Specialist Assessment

An Archaeological Impact Assessment at Dikpens, Konnes, Calvinia District

David Morris McGregor Museum September 1996

REPORT ON AN ARCHAEOLOGICAL IMPACT ASSESSMENT AT DIKPENS, KONNES, CALVINIA DISTRICT

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APPENDIX 1: COMMENT TO THE NATIONAL MONUMENTS COUNCIL (NORTHERN CAPE) ON ARCHAEOLOGICAL HERITAGE IN THE WATERKUIL AREA, CALVINIA, NORTHERN CAPE. (July 1996: recommendation for Phase 1 Survey).	ACKNOWLEDGEMENTS & REFERENCES5	RECOMMENDATIONS	PHASE 1 SURVEY OBSERVATIONS 4	Archaeological and historical background 3	Background and outline of Phase 1 Survey 3	INTRODUCTION	EXECUTIVE SUMMARY
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EXECUTIVE SUMMARY

A Phase Dikpens Greported. Gypsum Project Archaeological at Konnes Impact Assessment Calvinia the proposed District, is

Background in heritage sites information es in the v. on regarding vicinity is g given. project and sod W ible

During the P were located. Phase | _ 2 Survey DO significant archaeologica fund W j....6 s rt 0 S

From an project archaeological proceeding as I planned. perspect ive there 3---20 S 0 objection ct Ö the

Copies Of this report have been sent C

- and Kimberley
- Gypsum Industries National Monuments (On file at McGregor Council, Cape Town Kimberley

INTRODUCTION

A Phase I ALLUMOTED Dikpens Gypsum Project The project is to enta Archaeological Project at Konnes, to entail mining of Impact t Assessment Calvinia Dis Assessment at alvinia District, gypsum deposits e the t, is east proposed reported. of Konnes

Background and outline of Phase 1 Survey

resources in the investigated. response 1996, wa preliminary se to Gypsum In was supplied to SPA comment on archaeological heritage Typsum Industries' Flamink proposal plied to the National Monuments Cosuggested that in view of known vicinity, areas 0 H proposed nts Council (Appendix known archaeological d quarrying should be in the dated area 20 June in

Phas 0 هسو Survey SPR recommended 7 0 include:

Stage 1: On-to determine On-site site inspection with possible impacts. the developer/planner **|---**# 0 Ы ct 0 H ω j...de ω

Stage 2: Foot sur ascertain presence survey on all part depth of cul parts of cultural the ar H rea H que Ø 7 0 7 0

Stage 3: resources, survey, s mitigation. significance Phase descriptions Survey of cultural assessment, report with and recomm maps, recommendation background found to during for

necessary,/or collection, or avarchaeological site/ Stage 4: National occur gation would gation is n 10 A copy of Monuments the property, the report Council for necessary and sary, the opt or avoidance 01 if they are of to be and options and the sent project are Pha are Phase 2 e. non-disturbance C C 10 C little archaeological sites tle significance, no ect may proceed developer N excavation e of the and

The Con National that woul would be Contract arc most archaeologist, ents Council to nost suitable. 4, conf the planner/developer er on the type of Ħ j... and tig ΩJ rthe

Archaeological and historical background

The geologist E.J. Dunn described with Xam San who still manufal 1870s, having also met with Xam San who still manufal flaked stone tools. At Klavervlei 30 km east of Waterku mentioned "the enormous quantities of broken egg-(ostrich)...[which]...create astonishment, and convey some idea of the numbers of Bushmen and the length of time the have lived in this neighbourhood" (Lewin-Robinson 1978:64). who still manuact of Waterkuil manufactured egg-shells they y must 0

Several sites were documented adjoining farm T'Boop in 1985 of the sites which included Ce Cerami P. and Beaumont ic and Ace sampled Aceramic on Klavervlei Morris) and tone Details the

Appendix 1. surface s associated scatters ostrich and eggshell ω Middle O Stone fossil Age as assemblage are given with j

other archaeological found SPA eological materials were likely to pans in the region. Later Stone Age on the nearby Flamink, at Waterkuil expected 011 the bas S Of Stone Age sites these exist previous on were the findings then margins indee tha hat of leed

along Smith early the Later Further east 1995); and at the important Spoegrivier cave site wit evidence of pastoralism near the west coast (Webley 1992). the Stone Age and st (eg. Deacon afield Orange River to 5); and at the and archaeological rock 1988; 8; Morris 1988; E the north (eg. 1 important Spoes engraving sites research Morris & Beaumont has D. focused the Uppe Upper 1 & Voge Beaumont Karoo mainly 199 (686) with

The were Penn (eg. ď protocolonial history of the regions becoming highly contested in a fann (eg. see Penn in Smith 1995). region, frontier when context, land and ontext, is 'n resources s detailed

PHASE 1 SURVEY OBSERVATIONS

examined the indicated the K Dur Colin our the Fortune visit to Waterkuil rtune of the National Mor property known as Dikpens. e areas of proposed quarryi the National Monuments Council), wknown as Dikpens. Mr Steve Salisbury quarrying. myself E Kind and Y

area the with ₹, The OS t ern end. surface. errain in question s aeolian sand capping the sand is shallow D question bank capping 0 f slopes and sand the in parts the dunes verges gypsum deposits. westwards verges towards its. Over I gypsum is s on the the Konnes much of ned exposed pan, the

proximity the Dikper metres.
has been any ind devoid accounted foci for I counts will isolated features the dune might The whi es. All ground disturbances, and areas where been eroded or blown off bedrock, were careful indications of sub-surface Dikpens area dunes, Ch 9 active O.f Were provide where for in terms of the lack of environmental human activity (relative to, say, the dune provide shelter from the wind - at Flamink, SER to a апу area ere archaeological small water-cours made, traversed OS fresh water significant that (and water-courses). less ess that ostrich aпy ter spring). beyond the on foot possible archaeological sites ρυ along single intended The dunes at the Only archaeological might trajectories environmental say, the dunes surface per a extremely The area have carefully mining sites. artefact been focused thousand squa superficial sa which materia area) appears This man features and hollows in close also in clos ¥0 L This examined artef appeared (most efact
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RECOMMENDATIONS

dur 0 significant cing our su survey archaeological vey of Dikpens remai S 0 14 ith (D ω tur O W MOL 0 70 Ø d O Ω

Tho No he Hot ea delineated, the needed: with projec пау regard go ahead Ç he ω Н cha 0 0 0 h

ACKNOWLEDGEMENTS

I would Mr Ben before Vincent vould and during our Phase van and like to Tonder and Tracey der and Mr a t the se 1 Survey. mine onnel for O f of Gypsum Salisbury, their hospi hospitality Industries, for assist word of ance during thanks to espec our to

REFERENCES

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Beaum Einic (ed) Cape Beaumont, Siniqua: umont, P.B., Smith, Piqua: the archaeology 1995. Einiqualand: e Town: UCT Press. A.B. of the studies 80 Vogel, J frontier of the C J.C. 19 er zone. Orange Q Z Z O River Smi Befor with, Γ the A.B. ier.

Deacon, J. engravings. 1988. World The The power of Archaeology plac 20:1 NO in under 29-140. S anding M out J 0 H S \Box

Lewin-Robinson, Magazine (New S Series 1870-1876). C Cape Town: articles from the curve Cape Socie :hly

Morris, D. 1988. Engraved in place and variability in the rock art of the Northern African Archaeological Bulletin 43:109-121. Cape and Q Karoo. So South Of

Morris, Flamink, Gypsum D. Waterkuil, Calv 1996. Report on Calvinia Dis the National an archaeological impact District. Unpublished nal Monuments Council. ass 9 essment port a t o

Morris, sites a African g Ct t Renosterkop, Archaeological U. Beaumont, , P.B. 1991. !Nawabdanas: archaeologica Kakamas District, Northern Cape. *Sout Bulletin* 46:115-124. gical South

Penn, N. 1 Smith, A.B Frontier. N. 199 Cape Town: UCT 95. The Orange (ed) 1995. E Press River Front iniqualand: studies 0,00 7 17 he \circ Orange 20 5 h. . Ver

Smith Š 0 A.B 0.ω De (ed) Town: 1995. UCT Einiqualand
Press. S erpn S 0 67% b 0 70 Ωι ge à <

Webley, I I. and 19 992. Early Southern & y evideno African idence for ican Field sheep from Archaeology Spoeg F 1:3-13 Riv H 0 Ve

APPENDIX 1

COMMENT ARCHAEOLOGICAL TO THE NATIONAL MONUMENTS COUNCIL HERITAGE NORTHERN CAPE. H THE WATERKUIL (NORTHERN AREA, CAPE CALVINIA,

archaeological sites of various periods. However, no been conducted in the Waterkuil area itself inspecting the locale it is difficult to estimate impacts of mining on heritage sites that may exist. haeological sites the Northern Cape are exceptionally of various periods. However, no the Waterkuil area itself e it is difficult to estimate no the and research has without specific

nearby F interest /Xam) in he he ome ζΩ 30 indication in the dication of what to expect may be gleaned: Klavervlei/T'Boop area, 30 km east of t is that the geologist E.J. Dunn met 'Bus n the vicinity in the 1870s, and described be gleaned from work km east of Waterkui east or ...
met `Bushmen' stone (proba H ably acts the Of

HO Boop in 1985 P were (P. E e documented Beaumont & D and Mor H dures O Ω 0 13 Kla Verv 0 an

Klavervlei:

Odpa ite 1A: A Later Stone Age will and bordering the we ieces, ostrich eggshell 6780. Stone Age Age surface so western side ll beads, but scatter on red e of the pan: t no pottery. the pan: pottery. LSA with backed Collection MMKA

Q Qite C not: S ampled In a (A) imilar setting . . Midd 0 Stone Ag 0 art \odot H ω Ω ctW 00

0000 lepression between ridges: LSA strich eggshell beads and pot sollection MMKA 06781. SA with blades sherds without 20 (1) scat blades, grass orange backe THO Ø C). sand in pieces, clusions.

Site over eggsl te 3: Site on upper margin of verlooking the east side of the gshell fragments and a few state. Collection MMKA 06782. stone unconsolidated orange pan. A large quantity one artefacts ascribal quantity of ascribable dune une sand ostrich

Site 4: Site in hollow near the south of the pan: Later segments or endscrapers, and Collection MMKA 06783. Stone with refined Age 0 orange with nge dune ridge borderin th backed pieces, but n grit-tempered ceramics Our Bur

" Boop:

the pan: a total collection over Middle Stone Age artefacts eggshell fragments (2 decoration eggs being used probably a decoration, at c 60 000 mall calcified dune a ection over 12 X 12 tefacts of jasperli decorated). This a years alcified dune at the northern end of over 12 X 12 m yielded 41 terminal s of jasperlite, and 536 ostrich rated). This association of ostrich an exceptionally early occurrence of as water flasks, and of their BP. Collection MMKA 06785.

RECOMMENDATION

Ideally ally the proposed gypsum mining area sho archaeological traces such as the above. should 90 inspected for

new The preservation of T'Boop fossil dune in with Middle Stone Ag possibilities. current dating research techniques ne is remarkable. Such can also a Age could prove to on the on e could prove highly significant in ter the origins of modern human behaviour, opening ďn in open settin important settings new in terms associat like sociation terms of our, with research the

the other. alia an one Stone hand, interface and sites between a μ ceramic noted in pre-pottery and foraging pres cf. pastoralist occupation the area appear to reflect presence 01 inter the 00

Episodes with past Ice Age' rainfall. past when much 0 f of higher periods of O f 0 archaeological environmental the Karoo appears . visibility wanted C† ty would correspond ion, eg. the Little have enjoyed higher

Any Commissioners the finds hs at Waterkuil would precolonial history Vley. pluow 0 f most of the for nothing region west westwards N. known ds of

David Morris 15 July 1996