

**HERITAGE IMPACT ASSESSMENT FOR THE PLANNED  
DEVELOPMENT ON THE FARMS HEBRON 421JT AND  
TWYFELAAR 11IT, CAROLINA MUNICIPAL DISTRICT,  
MPUMALANGA PROVINCE**

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## EXECUTIVE SUMMARY

### HERITAGE IMPACT ASSESSMENT FOR THE PLANNED DEVELOPMENT ON THE FARMS HEBRON 421JT AND TWYFELAAR 11IT, CAROLINA MUNICIPAL DISTRICT, MPUMALANGA PROVINCE

The aim of the survey was to locate, identify, evaluate and document sites, objects and structures of cultural importance found within the boundaries of the area in which it is proposed to develop a rural estate.

According to current understanding of the project, this development would have a low impact on the identified heritage resources. However, as there is a possibility that the development plans might change, or that secondary impacts such as visitor intervention might occur, our recommendations are presented to accommodate these possibilities.

The sites that were identified (Appendix 3) can be categorised into three groups. Each of these represents a distinctive layer in the history of the area.

There are settlement sites dating to the Late Iron Age. They are judged to have a low significance on a regional level, but it is recommended that:

- If development is to take place on or near these sites, that the sites are recorded (mapped and photographed) and test excavated by an archaeologist before development takes place.

The second category of sites date to the historic period and is farming related, consisting of farmsteads. They are judged to have medium to high significance on a regional level and it is recommended that:

- If development is to take place on or near these sites, that the sites are recorded (mapped and photographed) and test excavated by an archaeologist before development takes place.

Three cemeteries dating to the historic period were also identified. These are judged to have a high significance on a local level and it is recommended that

- These features should be left in place and formalised by fencing them off, with suitable access in case descendants want to visit the site. If they cannot be retained in place, the possibility exists to have them relocated, after following the correct procedure. This includes notification of intent to relocate the graves, consultation with descendants, obtaining of the relevant permits

Lastly, archaeological material, by its very nature, occurs below ground. The developer should therefore keep in mind that archaeological sites might be exposed during the development activities. It is therefore recommended that

- If anything is noticed, work in that area should be stopped and the occurrence should immediately be reported to a museum, preferably one at which an archaeologist is available. The archaeologist should then investigate and evaluate the finds.

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## GLOSSARY OF TERMS

**Study area:** Refers to the entire study area as indicated by the client in the accompanying Fig. 1 and 2.

**Stone Age:** The first and longest part of human history is the Stone Age, which began with the appearance of early humans between 3-2 million years ago. Stone Age people were hunters, gatherers and scavengers who did not live in permanently settled communities. Their stone tools preserve well and are found in most places in South Africa and elsewhere.

Early Stone Age	2 000 000 - 150 000 Before Present
Middle Stone Age	150 000 - 30 000 BP
Later Stone Age	30 000 - until c. AD 200

**Iron Age:** Period covering the last 1800 years, when new people brought a new way of life to southern Africa. They established settled villages, cultivated domestic crops such as sorghum, millet and beans, and they herded cattle as well as sheep and goats. These people, according to archaeological evidence, spoke early variations of the Bantu Language. Because they produced their own iron tools, archaeologists call this the Iron Age.

Early Iron Age	AD 200 - AD 1000
Late Iron Age	AD 1000 - AD 1830

**Historical Period:** Since the arrival of the white settlers - c. AD 1840 - in this part of the country

**Tuyere:** Clay pipe used in smelting of iron, to connect the bellows to the furnace.

## LIST OF ABBREVIATIONS

<b>ADRC</b>	Archaeological Data Recording Centre
<b>EIA</b>	Early Iron Age
<b>ESA</b>	Early Stone Age
<b>LIA</b>	Late Iron Age
<b>LSA</b>	Late Stone Age
<b>MSA</b>	Middle Stone Age
<b>NASA</b>	National Archives of South Africa
<b>NHRA</b>	National Heritage Resources Act
<b>PHRA</b>	Provincial Heritage Resources Agency
<b>SAHRA</b>	South African Heritage Resources Agency

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## HERITAGE IMPACT ASSESSMENT FOR THE PLANNED DEVELOPMENT ON THE FARMS HEBRON 421JT AND TWYFELAAR 11IT, CAROLINA MUNICIPAL DISTRICT, MPUMALANGA PROVINCE

### 1. INTRODUCTION

The National Cultural History Museum<sup>1</sup> was contracted by **Interdesign Landscape Architects** to survey an area in which it is proposed to develop a rural estate. The aim of the survey was to determine the nature and potential of cultural heritage resources found within the boundaries of the area that is to be impacted by the developed.

**Cultural heritage resources** are broadly defined as all non-physical and physical human-made occurrences, as well as natural occurrences that are associated with human activity. These include all sites, structures and artefacts of importance, either individually or in groups, in the history, architecture and archaeology of human (cultural) development.

### 2. BACKGROUND AND BRIEF

The scope of work consisted of conducting a Phase 1 archaeological survey of the site in accordance with the requirements of Section 38(3) of the National Heritage Resources Act (Act 25 of 1999).

This include:

- Conducting a desk-top investigation of the area;
- A visit to the proposed development site.

The objectives were to

- Identify possible archaeological, cultural and historic sites within the proposed development areas;
- Evaluate the potential impacts of construction, operation and maintenance of the proposed development on archaeological, cultural and historical resources;
- Indicated which would be the preferred site for the proposed development;
- Recommend mitigation measures to ameliorate any negative impacts on areas of archaeological, cultural or historical importance.

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<sup>1</sup> The National Cultural History Museum is affiliated to the Northern Flagship Institution, which act as parent body for a number of museums, all of which resorts under the Department of Arts and Culture.

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### 3. STUDY APPROACH

#### 3.1 Information base (sources)

Very little heritage work has been done in this area, resulting in the near absence of any published/unpublished information. Only one source, dealing with the ethnology of the region, exists. Local people living on the farm were questioned with regards to the heritage resources.

#### 3.2 Methodology

##### 3.1 *Preliminary investigation*

###### 3.1.1 Survey of the literature

A survey of the relevant literature was conducted with the aim of reviewing the previous research done and determining the potential of the area. In this regard, various reports, anthropological, archaeological and historical sources were consulted - see the list of references below.

###### 3.1.2 Data bases

The *Heritage Sites Database* and the *Environmental Potential Atlas* was consulted. The databases of the National Archives of South Africa (NASA) were also consulted. No information regarding the study area could be obtained from this.

###### 3.1.3 Other sources

Topocadastral and other maps were also studied - see the list of references below. Aerial photographs were also studied.

##### 3.2 *Field survey*

The area was divided into blocks by using natural (e.g. streams) as well as manmade (e.g. roads, fences) boundaries, and each block was surveyed by walking and driving a number of transects across it. Fences and rivers obviously necessitated a deviation from this strategy.

##### 3.3 *Documentation*

Sites, objects and structures that are identified are documented according to the general minimum standards accepted by the archaeological profession. Coordinates of individual localities were

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determined by means of the *Global Positioning System (GPS)*<sup>2</sup> and plotted on a map. This information is added to the description in order to facilitate the identification of each locality.

Map datum used: Hartebeeshoek 94 (WGS84).

### 3.4 Limitations

- Dense vegetation (grass) encountered in some sections during the survey period, made it difficult to identify sites, as well as to establish their extent and significance – (see Fig. 1).
- The final layout of the proposed development was not available, making the formulation of mitigation proposals difficult.



Fig. 1. Iron Age stone walling hidden by the tall grass.

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<sup>2</sup> According to the manufacturer a certain deviation may be expected for each reading. Care was, however, taken to obtain as accurate a reading as possible, and then to correlate it with reference to the physical environment before plotting it on the map.

## 4. STUDY AREA

### 4.1 Description of the study area

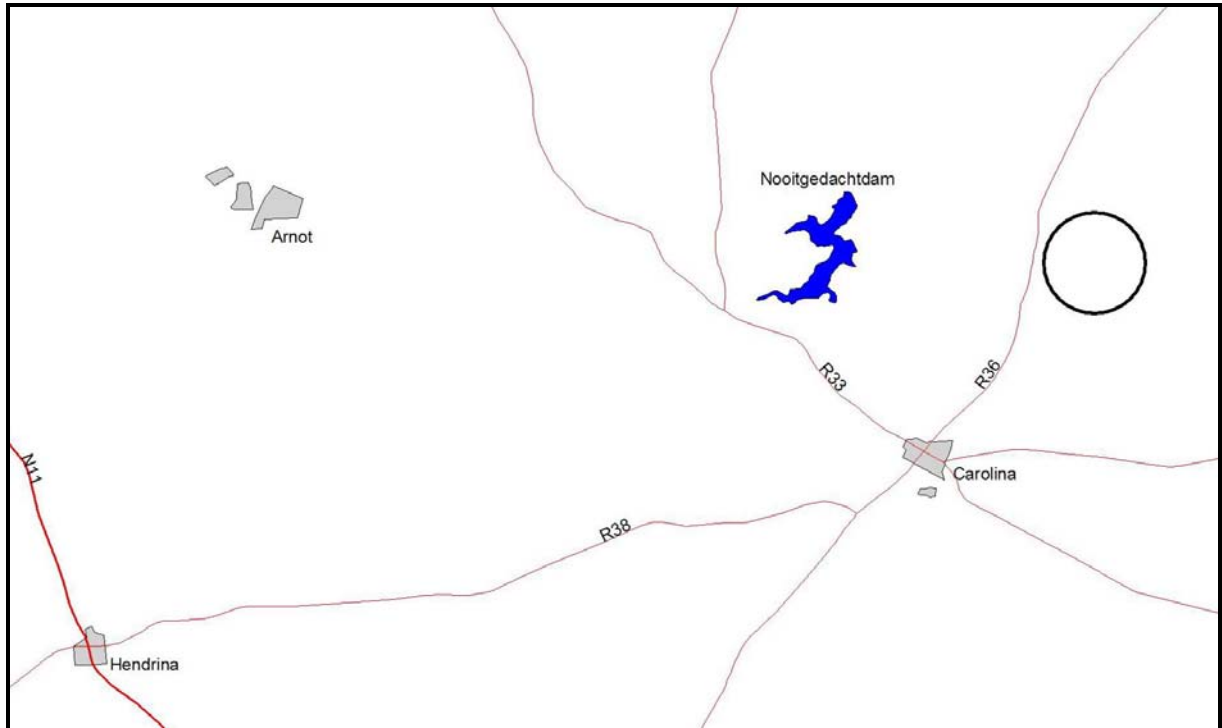


Figure 2. Location of the study area (in red) in regional context.

The location and extent of the study area can be determined from the map in Figure 2 and 3. It is located approximately 14 km northeast of the town of Carolina, east of the R36 (Fig. 1). The centre point of the area is at the following coordinates.: S 25.97209, E 30.20469. It include the Remainder of Portion 5 of the farm Hebron 421JT and Portion 6 of the farm Twyfelaar 11IT in the Carolina district of Mpumalanga.

The geology is made up of shale, with a band of arenite located south of that. The original vegetation of the area is classified as North-eastern Mountain Grassland. A number of small streams (e.g. Dassiespruit), all tributaries of the Swartspruit (eManzimnyama), passes through the area. No caves or rock shelters are known to exist on the property where the development is to take place.

### 4.2 Regional overview



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Stone Age occupation seems to have taken place in the region, especially during the Later Stone Age, as a few shelters containing rock art are known to occur.

So far, no sites dating to the Early Iron Age have been identified in the region. Stone walled sites dating to the Late Iron Age occur in large numbers in the region. These date from 1500 onwards and are conventionally linked to early Nguni-speakers who occupied the area.

Occupation during historic times goes back to the 1850s, when white settlers started to take up farms in the area. During the Anglo-Boer War some skirmishes and larger battles took place in the region, e.g. the Battle of Witkloof.

#### 4.3 Description of affected environment

A number of sites were identified and must be considered during development work. These are contextualized in chronological order below (see Appendix 3).

##### 4.3.1 *Stone Age*

No sites, features or objects dating to the Stone Age were identified in the study area.

##### 4.3.2 *Iron Age*

Occupation of the area took place during the Late Iron Age. Stone walled sites occur all over, with at least four sites found in the study area.

##### 4.3.3 *Historic period*

Some old farmsteads occur in the study area and at least one predates the Anglo-Boer War. This was and still is largely a farming area, although it is known that graphite was been mined on a section of the farm Twyfelaar. Three cemeteries were identified. The people buried here represent the original white farmers as well as the labourers who worked on the farm. The latter were all Swazi-speakers (Myburg 1956).

## 5. SITE SIGNIFICANCE AND ASSESSMENT

Impact analysis of cultural resources under threat of the proposed development, are based on the present understanding of the development.

The **significance** of a heritage site and artefacts is determined by its historical, social, aesthetic, technological and scientific value in relation to the uniqueness, condition of preservation and research

potential. It must be kept in mind that the various aspects are not mutually exclusive, and that the evaluation of any site is done with reference to any number of these.

Sites regarded as having low significance are viewed as been recorded in full after identification and would require no further mitigation. Impact from the development would therefore be judged to be low. Sites with a medium to high significance would therefore require mitigation. Mitigation, in most cases the excavation of a site, is in essence destructive and therefore the impact can be viewed as high and as permanent.

The identified sites are, in terms of Section 7 of the Heritage Act (see Appendix 2 below), viewed to be of Grade III significance:

- Based on what is known to occur in the region, the Iron Age settlement sites have a low significance on a regional level.
- The historic farmsteads, due to the fact that many were destroyed during the Anglo-Boer War, are viewed to have a medium to high significance on a regional level.
- The various cemeteries have a high significance on a local level.

## 6. IDENTIFICATION OF RISK RESOURCES

An Environmental Impact Assessment is focused on two phases of a proposed development: **the construction and operation phases**. However, from a cultural heritage perspective, this distinction does not apply. Heritage sites are fixed features in the environment, occurring within specific spatial confines. Any impact upon them is permanent and non-reversible. Those resources that cannot be avoided and that are directly impacted by the development can be excavated/recorded and a management plan can be developed for future action. Those sites that are not impacted, can be written into the management plan, whence they can be avoided or cared for in the future.

### Construction phase:

Possible Risks	Source of the risk
Actually identified risks	
- damage to sites	Construction work
Anticipated risks	
- looting of sites	Curios workers

**Operation phase:**

Possible Risks	Source of the risk
Actually identified risks	
- damage to sites	Not keeping to management plans
Anticipated risks	
- damage to sites - looting of sites	Unscheduled construction/developments Visitors removing objects as keepsakes

**7. CONCLUSION**

The aim of the survey was to locate, identify, evaluate and document sites, objects and structures of cultural importance found within the boundaries of the area in which it is proposed to develop a rural estate.

According to current understanding of the project, this development would have a low impact on the identified heritage resources. However, as there is a possibility that the development plans might change, or that secondary impacts such as visitor intervention might occur, our recommendations are presented to accommodate these possibilities.

The sites that were identified (Appendix 3) can be categorised into three groups. Each of these represents a distinctive layer in the history of the area.

There are settlement sites dating to the Late Iron Age. They are judged to have a low significance on a regional level, but it is recommend that:

- If development is to take place on or near these sites, that the sites are recorded (mapped and photographed) and test excavated by an archaeologist before development takes place.

The second category of sites date to the historic period and is farming related, consisting of farmsteads. They are judged to have medium to high significance on a regional level and it is recommended that:

- If development is to take place on or near these sites, that the sites are recorded (mapped and photographed) and test excavated by an archaeologist before development takes place.

Three cemeteries dating to the historic period were also identified. These are judged to have a high significance on a local level and it is recommended that

- These features should be left in place and formalised by fencing them off, with suitable access in case descendents wants to visit the site. If they cannot be retained in place, the possibility exists

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to have them relocated, after following the correct procedure. This includes notification of intent to relocate the graves, consultation with descendents, obtaining of the relevant permits

Lastly, archaeological material, by its very nature, occurs below ground. The developer should therefore keep in mind that archaeological sites might be exposed during the development activities. It is therefore recommended that

- If anything is noticed, work in that area should be stopped and the occurrence should immediately be reported to a museum, preferably one at which an archaeologist is available. The archaeologist should then investigate and evaluate the finds.

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## 8. REFERENCES

Acocks, J.P.H. 1975. *Veld Types of South Africa*. Memoirs of the Botanical Survey of South Africa, No. 40. Pretoria: Botanical Research Institute.

Cloete, P.G. 2000. *The Anglo-Boer War: a Chronology*. Pretoria: JP van der Walt

Holm, S.E. 1966. *Bibliography of South African Pre- and Protohistoric archaeology*. Pretoria: J.L. van Schaik.

Mason, R.J. 1962. *Prehistory of the Transvaal*. Johannesburg: Witwatersrand University Press.

Myburg, A.C. 1956. *Die stamme van die distrik Carolina*. Etnologiese Reeks Nr. 34. Pretoria: Staatsdrukker.

Richardson, D. 2001. *Historic sites of South Africa*. Cape Town: Struik Publishers.

### Interview with

Mr L Greyling, farm owner.

Mr L Nkosi, foreman on the farm

### National Archives

No documents pertaining to this farm could be found in the various databases.

### Topo-cadastral map

2530CCD

## 9. PROJECT TEAM

J van Schalkwyk: principal investigator

## APPENDIX 1: CONVENTIONS USED TO ASSESS THE IMPACT OF PROJECTS ON CULTURAL RESOURCES

### Significance

The *significance* of the sites and artefacts are determined by means of their historical, social, aesthetic, technological and scientific value in relation to their uniqueness, condition of preservation and research potential. It must be kept in mind that the various aspects are not mutually exclusive, and that the evaluation of any site is done with reference to any number of these.

Matrix used for assessing the significance of each identified site/feature

<b>1. Historic value</b>			
Is it important in the community, or pattern of history			
Does it have strong or special association with the life or work of a person, group or organisation of importance in history			
Does it have significance relating to the history of slavery			
<b>2. Aesthetic value</b>			
It is important in exhibiting particular aesthetic characteristics valued by a community or cultural group			
<b>3. Scientific value</b>			
Does it have potential to yield information that will contribute to an understanding of natural or cultural heritage			
Is it important in demonstrating a high degree of creative or technical achievement at a particular period			
<b>4. Social value</b>			
Does it have strong or special association with a particular community or cultural group for social, cultural or spiritual reasons			
<b>5. Rarity</b>			
Does it possess uncommon, rare or endangered aspects of natural or cultural heritage			
<b>6. Representivity</b>			
Is it important in demonstrating the principal characteristics of a particular class of natural or cultural places or objects			
Importance in demonstrating the principal characteristics of a range of landscapes or environments, the attributes of which identify it as being characteristic of its class			
Importance in demonstrating the principal characteristics of human activities (including way of life, philosophy, custom, process, land-use, function, design or technique) in the environment of the nation, province, region or locality.			
<b>7. Sphere of Significance</b>			
	High	Medium	Low
International			
National			
Provincial			
Regional			
Local			
Specific community			
<b>8. Significance rating of feature</b>			
1.	Low		
2.	Medium		
3.	High		

### Significance of impact:

- low where the impact will not have an influence on or require to be significantly accommodated in the project design
- medium where the impact could have an influence which will require modification of the project design or alternative mitigation
- high where it would have a "no-go" implication on the project regardless of any mitigation

### Certainty of prediction:

- Definite: More than 90% sure of a particular fact. Substantial supportive data to verify assessment
- Probable: More than 70% sure of a particular fact, or of the likelihood of that impact occurring

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- Possible: Only more than 40% sure of a particular fact, or of the likelihood of an impact occurring
  - Unsure: Less than 40% sure of a particular fact, or the likelihood of an impact occurring

**Recommended management action:**

For each impact, the recommended practically attainable mitigation actions which would result in a measurable reduction of the impact, must be identified. This is expressed according to the following:

- 1 = no further investigation/action necessary
- 2 = controlled sampling and/or mapping of the site necessary
- 3 = preserve site if possible, otherwise extensive salvage excavation and/or mapping necessary
- 4 = preserve site at all costs
- 5 = formalise cemetery or, alternatively, relocate graves if need be

**Legal requirements:**

Identify and list the specific legislation and permit requirements which potentially could be infringed upon by the proposed project, if mitigation is necessary.

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## APPENDIX 2. RELEVANT LEGISLATION

All archaeological and palaeontological sites, and meteorites are protected by the National Heritage Resources Act (Act no 25 of 1999) as stated in Section 35:

(1) Subject to the provisions of section 8, the protection of archaeological and palaeontological sites and material and meteorites is the responsibility of a provincial heritage resources authority: Provided that the protection of any wreck in the territorial waters and the maritime cultural zone shall be the responsibility of SAHRA.

(2) Subject to the provisions of subsection (8)(a), all archaeological objects, palaeontological material and meteorites are the property of the State. The responsible heritage authority must, on behalf of the State, at its discretion ensure that such objects are lodged with a museum or other public institution that has a collection policy acceptable to the heritage resources authority and may in so doing establish such terms and conditions as it sees fit for the conservation of such objects.

(3) Any person who discovers archaeological or palaeontological objects or material or a meteorite in the course of development or agricultural activity must immediately report the find to the responsible heritage resources authority, or to the nearest local authority offices or museum, which must immediately notify such heritage resources authority.

(4) No person may, without a permit issued by the responsible heritage resources authority-

- (a) destroy, damage, excavate, alter, deface or otherwise disturb any archaeological or palaeontological site or any meteorite;
- (b) destroy, damage, excavate, remove from its original position, collect or own any archaeological or palaeontological material or object or any meteorite;
- (c) trade in, sell for private gain, export or attempt to export from the Republic any category of archaeological or palaeontological material or object, or any meteorite; or
- (d) bring onto or use at an archaeological or palaeontological site any excavation equipment or any equipment which assist in the detection or recovery of metals or archaeological and palaeontological material or objects, or use such equipment for the recovery of meteorites.

In terms of cemeteries and graves the following (Section 36):

(1) Where it is not the responsibility of any other authority, SAHRA must conserve and generally care for burial grounds and graves protected in terms of this section, and it may make such arrangements for their conservation as it sees fit.

(2) SAHRA must identify and record the graves of victims of conflict and any other graves which it deems to be of cultural significance and may erect memorials associated with the grave referred to in subsection (1), and must maintain such memorials.

(3) No person may, without a permit issued by SAHRA or a provincial heritage resources authority-

- (a) destroy, damage, alter, exhume or remove from its original position or otherwise disturb the grave of a victim of conflict, or any burial ground or part thereof which contains such graves;
- (b) destroy, damage, alter, exhume, remove from its original position or otherwise disturb any grave or burial ground older than 60 years which is situated outside a formal cemetery administered by a local authority; or
- (c) bring onto or use at a burial ground or grave referred to in paragraph (a) or (b) any excavation equipment, or any equipment which assists in the detection or recovery of metals.

(4) SAHRA or a provincial heritage resources authority may not issue a permit for the destruction or damage of any burial ground or grave referred to in subsection (3)(a) unless it is satisfied that the applicant has made satisfactory arrangements for the exhumation and re-interment of the contents of such graves, at the cost of the applicant and in accordance with any regulations made by the responsible heritage resources authority.

The National Heritage Resources Act (Act no 25 of 1999) stipulates the assessment criteria and grading of archaeological sites. The following categories are distinguished in Section 7 of the Act:



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- **Grade I:** Heritage resources with qualities so exceptional that they are of special national significance;
  - **Grade II:** Heritage resources which, although forming part of the national estate, can be considered to have special qualities which make them significant within the context of a province or a region; and
  - **Grade III:** Other heritage resources worthy of conservation, and which prescribes heritage resources assessment criteria, consistent with the criteria set out in section 3(3), which must be used by a heritage resources authority or a local authority to assess the intrinsic, comparative and contextual significance of a heritage resource and the relative benefits and costs of its protection, so that the appropriate level of grading of the resource and the consequent responsibility for its management may be allocated in terms of section 8.

Presenting archaeological sites as part of tourism attraction requires, in terms 44 of the Act, a Conservation Management Plan as well as a permit from SAHRA.

(1) Heritage resources authorities and local authorities must, wherever appropriate, co-ordinate and promote the presentation and use of places of cultural significance and heritage resources which form part of the national estate and for which they are responsible in terms of section 5 for public enjoyment, education, research and tourism, including-

- (a) the erection of explanatory plaques and interpretive facilities, including interpretive centres and visitor facilities;
- (b) the training and provision of guides;
- (c) the mounting of exhibitions;
- (d) the erection of memorials; and
- (e) any other means necessary for the effective presentation of the national estate.

(2) Where a heritage resource which is formally protected in terms of Part I of this Chapter is to be presented, the person wishing to undertake such presentation must, at least 60 days prior to the institution of interpretive measures or manufacture of associated material, consult with the heritage resources authority which is responsible for the protection of such heritage resource regarding the contents of interpretive material or programmes.

(3) A person may only erect a plaque or other permanent display or structure associated with such presentation in the vicinity of a place protected in terms of this Act in consultation with the heritage resources authority responsible for the protection of the place.

**APPENDIX 3. LIST OF IDENTIFIED SITES**

Map datum used: Hartebeeshoek 94 (WGS84).

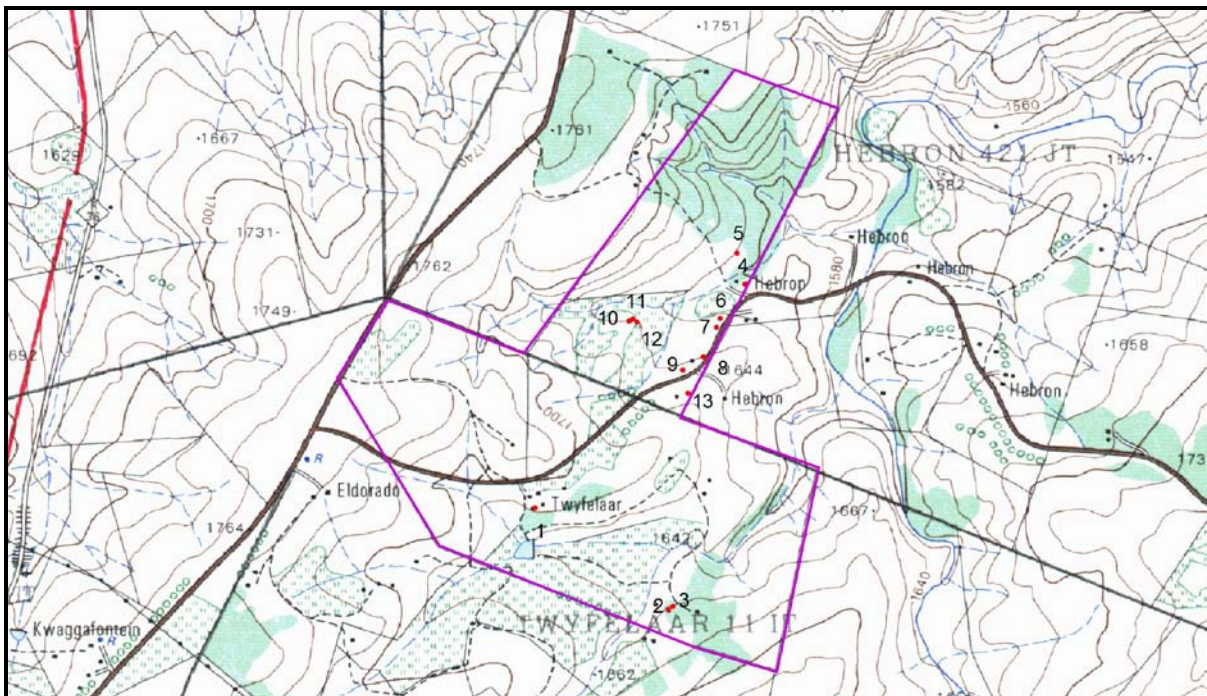


Fig. 3. The study area (outlined in purple), showing the location of the identified sites. (Map, Government Printer)

1. Location: Twyfelaar 11IT: S 25.98316; E 30.19490

Description: Old house, built by A.J. de Clercq (who later established the town of Klerksdorp) before the Anglo-Boer War. It was destroyed during this latter event, and afterwards rebuilt. It was restored by the current owner of the farm in 1987.

Discussion: Although it is not in its original state any more, it should be retained as not many structures dating to this period exists in the region.

Evaluation of significance: Medium on a regional level

Significance of impact: Low

Certainty of prediction: Probable

Recommended management action: 3 = preserve site if possible, otherwise extensive salvage excavation and/or mapping necessary

Legal requirements: SAHRA permit



2. Location: Twyfelaar 11IT: S 98916; E 30.20274

Description: Informal cemetery with approximately 30 graves. None have headstones with inscriptions. Current occupants on the farm, who have been living there for more than 20 years, have no information about the people buried here.

Discussion: It seems as if it would be difficult to trace the descendents of the people who are buried here. It is recommended that the site is formalised by fencing it off, with suitable access, and that the vegetation growth is controlled annually.

Evaluation of significance: High on a local level

Significance of impact: High

Certainty of prediction: Probably

Recommended management action: 5 = formalise cemetery or, alternatively, relocate graves if need be

Legal requirements: Notification, consultation, permits, SAHRA permit



3. Location: Twyfelaar 11IT: S 25.98893; E 30.20299

Description: Old cattle kraal, built from stone. Due to the dense black wattle plantation on the site, no other features could be seen in the area, although it is presumed to exist.

Discussion: By itself, this feature does not mean much. However, it is taken that it was linked with other features in the vicinity, such as labourers who would have lived in the area.

Evaluation of significance: Low on a regional level

Significance of impact: High

Certainty of prediction: Probable

Recommended management action: 2 = controlled sampling and/or mapping of the site necessary

Legal requirements: SAHRA permit

4. Location: Hebron 421JT: 25.97002; E 30.20722

Description: Old farmstead, consisting of a house, and outside "bakoond", and other features that are interpreted as enclosures for small and large stock.

Discussion: This is one of the original houses on the farm and can probably be linked to the people buried in the cemetery indicated in the next record.

Evaluation of significance: High on a regional level

Significance of impact: High

Certainty of prediction: Probable

Recommended management action: 3 = preserve site if possible, otherwise extensive salvage excavation and/or mapping necessary

Legal requirements: SAHRA permit



5. Location: Hebron 421JT: S 25.96819; E 30.20722

Description: Cemetery containing about 10 graves, with only a few that have headstone and readable inscriptions: WF Versfeld (1886-1965); ML Versveld (1895-1950); H Nienaber (1864-1925)

Discussion: It is recommended that the site is formalised by fencing it off, with suitable access, and that the vegetation growth is controlled annually.

Evaluation of significance: High on a local level

Significance of impact: High

Certainty of prediction: Probable

Recommended management action: 5 = formalise cemetery or, alternatively, relocate graves if need be

Legal requirements: Notification, consultation, permits, SAHRA permit



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6. Location: Hebron 421JT: S 25.97203; E 30.20576

Description: Informal cemetery with as many as 20 graves. Only one has a headstone. All of these are farm labourers and current workers do not know anything about most of the graves occurring here.

Discussion: It seems as if it would be difficult to trace the descendants of the people who are buried here. It is recommended that the site is formalised by fencing it off, with suitable access, and that the vegetation growth is controlled annually.

Evaluation of significance: High of a local level

Significance of impact: High

Certainty of prediction: Probable

Recommended management action: 5 = formalise cemetery or, alternatively, relocate graves if need be

Legal requirements: Notification, consultation, permits, SAHRA permit



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7. Location: Hebron 421JT: S 25.97269; E 30.20559

Description: Stone walled site dating to the Late Iron Age

Discussion: As the vegetation is quite high and dense, it is impossible to determine the size of this site, or its relationship to similar sites in the vicinity.

Evaluation of significance: Low on a regional level

Significance of impact: High

Certainty of prediction: Probable

Recommended management action: 2 = controlled sampling and/or mapping of the site necessary

Legal requirements: SAHRA permit



8. Location: Hebron 421JT: S 25.97425; E 30.20458

Description: Stone walled site dating to the Late Iron Age

Discussion: As the vegetation is quite high and dense, it is impossible to determine the size of this site, or its relationship to similar sites in the vicinity.

Evaluation of significance: Low on a regional level

Significance of impact: High

Certainty of prediction: Probable

Recommended management action: 2 = controlled sampling and/or mapping of the site necessary

Legal requirements: SAHRA permit

9. Location: Hebron 421JT: S 25.97507; E 30.20339

Description: Stone walled site dating to the Late Iron Age

Discussion: As the vegetation is quite high and dense, it is impossible to determine the size of this site, or its relationship to similar sites in the vicinity.



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Evaluation of significance: Low on a regional level  
Significance of impact: High  
Certainty of prediction: Probable  
Recommended management action: 2 = controlled sampling and/or mapping of the site necessary  
Legal requirements: SAHRA permit

10. Location: Hebron 421JT: S 25.97217; E 30.20042  
Description: Remains of an old farm labourer homestead.  
Discussion: This structure seems to be quite old and can possibly be related to some of the earliest labourers working on the farm.  
Evaluation of significance: Medium on a regional level  
Significance of impact: High  
Certainty of prediction: Probable  
Recommended management action: 2 = controlled sampling and/or mapping of the site necessary  
Legal requirements: SAHRA permit

11. Location: Hebron 421JT: S25.97206; E 20064  
Description: Remains of an old farm labourer homestead.  
Discussion: This structure seems to be quite old and can possibly be related to some of the earliest labourers working on the farm.  
Evaluation of significance: Medium on a regional level  
Significance of impact: High  
Certainty of prediction: Probable  
Recommended management action: 2 = controlled sampling and/or mapping of the site necessary  
Legal requirements: SAHRA permit

12. Location: Hebron 421JT: S 25.97225; E 30.20088  
Description: Stone walled site dating to the Late Iron Age  
Discussion: As the vegetation is quite high and dense, it is impossible to determine the size of this site, or its relationship to similar sites in the vicinity.  
Evaluation of significance: Low on a regional level  
Significance of impact: High  
Certainty of prediction: Probable  
Recommended management action: 2 = controlled sampling and/or mapping of the site necessary  
Legal requirements: SAHRA permit

13. Location: Hebron 421JT: 25.97002; E 30.20702  
Description: Remains of an old farm labourer homestead.  
Discussion: Very little remain of this structure and it is doubtful if further investigation would yield any significant information  
Evaluation of significance: Low on a regional level  
Significance of impact: Low  
Certainty of prediction: Probable  
Recommended management action: 1 = no further investigation/action necessary  
Legal requirements: None