CULTURAL HERITAGE ASSESSMENT OF PROPOSED MSUKENI EASTERN CAPE PROVINCE, SOUTH AFRICA DEVELOPMENT ENTERPRISE, MT AYLIFF,

Assessment and report by



for

Environmental and Rural Solutions

Contact Nicky Mcleod (039) 737 4849 fax (039) 737 4892

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Introduction

heritage assessment of the area affected by the proposed Msukeni Development Enterprise near Mt Ayliff in the Eastern Cape, in terms of the South African Heritage Resources Management Act No 25 of 1999. eThembeni Cultural Heritage was appointed by Environmental and Rural Solutions to undertake a cultural

Section 38(1) of the Act requires a cultural heritage assessment in case of

- (a) development or barrier exceeding 300 m in length; the construction of a road, wall, power line, pipeline, canal or other similar form of linear
- **(b)** the construction of a bridge or similar structure exceeding 50 m in length;
- 0 any development or other activity which will change the character of a site
- 9 exceeding 5 000 m² in extent; or
- (H) involving three or more existing erven or subdivisions thereof; or
- (III) within the past five years; or involving three or more erven or subdivisions thereof which have been consolidated
- (iv) provincial heritage resources authority; the costs of which will exceed a sum set in terms of regulations by SAHRA or a
- @ <u>@</u> the re-zoning of a site exceeding 10 000m² in extent; or
- heritage resources authority any other category of development provided for in regulations by SAHRA or a provincial

includes the following wide range of places and objects: architectural, historical, scientific, social, spiritual, linguistic or technological value or significance. This and rituals. The Act defines a heritage resource as any place or object of cultural significance i.e. of aesthetic far more encompassing and includes both intangible and invisible resources such as places, oral traditions A cultural heritage assessment is not limited to archaeological artefacts, historical buildings and graves. It is

- places, buildings, structures and equipment;
- places to which oral traditions are attached or which are associated with living heritage
- historical settlements and townscapes;
- landscapes and natural features;
- geological sites of scientific or cultural importance:
- **30** archaeological and palaeontological sites
- graves and burial grounds, including -
- 0 ancestral graves
- 3 royal graves and graves of traditional leaders
- (III) graves of victims of conflict,
- (IV) graves of important individuals.
- 3 historical graves and cemeteries older than 60 years, and
- (IA) 1983 as amended); other human remains which are not covered under the Human Tissues Act, 1983 (Act No.65 of

(H)

- movable objects, including
 (i) objects recovered from palaeontological objects and material, meteorites and rare geological specimens objects recovered from the soil or waters of South Africa including archaeological and
- (1) ethnographic art and objects;
- (III) military objects;
- (IV) objects of decorative art.
- 3 objects of fine art;
- (E) objects of scientific or technological interest;
- (IIA) material or sound recordings; and books, records, documents, photographic positives and negatives, graphic, film or video
- (VIIIV) any other prescribed categories

but excluding any object made by a living person

- 99 traditional building techniques

and graves and burial grounds However, this survey was confined to the identification of places, buildings and structures; archaeological sites

Nature and description of proposed activity (information provided by Environmental and Rural

conduct an environmental scoping exercise on behalf of the applicant, Alfred Nzo District Municipality, concerning the establishment of the Msukeni Development Enterprise. The site is located some 12km from Mount Ayliff alongside the N2 in the Umzimvubu Local Municipality, Ward 2, of the Alfred Nzo District. Environmental and Rural Solutions (ERS), an environmental consultancy based in Matatiele, was appointed to

construction costs with funds from the Department of Housing and Local Government's Local Economic for the producers and their products Development Fund. The Municipality is facilitating the project and will assist with further training and marketing rural communities with limited access to employment, resources and services. The Municipality will cover Establishment of the enterprise is part of the Municipality's efforts at local economic development for those

The enterprise will consist of craft and fresh produce production facilities, including the following

- produce, which will be sold locally and regionally, as well as exported; Four hydroponics tunnels, each 30x10 metres in size, for the production of tomatoes and other fresh
- catering facilities A small restaurant with a conference / meeting centre for an estimated twenty people, with ablutions and
- from the hides produced at the Mount Ayliff Goat Project and A leather craft production centre, approximately 9m in diameter, to produce crafts and other leather goods
- The sinking of a borehole to supply the enterprise centre with sufficient water

the direct and indirect beneficiaries of the project four villages, each of an estimated 300 households. A total of approximately 1200 households will comprise The target beneficiaries include the rural residents of Ward 2 of the Umzimvubu Local Municipality, including

Site description and environmental issues

across the road from Nolitha Special School and approximately 850m from the closest village homestead. Its geographical coordinates are \$30°43'18" and \$E29°25'39", at approximately 1200 m above sea level. The northeast facing site has an approximately 12 to 15% slope and the existing land use is for communal grazing managed under the traditional authority. The field has been contoured and ploughed in the past The site is located approximately 600m from the N2 on the dirt road to Lubaleko, 12km from Mount Ayliff

Methodology

Matela and Nicky Mcleod of Environmental and Rural Solutions. Since a permit from SAHRA is required to disturb an archaeological site or structure, we limited our observations to surface cultural remains, without undertaking excavations or sampling of any nature Two eThembeni staff members undertook a survey of the area on 2 March 2004, accompanied by Sissie

Observations

started prior to our survey In accordance with current legislation, no construction activities associated with the proposed activities had

Iron Ages. The following tables provide a brief summary of those time periods The general area is one of variable archaeological significance, with sites recorded from both the Stone and

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	of European settlement	35 000 years ago to the time			180 000 to 35 000 years ago			1.5 million to 180 000 years ago
human remains, shell middens etc	organic and inorganic materials;	Variety of artefacts made from	and animal remains also found	include blades and flakes; human	Stone tools smaller than in ESA;	choppers, cleavers and hand axes	this time period, including large	Only stone artefacts remain from

1500 – 1700 AD Introduction of maize 1700 – 1850 AD Pre-European settlement	Late 1200 – 1500 AD Settlement by Nguni speakers	900 – 1200 AD	A ge 700 – 900 AD Ndondondwane phase	I ron 500 – 700 AD Msuluzi phase	arly 400 – 500 AD Mzonjani phase
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However, the only cultural resource observed was a scatter of Early Stone Age stone artefacts

Sterkfontein in Gauteng, which are 1.6 million years old places in East Africa, while the earliest dated stone artefacts from South Africa are the pebble tools from (Mazel 1989). Stone artefacts dating to between 2.1 and 1.6 million years old have been found in various The earliest known stone artefacts are about 2.5 million years old and were found at Kada Gona in Ethiopia

symmetrical and aesthetically pleasing clean animal skins. Although these stone tools were most likely strictly functional, many are well made crush bones to extract the marrow and pound plant tubers and seeds. Large scrapers were probably used to and underground tubers. They probably used stone choppers, handaxes and cleavers to butcher animals hunted, trapped and scavenged wild animals and collected wild plant foods, including seeds, fruits, berries We know that people learnt to control fire during the Early Stone Age but, besides stone artefacts, little evidence of other aspects of life has survived from these ancient times. People were hunter-gatherers who

the flakes, chips and chunks that are left behind when tools are made, in the same way that sawdust and wood chips are the debitage from furniture manufacturing. People probably visited the area specifically to exploit the nearby source of dolerite, a hard rock type that fractures cleanly and predictably to produce sharp The stone scatter at the Msukeni site consists mostly of debitage from the stone tool manufacturing process –

elements for millennia, while the original rock is dark grey or black in colour weathered with a distinct patina: the outer surface is a light creamy brown where it has been exposed to the We noticed a few handaxes and a fine scraper, along with numerous flakes, chunks and chips. All are

the proposed development by the criteria included in the Appendix of this report, were identified as being located on or associated with No other heritage resources of significance, as defined in the Heritage Resources Management Act 1999 and

Recommendations

(see Appendix). This is because: This Early Stone Age artefact scatter is an archaeological site with low cultural heritage significance overall

- activities; artefacts are limited mostly to debitage rather than formal tools; it is not valued by the local
- Such sites are not rare in South Africa (see Mazel 1989);
- It is not especially representative of Early Stone Age sites and The site has a low sphere of significance at all levels.

abundant scientific information on the evolution and ways of life of modern humans and other animals over the Heritage List as a Cultural Property in 1999. The many caves in the Sterkfontein Valley have produced namely the fossil hominid sites of Sterkfontein, Swartkrans, Kromdraai and environs in Gauteng and the North West Province. These sites, also known collectively as the Cradle of Humankind, were inscribed on the World constituting a vast reserve of scientific information, the potential of which is enormous past 3.5 million years. Accordingly, this group of sites throws light on our earliest human ancestors As illustration one may contrast this site with another, better known collection of Early Stone Age artefacts

appreciate the scientific value of our early sites. However, although school history textbooks have been that our rainbow nation has a history that is far older than they realised. Furthermore, researchers worldwide revised over the past decade to include this information, many educators find it a difficult subject to teach The declaration of the Cradle of Humankind as a World Heritage Site has made many South Africans realise

We believe that the value of the Msukeni Early Stone Age site lies in its potential to serve as a valuable teaching aid – tangible evidence of a time when people had no language or way of life as we know it, yet were the ancestors of all of us

site. Such collection could be part of an inception ceremony that serves to obtain wider recognition for the Accordingly, we recommend that we (or another archaeologist approved by SAHRA) apply for a permit from SAHRA to collect a representative sample of artefacts at the time of earthmoving when construction starts on the express intention of responsible use for local educational purposes project. The District Municipality or any other organisation approved by SAHRA could curate the artefacts with

Once artefact collection is complete, the project may continue as envisaged

Summary of findings in terms of the Heritage Resources Management Act 1999 Section 38(3)

(B) the identification and mapping of all heritage resources in the area affected

The requisite documentation has been completed and submitted to SAHRA's Eastern Cape office, as well as to the Archaeology Department of the Albany Museum in Grahamstown as the regional data-recording centre.

9 an assessment of the significance of such resources in terms of the heritage assessment criteria set out in regulations

The archaeological site has low cultural heritage significance.

0 an assessment of the impact of development on such heritage resources

site will be damaged or altered significantly by the proposed development

(b) an evaluation of the impact of the development on heritage resources relative to the sustainable social and economic benefits to be derived from the development

social and economic benefits outweigh the impacts of the development on the site

(e) the results of consultation with communities affected by the proposed development and other interested parties regarding the impact of the development on heritage resources

The client has undertaken such consultation as part of mandatory scoping requirements and retains the relevant

3 alternatives if heritage resources will be adversely affected by the proposed development, the consideration of

A representative sample of artefacts should be collected from the site at the time of earthmoving, with the necessary permit from SAHRA.

plans for mitigation of any adverse effects during and after completion of the proposed development

No further mitigation will be necessary once the site has been sampled

Conclusion

Heritage Resources Management Act 1999. According to Section 38(4) of the Act. We have submitted this report to SAHRA's Eastern Cape office in fulfilment of the requirements of the

consultation with the person proposing the development, decide The report must be considered timeously by the responsible heritage resources authority which must, after

- (a) whether or not the development may proceed;
- (b) any limitations or conditions to be applied to the development;
- applied, to such heritage resources (c) what general protections in terms of this Act apply, and what formal protections may be
- destroyed as a result of the development; and (d) whether compensatory action is required in respect of any heritage resources damaged or
- (e) whether the appointment of specialists is required as a condition of approval of the

The client may contact Mr Lungile, telephone 046 622 4615 in due course to enquire about SAHRA's decision.

requires that a developer cease all work immediately and notify SAHRA should any cultural heritage However, if permission is granted for development to proceed, the client is reminded that the Act remains, as defined in the Act, be discovered during the course of development activities.

References

earliest times to 1910. A new history pp. 1-27. Pietermaritzburg: University of Natal Press and Shuter and Shooter Mazel, A. 1989. The Stone Age peoples of Natal. In Duminy. A. and Guest, B. (eds) Natal and Zululand from

APPENDIX

SIGNIFICANCE AND VALUE OF HERITAGE RESOURCE SITES

development activities, as well as when recommending mitigatory action. Southern African Iron Age, below) when considering intrinsic site significance and significance relative to Resources Agency in 2003. We use them in conjunction with tables of our own formulation (see that for the The following guidelines for determining site significance were developed by the South African Heritage

Type of Resource

Geological Feature Palaeontological Site Structure Archaeological Site

Type of Significance

Historical Value

It is important in the community, or pattern of history

- occupation and evolution of the nation, Province, region or locality. Importance in the evolution of cultural landscapes and settlement patterns
 Importance in exhibiting density, richness or diversity of cultural features illustrating the human
- in the human occupation and evolution of the nation, Province, region or community. Importance for association with events, developments or cultural phases that have had a significant role
- achievement in a particular period Importance as an example for technical, creative, design or artistic excellence, innovation o

importance in history It has strong or special association with the life or work of a person, group or organisation of

have been significant within the history of the nation, Province, region or community, Importance for close associations with individuals, groups or organisations whose life, works or activities

It has significance relating to the history of slavery

Importance for a direct link to the history of slavery in South Africa

Aesthetic Value

cultural group It is important in exhibiting particular aesthetic characteristics valued by a community or

- community. Importance to a community for aesthetic characteristics held in high esteem or otherwise valued by the
- Importance for its creative, design or artistic excellence, innovation or achievement
- or having impact on important vistas or otherwise contributing to the identified aesthetic qualities of the cultural environs or the natural landscape within which it is located.

 In the case of an historic precinct, importance for the aesthetic character created by the individual Importance for its contribution to the aesthetic values of the setting demonstrated by a landmark quality
- components which collectively form a significant streetscape, townscape or cultural environment

Scientific Value

It has potential to yield information that will contribute to an understanding of natural or cultura

- of its use as a research site, teaching site, type locality, reference or benchmark site Importance for information contributing to a wider understanding of natural or cultural history by virtue
- development of the earth. Importance for information contributing to a wider understanding of the origin of the universe or of the
- Importance for information contributing to a wider understanding of the origin of life; the development of plant or animal species, or the biological or cultural development of hominid or human species. Importance for its potential to yield information contributing to a wider understanding of the history of
- human occupation of the nation, Province, region or locality.

It is important in demonstrating a high degree of creative or technical achievement at a particula

- Importance for its technical innovation or achievement.
- Social Value

It has strong or special association with a particular community or cultural group for cultural or spiritual reasons social,

- religious, spiritual, symbolic, aesthetic or educational associations. Importance as a place highly valued by a community or cultural group for reasons of social, cultural,
- Importance in contributing to a community's sense of place.

Degrees of Significance Rarity

It possesses uncommon, rare or endangered aspects of natural or cultural heritage

Importance for rare, endangered or uncommon structures, landscapes or phenomena.

Representivity

cultural places or objects It is important in demonstrating the principal characteristics of a particular class of natural or

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,

					What other similar sites may be compared to this site?	Sphere of Significance International National Provincial Regional Local Specific Community
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Southern African Iron Age

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	Significance		AND CONTRACTOR AND CO
	- OX	- medium	T.
Unique or type site			Yes
	обратисти по постана по	тори полотивности в том удолици долични штогори высколение пология пология доличной выдальной выполнения пология.	
Formal protection			Yes
Spatial patterning	?Yes	?Yes	Yes
	The state of the s	AND	The property of the property o
Degree of disturbance	75 – 100%	25 – 74%	0 – 24%
	1	İ	
Organic remains (list types)	0-5/m²	6 - 10 / m ²	3 + 3
Inorganic remains (list types))))) () ()	D S B2	1 + 1 32
Ancestral graves			Present
	от при	он <mark>д</mark> ни техничний должний д	
Horizontal extent of site	< 100m²	101 - 1000m²	1000 + m ²
		то досто по поста по	The control of the co
Depth of deposit	< 20cm	21 - 50cm	51 + cm
Spiritual association	Tris are determined as a second control of the cont	undig entre des international entre (consequent consequent monopolitic monopol	Yes
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Oral history association		A CONTRACTOR CONTRACTO	Yes
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Please note that this table is a tool to be used by qualified cultural heritage managers who are also experienced site assessors.