PROPOSED WASTE BLENDING PLATFORM PROJECT, HERITAGE IMPACT ASSESSMENT FOR THE ROODEPOORT DISTRICT, GAUTENG

T 0 . . .

Bohlweki Environmental
P O Box 11784
Vorna Valley
MIDRAND
1686

Survey conducted and report prepared by the:

NATIONAL CULTURAL HISTORY MUSEUM PO Box 28088

SUNNYSIDE

Telephone - (012) 324 6082 Telefax - (012) 328 5173

REPORT: 2004KH45

Date of survey: August 2004 Date of report: August 2004



SUMMARY

project, Roodepoort district, Gauteng Heritage impact assessment for the proposed waste blending platform

The aim of the survey was to locate, identify, evaluate and document sites, objects and structures of cultural significance within the boundaries of the areas area of Gauteng. proposed for the construction of a waste blending platform in the Roodepoort

It is anticipated that at least some of the remains of structures located on the different sites might be older than 60 years, which is the cut-off date for their protection in the current heritage legislation. This presents a problem, as they cannot be destroyed without a valid permit from the Provincial Heritage the development to take place on any particular one site. from any on-site documentation of these remains and we have no preference for Resources Agency. However, it is our viewpoint that very little would be gained

conditions: It is recommended that the proposed development can continue, on the following

- photographically recorded, before it is destroyed. archival study must be done to ascertain the significance of the remains If the site selected for the waste blending platform contains any structures, an Based on its significance the remains must be documented, i.e. mapped and
- archaeologist is available, so that an investigation and evaluation of the finds immediately archaeological 0 reported sites are to exposed museum, gninb preferably one construction work, C) which it should

CONTENTS

Y

HERITAGE IMPACT ASSESSMENT FOR THE PROPOSED WASTE PLATFORM PROJECT, ROODEPOORT DISTRICT, GAUTENG BLENDING

THE SURVEY

and to survey five small areas, one of which is to be selected for the development of a waste blending platform. The aim of the survey was to locate, identify, evaluate the boundaries of the area that is to be impacted by the developed. The National Cultural History Museum was contracted by Bohlweki Environmental document sites, objects and structures of cultural importance found within

2. TERMS OF REFERENCE

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

- proposed development areas; Identify possible archaeological, cultural and historic sites within
- resources; of the proposed development on Evaluate the potential impacts of construction, operation and maintenance archaeological, cultural and historical
- areas of archaeological, cultural or historical importance Recommend mitigation measures to ameliorate any negative impacts 9

3. DEFINITIONS AND ASSUMPTIONS

The report: following aspects have Q direct bearing on the survey and the resulting

- × importance, either individually or in and archaeology of human (cultural) development. human activity. occurrences, as well as natural occurrences that are associated with Cultural resources These include are all nonphysical and physical all sites, structures and groups, in the history, architecture human-made artefacts of
- × mutually exclusive, and reference to any number of these potential. relation The significance of the sites and artefacts are determined by means of historical, 6 Ħ their must be social, uniqueness, kept in mind that the aesthetic, that the evaluation of condition technological ndition of pre preservation various and any site scientific aspects and is done value are research with not

- \times significance require further mitigation. $\stackrel{\sim}{=}$ Sites regarded as having low significance have already been recorded in and require no further mitigation. Sites vith medium to high
- × sensitive members of the public The latitude and longitude of archaeological information by the developer and should not be disclosed sites are to be to as

4. LEGISLATIVE REQUIREMENTS

the Environmental Conservation Act (Act 73 of 1989). two acts. These are the South Africa Heritage Resources Act (Act 25 of 1999) and Aspects concerning the conservation of cultural resources are mainly dealt within

4.1 South African Heritage Resources Act

Archaeology, palaeontology and meteorites

or any meteorite; bring onto, or use at an archaeological or palaeontological site deface or otherwise disturb any archaeological or palaeontological site or material the responsible heritage resources authority destroy, use such equipment for the recovery of meteorites. recovery of metals or archaeological and palaeontological material or objects, or any excavation equipment or any equipment that assists in the detection In terms of Section 35(4) of this act, no person may, without a permit issued by damage, excavate, 9

Structures:

issued by the relevant provincial heritage resources authority. structure or part of a Section 34(1) of this act states that no person may alter or demolish any structure which is older than 60 years without a permit act states that alter or demolish any

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

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

Human remains:

without a permit issued by the relevant heritage resources authority: In terms of Section 36(3) of the National Heritage Resources Act, no person may,

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

Human Tissue Act (Act 65 of 1983) and to local regulations Human remains that are less than 60 years old are subject to provisions 9 **He**

4.2 Environmental Conservation Act

resources should also be determined and proposals to mitigate this impact are to undertaken in areas where development, which will change the face environment, is to be made. The impact of the development on the be formulated act states that a survey and an evaluation of cultural resources should be ace cultural <u>o</u>

5. METHODOLOGY

5.1 Preliminary investigation

5.1.1 Survey of the literature

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

5.1.2 Data bases

Atlas The Archaeological Data Recording Centre (ADRC), housed at the National Cultural History Museum, Pretoria, was consulted. The Environmental Potential was also consulted

5.1.3 Other sources

below The topocadastral and other maps were also studied ŧ see the list of references

5.2 Field survey

attention was given to unnatural topographical occurrences such as trenches, holes, structures, outcrops and clusters of trees were investigated. practices, and was aimed at locating all possible sites, objects and structures. The areas that had to be investigated were identified by Bohlweki Environmental by maps. The survey was done according areas were investigated 6 generally by walking across it. accepted archaeologica

on the existence of known sites possible, local people were interviewed in an effort to obtain information

5.3 Documentation

the general minimum standards accepted by the archaeological profession. Coordinates of individual localities are determined by means of the **Global Positioning System** (GPS)¹ and plotted on a map. This information is added to All sites, objects and structures that are identified are documented according to description in order to facilitate the identification of each locality. general minimum standards accepted by the

Map datum used: Hartebeeshoek 94 (WGS84).

¹ 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.

DESCRIPTION OF THE AREA

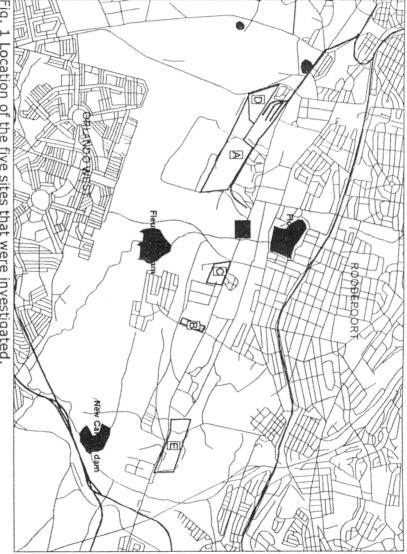


Fig. 1 Location of the five sites that were investigated.

The five sites, of varying size, are located on both the southern and northern side of the R41, also known as Main Reef Road, in the Roodepoort area of Gauteng (see Fig. 1).

gold mining industry. As a result, any indication of pre-colonial settlement in the area had been destroyed or covered by later features, such as slimes dams and buildings.

1969), are located to the east of the area under discussion. However, these sites are not threatened by the proposed development. number of sites declared as heritage sites under the previous Act (No. 29 of

As most mining activities have ceased in this area, all or most of the structures have been abandoned, vandalised or are reused for a variety of purposes.

7. DISCUSSION

7.1 Stone Age

people occur in the area. No stone tools were noticed and no sites likely to be inhabited by Stone Age

7.2 Iron Age

No sites dating to the Iron Age were identified.

7.3 Historical period

probably form part of a larger whole, which covers areas larger than the identified is difficult to assess the significance of the remains on a particular site, as they All of the identified sites show remains of previous activities, ranging from earthworks to structures, most of which is probably mining related. At present, it All of the

8. IDENTIFICATION OF RISK SOURCES

The following project actions may impact negatively on archaeological sites and other sites of cultural importance. The actions are most likely to occur during the construction phase of the proposed project.

structures. Construction activities may expose hidden features such as graves or other

9. RECOMMENDATIONS

The aim of the survey was to locate, identify, evaluate and document objects and structures of cultural significance within the boundaries of the proposed for the construction of a waste blending platform. areas

the development to take place on any particular one site Resources Agency. However, it is our viewpoint that very little would be gained from any on-site documentation of these remains and we have no preference for different sites might be older than 60 years, which is the cut-off date for their protection in the current heritage legislation. This presents a problem, as they It is anticipated that at least some of the remains of structures located on the be destroyed without Q valid permit from the Provincial Heritage

conditions: It is recommended that the proposed development can continue, on the following

If the site selected for the waste blending platform contains any structures, an archival study must be done to ascertain the significance of the remains. photographically recorded, before it is destroyed. Based on its significance the remains must be documented, i.e. mapped and

If archaeological immediately be archaeologist is available, so that an investigation and evaluation of the finds can be made. reported sites are 6 exposed ۵ museum, during preferably construction work, one at Which should an

10. REFERENCES

10.1 Data bases

Pretoria Archaeological Data Recording Centre, National Cultural History Museum,

Environmental Potential Atlas, Department of Environmental Affairs and Tourism.

10.2 Literature

Bleloch, W. 1901. The New South Africa. London: W. Heinemann.

Cartwright, A.P. 1962. The Gold Miners. Cape Town: Purnell and Sons.

archaeology. Pretoria: J.L. van Schaik. 1966. Bibliography of South African Preand Protohistoric

University Press. P.J. 1962. Prehistory of the Transvaal. Johannesburg: Witwatersrand

Praagh, L.V. (ed.) 1906. The Transvaal and its mines. London: Praagh & Lloyd

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

Van paintings in South Africa. Archaeological Survey, Archaeological Series No. Riet Lowe, n.d. The distribution of Prehistoric **TOCK** engravings and

Africa. Ethnological Publications No. Van Warmelo, N.J. 1935. D Preliminary survey of the 5. Pretoria: Government Printer Bantu Tribes of South

Pretoria: Government Printer. Van Warmelo, N.J. 1977. Anthropology of Southern Africa in Periodicals to 1950

10.3 Maps

1: 50 000 Topocadastral maps - 2627BB

11. PROJECT TEAM

J van Schalkwyk M Naude

ã

APPENDIX 1: GLOSSARY AND ABBREVIATIONS

This section is included to give the reader some necessary background. It must be kept in mind, however, that these dates are all relative and serve only to give a very broad framework for interpretation.

STONE AGE

Early Stone Age (ESA)
Middle Stone Age (MSA)
Late Stone Age (LSA)

2 000 000 - 150 000 Before Present 150 000 - 30 000 BP 30 000 - until c. AD 200

IRON AGE

Early Iron Age (EIA) Late Iron Age (LIA)

AD 200 - AD 1000 AD 1000 - AD 1830

HISTORICAL PERIOD

country Since the arrival of the white settlers -Ö AD 1840 in this part of the

ADRC - Archaeological Data Recording Centre

tools core a piece of stone from which flakes were removed to be used or made into

PHRA - Provincial Heritage Resources Agency

SAHRA - South African Heritage Resources Agency