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**Date: 2005-06-29**

**Our Ref: 2923BB 2005.002**

**DME Ref: NC 30/5/11/2049 PR**

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**Cultural Heritage Site Inspection Report for the purpose of a Prospecting Right EMP –  
(PORTION OF) DE KALK 37,  
HERBERT DISTRICT, NORTHERN CAPE, SOUTH AFRICA**

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The McGregor Museum CRM Unit was contracted to conduct a cultural heritage site inspection by the developer, Diamond Core Resources, in order to comply with prospecting right environmental management requirements as set out in the Mineral and Petroleum Resources Development Act (No 28 of 2002), the particulars of which are described in the National Environmental Management Act (No 107 of 1998) and the National Heritage Resources Act (No 25 of 1999).

**1) PROPERTY DESCRIPTION**  
(Portion of) De Kalk 37, Herbert District, Northern Cape, South Africa (1:50,000 map reference: 2923BB Douglas; 2923BC Pampoenpan and 2923BD Torquay).

**2) DEVELOPMENT & IMPACT**  
Proposed prospecting will be limited to a portion (3 x 1.5 km; 450 ha) of the farm De Kalk 37, bordering the western bank of the Orange River. Prospecting will involve coring with the aim to identify and define the future mining locality.

Development will involve coring (directly impacting on an area <30 x 30 cm) at initial intervals of approximately 100 x 100 m. Secondary coring intervals will decrease, subject to core / soil analysis. One pick-up (bakkie) and a compressor (with trailer) will be used to conduct prospecting / coring.

**3) THE CULTURAL HERITAGE SITE INSPECTION**  
The site was visited on 2005-06-21, in the company of Mr. Martin Swanepoel (Diamond Core Resources). The site inspection included an assessment of:

- i. The access road to the proposed prospecting area;
- ii. Selected existing roads within the prospecting area;
- iii. Cultural heritage site (National Monuments Council) within in the prospecting area known to the developer; and
- iv. Selected section of un-rehabilitated former mining area situated within the prospecting area (including dump site and open section areas).

Two areas relating to our cultural heritage as defined in the NHRA (1999) were identified during the assessment:

- i. Locality S 29°16'47.7", E 23°46'12.8"
- The locality is characterised by a National Monuments Council marker and plague heralding the 1866 discovery of diamonds, specifically referring to the discovery of the 'Eureka' diamond on the farm De Kalk 37.

The National Monuments Council marker is erected on the location of a Middle Stone Age (MSA) site (approximately 64+ m<sup>2</sup>). Artefacts are extremely eroded. It further appears as though the site is limited to the surface, with little / no subsurface deposit. (The calcareous substrate is visible in certain areas on the surface.) The site is of medium to low cultural significance.

- ii. Locality S 29°15'26.5", E 23°46'02.8"
- The locality indicates the approximate centre of a large formerly mined and un-rehabilitated area. Mine dumps and existing open sections were inspected. A few Middle and Later Stone Age (MSA and LSA) artefacts were identified on dump and disturbed surface locations. Inspection of open sections indicated that no clear cultural horizon was present. Identified artefacts are interpreted as representing low density subsurface scatters. The area therefore does not comprise a 'site' as defined in the NHRA (1999) and is of low cultural significance.

#### 4) CONCLUSION

Prospecting activities should be avoided / limited to the absolute minimum within the area of the National Monuments Council marker and plague and identified MSA site (S 29°16'47.7", E 23°46'12.8"), possible within the proposed coring grid system of 100 x 100 m intervals.

Prospecting activities on the remainder of the area will not impact on our cultural heritage as defined in the NHRA (1999).

#### 5) RECOMMENDATIONS

I would recommend that prospecting proceeds as applied for.

#### 6) DEVELOPER COMPLIANCE FOR THE PURPOSE OF AN EMP

- i. Prospecting activities should be avoided / limited to the absolute minimum within the area of the National Monuments Council marker and plague and identified MSA site (S 29°16'47.7", E 23°46'12.8").
- ii. The developer should within 6 months after approval of proposed prospecting by the South African Heritage Resources Agency (SAHRA) / the issue of a prospecting right by the Department of Minerals and Energy (DME):
  - o Submit a cultural resources management impact assessment report on the identified mining area to SAHRA. The cultural resources management impact assessment should be done by an ASAPA (Association of South African Professional Archaeologists) accredited CRM (Cultural Resources Management) archaeologist. SAHRA recommendations on the report should be submitted to DME in order to ensure developer compliance with EMP requirements as per the M&PRDA (2002); or
  - o Submit a report to SAHRA and DME indicating that the developer will not proceed with mining in the prospecting area; or
  - o Submit a prospecting progress report to SAHRA and DME.

- iii. (The developer should ensure that all necessary information is communicated in due time to the McGregor Museum CRM Unit in order to avoid a non-compliance notification from the McGregor Museum CRM Unit to SAHRA and DME.)

**7) ACKNOWLEDGEMENTS**

I would like to thank Mr. Martin Swanepoel (Diamond Core Resources) for accompanying me to the site and for supplying prospecting and on site information.

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ASAPA CRM accreditation: Field Director