

7/2/008/0001



the dme

Department:
Minerals and Energy
REPUBLIC OF SOUTH AFRICA

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First Floor, Liberty Corner, 29-31 Curry Street, Kimberley 8301

From: Directorate: Mineral Development: Northern Cape **Date:** 06 October 2006
Enquiries: Mr. N.C. Fhedzisani **E-mail:** shadrack.fhedzisani@dme.gov.za
Ref: NC 30/5/1/3/3/2/1/1020EM

The Director
South African Heritage Resources Agency
PO Box 4637
CAPE TOWN
8000

Attention: MARY LESLIE

CONSULTATION IN TERMS OF SECTION 40 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 2002, (ACT 28 OF 2002) FOR THE APPROVAL OF AN ENVIRONMENTAL MANAGEMENT PLAN FOR MINING PERMIT ON THE REMAINING EXTENT OF THE FARM GONG-GONG NO. 317, SITUATED IN THE MAGISTERIAL DISTRICT OF BARKLY WEST: NORTHERN CAPE REGION.

APPLICANT: PETRUS MATEBESI

Attached herewith, please find a copy of an EMP received from the above-mentioned applicant, for your comments.

It would be appreciated if you could forward any comments or requirements your Department may have to this office and to the applicant before **06 December 2006** as required by the Act.

Consultation in this regard has also been initiated with other relevant State Departments. In an attempt to expedite the consultation process please contact **Mr. N.C. Fhedzisani** of this office to make arrangements for a site inspection or for any other enquiries with regard to this application.

PP
.....
**REGIONAL MANAGER: MINERAL DEVELOPMENT
NORTHERN CAPE REGION**

NC 30/5/1/3/2/1020 MP
File number:.....

DEPARTMENT OF MINERALS AND ENERGY

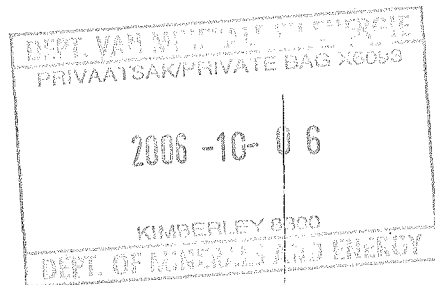
ENVIRONMENTAL MANAGEMENT PLAN

Submitted in support of application for a prospecting right or mining permit.
Section 39 and Regulation 52 of the Minerals and Petroleum Resources Development
Act, 2002 (Act 28 of 2002)



Application for a:	Prospecting Right	
	Mining Permit	X

Applicant: P. MATEBESI
Farm: GONG GONG NR 371
District: BARKLY WEST
Mineral: DIAMONDS
Date: 05-10-2006



B. BIOGRAPHIC DETAILS OF THE APPLICANT:

B 1.1 Full name (and surname) of person or company applying for permit or right	PETRUS MATEBESI
B 1.2 ID number of person or company/ CC registration number	6104015761087
B 1.3 Postal address	PO BOX 292 BARKLY WEST 8375
B 1.4 Physical/ residential address	
B 1.5 Applicant's telephone number	053-5310681
B 1.6 Applicant's cellular phone number	0760868354
B 1.7 Alternative contact's name	HAROLD DYKER
B 1.8 Alternative contact's telephone/cell phone numbers	078-371 2698
B 2.1 Full name of the property on which mining/ prospecting operations will be conducted	COMMONAGE DIKGATLONG MUNICIPALITY
B 2.2 Name of the subdivision	GONG GONG 371
B 2.3 Approximate center of mining/prospecting area: Latitude	24 ° 25 min 10.6 sec East
Longitude	28 ° 28 min 59.3 sec South
B 2.4 Magisterial district	BARKLY WEST
B 2.5 Name of the registered owner of the property	DIKGATLONG MUNICIPALITY
B 2.6 His/her Telephone number	053-5310671 ATTN : MR G. DAMOENSE

B 2.7 His/ her Postal address	PRIVATE BAG 5
	BARKLY WEST
	8375
B 2.8 Current uses of surrounding areas	NO ACTIVITIES
B 2.9 Are there any other, existing land uses that impact on the environment in the proposed mining/ prospecting area? NO. THIS IS A NON-PRODUCTIVE PIECE OF LAND. FAR FROM THE GONG GONG RESIDENTIAL AREA. IT IS COVERED WITH OLD TIME SMALL DIGGERS HEAPS.	
B 2.10 What is the name of the nearest town? GONG GONG ± 5 KILOMETERS	

C. ENVIRONMENTAL IMPACT ASSESSMENT:

The information provided in this section will enable officials to determine how serious the impact of the prospecting/mining operation will be.

DESCRIBE THE ENVIRONMENT THAT WILL BE AFFECTED BY THE PROPOSED PROSPECTING/MINING OPERATIONS UNDER THE FOLLOWING HEADINGS:

C.1 DESCRIPTION OF THE ENVIRONMENT LIKELY TO BE AFFECTED BY PROPOSED PROSPECTING/MINING OPERATIONS: (REGULATION 52(2)(a))			
ENVIRONMENTAL ELEMENT/ IMPACTOR	VALUE	TICK	OFFICE USE
C 1.1 What does the landscape surrounding the proposed operation look like? (Open veldt/ valley/ flowing landscape/ steep slopes)			
OPEN VELDT. COVERED BY OLD MINING PICK + SHOVEL DUMPS.			
C 1.2 Describe the type of soil found on the surface of the site			
	VALUE	TICK	OFFICE USE
C 1.3 How deep is the topsoil?	0 - 300mm	X	8
	300 - 600mm		4
	600mm +		2
C 1.4 What plants, trees and grasses grow naturally in the area around the site?			
OVERGROWN WITH HAAK AND STEEK THORNBUSHES. VERY LITTLE TO NO GRASS IN THIS ROCKY AREA.			

...plants, etc...			
NO LARGE TREES			
C 1.5 What <i>animals</i> naturally occur in the area?			
NO ANIMALS OBSERVED. VERY LITTLE CAN MOVE THROUGH THIS ROCKY, THORN BUSH AREA.			
	VALUE	TICK	OFFICE USE
C 1.6 Are there any <i>protected areas</i> (game parks/nature reserves, monuments, etc) close to the proposed operation?	Yes		4
	No	X	0
C 1.7 What mineral are you going to prospect or mine for? DIAMONDS			
C 1.8 Describe the type of equipment that will be used: BACKACTOR TO REMOVE SOIL. TIPPER TO TRANSPORT IT TO GRIZZLEY. LOADER TO REMOVE GRAVEL FROM GRIZZLEY TO 6 + 8 FT WASHING PAN			
C.2 HOW WILL THE PROPOSED OPERATION IMPACT ON THE NATURAL ENVIRONMENT? (REGULATION 52(2)(b))			
ENVIRONMENTAL ELEMENT/ IMPACTOR	VALUE	TICK	OFFICE USE
C 2.1 What will the ultimate depth of the proposed prospecting/mining operations be?	0 - 5m	X	2
	6 - 10m		4
	10 - 25m		8
	25m +		10
C 2.2 How large will the <i>total</i> area of all excavations be?		ONE	ha
C 2.3 How large will each excavation be before it is filled up?	<10 X 10m	X	2
	<20 X 20m		4
	>20 X 20m		8
C 2.4 How many <i>prospecting</i> boreholes or trenches will there be?			30

	VALUE	TICK	OFFICE USE
C 2.5 Will employees prepare food on the site and collect firewood?	Yes		4
THEY WILL PREPARE FOOD ON A GAS STONE. NO WOOD NEEDED	No	X	0
C 2.6 Will water be extracted from a river, stream, dam or pan for use by the proposed operation?	Yes	X	4
GONG GONG STREAM	No		2
C 2.7 If so, what is the name of this water body?	DEPT WATER AFFAIRS		
C 2.8 If water will not be extracted from an open surface source, where will it be obtained?	N/A.		
	VALUE	TICK	OFFICE USE
C 2.9 How much water per day will the <i>mineral processing</i> operation require?	1000 – 10 000 Liters	X	2
	20 000 – 40 000 L		3
	40 000 – 60 000 L		5
	60 000 – 100 000L		8
	More		10
C 2.10 How far is the proposed operation from open water (dam, river, pan, lake)?	0 – 15m		8
	16 – 30m		6
	31 – 60m		4
	More than 60 metres	X	2
800 METERS			
C 2.11 What is the estimate depth of the water table/ borehole?	TWO		metres
C 2.12 How much water per day will the proposed operation utilize for employees?	CLEAN WATER FROM BARKLY WEST		Liters 20
C 2.13 What toilet facilities will be made available to workers?	None		8
	Pit latrine (longdrop)	X	4
	Chemical toilet		2
C 2.14 Would it be necessary to construct roads to access the proposed operations?	Yes		4
	No	X	0

	VALUE	TICK	OFFICE USE
C 2.15 How long will these access road(s) be (from a public road to the proposed operations)	0 - 0,5 km		4
CURRENT ACCESS ROAD	0,6 - 1,5 km		2
	1,6 - 3 km	X	4
C 2.16 Will trees be uprooted to construct these access road(s)?	Yes		4
	No	X	0
C 2.17 Will any foreign material, like crushed stone, limestone, or any material other than the naturally occurring topsoil be placed on the road surface?	Yes		4
	No	X	0
C.3 TIME FACTOR			
C 3.1 For what time period will prospecting/mining operations be conducted on this particular site?	0 - 6 months	X	2
	6 - 12 months		4
	12 - 18 months		6
	18 - 24 months		8
	>24 months		10
C.4 HOW WILL THE PROPOSED OPERATION IMPACT ON THE SOCIO-ECONOMIC ENVIRONMENT? (REGULATION 52(2)(b))			
ELEMENT/ IMPACTOR	VALUE	TICK	OFFICE USE
C 4.1 How many people will be employed?	• ELEVEN		
C 4.2 How many men?	• TEN		
C 4.3 How many women?	• ONE		
C 4.4 Where will employees be obtained? (Own or employed from local communities?)	Own		2
↳ FROM GONG GONG . 3 OWN EMPLOYEES	Local	X	4
↳ FROM BARKY WEST + PAMPIERSTAD			
C 4.5 How many hours per day will employees work?	Sunrise → Sunset		4
9 HOURS PER DAY	Less	X	2
	More		8

	VALUE	TICK	OFFICE USE
C 4.6 Will operations be conducted within 1 kilometer from a residential area	Yes		6
	No	X	1
C 4.7 How far will the proposed operation be from the nearest fence/windmill/house/dam/built structure?	0 – 50 metres		8
NOTHING WITHIN EYESIGHT	51 – 100 metres		4
	150 or more metres	X	2
C.5 HOW WILL THE PROPOSED OPERATION IMPACT ON THE CULTURAL HERITAGE OF THE SURROUNDING ENVIRONMENT? REGULATION 52(2)(b)			
ELEMENT/ IMPACTOR	VALUE	TICK	OFFICE USE
C 5.1 Are there any graveyards or old houses or sites of historic significance within 1 kilometer of the area?	Yes		8
	No	X	0

C.6 SPECIFIC REGULATORY REQUIREMENTS

<p>C.6.1 Air quality Management and Control (Regulation 64) Describe how the operation will impact on the quality of the air, taking into account predominant wind direction and other affected parties in the downwind zone:</p> <p>THERE ARE NO ACTIVITIES OR RESIDENTS WITHIN ABOUT 5 KILOMETERS</p>
<p>C.6.2 Fire Prevention (Regulation 65) Applicants for permits, rights or permissions involving <u>coal or bituminous rock</u> must:</p> <ul style="list-style-type: none"> Indicate on a plan where the coal or rock discard dump will be located (If applied for a permit to mine or prospect for coal or bituminous rock, indicate the exact location of the discard dump on the plan and write "EMPlan C6.2" next to it)
<p>C.6.3 Noise control (Regulation 66) Indicate how much noise the operation will generate, and how it will impact on the surrounding environment, who might be influenced by noise from your operation.</p> <p>THERE ARE NO NEARBY RESIDENTS. THE SOUNDS FROM A BACKACTOR, LOADER, TIPPER AND NOISE OF ROCKS ON GRIZZLEY. EAR MUFFS AVAILABLE TO ALL EMPLOYEES</p>

C.6.7 If significant impacts on any element of the environment mentioned in Section C 1 to C 6.6 above have been identified, summarise all of them here: (Regulation 52(2)(c))	C.6.8 How will the negative impacts on the environment be mitigated or managed (as described in C 6.11 to the left? (Regulation 57(2)(c))
<p>Example: Section C 6.4 Blasting. have identified that the people living on the neighbouring property are sensitive to loud noises as they have children that must study during the afternoons</p>	<p>Example: I will mitigate the impact of my blasting operations on the Interested Parties by limiting blasting operations to school hours, when no one in the affected area is at home.</p>
<p>1 OUR OPERATION WILL HAVE NO IMPACT ON THE ENVIRONMENT AT ALL. AT</p>	<p>1</p>
<p>2 PRESENT IT IS ONLY A ROCKY AREA WITH LOTS OF ROCK HEADS. IT IS</p>	<p>2</p>
<p>3 OVERGROWN WITH THORN BUSHES. THE VAAL RIVER (\pm 1KM) IS NOT</p>	<p>3</p>
<p>4 REACHABLE BY VEHICLE. THE NEAREST RESIDENTS ARE \pm 5KMS IN GONG-GONG</p>	<p>4</p>
<p>5</p>	<p>5</p>
<p>6</p>	<p>6</p>
<p>7</p>	<p>7</p>
<p>8</p>	<p>8</p>

C.7 Financial provision: (Regulation 54)

The amount that is necessary for the rehabilitation of damage caused by the operation, both sudden closure during the normal operation of the project and at final, planned closure will be estimated by the regional office of the DME, based on the information supplied in this document. This amount will reflect how much will it cost the Department to rehabilitate the area disturbed in case of liquidation or abscondence.

Enter the amount of financial provision required here: R 15 000 - 00

What method will be used to furnish DME with this financial provision?

Cash deposit	X
Bank guarantee	
Trust Fund	
Other: (specify) (Note: other methods must be approved by the Minister)	

The standard formats for each of these types of guarantees are available from your regional office of the DME.

C.8.1 Monitoring and performance assessment.

Regulation 55 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) clearly describes the process and procedure as well as requirements for monitoring and auditing of the performance of this plan to adequately address environmental impacts from the operation. The following information must be provided:

C.8.2 Please describe how the adequacy of this programme will be assessed and how any inadequacies will be addressed. (Regulations 55(1) and 52(2)(e))

Example: I will, on a bi-monthly basis, check every aspect of my operation against the prescriptions given in Section F of this document and, if I find that certain aspects are not addressed or impacts on the environment are not mitigated properly, I will rectify the identified inadequacies immediately.

A REGULAR MONTHLY INSPECTION WILL BE HELD REGARDING TRENCHES, REHABILITATION, SAFE + HEALTHY ENVIRONMENT. A LOGBOOK WILL BE KEPT ON ALL WRONG FINDINGS + ACTION TAKEN TO RECTIFY IT.

C.9 Closure and Environmental objectives: (Regulation 52(2)(f))

Clearly state the intended end use for the area prospected/mined after closing of operations

THIS LAND IS IN A TERRIBLE STATE. IT IS COMPLETELY COVERED WITH SMALL OLD DIGGING HEADS + OVERGROWN WITH HAAK + STEEK THORN BUSHES. WE WILL HAVE TO PUT EVERYTHING THROUGH THE GRIZZLEY. THIS WILL ENSURE THE MIXING OF THE ROCKS + PORREL. AS THERE IS VIRTUALLY NO TOPSOIL + GOOD VEGETATION, WE CAN ONLY LEAVE IT IN A BETTER STATE THAT IT IS IN NOW

C.9.1 Describe, in brief terms, what the environment will look like after a closure certificate has been obtained.
LEVELED ROCKY AREA

Note: The proposed end-state of your area must be consulted with interested and affected parties in terms of Regulation 52(2)(g). Details of the acceptability of the end-state must appear in the section below.

C 10 CLOSURE

Regulations 56 to 62 outline the entire process of mine closure, and these are copied in Section F of this document, both as a guide to applicants on the process to be followed for mine closure, and also to address the legal responsibility of the applicant with regard to the proper closure of his operation. In terms of Section 37 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), the holder of a permit is liable for any and all environmental damage or degradation emanating from his/her operation, until a closure certificate is issued in terms of Section 43 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002).

C.11 Public Participation: (Regulation 52(2)(g))

In terms of the above regulation consultation with interested and affected person or persons must take place prior to the approval of the environmental management plan. This regulation is quoted below for ease of reference.

"a record of the public participation undertaken and the results thereof"

C 11.1 Any comments lodged by an interested and affected person or persons in terms of section 10(1)(b) of the Act, must be in writing and addressed to the relevant Regional Manager.

C 11.2 Any objections lodged by an interested and affected person or persons against the application for a right or permit in terms of the Act, must set out clearly and concisely the facts upon which it is based and must be addressed to the relevant Regional Manager in writing.

C 11.3 The Regional Manager must make known by way of publication in a local newspaper or at the office of the Regional Manager, that an application for a right or permit in terms of the Act has been received.

In the table below, please list the names of people or organisations likely to be influenced by the proposed operations (these might include neighbours, other water users, etc.) Kindly indicate how these people were consulted (eg. By letter or by phone) and *provide proof* of that consultation. What were the main concerns/ objections raised by the interested and affected parties to the proposed operation?

Name of Interested/ affected party	Contact details: Address & telephone number	How did consultation take place?	What were his/her main concern about the operation?
1	NO NEARBY NEIGHBOURS NEAREST RESIDENTS ARE 5 KILOS AWAY WE WILL NOT EVEN TRAVEL	THROUGH GONG GONG	IN GONG GONG, ABOUT
2			
3			
4			
5			

D SCORING OF EIA- FOR OFFICIAL USE ONLY**Instructions for officials:**

In this table, complete the totals of each section indicated below and do the calculation. **Remember to first add all the values of sections C 1,2,4 and 5 and then to multiply it by the time factor in Section C 3**

Note that the value for the time factor element of the impact rating appears in Section C3. This is the total amount of time that the operation is expected to impact on the environment and all other factors are MULTIPLIED by this value. Compare the score (Impact rating) with the table below to help you make a decision on the total impact of the operation and also on the sufficiency of this programme to address all expected impacts from the operation on the environment.

D 1.1 CALCULATION TABLE

Section C 1 Total	+	Section C 2 Total	+	Section C 4 Total	+	Section C 5 Total	=	<u>Subtotal</u>	X	Time Factor Section C 3	=	Score (Impact rating)
	+		+		+		=		X		=	

D 1.2 IMPACT RATING SCALE

SCORE ATTAINED	IMPACT RATING	REMARKS
46 - 300	Low	No additional objectives needed – this programme is sufficient
301 - 800	Medium	Some specific additional objectives to address focal areas of concern may be set.
801 - 1160	High	Major revision of Environmental Management Plan for adequacy and full revision of objectives.

Additional Objectives:

Based on the information provided by the applicant and the regional office's assessment thereof, combined with the interpretation of the scoring and impact rating attained for the particular operation above, the Regional Manager of the regional office of the DME may now determine additional objectives /requirements for the mine owner/manager to comply with. *These measures will be specific and will address specific issues of concern that are not adequately covered in the standard version of this document.* These requirements are not listed here, but are specified under Section G of this document, so as to form part of the legally binding part of this Environmental Management Plan.

E UNDERTAKING:

I, PETRUS MATEBESI, the applicant for a MINING permit/ right hereby declare that the above information is true, complete and correct. I undertake to implement the measures as described in Sections F and G hereof. I understand that this undertaking is legally binding and that failure to give effect hereto will render me liable for prosecution in terms of Section 98 (b) and 99 (1)(g) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002). I am also aware that the Regional Manager may, at any time but after consultation with me, make such changes to this plan as he/she may deem necessary.

Signed on this 5th day of October 2006 at BARKLY WEST (Place)


.....

Signature of applicant

F 5.5 NOTES ON LEGAL PROVISIONS

NOTE: The holder of a prospecting right, mining permit or reconnaissance permission must also take cognisance of the provisions of other legislation dealing with matters relating to conservation, and which include, *inter alia*, the following:

- * National Monuments Act, 1969 (Act 28 of 1969).
- * National Parks Act, 1976 (Act 57 of 1976)
- * Environmental Conservation Act, 1989 (Act 73 of 1989)
- * National Environmental Management Act, 1998 (Act No. 107 of 1998)
- * Atmospheric Pollution Prevention Act, 1965 (Act 45 of 1965)
- * The National Water Act, 1998 (Act 36 of 1998)
- * Mine Safety and Health Act, 1996 (Act 29 of 1996)
- * The Conservation of Agricultural Resources Act, 1983 (Act 43 of 1983).

G. SPECIFIC ADDITIONAL REQUIREMENTS DETERMINED BY THE REGIONAL MANAGER.

Officials in regional offices may use the following matrix to determine the necessity for additional objectives to be included in this Section of the document:

POTENTIAL ENVIRONMENTAL IMPACTS OF MINING										
Activity	Disturbance					Pollution				Visual
	Landform	Soil	Flora	Fauna	Heritage	Land	Water	Air	Noise	
Mining										
Access										
Topsoil removal										
Overburden removal										
Mineral Extraction										
Tailings disposal										
Water Abstraction										
Pipeline route										
Transport										
Accommodation										
Waste Disposal										
Electricity										
Hydrocarbon storage										
Workforce										

Please indicate VL, L, M, H, and VH for Very Low, Low, Medium, high and Very High in each column to determine the main area and severity of impact.

G. This section outlines the specific additional requirements that may be set for the operation by the Regional Manager. Additional requirements will only have been set if the Regional Manager is of the opinion that there are specific impacts on the environment which will not be adequately mitigated by the provisions set within the standard version of the Environmental Management Plan. These requirements form part of the Environmental Management Plan and all elements and instructions contained herein must be complied with by the applicant.

Empty lined area for additional requirements.

H. UNDERTAKING

I, PETRUS MATEBESI the undersigned and duly authorised thereto by Company/Close Corporation/Municipality (Delete that which is not applicable) have studied and understand the contents of this document in its entirety and hereby duly undertake to adhere to the conditions as set out therein including the amendment(s) agreed to by the Regional Manager in Section G and approved on

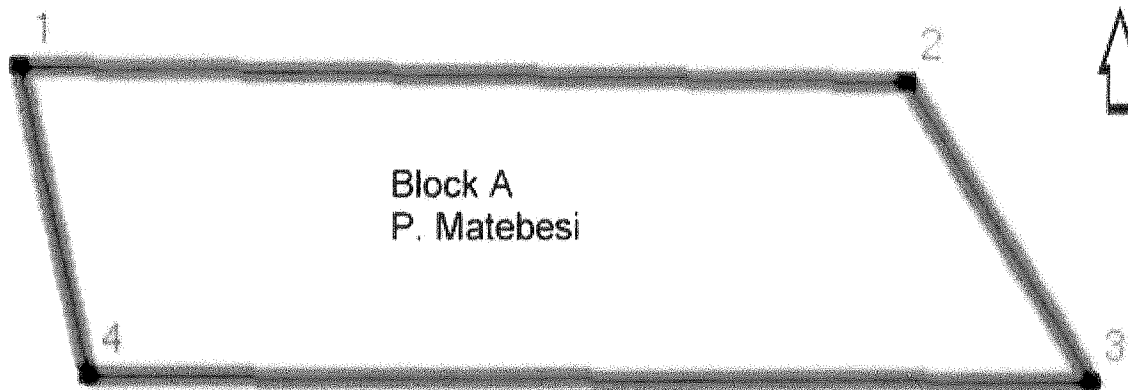
Signed at BARKLY WES this 5th day of OCTOBER, 2006

Signature of applicant (Handwritten signature)

Designation

Agency declaration: This document was completed by J. BERGH on behalf of PETRUS MATEBESI

Block A
P. Matebesi



Scale: 1:700

1: S 28 28.968 E 24 25.102

2: S 28 28.970 E 24 25.227

3: S 28 29.007 E 24 25.253

4: S 28 29.006 E 24 25.112

Distance:

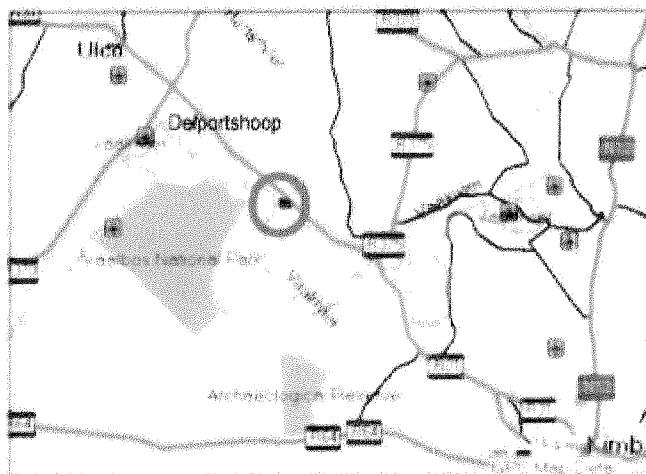
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2 - 3: 80,8m

3 - 4: 230,0m

4 - 1: 71,8m

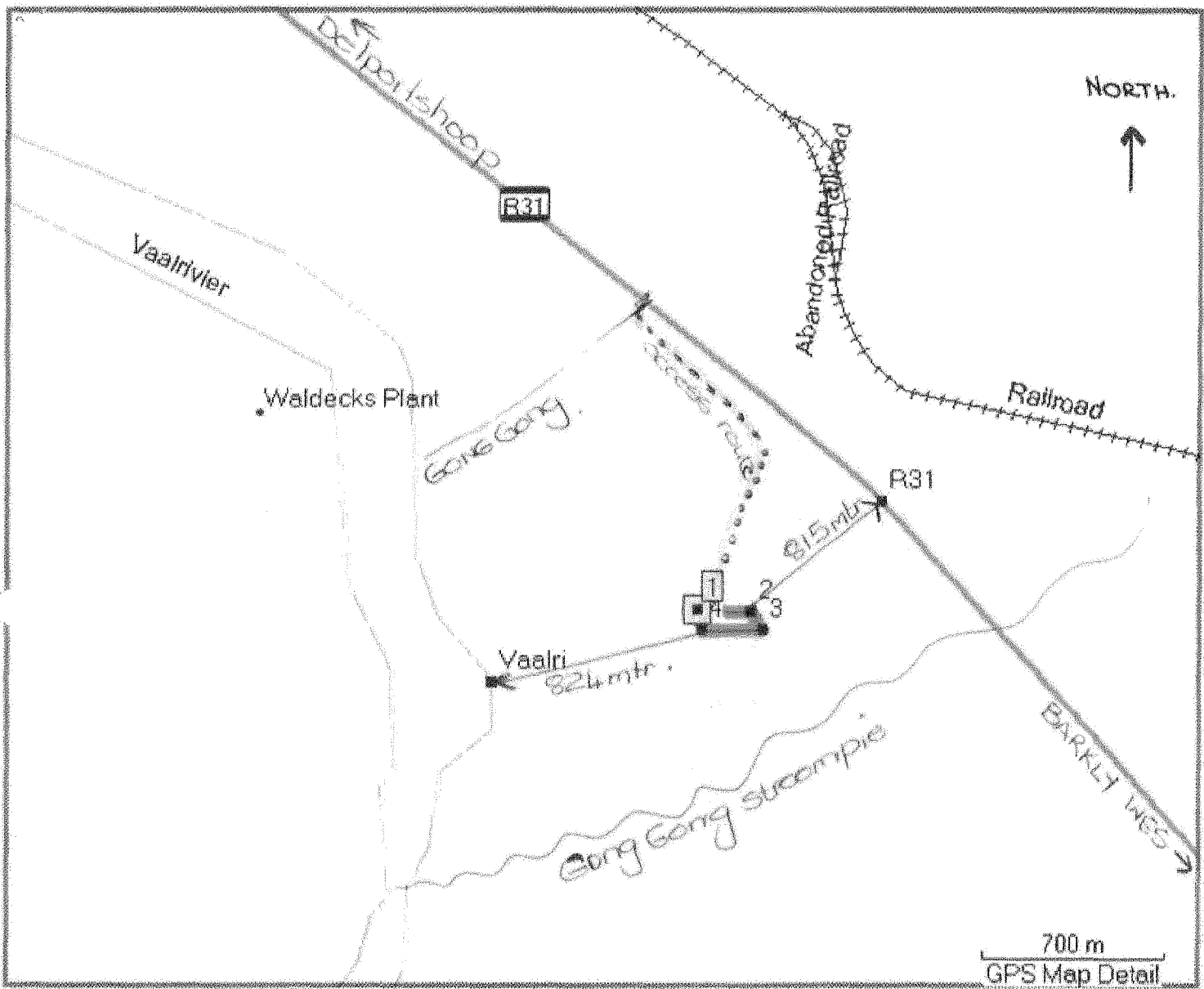
70 m
GPS Map Detail



Mining Permit: P Matebesi
Ghong Ghong.
Size of Area: 1,50ha.
WGS 84 Geographic

Signature: _____

Date: _____



NC 30/5/1/3/2/1020 MP.
P. Makebesi