: Newer farm house


<p>Statement of Significance (Heritage Value)</p>	<p>The site is of medium significance.</p>				
<p>Field Rating (Recommended grading or field significance) of the site:</p>	<p>Generally protected (GP.B)</p>				
<p>Impact Evaluation of development on site</p>	<p>Impact on site is seen as medium negative.</p>				
<p>Recommendations including:</p>	<p>The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.</p>				
<p>Summary</p>					
<p>Significance Rating</p>	<p>Field Rating</p>	<p>Probability</p>	<p>Extent</p>	<p>Duration</p>	<p>Intensity</p>
<p>13</p>	<p>GP.B</p>	<p>2</p>	<p>1</p>	<p>6</p>	<p>4</p>

6.68 SKC-WV015

Description of Site:		
Site Number	SKC-WV015	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 6
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3831	29.91297
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 16 x informal graves was. The graves were orientated from west to east and were placed in two lines.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	30x20m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 79: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.69 SKC-WV016

Description of Site:		
Site Number	SKC-WV016	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 6
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3835	29.92537
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An old dilapidated farm house and outbuildings was identified here.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	100x100m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 80: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

6.70 SKC-WV017

Description of Site:		
Site Number	SKC-WV017	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 11
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3424	29.93732
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	3 x informal graves were identified next to the remains of a dilapidated mud brick homestead.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	30x40m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 81: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.71 SKC-WV018

Description of Site:		
Site Number	SKC-WV018	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.36	29.96094
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A single informal grave was identified here.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	3x4m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 82: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.72 SKC-WV019

Description of Site:		
Site Number	SKC-WV019	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 11
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3513	29.93652
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	The old Waterval farm house and outbuildings was identified here. The house and buildings were in use up to recent times.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	300x200m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 83: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of medium significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.B)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as medium negative.				
Recommendations <i>including:</i>	The site needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.B	2	1	6	4

6.73 SKC-WV020

Description of Site:		
Site Number	SKC-WV020	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.365	29.95685
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	3 x informal graves which were placed next to each other were identified here	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	3x10m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 84: Photo of site</i>	


Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.74 SKC-WV021

Description of Site:		
Site Number	SKC-WV021	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3659	29.96076
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	An informal cemetery with 16 x informal graves was identified here. 1 x grave had a cement and brick outline as dressing. All the graves were orientated from west to east.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	3x4m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 85: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of high significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.A)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as high negative.				
Recommendations <i>including:</i>	In the event that the mining activities will impact on the site a grave relocation process needs to be implemented that will included extensive social consultation, advertisements, and the application for the necessary permits to relocate the remains of the deceased to a cemetery of their families choosing.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
13	GP.A	2	1	6	4

6.75 SKC-WV022

Description of Site:		
Site Number	SKC-WV022	
Map reference	Topo-sheet number	Farm Portion
	2629BD	Waterval 244 IS – Portion 4
GPS coordinates: <i>Indicate Model and datum - WGS 84</i>	X	Y
Garmin 60Csx, WGS 84	-26.3614	29.95823
Site Data	Description	
Type of site (e.g. open scatter; shell midden, cave /shelter);	A stone walled kraal which measured approx. 20m x 20m and a dipping station which was carved into the sandstone was identified here. The age of these structures are unknown.	
Site categories (e.g. Earlier Stone Age, Late Iron Age);	Recent Historic	
Estimation or measurement of the extent (maximum dimensions) and orientation of the site(s);	20x50m	
Photographs and diagrams (Figure numbers)		
	<i>Figure 86: Photo of site</i>	

Statement of Significance <i>(Heritage Value)</i>	The site is of low significance.				
Field Rating <i>(Recommended grading or field significance) of the site:</i>	Generally protected (GP.C)				
Impact Evaluation <i>of development on site</i>	Impact on site is seen as low negative.				
Recommendations <i>including:</i>	No further action required.				
Summary					
Significance Rating	Field Rating	Probability	Extent	Duration	Intensity
3	GP.C	1	1	1	0

7. ASSUMPTIONS AND LIMITATIONS

Not subtracting in any way from the comprehensiveness of the fieldwork undertaken, it is necessary to realise that the heritage resources located during the fieldwork do not necessarily represent all the heritage resources located there. This may be due to various reasons, including the subterranean nature of some archaeological sites and dense vegetation cover. As such, should any heritage features and/or objects not included in the present inventory be located or observed, a heritage specialist must immediately be contacted. Such observed or located heritage features and/or objects may not be disturbed or removed in any way until such time that the heritage specialist has been able to make an assessment as to the significance of the site (or material) in question. This is true for graves and cemeteries as well.

8. LEGAL AND POLICY REQUIREMENTS

8.1 General principles

In areas where there has not yet been a systematic survey to identify conservation worthy places, a permit is required to alter or demolish any structure older than 60 years. This will apply until a survey has been done and identified heritage resources are formally protected.

Archaeological and palaeontological sites, materials, and meteorites are the source of our understanding of the evolution of the earth, life on earth and the history of people.

In the new legislation, permits are required to damage, destroy, alter, or disturb them. People who already possess material are required to register it.

The management of heritage resources are integrated with environmental resources and this means that before development takes place heritage resources are assessed and, if necessary, rescued.

In addition to the formal protection of culturally significant graves, all graves, which are older than 60 years and are not in a cemetery (such as ancestral graves in rural areas), are protected. The legislation protects the interests of communities that have interest in the graves: they may be consulted before any disturbance takes place.

The graves of victims of conflict and those associated with the liberation struggle will be identified, cared for, protected and memorials erected in their honour.

Anyone who intends to undertake a development must notify the heritage resource authority and if there is reason to believe that heritage resources will be affected, an impact assessment report must be compiled at the developer's cost. Thus developers will be able to proceed without uncertainty about whether work will have to be stopped if a heritage resource is discovered.

According to the National Heritage Act (Act 25 of 1999 section 32) it is stated that:

An object or collection of objects, or a type of object or a list of objects, whether specific or generic, that is part of the national estate and the export of which SAHRA deems it necessary to control, may be declared a heritage object, including –

- objects recovered from the soil or waters of South Africa, including archaeological and palaeontological objects, meteorites and rare geological specimens;
- visual art objects;
- military objects;
- numismatic objects;
- objects of cultural and historical significance;
- objects to which oral traditions are attached and which are associated with living heritage;
- objects of scientific or technological interest;
- books, records, documents, photographic positives and negatives, graphic material, film or video or sound recordings, excluding those that are public records as defined in section 1 (xiv) of the National Archives of South Africa Act, 1996 (Act No. 43 of 1996), or in a provincial law pertaining to records or archives; and

- any other prescribed category.

Under the National Heritage Resources Act (Act No. 25 of 1999), provisions are made that deal with, and offer protection, to all historic and pre-historic cultural remains, including graves and human remains.

8.1 Graves and cemeteries

Graves younger than 60 years fall under Section 2(1) of the Removal of Graves and Dead Bodies Ordinance (Ordinance no. 7 of 1925) as well as the Human Tissues Act (Act 65 of 1983) and are the jurisdiction of the National Department of Health and the relevant Provincial Department of Health and must be submitted for final approval to the Office of the relevant Provincial Premier. This function is usually delegated to the Provincial MEC for Local Government and Planning, or in some cases the MEC for Housing and Welfare. Authorisation for exhumation and reinterment must also be obtained from the relevant local or regional council where the grave is situated, as well as the relevant local or regional council to where the grave is being relocated. All local and regional provisions, laws and by-laws must also be adhered to. In order to handle and transport human remains the institution conducting the relocation should be authorised under Section 24 of Act 65 of 1983 (Human Tissues Act).

Graves older than 60 years, but younger than 100 years fall under Section 36 of Act 25 of 1999 (National Heritage Resources Act) as well as the Human Tissues Act (Act 65 of 1983) and are the jurisdiction of the South African Heritage Resource Agency (SAHRA). The procedure for Consultation Regarding Burial Grounds and Graves (Section 36(5) of Act 25 of 1999) is applicable to graves older than 60 years that are situated outside a formal cemetery administrated by a local authority. Graves in the category located inside a formal cemetery administrated by a local authority will also require the same authorisation as set out for graves younger than 60 years over and above SAHRA authorisation. If the grave is not situated inside a formal cemetery but is to be relocated to one, permission from the local authority is required and all regulations, laws and by-laws set by the cemetery authority must be adhered to.

9. ASSESSMENT AND RECOMMENDATIONS

A locality map is provided in **Annexure A**

During the **survey seventy five site** of heritage significance were identified.

The following is a breakdown of the Heritage Sites:

Cemeteries

Forty-four (44) cemeteries with a total of 571 graves

General Management:

In the event that any of the cemeteries identified in the mining area are to be impacted directly by mining a grave relocation process should be initiated.

The grave relocation process must contain the following:

- A detailed social consultation process, that will trace the next-of-kin and obtain their consent for the relocation of the graves, that will be at least 60 days in length;
- Site notices indicating the intent of the relocation
- Newspaper Notice indicating the intent of the relocation
- A permit from the local authority;
- A permit from the Mpumalanga Department of health;
- A permit from the South African Heritage Resources Agency if the graves are older than 60 years or unidentified and thus presumed older than 60 years;
- An exhumation process that keeps the dignity of the remains and family intact;
- An exhumation process that will safeguard the legal implications towards the mining company;
- The whole process must be done by a reputable company that are well versed in relocations;
- The process must be conducted in such a manner as to safeguard the legal rights of the families as well as that of the mining company.

Farmsteads

Twenty-five (25) farmsteads

General Management:

In general all architectural structures needs to be recorded before destruction by means of scaled drawings and photographs, and with this information a permit must be applied for under Section 34 of the NHRA for the destruction of the site.

Farm workers housing

Five farm workers housing and associated structures. The possibility of stillborn burials must be investigated in each case if impacted on by mining.

Archaeological Sites

One archaeological site

General Management:

- If the site is to be impacted by mining, extensive documentation and possible excavation of the site will be required before destruction of the site.
- Excavations will require a permit under Section 35 of the NHRA from SAHRA
- The destruction permit will have to be applied for from SAHRA.

The recommendations on each site will assist the responsible management of the heritage resources of the Colliery.

General

If during mining any possible finds are made, the operations must be stopped and a qualified archaeologist be contacted for an assessment of the find.

10. LIST OF PREPARES

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11. REFERENCES

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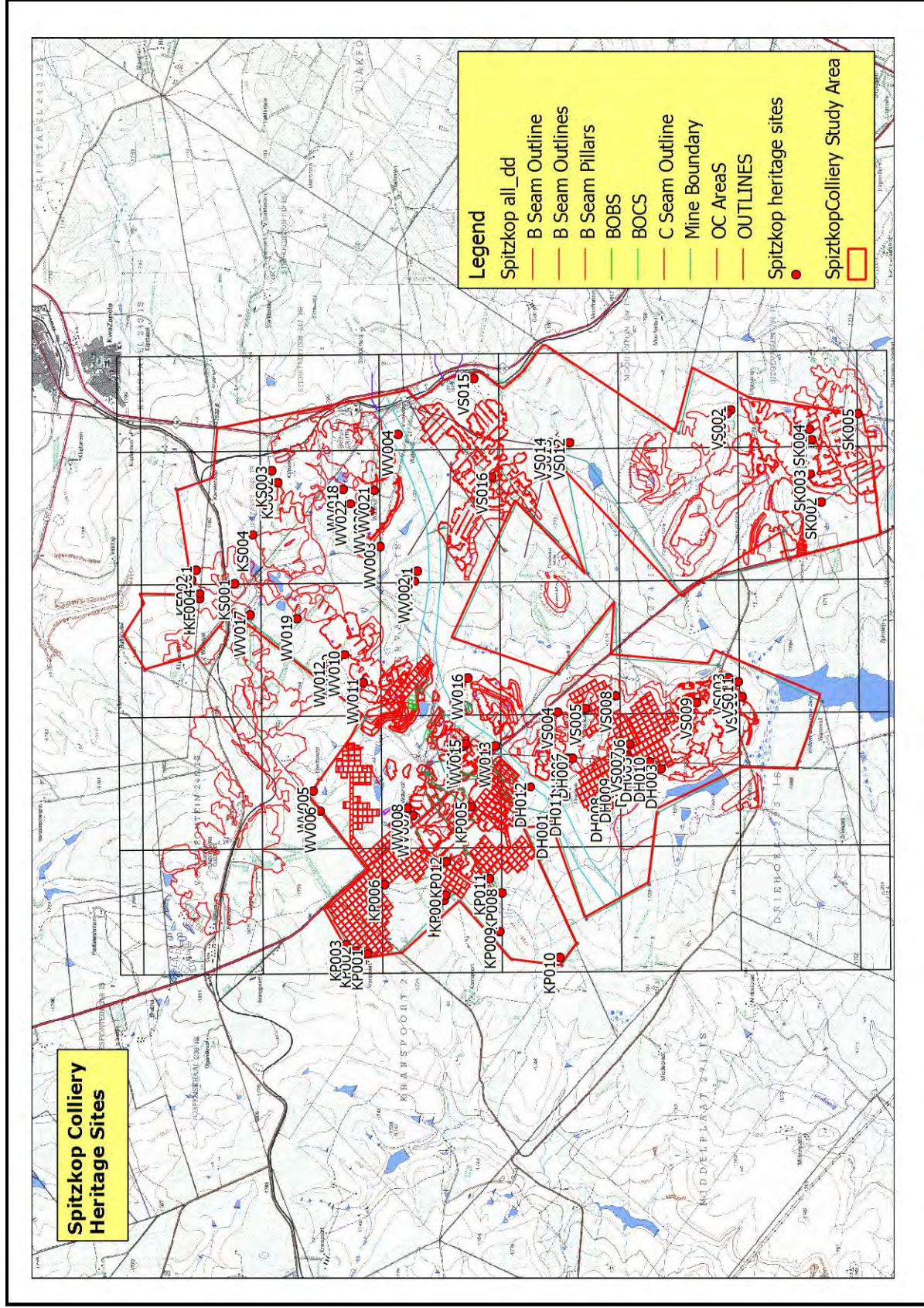
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**ANNEXURE A:
Heritage Sites**



**ANNEXURE B:
Heritage Site Coordinates**

Site name	LAT	LON
SKC-DH001	-26.3994	29.89883
SKC-DH002	-26.4144	29.90852
SKC-DH003	-26.42	29.9082
SKC-DH004	-26.4151	29.90946
SKC-DH005	-26.4153	29.90959
SKC-DH006	-26.4023	29.91026
SKC-DH007	-26.4032	29.91026
SKC-DH008	-26.4098	29.90199
SKC-DH009	-26.4113	29.90554
SKC-DH010	-26.4178	29.90953
SKC-DH011	-26.402	29.90307
SKC-DH012	-26.3954	29.90481
SKC-KF001	-26.3323	29.94571
SKC-KF002	-26.3314	29.94386
SKC-KF003	-26.3329	29.9403
SKC-KF004	-26.3329	29.94127
SKC-KP001	-26.3646	29.87336
SKC-KP002	-26.3624	29.87384
SKC-KP003	-26.3605	29.87505
SKC-KP004	-26.379	29.88336
SKC-KP005	-26.3842	29.90106
SKC-KP006	-26.3678	29.88636
SKC-KP007	-26.3793	29.88437
SKC-KP008	-26.3899	29.88478
SKC-KP009	-26.3896	29.87749
SKC-KP010	-26.4009	29.87263
SKC-KP011	-26.3876	29.88754
SKC-KP012	-26.3795	29.89069
SKC-KS001	-26.3395	29.94314
SKC-KS002	-26.3476	29.9622
SKC-KS003	-26.3465	29.9645
SKC-KS004	-26.3429	29.95236
SKC-SK001	-26.4484	29.97032
SKC-SK002	-26.4502	29.95855
SKC-SK003	-26.4481	29.96386
SKC-SK004	-26.448	29.97234
SKC-SK005	-26.4572	29.97525
SKC-VS001	-26.4331	29.97593
SKC-VS002	-26.4325	29.97526
SKC-VS003	-26.4328	29.9254
SKC-VS004	-26.4005	29.91893
SKC-VS005	-26.4057	29.91958
SKC-VS006	-26.4141	29.91295

SKC-VS007	-26.4135	29.91063
SKC-VS008	-26.4115	29.92203
SKC-VS009	-26.4267	29.92076
SKC-VS010	-26.4353	29.92188
SKC-VS011	-26.4346	29.92462
SKC-VS012	-26.4027	29.96976
SKC-VS013	-26.4002	29.9696
SKC-VS014	-26.399	29.96986
SKC-VS015	-26.3846	29.98191
SKC-VS016	-26.3881	29.96331
SKC-WV001	-26.374	29.94553
SKC-WV002	-26.3734	29.94364
SKC-WV003	-26.3669	29.95019
SKC-WV004	-26.3703	29.97133
SKC-WV005	-26.3543	29.90402
SKC-WV006	-26.3557	29.90023
SKC-WV007	-26.3732	29.89942
SKC-WV008	-26.3721	29.90078
SKC-WV009	-26.359	29.9291
SKC-WV010	-26.3603	29.92976
SKC-WV011	-26.3638	29.92452
SKC-WV012	-26.3574	29.9278
SKC-WV013	-26.3887	29.91255
SKC-WV014	-26.3825	29.91238
SKC-WV015	-26.3831	29.91297
SKC-WV016	-26.3835	29.92537
SKC-WV017	-26.3424	29.93732
SKC-WV018	-26.36	29.96094
SKC-WV019	-26.3513	29.93652
SKC-WV020	-26.365	29.95685
SKC-WV021	-26.3659	29.96076
SKC-WV022	-26.3614	29.95823