# Proposed mining areas and properties at Ulco, Northern Cape including the vicinities of Gorrokop and Groot Kloof. Archaeological impact assessment

Field survey undertaken for Alpha Limited.

David Morris McGregor Museum P.O. Box 316 Kimberley 8300

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#### Introduction

scoping survey on the mining areas of Alpha Ltd, Ulco, for purposes of an up-dated EMPR The McGregor Museum Archaeology Department was called upon to undertake

The property was visited on 14 August 1999. Observations made are summarised

# Regional archaeological background

many small to medium-sized shelters containing stone age material and simple finger paintings. Several have been excavated (Humphreys & Thackeray 1983; Beaumont & extending from a point south of Griquatown to the vicinity of Vryburg. These include and shelters and palaeoenvironmental sampling points at Gorrokop (Beaumont & Vogel finger paintings and artefact scatters at Groot Kloof (Fock 1969; Fock & Fock 1989), the edge of the plateau. Known sites in the vicinity of Ulco itself include the shelters with importance in palaeoenvironmental research, and recent stone-walled settlements on africanus at Taung, while other sites at that locale include Equus Cave, which is of Morris 1990). Numerous archaeological sites are known from the edge of the A site of international significance is the type site of Australopithecus Ghaap Plateau,

quite incorrect. That report also suggests (section 5.2.14) that this is a "non-tourist (1992) refers very briefly to observations on archaeology and palaeontology by V. Matter, the report by Jones (1995) states (section 5.2.12) that "no sites of archaeological or historical interest have been recorded in this area". This statement is While an Environmental Management Programme Report for Ulco Operation by Schie

in the area and their significance in relation to research, mining operations and their This report summarises existing information on the distribution of archaeological sites fourism potential

# Observations at Ulco

present mine at Ulco itself. Mr W. Koekemoer kindly drove me to various parts of the mining area, beginning at Groot Rietfontein and the vicinity of Gorrokop. We then proceeded to Groot Kloof (on portion of Klein Rietfontein known as Lime 1). Finally we examined areas above the

#### Gorrokop

general vicinity of two springs at the crest of the escarpment. provide "an exceptional palaeoenvironmental record for the late Neogene in South dated by way of radiocarbon. Beaumont and Vogel state that tufas such as these tufa sequences at Gorrokop reflecting that last major tufa growth episode have been mound that was sampled in order to date the last major episode of tufa accretion. Later Stone Age and Middle Stone Age material was found on the surface in the technique Africa." They propose that older tufa accretions could be dated by means of the U-Tr 1993) report Ceramic LSA material at the top of a sediment sequence at a spring Beaumont and Voge

The shelters that form in such settings were also strong draw-cards for people in the past and it is likely that occupation sites will be found within the secondary lime deposits were the foot-holds of San inhabitants for collecting honey from otherwise inaccessible Fock (1969) recorded seeing sticks wedged into cracks in Groot Kloof which probably differentiated ecological zones, and, as noted by early travellers in the area, honey Gorrokop. The escarpment offered a range of resources including ample water

important fossil remains may be preserved. sediments occur that are similar in age and to those at Taung, it is conceivable that

Hyrax middens were noted by L. Scott (pers comm) which could yield high resolution palaeoenvironmental data by way of pollen trapped in the stratified layers of such middens

and at Taung (Hocking nd). Underground cavities with spectacular stalactites have been uncovered both at Ulco

of interest as heritage, while, close to the spring in question there is the grave of one Adam Jonkers, with a date of (?)1894. Attempts are being made via the South African From the more recent past, a water furrow leading from one of the Gorrokop springs is Genealogical Society to establish the identity of this individual

#### **Groot Kloof**

vicinity of the hut built by Lu Matter, who was manager at Ulco for a quarter of a century from 1950 Stone artefacts were found in fair profusion of the slopes of the escarpment in the

On the southern side of the kloof - which is conserved by the mine as a nature reserve three localities contain finger paintings of exceptional quality. These paintings were,

Fock believed, "the best preserved in the area" (1969:121). They certainly are also amongst the most elaborate of their kind along the Ghaap Escarpment. They were first recorded by J.A. Swan, renowned amateur archaeologist, paper by J.H. Power of the McGregor Museum in 1949. A.R. Willcox described them in 1965; and they were analysed in greater detail by Fock (1969; Fock & Fock 1989). and were mentioned in

given in existing descriptions in red, maroon, white, black and shades of blue (possibly faded black) are recorded wall. At the northern end a block protrudes which has "a multitude of paintings". Thirdly, high above the stream, there is a cave measuring 6 m long and 5 m deep, with The first shelter is a shallow overhang about 3 m long with several finger paintings. The second is a cave up to 8 m deep and 30 m long with paintings along nearly the whole from these sites. They deserve to be examined and analysed in closer detail than is numerous paintings, well sheltered, and the colours, in consequence, fresh. Paintings

observations are consistent with those at other sites with finger paintings along the "Smithfield type" including end-scrapers on the talus outside the shelters. These Willcox describes finding Ghaap Escarpment (Humphreys & Thackeray 1983). fragments of ostrich eggshell and stone artefacts

In this kloof there are multiple tufa accretions to which comments made in relation to Gorrokop are applicable

of folklore relating to the last San inhabitants of the Ghaap Escarpment baboons on a krantz, probably at or near Ulco. This is in all likelihood a rare fragment Ou Coba, who worked for the Paton family on a nearby farm. Reference is made to a final remark here, in relation to the baboons that live at Groot Kloof, there is a story Paton, appendix 1) about baboons, which was told originally by an old San woman,

# Present Ulco mining operation

traces of archaeological material. Only extremely rare flaked stone pieces were found mining. It is not known if any sites existed there Much of the original tufa and escarpment edge was destroyed in earlier phases of Surface areas adjacent to and up-slope from the existing quarries were inspected for

#### Likely impacts

primary limestone behind the existing quarries at Ulco. Virtually no surface indications of archaeological remains were found there, so that mining is not expected to impact Mining operations in the foreseeable future are to be focused on cutting back into the negatively on archaeological resources at this stage

## Recommendations

#### 1. Mining

in the areas as indicated to the investigator. From an archaeological perspective, there is no reason why mining should not proceed

recommended that a more detailed archaeological impact study should be carried out. Should mining be expanded to approach Groot Kloof or Gorrokop, however,

# 2. Environmental Management Programme Report

Management Programme need to be revised to reflect the findings of this brief survey Sections dealing ¥ith archaeological and cultural sites ⋽' 70 Environmenta

## 3. Information Centre

or information centre for guests of the mine. It is suggested that the Groot Kloof reserve Mr Koekemoer further requested suggestions regarding the siting of a possible display Matter's philosophy when the area was set aside many years ago). construction within the reserve should be kept to a minimum (this was clearly Lu locality for an information centre would be at or near the entrance to the reserve. Any lends itself to this purpose, the kloof itself being a veritable open air museum. A suitable

displays would be entirely relevant as background to the mining operations mine subsists - insofar as secondary lime deposits are concerned - so that such history of environments relates directly to the formation of the resource on which the Displays should cover inter alia the archaeological and palaeoenvironmental pasts.

It might be feasible for the mine to negotiate limited or specialised tourist access via the adjacent farm to utilise this cultural and natural treasure

It is indeed recommended that in terms of the EMPR the kloof might be considered tourism a "sensitive landscape", with "scenic views" and that it has potential in terms Ö

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