10. 90.20

12/032/4000

#### **VICINITY OF A QUARTZITE QUARRY ON PORTION 4** ARCHAEOLOGICAL IMPACT ASSESSMENT AT AND IN THE **FARM DROOGEHOUT 442 NEAR UPINGTON** 9 턽扁

Compiled by:

Peter B. Beaumont (B.Sc., M.A. [Archaeology])

c/o Archaeology Department

McGregor Museum PO Box 316 KIMBERLEY

Environmental Consultants 8 Conrad Street New Park KIMBERLEY

**元次のJMPA次cc** On behalf of:

8301 R.S.A

Tel./Fax: 053-832-7510 Cell: 083-262-3683 E-mail: ekoimpak@intekom.co.za

R.S.A.

Tel.: 053-842-0986(H)/053-839-2700 Fax: 053-842-1433 E-mail: se@museumsnc.co.za

**EXOLATOX** 

MR2005-02/EIA

Page 1 of 4

#### 1. INTRODUCTION

is the nearest source of crushed stone for infrastructural development in the Upington vicinity quartzite that overlies the regional granite and gneisses, and is of economic interest in that it in places by low linear dunes. found on the northern side of an isolated flat-topped hill surrounded by plains that are covered poses under a mining right application submitted to the Department of Minerals and Energy (Kimberley) by Idada Trading 5 (Pty) Ltd. An existing stone-quarry and crushing plant were Route between Upington and the Namibian border at Nakop. This survey was undertaken on Eko Impak contracted me to undertake an archaeological survey of a section of Portion 4 of the farm Droogehout 442, some 30km northwest of Upington and  $\pm 1$ km south of the N10 October 22, 2005. The area surveyed has been identified for stone mining for crushing pur-This mesa is made up of an isolated remnant of subhorizontal

### 2. THE QUARRY AREA

crushing, thereby leaving little in the way of undisturbed deposits Sections show that protracted weathering along bedding planes has broken the upper ±3m of the quartzites into a rubble, which has been ripped over a ca. 5ha area before removal for

# 3. THE MINERAL RIGHTS AREA

facts ascribable to the ESA was present everywhere, but viable densities were confined to the southern side of the hill, some 1 km due south of the quarry (FIGURE. 1). In that area we found two typical Victoria West 2 cores (PHOTO 1), a few giant flakes (±20cm long and wide) which, on the crest of the hill, is mainly flat terrain covered by quartzite rubble, or, in places, a formal tools, like hand axes and one giant core (±25cm across), plus other flakes and cores of more usual size, but no thin coating of red aeolian sand. Some hours were spent driving slowly or walking over Portion 4 of the farm Droogehout 442, A sparse scatter of fresh, moderately abraded quartzite arte-

straight line from Droogehout. Of interest was the presence of at least one piece of red jasper, the nearest occurrence of which, to my knowledge, is in the hills east of Postmasburg which lies about 250km away in a included a fair number of fresh irregular flakes and small radically prepared cores (PHOTO 3) As the sun was setting I also inspected a small pan on the plain, approximately 250m west of the road to the quarry (FIGURE 1; PHOTO 2), where a  $\pm 30$ m wide scatter of rock fragments

#### 4. CONCLUSIONS

- <u>(a)</u> done with an archaeologist present, to ensure that the site is not damaged The open Late Acheulean? site on the pan, associated with unutilized red jasper, should not be disturbed, and, if any further drilling for water is undertaken there, this should be
- **(b)** tion of South Africa, at a time here tentatively set at 0.9 million years (myr) ago. Occursource during the Victoria West phase of the Middle Acheulean of the central-west por-The hillcrest artefacts represent lower intensity workshop activities at this quartzite ing a viable sample of this unique ESA material. that any extension of the current quarry should be mitigated by work directed at recoverrences of this primal Levallois manifestation are rare and it is therefore recommended
- <u>O</u> and the ongoing utilization of the quartzite there will have no impact on the archaeological resources of the Northern Cape. As regards the present quarry area, this is highly disturbed with no heritage potential

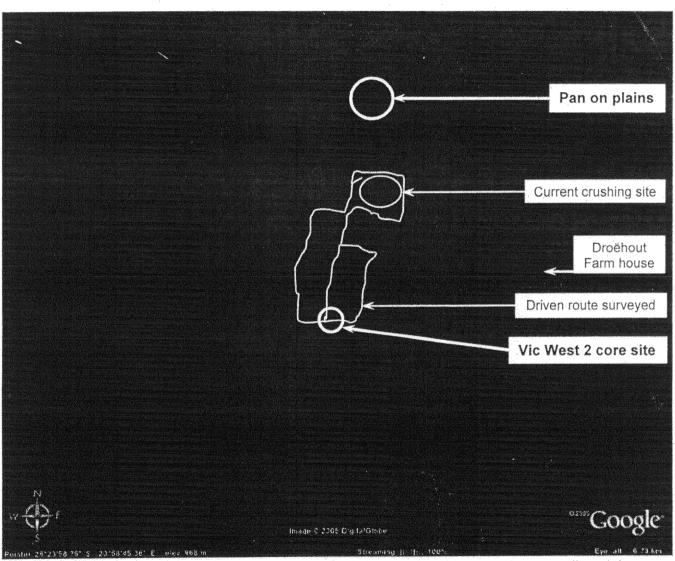
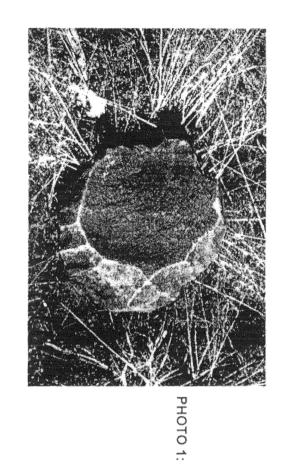


FIGURE 1: Satellite image indicating the archaeological sites on the plateau and surrounding plains on the section of Portion 4 of the farm Droogehout 442 surveyed.



TO 1: Typical Victoria West core found on Portion 4 of the farm Droogehout 442, ±1km south of quarry and crusher plant.



PHOTO 2: Small pan on the plain, ±250m west of the road to the quarry

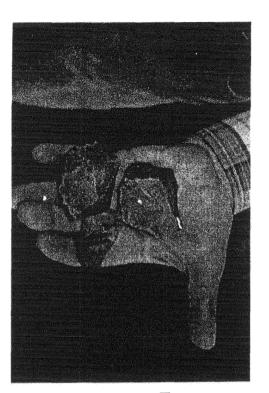


PHOTO 3: Fresh irregular flakes and small radically prepared cores found in the small pan illustated in PHOTO 2. Note the piece of red jasper.



# MINING RIGHT APPLICATION

# ENVIRONMENTAL IMPACT ASSESSMENT

# **ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT**

## DROOGEHOUT 442, UPINGTON, NORTHERN CAPE PROPOSED MINING OF AGGREGATE FOR CRUSHING PURPOSES ON THE FARM

**CLIENT: IDADA TRADING 5 (PTY) LTD** 

DME FILE REFERENCE: 30/5/1/1/2/060MR

**JANUARY 2006** 

C Benade

8 Conrad Street New Park KIMBERLEY 8301 R.S.A.

Tel./Fax: (053) 832-7510 Cell.: 083-262-3683

Cell.: 083-262-3683
E-mall: ekoimpak@intekom.co.za