ARCHAEOLOGICAL ASSESSMENT OF THE IMPACT OF REZONING

ON 0

PORTION A OF FARM 621 (CAIRNGORM) WORCESTER DISTRICT, WESTERN CAPE PROVINCE

for Mrs Louise Brodie 10 December 2002

Report prepared by:

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EXECUTIVE SUMMARY

annually since 2000 is about 60. This number is not expected to increase substantially. rock painting sites on the property, and possibly establishing a hiking trail and accommodation. At present the average number of tourists who have visited the site potential of the land by bringing small numbers of tourists to visit one of the three of the farm Cairngorm as a private nature reserve. She intends extending the tourism The owner of the property, Mrs Louise Brodie, has applied for rezoning of Portion A

adversely impacted by tourism on the scale and in the manner envisaged by Mrs There are three sites with rock paintings on the property. None of these will be

proposed management plan be implemented. It is therefore recommended that rezoning of the property be permitted and that the

ARCHAEOLOGICAL IMPACT ASSESSMENT

(Bushmen) in this region visitors will have on three rock art sites in a proposed private nature reserve. The rock paintings are typical of those done in pre-colonial times by the ancestors of the San The purpose of this assessment is to evaluate the impact that guided and unguided

LOCATION AND DESCRIPTION OF PROPERTY

purposes. The boundary of Portion A is outlined on the attached orthophoto at 1:5000 the owner, Mrs Louise Brodie, wishes to establish a private nature reserve for tourism application is for a small portion (13.4 ha) of non-agricultural land to be rezoned as side of the N1 near the village of Sandhills between Worcester and De Doorns. The The farm No. 621 (Cairngorm) in the Worcester District is located on the northern

of sandstone blocks of the Table Mountain Series. The natural vegetation is mountain Portion A extends across the foothills of the Hex River mountains that are composed fynbos and the property is surrounded by vineyards.

Brodie will also use part of the hiking trail. There will be both conducted and uncatering hikers. Visitors to the Ochre Trail rock art route that is conducted by Mrs conducted visits to Site 3. The intention is to set out a hiking trail and to build two small cottages for self-

DESCRIPTION OF ROCK ART SITES

There are three known sites with rock paintings on Portion A

Site

well preserved antelope and a paint 'palette'. the paintings are indistinct. The second panel, low down in a narrow crevice, has one rocky and there is no sign of precolonial habitation. The first panel is very faded and western entrance to the property at 33.30.62S 19.32.19E. Both face west. The floor is There are two small panels with rock paintings amongst the rocks near the south-

present a management problem. farm road, is being used as a sleeping place by vagrants and as an open toilet. Thus far these activities have not impacted negatively on the rock paintings, but they do Unfortunately the sandy ground in the approach to the site, a few metres from the

the tourist route The significance of the images is low to medium and the site will probably not be on

Site 2

terrain precludes the formation of a well-defined path. The paintings are on two that angles inwards and has prevented the accumulation of soil and deposit some shelter from a narrow overhang above them. The 'floor' is another rock surface almost horizontal rectangular blocks, one above the other, that face east and receive This site is about 50 m east of Site 1, near the top of the rock outcrop. The rocky

indeterminate genus on the upper left and a small but well-defined elephant and two lines radiating from its head damage to an intriguing image of what appears to be a seated human figure with red paintings are not clearly discernible. Natural flaking of the rock has caused some yellow felines or jackals under the upper block on the right, most of the There are about 14 individual paintings. Apart from a well defined red antelope of other

touching or rubbing by visitors There are no graffiti and the paintings are not vulnerable to dust or accidental

tourist route The significance of the site is rated as medium. It will probably not be on the regular

Site 3

littered with small rocks interspersed with bushes. No artefacts were noted and there has been some silica formation over paintings as a result. The floor is and get the full afternoon sun. Water runs down the rock face during and after rain long at 33.30.50S 19.32.38E. There is no shelter for the paintings that face northwards rock art site is about 50 m to the east on a high (+5 m) vertical rock face about 26 m leads to the crest of the hill where it is planned to erect two self-catering cottages. The Access from the farm road alongside the vineyard is via a steep but short 4x4 path that

clearly discernible. There is in addition at least one animal painted in yellow, two in along the top of the panel are at least 7 large animals, probably eland bodies from which the necks, heads and legs have faded. Partially superimposed on the lower part unidentifiable animals in red painted on a water stain. Finally on the western end is a scratched over the top of part of the panel many years ago. To the west are two of their bodies on the western side are 5 bichrome antelope of which only the legs are there are many superpositionings and the background rock has a natural red stain. could be part of the same set. The eastern half is less distinct than the western side as images that cannot be identified. The next two panels are close to each other and they are too faded for one to be certain. The next panel has a few traces of paint from with certainty. It could be an antelope leaning forward with its nose on the ground large human stick figure yellow/white and a finely striped zebra in white and red. The name MARIO was There are at least 6 unidentifiable animals and at least 3 human figures. To the east The clearest painting in the next panel to the west is a human figure with a tasselled eastern end is a small, clear image in deep red, but the subject cannot be ascertained There are 7 'panels' of paintings with a total of about 35 discernible images. At the There are three other associated paintings that could be on the same theme,

average once a month. There has been no apparent adverse impact. Since the opening of the Ochre Trail, small groups of people have visited the site on

route but there is no threat from dust. Vandalism has been minimised as all visitors accommodation that is planned nearby will have to be carefully monitored The significance of the site is rated as medium to high. It will be on the regular tourist at present accompanied by Mrs Brodie. The effect of visitors from the

MANAGEMENT ISSUES

and need to be addressed in the conservation management plan. The following issues were identified during the identification and assessment phases

- Littering
 Use of Site 1 by vagrants
- The inappropriate use of Site 1 as a toilet by farm workers
- Placement of self-catering accommodation in relation to Site 3
- Natural flaking of rock surface at sites 2 and 3
- Fire hazard from vegetation close to paintings at Sites 1 and 3
- Visitor numbers
- Site significance
- Mitigation of possible vandalism and graffiti in future

CONSERVATION MANAGEMENT PLAN

Portion A of Cairngorm is to retain their significance. The purpose of the conservation management plan for the three rock art sites on

The plan should be instituted once the property has been rezoned

SSOE	STRATEGY	NES.	HOW	BY WHOM
1. Littering	Collect and	Quarterly	Pick up litter on	Mrs Brodie
	dispose of		every visit or do	
	litter		a quarterly	
			clean-up. Bury	
			litter on site.	
2. Use of site 1	Make site less	Monitor every	Prune	Mrs Brodie
by vagrants	attractive for	month	vegetation to	
	sleeping		reduce privacy	
	-		and add rocks to	
		феровория (предоставления предоставления предоставления предоставления предоставления предоставления предоставл Предоставления предоставления пре	sandy areas to	
	* Hallower		cut down on	
			availability of	
			sleeping places	
3. Use of Site 1	Reduce	Monitor every	Prune	Mrs Brodie
as toilet by farm	privacy	month	vegetation to	
workers			reduce privacy	
			and add rocks to	
			sandy areas.	
		7700000000	Discuss	
			possibility of	
			installing a	
	A		portable toilet	
		-	near the	
			vineyard.	

Place notice in accommodation indicating do's and don'ts of rock art conservation. Report transgressions to SAHRA Warn visitors of Warn visitors of problem and make sure they do not touch surfaces Cut back bushes that touch the rock face or that could cause high heat during a veld fire Make a summary of data from visitors book on numbers per month and where visitors come from and submit annually to SAHRA Read relevant books, invite experts to share knowledge and regularly up-date information Report all cases to Mrs Brodie and SAHRA Mrs Brodie Mrs Brodie and SAHRA	Every month Every month of vis nu mc vis firo All visits All visits All visits Re exp kno reg inf Whenever necessary SA	and information for visitors Note, photograph and keep a written record of any	and/or graffiti
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otice in nodation ng do's n'ts of rock servation. essions to	·····	touching	flaking of rock
Place notice in accommodation indicating do's and don'ts of rock art conservation. Report transgressions to SAHRA	During every Wa	Avoid	5. Vatural
Place notice in accommodation indicating do's and don'ts of rock art conservation. Report	SA SA		
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Place notice in accommodation indicating do's and don'ts of rock	2		
Place notice in accommodation indicating do's	an an		
Place notice in accommodation		dation	
Place notice in	aco	accommo-	
	7	stay in the	
2	2	people who	
cottages and rock	col	Educate	
shrubs between	immediately shr	site	near Site 2
Suc		of the rock art	accommodation
***************************************	***************************************	within 50 m	self-catering
Place cottages Mrs Brodie	Discuss with Pla	Do not situate	4. Placement of
HOW BY WHOM	MEN	STRATEGY	ISSUE

RECOMMENDATIONS

It is recommended that:

- Rezoning as a private nature reserve be permitted The rock art sites be registered with SAHRA

- The rock art conservation management plan be implemented by Mrs Brodie Mrs Brodie reports annually to SAHRA with a summary of the records from her visitors book and on any incidents of vandalism or deterioration in the state of the rock paintings.

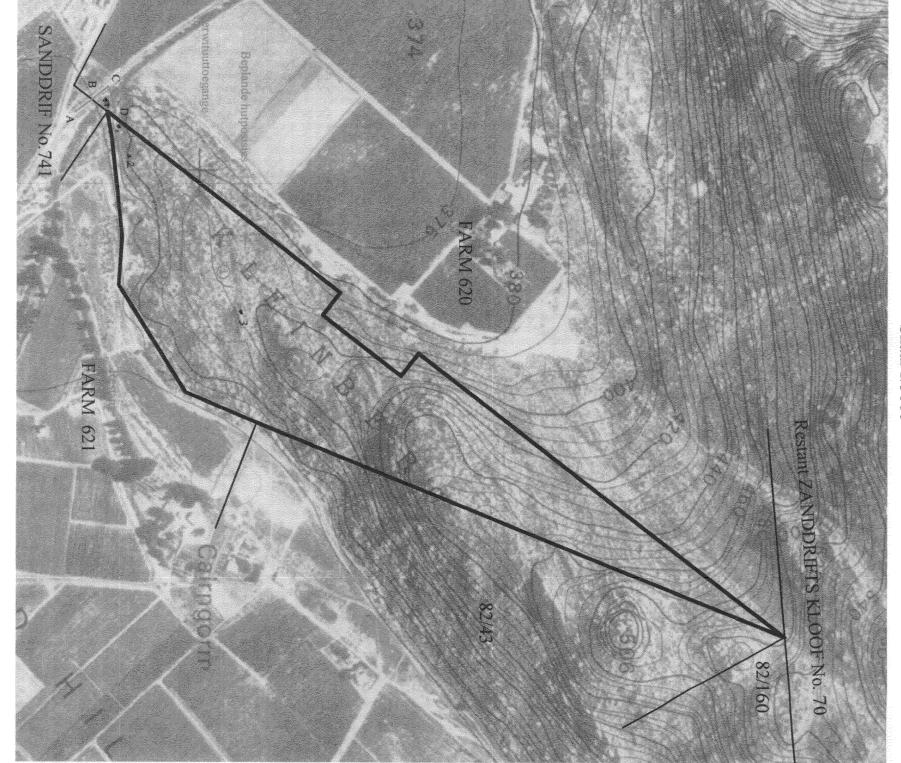
JITLEGPLAN

Voorgestelde Ontwikkeling op Gedeelte A van die PLAAS 621 (CAIRNGORM)

Distrik: Worcester Provinsie: Wes Kaap Skaal 1/5000







ARCHAEOLOGICAL IMPACT ASSESSMENT

paintings are typical of those done in pre-colonial times by the ancestors of the San (Bushmen) in this region. visitors will have on three rock art sites in a proposed private nature reserve. The rock The purpose of this assessment is to evaluate the impact that guided and unguided

LOCATION AND DESCRIPTION OF PROPERTY

purposes. The boundary of Portion A is outlined on the attached orthophoto at 1:5000 application is for a small portion (13.4 ha) of non-agricultural land to be rezoned as side of the N1 near the village of Sandhills between Worcester and De Doorns. The the owner, Mrs Louise Brodie, wishes to establish a private nature reserve for tourism The farm No. 621 (Cairngorm) in the Worcester District is located on the northern

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conducted visits to Site 3. Brodie will also use part of the hiking trail. There will be both conducted and uncatering hikers. The intention is to set out a hiking trail and to build two small cottages for self-Visitors to the Ochre Trail rock art route that is conducted by Mrs

DESCRIPTION OF ROCK ART SITES

There are three known sites with rock paintings on Portion A.

Site 1

the paintings are indistinct. The second panel, low down in a narrow crevice, has one rocky and there is no sign of precolonial habitation. The first panel is very faded and western entrance to the property at 33.30.62S 19.32.19E. Both face west. The floor is There are two small panels with rock paintings amongst the rocks near the southwell preserved antelope and a paint 'palette'

present a management problem. Unfortunately the sandy ground in the approach to the site, a few metres from the these activities have not impacted negatively on the rock paintings, but they do farm road, is being used as a sleeping place by vagrants and as an open toilet. Thus far

the tourist route The significance of the images is low to medium and the site will probably not be on

Site 2

almost horizontal rectangular blocks, one above the other, that face east and receive some shelter from a narrow overhang above them. The 'floor' is another rock surface terrain precludes the formation of a well-defined that angles inwards and has prevented the accumulation of soil and deposit. This site is about 50 m east of Site 1, near the top of the rock outcrop. The rocky path. The paintings are on two

lines radiating from its head damage to an intriguing image of what appears to be a seated human figure with red paintings are not clearly discernible. Natural flaking of the rock has caused some yellow felines or jackals under the upper block on the right, most of the other indeterminate genus on the upper left and a small but well-defined elephant and two There are about 14 individual paintings. Apart from a well defined red antelope of

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Since the opening of the Ochre Trail, small groups of people have visited the site on average once a month. There has been no apparent adverse impact.

accommodation that is planned nearby will have to be carefully monitored route but there is no threat from dust. Vandalism has been minimised as all visitors The significance of the site is rated as medium to high. It will be on the regular tourist at present accompanied by Mrs Brodie. The effect of visitors from

MANAGEMENT ISSUES

and need to be addressed in the conservation management plan. The following issues were identified during the identification and assessment phases

- Littering
- Use of Site 1 by vagrants
- The inappropriate use of Site 1 as a toilet by farm workers
- Placement of self-catering accommodation in relation to Site 3
- Natural flaking of rock surface at sites 2 and 3
- Fire hazard from vegetation close to paintings at Sites 1 and 3
- Visitor numbers
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CONSERVATION MANAGEMENT PLAN

The purpose of the conservation management plan for the three Portion A of Cairngorm is to retain their significance. rock art sites on

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			To the manufacture of the control of	
	en e		of any	
			written record	and/or graffiti
			and keep a	vandalism
and SAHRA	SAHRA	necessary	photograph	future
Mrs Brodie	Report all cases to	Whenever	Note,	9. Mitigation of
	regularly up-date information		for visitors	
	knowledge and		and .	interest high
	experts to share		tour guiding	keep visitor
	books, invite		standard of	significance and
Mrs Brodie	Read relevant	All visits	Keep a high	8. Retain site
	SAHRA			
	annially to			
	from and submit		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
	visitors come		ron i	and other sites
	month and where		information	planning at this
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	visitors book on		and	provide useful
	of data from	•	visitors book	numbers
Mrs Brodie	Make a summary	Every month	Keep a	7. Visitor
	fre			
	heat during a veld		surfaces	Sites 1 and 3
	could cause high		painted	paintings at
	rock face or that		away from	close to
	that touch the	months	vegetation	from vegetation
Mrs Brodie	Cut back bushes	Every six	Trim woody	6. Fire hazard
	not touch surfaces	ALAKALISTI KANDONOMININA KANDONOMININA KANDONOMININA KANDONOMININA KANDONOMININA KANDONOMININA KANDONOMININA K	The state of the s	and 3
	make sure they do	sites	surfaces	surface at sites 2
	problem and	visit to the	fouching	flaking of rock
Mrs Brodie	Warn visitors of	During every	Avoid	5. Natural
	SAHRA			
	transgressions to			
	Report			
	art conservation.			
	and don'ts of rock			
	indicating do's		dation	
	accommodation		accommo-	
	Place notice in		stay in the	
			people who	
	cottages and rock		Educate	
2000	shrubs between	immediately	site.	near Site 2
architect	Plant indigenous	architect	of the rock art	accommodation
and planner/	beyond 50 m.	planner and	within 50 m	self-catering
Mrs Brodie	Place cottages	Discuss with	Do not situate	4. Placement of
BY WHOM	HOZ	NES.	STRATEGY	
		4 % 20% A 4 % M	A MAN MARATA 7 TANDONES	And the second s

RECOMMENDATIONS

It is recommended that:

- Rezoning as a private nature reserve be permitted The rock art sites be registered with SAHRA
- The rock art conservation management plan be implemented by Mrs Brodie Mrs Brodie reports annually to SAHRA with a summary of the records from her visitors book and on any incidents of vandalism or deterioration in the state of the rock paintings.