



AFRICAN HERITAGE CONSULTANTS CC

2001/077745/23

DR. UDO S KÜSEL

Tel/fax: (012) 567 6046

Cell: 082 498 0673

E-mail: udo.heritage@absamail.co.za

P.O. Box 652

Magalieskruin

0150

30 November 2007

CULTURAL HERITAGE RESOURCES IMPACT ASSESSMENT OF NEW VENTELATION SHAFT FOR KHUTALA COLLIERY ON THE FARM SMITHFIELD 44 IS MPUMALANGA

1. DEFINITION

The broad generic term *Cultural Heritage Resources* refers to any physical and spiritual property associated with past and present human use or occupation of the environment, cultural activities and history. The term includes sites, structures, places, natural features and material of palaeontological, archaeological, historical, aesthetic, scientific, architectural, religious, symbolic or traditional importance to specific individuals or groups, traditional systems of cultural practice, belief or social interaction.

2. PROTECTED SITES IN TERMS OF THE NATIONAL HERITAGE RESOURCES ACT, ACT NO. 25 OF 1999

The following are the most important sites and objects protected by the National Heritage Act:

- a. Structures or parts of structures older than 60 years.
- b. Archaeological sites and objects.
- c. Palaeontological sites.
- d. Meteorites.
- e. Ship wrecks.

- f. Burial grounds.
- g. Graves of victims of conflict.
- h. Public monuments and memorials.
- i. Structures, places and objects protected through the publication of notices in the Gazette and Provincial Gazette.
- j. Any other places or object, which are considered to be of interest or of historical or cultural significance.
- k. Geological sites of scientific or cultural importance.
- l. Sites of significance relating to the history of slavery in South Africa.
- m. Objects to which oral traditions are attached.
- n. Sites of cultural significance or other value to a community or pattern of South African history.

3. METHODOLOGY

All relevant maps and documents on the site were studied. The site was visited and visually inspected.

4. RESULTS

The area is typical highveld grassland of which the largest portions are maize fields, which have been ploughed for many years. This would have destroyed any possible heritage sites.

At S24° 07' 21.6 & E28° 33' 27.1 are modern mine ventilation shafts. At S26° 10' 07.6" & E29° 02' 47.9" as well as at S26° 10' 10.8" & E29° 02' 49.4" are ground water monitoring boreholes. At S26° 10' 27.0" & E29° 02' 53.0" is a borehole electrical box and closed emergency escape shafts. All these identified structures are modern.

No important cultural heritage resources or graves are near the proposed new site for the ventilation shafts.

5. CONCLUSION

There are no important cultural heritage resources or graves near the proposed development site.

6. RECOMMENDATIONS

There is no objection to the construction of the new ventilation shafts for the mine from a cultural heritage resources point of view.

Should any cultural heritage resources or graves be found during construction all work has to be stopped till the site has been inspected and mitigated by a cultural heritage resources practitioner.

7. SITE INFORMATION

Owners contact details: Anglo Operations Limited Care of Adri Joubert Khutala Colliery PO Box 440 Ogies 2230 Tel: 013 648 5000 Fax: 013 648 1423 Email: adri.joubert@bhpbilliton.com
Developers contact details: Adri Joubert Khutala Colliery PO Box 440 Ogies 2230 Tel: 013 648 5000 Fax: 013 648 1423 Email: adri.joubert@bhpbilliton.com
Consultants contact details: Johan Goosen African EPA PO Box 13776 Hatfield 0028 Tel 012 366 0100 Email: jg@aepa.co.za
Type of development (e.g. low cost housing project, mining etc.) Ventilation Shafts for underground mining
Whether rezoning and/or subdivision of land is involved: No – land will remain agriculture with mining rights
Full location of Province, Magisterial District/Local Authority, property (e.g. farm, erf name and number: Mpumalanga Nkangala District Municipality Emalahleni Local Municipality Farm Smithfield 44 IS

Location map must have the polygon of the area to be surveyed on it and full geographical coordinates for all relevant points and where applicable indication of the area to be developed (footprint):

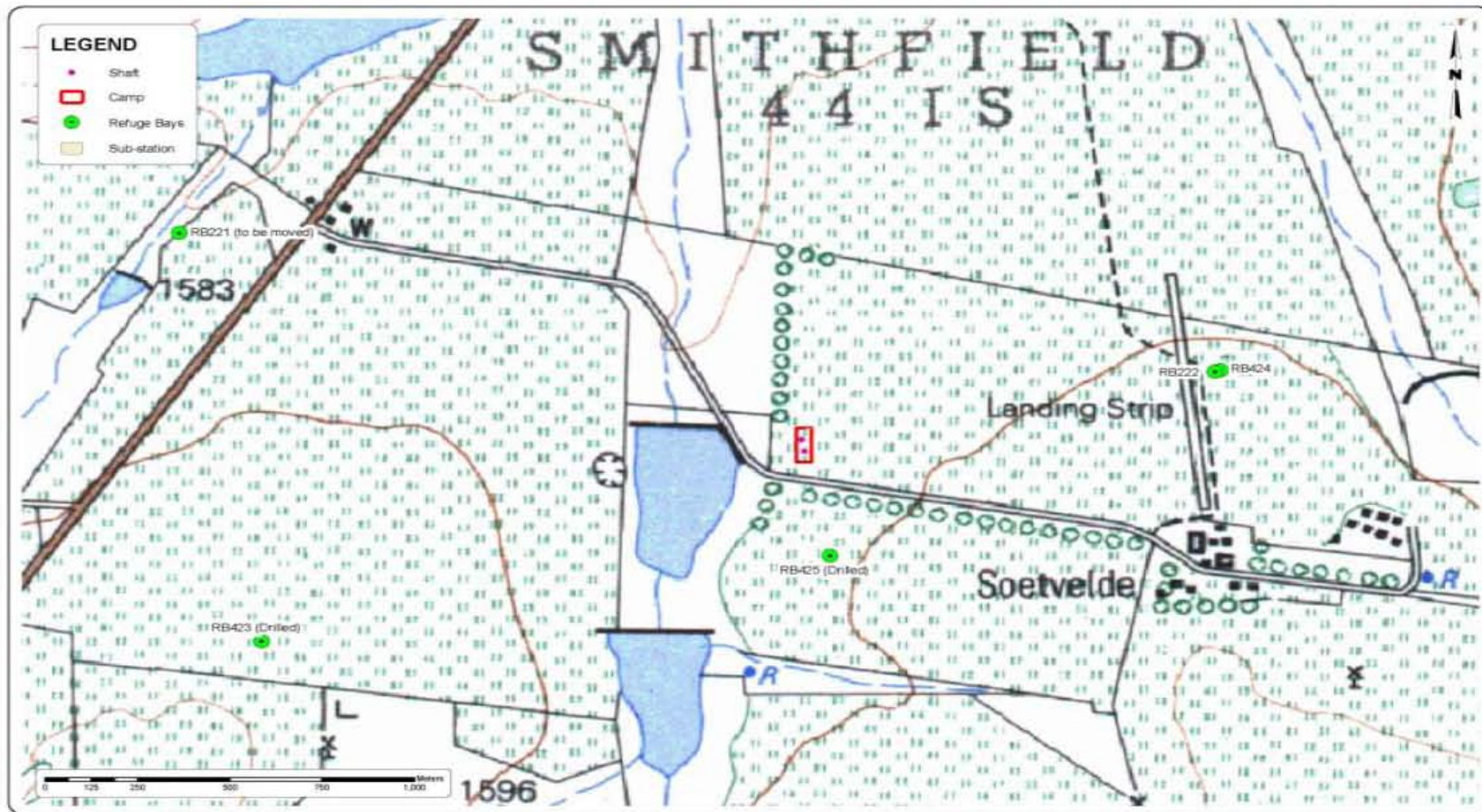
Attached

8. REFERENCES

- Archaeological database of the National Cultural History Museum Pretoria
- 1/50 000 Map 2629 AA

9. MAP

Map attached see page 5



KHUTALA SMITHFIELD
SCALE 1:10,000

Monday, November 12, 2007
 H:\A0595 - Khutala Smithfield 2\Design\GIS\2007_11_12_Locality.mxd

Source: DACE Polides - 1:50 000 Topocadastral Map WGS84/259AA

LOCALITY MAP

Proposed development site see red square