

Annexure A : Details of Notification and Participation

**PARTICIPATION IN THE COMPILATION OF THE EMP FOR PROSPECTING ON
FARM 202, FORT BEAUFORT**

As part of the participation process in the Prospecting Right application the applicant, Amatola Quarry Products cc, identified and consulted with the parties listed in the table below.

Identified Interested and Affected Parties

I&AP	Property	Relationship
Dr J.P Mildenhall	Farm 202	Landowner of application area
Mr A.H Danckwerts	Farm 142	Neighbouring landowner
Spoornet Portfolio Manager	Farm 141 & Railway line & siding	Adjacent landowner
Spoornet Infrastructure Maintenance	Farm 141 & Railway line & siding	Adjacent landowner
Winterberg Agricultural College	Erf 1024	Adjacent Landowner
Local Authority: Nkonkobe Municipality	Commonage	

Notification & Consultation with Landowners and Issues Raised

Refer last column for details of consultation.

I&AP	Property	Contact Details	Relationship	Notification and Issues Raised
Dr J.P Mildenhall	Farm 202		Landowner of application area	<p>Attended a meeting held on 13 January 2010 held on Farm 142, Fort Beaufort.</p> <p>Concerns Raised:</p> <ul style="list-style-type: none"> • Dust on grazing from prospecting activities • Proximity to trial pits to his house • Proximity of a possible quarry to his house <p>Requested further discussion the matter</p> <p>Refer attached copy of minutes of such meeting for his concerns</p>
Mrs Mildenhall	Farm 202		Wife of Landowner	<p>Attended meeting with Dr Mildenhall as above;</p> <p>No comments raised</p> <p>Refer attached copy of minutes</p>
Mr A.H Danckwerts	Farm 142		Neighbouring landowner	<p>Attended a meeting held on 13 January 2010 held on Farm 142, Fort Beaufort.</p> <p>No comments raised but requested further discussion the matter.</p> <p>Refer attached copy of minutes</p>

Spoornet Portfolio Manager	Farm 141 & Railway line & siding	Mr Ndaleka P.O Box 23960 Port Elizabeth 6000.	Adjacent landowner	Letter dated 22 Jan 2010 (See attached) No comments have been received as yet
Spoornet Infrastructure Maintenance	Farm 141 & Railway line & siding	Mr De Jager P.O Box 2317 North End 6056	Adjacent landowner	Letter dated 8 September 2006 (1 st round application?) Letter dated 24 December 2009 Letters attached No comments have been received as yet
Winterberg Agricultural College	Erf 1024	The principle : Mr van Vuuren Private Bag x238 Fort Beaufort 5270	Adjacent Landowner	Letter dated 22 Jan 2010 See attached No comments have been received as yet
Local Authority: Nkonkobe Municipality	Commonage	The Municipal Manager Nkonkobe Municipality P.O Box 36 Fort Beaufort 5270		Letter dated 8 September 2006 (1 st round application?) Letter dated 24 December 2009 Did not attend meeting 13 Jan 2009 (invited to comment by 11 Jan 2010 to be included in meeting) No comments have been received as yet

Objections Received:

Only **one objection** has been received thus far. This objection is from Stutt Quarries who were informed of the Prospecting Right Application by the landowner of adjacent property, Farm 142 on which they themselves have applied for a Mining Permit

The letter of objection by Stutt Quarries dated 13/1/2010 was addressed directly to the Department of Mineral Resources who then forwarded the letter to the applicant for his comment. Refer attached copy of letter

Newspaper Notification

(The comment period was extended due the fact that the notification fell over the December festive season and numerous public holidays)

In addition to the notifications listed above, a notice (as attached) was placed by Site Plan Consulting and appeared in the 11 February 2010 editions of:

- Cradock Courant
- Somerset Budget
- Winterberg News and
- Fort Beaufort Advocate

The purpose of such advert was to notify any I&AP's not identified or directly contacted by the applicant and also gave a brief description on the prospecting activities. The notice called for comment no later than 25 Feb 2010.

Copy

Minutes of Meeting

Date: 13th January 2010

AGENDA: Prospecting activities on Farm 202, Fort Beaufort

Present:

- Mr. K.P. Hagemann (Representative Amatoia Quarry Products cc)
- Mr. Dankwerts (Neighbour-Old Klu Klu Outspan Farm 142, Fort Beaufort)
- Dr. Mildenhall (Owner- ~~Thomgrove Farm~~ Farm 202, Fort Beaufort)
- Mrs Mildenhall (Wife of Owner - ~~Thomgrove Farm~~ Farm 202, Fort Beaufort)

gpm
gpm
gpm
Mt Ayliff Farm
Mt Ayliff Farm

Place of Consultation: Farm 142 Old Klu Klu Outspan, Fort Beaufort, Eastern Cape

Items to be discussed:

1. Environmental Issues:

Dr. Mildenhall expressed concern as to the locality of a likely quarrying site. He mentioned that his dwelling is approximately 1km distant. Also mentioned was the degradation of grazing due to dust emission during the prospecting process. Dr. Mildenhall expressed concerns regarding the proximity of test pits relative to the locality of his house. Mr. Hagemann assured Dr. Mildenhall that test pits would be confined to an area on Farm 202 extending no further than 200m Eastward of the boundary between this property in mention and Farm 142.

2. Access or restriction there-of

Dr. Mildenhall expressed an understanding that the access road to his farm 202 be positioned from the R63 through the Old Klu Klu siding directly onto the proposed prospecting area.

3. Prospecting Activities

The prospecting activities should not exceed 3 test pits located within the 200m demarcation as stated in item-1.

4. Special Note

Both Dr. Mildenhall as well as Mr. Dankwerts expressed the wish to first discuss the proposition presented by Mr. Hagemann ~~and~~ before committing themselves to a decision. However the feeling prevails that no reasonable proposal will be rejected.

A.H. Dankwerts

 A.H. Dankwerts

J.P. Mildenhall

 J.P. Mildenhall

P. Mildenhall

 P. Mildenhall

4

AMATOLA QUARRY PRODUCTS cc

VAT No: 4140156490. / REG NO CK: 1996/000073/23

P.O. Box 153, Komga, 4950

Phone: 0438311198 Fax: 0438311201

Grahamstown branch:

Phone: 0466379911 Fax: 0466223308

Cell: 0826700063

The Municipal Manager
Nkonkobe Municipality
P. O. Box 36
Fort Beaufort
5720

24th December 2009

Dear Sir/Madam

Ref: EC 30/5/1/1/2/0145 PR
Application for Prospecting Right on Farm 202, Fort Beaufort


Dear Sir,

We wish to advise that we are again applying for a Prospecting Right on Farm 202, Fort Beaufort being the property of Dr. J.P. Mildenhall.

By virtue of adjoinment to his property you are invited to articulate your response in writing on or before the 11th January 2010 so that you may be included at a meeting at Mr. A. Dankwerts residence on Klu Klu on the 13th January 2010 at 10am.

Your earliest response would be appreciated.

Yours sincerely



K. P. Hagemann

AMATOLA QUARRY PRODUCTS cc

VAT No: 4140156490. / REG NO CK: 1996/000073/23

P.O. Box 153, Komga, 4950

Phone: 0438311198 Fax: 0438311201

Grahamstown branch:

Phone: 0466379911 Fax: 0466223308

Cell: 0826700063

The Portfolio Manager
Spoornet
P. O. Box 23960
Port Elizabeth
6000

22nd January 2010

Attention: Mr. Ndaleka

Dear Sir,

We wish to advise that our application for Prospecting Rights on Dr. Mildenhall's Farm 202, Fort Beaufort has been accepted by the Department of Mineral Resources. A copy of theirs is enclosed here-with.

You will note from the enclosed map that the proposed site is adjacent to the disused Klu Klu (Xuxuwe) siding as such you are considered an Interest & Affected Party. For the record the proposed quarry will be situated back-to-back to the borrowpit used by the contractors in the construction of the R63.

Firstly we request that as in the instance of quarrying in the borrowpit you will have no objection to the establishment of our quarry at this point. Furthermore since the old siding is no longer of consequence to Spoornet's operations we wish to lease same for the placement of our prefabricated site office. All service requirements would be for our account

Your earliest response here-to would be appreciated.

Yours sincerely

K. P. Hagemann

AMATOLA QUARRY PRODUCTS cc

VAT No: 4140156490. / REG NO CK: 1996/000073/23

P.O. Box 153, Komga, 4950

Phone: 0438311198 Fax: 0438311201

Grahamstown branch:

Phone: 0466379911 Fax: 0466223308

Cell: 0826700063

The Principal
Winterberg Agricultural College
Private Bag X238
Fort Beaufort
5270

22nd January 2010

Attention: Mr. Van Vuuren

Dear Sir,

We wish to advise that an application for prospecting rights has been accepted by the Department of Mineral Resources on the property of Dr. Mildenhall Farm 202.

As you will note from our enclosed map the furthestmost Western end of the Winterberg Estate joins the affected area on Farm 202 on which we will be prospecting for quarry stone.

We have drawn an access way from the unused siding directly across the rail track through your Erf No. 1024 and then onto Farm 202. As you will see this is barely noticeable on the map but it features on the Winterberg diagram.

We request further that you have no objection to the locality of the proposed quarry which adjoins the borrowpit used by contractors during road construction.

Your earliest response would be appreciated.

Yours sincerely

K. P. Hagemann

AMATOLA QUARRY PRODUCTS cc

VAT No: 4140156490. / REG NO CK: 1996/000073/23

P.O. Box 153, Komga, 4950

Phone: 0438311198 Fax: 0438311201

Grahamstown branch:

Phone: 0466379911 Fax: 0466223308

Cell: 0826700063

The Regional Manager
Dept of Minerals & Energy
Private Bag X6076
Port Elizabeth
6000
Fax: 041 585 3881

14th January 2010

Dear Sir/Madam

Ref. EC 30/5/1/1/2/0145 PR
Application for Prospecting Right on Farm 202, Fort Beaufort

We enclose herewith our submission which we hope you will find in order.

Points we wish to register is that two of the adjoining Interested and Affected Parties have failed to respond. These being Spoormet's Mr. De Jager who in the process of a previous unsuccessful application actually visited the site but did not formally express his opinion (see ours dated 8th September 2006) enclosed herewith. The same applies to the Nkonkobe Municipality who also failed to respond.

In our application are minutes of a meeting with the two most effectively connected i.e. the land owner Dr. Mildenhall and his neighbour Mr. Dankwerts. You will note from the minutes that a tacit understanding as expressed in point 4 was reached. Reservations expressed by the owner are within our capacity to fulfil and will be adhered to.

Yours sincerely



K. P. Hagemann

AMATOLA QUARRY PRODUCTS cc

VAT No: 4140156490 / REG NO CK: 1996/000073/23

P.O. Box 153, Komga, 4950

Phone: 0438311198 Fax: 0438311201

Grahamstown branch:

Phone: 0466379911 Fax: 0466223308

Cell: 0826700063

The Regional Manager
Spoornet
Infrastructure Maintenance
Box 2317
North End
6056

8th September 2006

Attention: Mr De Jager

REGISTERED MAIL

RE: APPLICATION FOR PROSPECTING RIGHT ON DR MILDENHALLS FARM
THORNGROVE, FORT BEAUFORT

Dear Sir,

You will recall having met our Derrick Hagemann on the abovementioned site to view the prospects of quarrying as shown on our enclosed map.

This advice serves to inform you as an affected party that our application for Prospecting Right has been accepted by the Dept of Minerals & Energy on the abovementioned farm adjoining your triangular reserve at Klu Klu siding. (XUXUWA)

This application is a prelude to the eventual application for a Mining Permit at or near the site as shown.

Should you require any further information we will be pleased to respond accordingly.

Enclosed herewith is a copy of the abovementioned letter from the department relevant hereto.

Yours sincerely


K P HAGEMANN

No written Response.

26/09/06

AMATOLA QUARRY PRODUCTS cc

VAT No: 4140156490. / REG NO CK: 1996/000073/23

P.O. Box 153, Komga, 4950

Phone: 0438311198 Fax: 0438311201

Grahamstown branch:

Phone: 0466379911 Fax: 0466223308

Cell: 0826700063

The Regional Manager
Spoonet
Infrastructure Maintenance
P. O. Box 2317
North End
6056
Attention: Mr De Jager

24th December 2009

Dear Sir/Madam

Ref: EC 30/5/1/1/2/0145 PR

Application for Prospecting Right on Farm 202, Fort Beaufort (Xuxuwe Siding)

Dear Sir,

Enclosed here-with is confirmation of acceptance by the Department of Mineral Resources for Prospecting Rights as described above including a map of the locality.

Please respond at your earliest should you wish to comment on our application or advise if you wish to visit the site.

Yours sincerely



K. P. Hagemann

AMATOLA QUARRY PRODUCTS cc

VAT No: 4140156490. / REG NO CK: 1996/000073/23

P.O. Box 153, Komga, 4950

Phone: 0438311198 Fax: 0438311201

Grahamstown branch:

Phone: 0466379911 Fax: 0466223308

Cell: 0826700063

The Municipal Manager
Nkonkobe Municipality
P O Box 36
Fort Beaufort
5720

8th September 2006

REGISTERED MAIL

Dear Sir,

We hereby advise that we have applied for a Prospecting Right for quarry stone on the property of Dr. J Mildenhall known as Thomgrove being remainder of Farm 202 Fort Beaufort.

As an affected party by virtue of a common boundary at or near the preferred site it is required by the Dept of Minerals & Energy that we inform you of such development.

Enclosed herewith is an enlarged map showing the preferred site and the boundary in mention relative to your commonage.

Enclosed also is a copy of the authority by which we will be proceeding with Prospecting which is a prelude to an application for a Mining Permit.

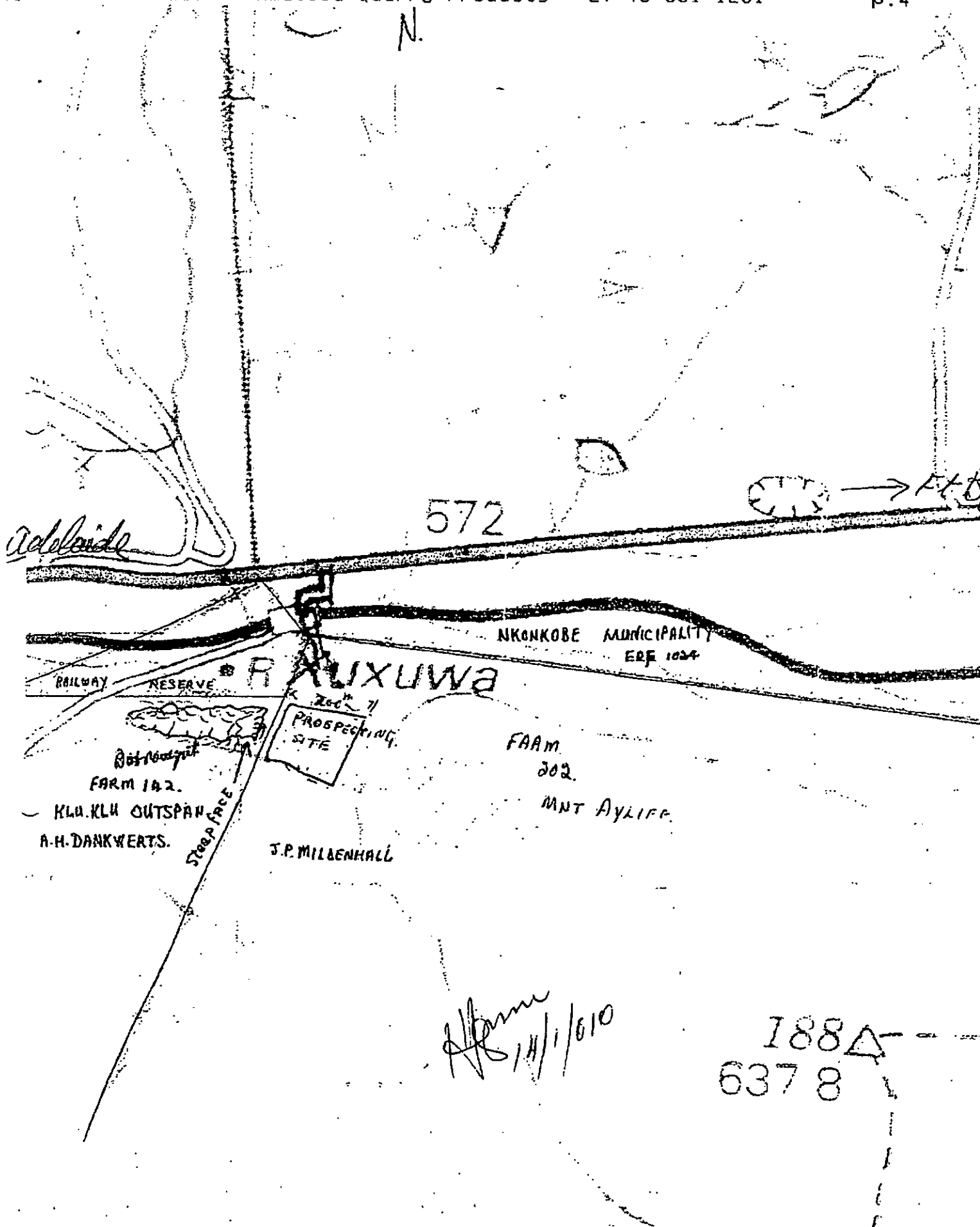
Should you require any further information please contact us in order that we may respond accordingly.

Thanking you.

Yours sincerely

K P HAGEMANN

No response



Fort Elizabeth
Private Bag x 6067, Port Elizabeth, 6000, Corner Mount and Diaz Road, Mount Crox, Port Elizabeth, 6000,
Tel: Fax: (041) 396 3900, Fax: (041) 396 3645 . E-mail: mxolisi.sonkwala@dma.gov.za, Ref: EC30/5/1/2/0145 PR

From: Mxolisi Sonkwala Enquiries: Mxolisi Sonkwala

Amatola Quarry Products CC.
P. O. Box 153
Komga
4950

01 February 2010

Dear Mr Hagermann

**REQUEST FOR SUBMISSION OF DETAILED INFORMATION: OBJECTION
FOR A PROSPECTING RIGHT: AMATOLA QUARRY PRODUCTS CC, PTN
OF THE FARM 202, DIVISION OF FORT BEAUFORT.**

In terms of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) and Regulations, objections received against any application must be addressed and resolved by the Regional Mining Development and Environmental Committee (RMDEC).

You are therefore requested to submit detailed response only on the objections/concerns that are raised against your application. The information must be submitted to the Department of Mineral Resources before the 10th of February 2010. II

Please acknowledge receipt of this notification and advise this office on the availability of your detailed response on the objections/concerns raised.

Yours faithfully

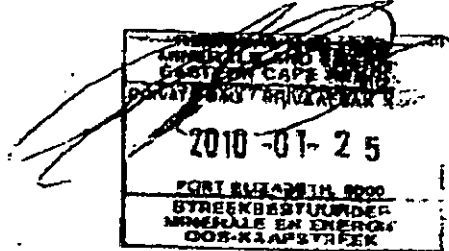

SECRETARIAT: RMDEC EASTERN CAPE REGION
DEPARTMENT OF MINERAL RESOURCES

DATE...01/02/2010.....

STUTT QUARRIES

P.O. Box 197
Stutterheim 4930
Tel: 043-6831426 Fax: 043-6831756
Vat No: 4020194413
Reg No: 2001/019313/23
E-mail: info@stuttcartage.co.za
www.stuttcartage.co.za

The Department of Mineral Resources
13/1/2010



Att: The Regional Manager

OBJECTION TO THE ACCEPTANCE AND GRANTING OF A PROSPECTING RIGHT TO AMATOLA QUARRIES ON FARM 202, FORT BEAUFORT

We have been informed by the owner of farm 142, on which Stutt Quarries have applied for a mining permit for stone, that the Department of Mineral Resources has accepted an application for a prospecting right for the very same stone deposit on farm 202, directly abutting the proposed Stutt Quarries mining area. Stutt Quarries has already spent a considerable amount of time in researching the Fort Beaufort market, as well as funds to apply for its permit on the abutting property and is extremely concerned about the DMR accepting the application, especially since it was clearly indicated in its permit application that it has the intension to apply for a mining right once the market has been established.

Stutt Quarries herewith objects to 1) the issue of the prospecting right to Amatola Quarries, 2) granting of a mining permit in the immediate future to Amatola Quarries and simultaneously lodge an appeal in terms of section 96 of the MPRDA28 of 2002 to the administrative decision to accept the prospecting application. The objection and appeal are based on the following:

1. Accepting the prospecting right in terms of section 16(2) will definitely lead to the granting of the prospecting right, since the applicant disposes of the required financial as well as technical ability to comply with all the requirements of the MPRDA as stipulated in section 17(1)(a-e), a fact that the DMR as well as the applicant is conversant of. By accepting the application, the DMR, the custodian of all mineral rights, has therefore made a decision that there is an additional need to develop the same stone resource that Stutt Quarries has applied for. No argument can be put forward that the decision is still under consideration, because if the applicant complies with the conditions of section 17 (1) of the MPRDA, the right must be granted and there is no subsection under section 17 that allows for refusal because the operation might eventually detrimentally affect the economic sustainability of another mining operation.

Handwritten notes:
Original
copy
sent to
Stutt
27/1/10

STUTT CARTAGE, QUARRIES, CONCRETE PRODUCTS & PLANT HIRE

Handwritten note:
Original letter posted to legal section
at 11/0 [Signature]

2. Once the right is granted, section 19(1)(b) grants Amatola Quarries the exclusive right to apply for and be granted a mining right in respect of the prospecting area in question, which means that the DMR, by accepting the prospecting application has made a decision that, provided the mining right application is submitted in the correct format, the Fort Beaufort market can sustain two hard rock quarry operations, located immediately next to each other. The DME is also fully conversant of the fact that Amatola Quarries, being a long time quarry operator in the Eastern Cape Province and because of a non-sensitive environment wherein the prospecting area is situated, will be able to comply with the provisions of section 22, 23 and 39 of the said Act.
3. Fort Beaufort is a very small town and the market for construction material is too limited to justify a fulltime hard rock operation and this is supported by the fact that for up to now all aggregate needs were satisfied by quarry operations from King Williams Town and Queenstown. The DMR is fully conversant of this fact. These large towns can barely support one quarry operation, especially during normal and poor climatic economic conditions and it is therefore uncertain on which economic assessment the DMR based its decision to potentially allow a second quarry concern in Fort Beaufort.
4. The application of Stutt Quarries to mine on farm 141 & 142 was only made possible because Stutt Quarries, after studying the potential aggregate market in Fort Beaufort, obtained a mobile crushing plant, which would make the Fort Beaufort operation profitable and this was highlighted in our mining permit application. If a second operation is developed next door, Stutt Quarries operation will be non-profitable and it will result in a severe financial loss, since Stutt Quarries needs this quarry to render the acquisition of the mobile crushing sustainable, a fact known to the DMR.
5. Stutt Quarries made it clear in our permit application that it wants to apply for a mining right after the market has been established and therefore was upfront about its commitment to a future Social & Labour Plan and the DMR's objective to involve PDP's in the mining sector. Stutt Quarries has already proved our willingness in this regard, but there would be no possibility to turn the permit application into a mining right application if the DMR allows a second quarry operation to operate next door, a fact that is known to the DMR.
6. Allowing a second quarry operation at present in Fort Beaufort will therefore not fulfill the objects of the Act as stipulated under section 2(d)(e)(f)(h)(i). It is therefore unclear on which basis the decision to accept a second application was taken, as sections 16 & 17 require that the provisions of section 2 must be studied prior to making any administrative decision.
7. Having the right to exercise sovereignty over the entire mineral and petroleum resources within the RSA means that the DMR ultimately takes full environmental, social and economic responsibility for handing out mineral and petroleum resources. With the nationalization of mineral and petroleum resources, the free market system has been removed and acceptance and approval of applications are based on the fulfillment of requirements as stipulated in the MPRDA and supporting documentation. Every decision of the DMR therefore needs to be based on adequate knowledge and research of the aforementioned fields and no decision may detrimentally affect the environment, existing social status of communities/persons/businesses and economic well being of communities/persons/businesses. This requirement has already been upheld in court in terms of distribution of petroleum resources and will be applicable to the mining industry; hence Stutt Quarries appeals to the

DMR to review its decision to accept the prospecting application of Amatola Quarries, since it will eventually cause a severe financial loss to the company.

8. In terms of section 3(3) the Minister must ensure the sustainable development of the RSA's mineral resources, which will not be achieved if a second quarry is developed next to the proposed Stutt Quarries operation, a fact that is known to the DMR.
9. If the prospecting application is accepted, this decision has not been taken within reasonableness as per section 6(1) of the MPRDA since it will detrimentally affect the application of Stutt Quarries; a fact that is known to the DMR.
10. Stutt Quarries, as a directly affected party, was not consulted by the DMR on the application within 14 days after the application was accepted as stipulated in section 10(2). The posting of a notice at court offices is inadequate since it is not accessed by the general public, except for non-law abiding citizens and is very distant to Stutt Quarries. Such process is in conflict with national as well as international principles on public participation. Was it not for the courtesy of the landowner, Stutt Quarries would have been refused the right to object, since Amatola Quarries has not consulted Stutt Quarries on the matter.

It is important that Stutt Quarries' objection must not be seen as an effort to remove competition in the aggregate market, since it has developed its other mining concerns within a sphere of healthy competition in the East London area. However it was only, through providing good service and excellent financial and technical control, able to survive in the very restricted Eastern Cape market. The Fort Beaufort market is, however, so restricted that even with these skills, the Stutt Quarry concern cannot survive if it has to compete with another quarry concern. This objection is therefore directed in preventing severe financial loss as well as preventing all our planning for Fort Beaufort being fruitless.

The DMR is conversant of Stutt Quarries' mining approach in that it absolutely complies with all provisions of the Act and that we run sustainable operations with regards to mine health & safety, environmental control and economic independency. Stutt Quarries plans a similar operation for Fort Beaufort with associated beneficiation projects, which will eventually lead to approximately 20 job opportunities. These opportunities will be lost if the DMR allows another quarry operation in Fort Beaufort at this point in time and we appeal for the decision to set aside the acceptance of the Amatola Quarries' prospecting application.

I trust that you will give this appeal serious consideration.

Yours sincerely



Craig Braun

Somerset Budget

**PUBLISHERS OF CRADOCK COURANT, MIDDELBURG COURANT,
SOMERSET BUDGET, WINTERBERG NUUS, FORT BEAUFORT ADVOCATE**

A popular bi-lingual weekly Newspaper

Excellent advertising medium for the East Cape Midlands

Datum / Date: 12-02-10

AAN:
TO:

DAUZO

INSAKE:
IN THE MATTER OF:

NOTICE

BOODSKAP:
MESSAGE:

HEREWITH COPY OF YOUR NOTICE

WHICH WERE PLACED IN OUR NEWSPAPER.

KIND REGARDS RIAAN VAN DER WALT

Getal bladsye met inbegrip van hierdie een:
Number of pages including this one:

2

Day 11. Februarie 2010

NOTICE**OF APPLICATION FOR A PROSPECTING
RIGHT FOR INDUSTRIAL MINERALS
(CONSTRUCTION AGGREGATE) ON THE FARM
: 202 FORT BEAUFORT DISTRICT IN THE
EASTERN CAPE PROVINCE**

You are hereby notified as a possible Interested and Affected Party that the Department Mineral Resources (Eastern Cape) has accepted this application for a Prospecting Right over the abovementioned property.

Locality

The farm is located 6-7km south-west of Fort Beaufort, south of the R63 road and immediately south of the rail-line to Bedford.

Applicant and Legislation

The Prospecting Right application was submitted by the applicant: Amatola Quarry Products cc, in accordance with Section 16 of the Mineral and Petroleum Resources Development Act (MPRDA) (Act 20 of 2002) to allow for the prospecting of industrial minerals (construction aggregate) over Farm 202.

Prospecting Activities

Prospecting will be conducted intermittently over a 12-month period beginning with surface geological mapping conducted on foot followed by the drilling of dry percussion drill holes using an hydraulic percussion drilling rig mounted on a low-bed truck which will drive the rig through the veld without any road construction but using existing farm tracks wherever possible.

When off-truck drilling is needed the rig will move on its own self-propelled tracks with very limited disturbance of the surface. The dry rig will require no water for drilling and is equipped with a dry cyclone dust bagging system resulting in negligible environmental impact.

As geological mapping will determine drill-hole positions and limited shallow trial-pitting by digger loader, the locality of drill holes and trial-pits will only become known during the Prospecting Programme.

A copy of the Prospecting, Environmental Management Plan will later become available should you be interested.

Interested and Affected Parties

You are further notified that should you have any objection to and/or comment on the application for prospecting or desire to receive further information, that such comment/request together with your full contact details, be forwarded to:

Site Plan Consulting: P O Box 28, Strand, 7139 or
Fax: 021-854 4321 and/or email
david@siteplan.co.za.

For additional information please contact David Cotton at Telephone No: 021-854 4260

All objections/comments are to be in writing and reach the office of Site Plan Consulting not later than 25th February 2010.

Any objections that you may have will be passed on to the Department Mineral Resources, Private Bag X6067, Port Elizabeth, 6000.

cc

NOTICE

OF APPLICATION FOR A PROSPECTING RIGHT FOR INDUSTRIAL MINERALS (CONSTRUCTION AGGREGATE) ON THE FARM : 202 FORT BEAUFORT DISTRICT IN THE EASTERN CAPE PROVINCE

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Site Plan Consulting: P O Box 28, Strand, 7139 or Fax: 021-854 4321 and/or email david@siteplan.co.za.

For additional information please contact David Cotton at Telephone No: 021-854 4260

All objections/comment are to be in writing and reach the office of Site Plan Consulting not later than 25th February 2010.

Any objections that you may have will be passed on to the Department Mineral Resources, Private Bag X6067, Port Elizabeth, 6000.

Annexure B : Archaeological Heritage Impact Assessment

Annexure B : Archaeological Heritage Impact Assessment

**A LETTER OF RECOMMENDATION (WITH CONDITIONS) FOR THE
EXEMPTION OF A FULL PHASE 1 ARCHAEOLOGICAL HERITAGE
IMPACT ASSESSMENT FOR THE PROPOSED STONE QUARRY ON A
PORTION OF THE FARM MOUNT AYLIFF NO. 202, FORT BEAUFORT,
AMATHOLE DISTRICT, EASTERN CAPE PROVINCE**

Prepared for: Site Plan Consultants

Contact person: Mr S. van der Westhuizen

P.O. Box 28

Strand

6070

Tel.: 021 854 4260

Fax: 021 854 4321

Email: david@siteplan.co.za

Compiled by: Dr Johan Binneman

On behalf of: Eastern Cape Heritage Consultants

P.O. Box 689

Jeffrey's Bay

6330

Tel: 042 962096

Cell: 0728006322

email: kobusreichert@yahoo.com

Date: February 2009

PROJECT INFORMATION

Registration No.:

The type of development

The proposed development will include the mining of stone. The size of the mine is still to be determined.

The Developer

Amatola Quarry Products cc
P.O. Box 153
Komgha
4950
Tel: 043 8311198
Fax: 043 8311201
Cell: 083 4517768

The Consultant

Site Plan Consultants
Contact person: Mr S. van der Westhuizen
P.O. Box 28
Strand
6070
Tel.: 021 854 4260
Fax: 021 854 4321
Email: david@siteplan.co.za

TERMS OF REFERENCE

The original proposal was to conduct a Phase 1 Archaeological Heritage Impact Assessment of the proposed mining of stone on a portion of the farm Mount Ayliff No. 202, Fort Beaufort, Amathole District, Eastern Cape Province; to describe and evaluate the importance of possible archaeological heritage sites, the potential impact of the development and to make recommendations to minimize possible damage to these sites.

DESCRIPTION OF THE PROPERTY

Map: 1:50 000 – 3226 DC Fort Beaufort

Location data

The proposed mining of stone on a portion of the farm Mount Ayliff No. 202, Fort Beaufort, Amathole District, is situated approximately 8 kilometres west of Fort Beaufort close (south) to the R63 and the railway line between Fort Beaufort and Adelaide (Maps 1-2). GPS readings were taken using a Garmin Plus II at 32.47.992S; 26.32.463E and 32.47.940S; 26.32.524E.

ARCHAEOLOGICAL INVESTIGATION

Methodology

The investigation was conducted by two people on foot. The proposed area for the stone quarry is situated next to the railway line and close to the R63 between Fort Beaufort and Adelaide, some 8 km west of Fort Beaufort. The proposed area for sandstone mining is located next (east) to an old quarry on a relatively flat hilltop. Low dense grass and patches of scrubs and thorn trees covers a thin layer of topsoil which overlies the sandstone deposit (Figs 1-6). The top soil overlying the sandstone deposit is shallow and does not allow for Iron Age archaeological features, such as grain pits, hut floors and cattle kraals. No archaeological sites/materials were found during the survey. In general it would appear unlikely that any archaeological heritage remains of any value will be found *in situ* or of any contextual value will be exposed during the development.



Figs 1-6. Different views of the proposed property for stone mining. The previous quarry (top) and the new area to be mined (bottom). The red arrows indicate the location of the new mining area.

Conditions

Although it is unlikely that any archaeological heritage remains of any value will be found *in situ* or of any contextual value, there is always a possibility that human remains and/or other archaeological and historical material may be uncovered during the development. Such material must be reported to the nearest museum, archaeologist or to the South African Heritage Resources Agency (SAHRA) if exposed, so that a systematic and professional investigation can be undertaken. Sufficient time should be allowed to remove/collect such material (See Appendix A for a list of possible archaeological sites that maybe found in the area).

LETTER OF RECOMMENDATION

It is recommended that the proposed mining of stone on a portion of the farm Mount Ayliff No. 202, Fort Beaufort, Amathole District, Eastern Cape Province is exempted from a full Phase 1 Archaeological Heritage Impact Assessment. The proposed area for development is of low cultural sensitivity and it is believed that it is unlikely that any archaeological heritage remains will be found on the property. The proposed development may proceed as planned.

Note: This letter of recommendation **only** exempts the proposed development from a full Phase 1 Archaeological Heritage Impact Assessment, but **not** for other heritage impact assessments.

It must also be clear that this letter of recommendation for exemption of a full Phase 1 archaeological heritage impact assessment will be assessed by the relevant heritage resources authority. The final decision rests with the heritage resources authority, which should give a permit or a formal letter of permission for the destruction of any cultural sites.

The National Heritage Resources Act (Act No. 25 of 1999, section 35) requires a full Heritage Impact Assessment (HIA) in order that all heritage resources, that is, all places or objects of aesthetics, architectural, historic, scientific, social, spiritual linguistic or technological value or significance are protected. Thus any assessment should make provision for the protection of all these heritage components, including archaeology, shipwrecks, battlefields, graves, and structures older than 60 years, living heritage, historical settlements, landscapes, geological sites, palaeontological sites and objects.

GENERAL REMARKS AND CONDITIONS

It must be emphasised that this letter of recommendation for exemption of a full Phase 1 archaeological heritage impact assessment is based on the visibility of archaeological sites/material and may not therefore, reflect the true state of affairs. Sites and material may be covered by soil and vegetation and will only be located once this has been removed. In the unlikely event of such finds being uncovered, (during any phase of construction work), archaeologists must be informed immediately so that they can investigate the importance of the sites and excavate or collect material before it is destroyed (see attached list of possible archaeological sites and material). The *onus* is on the developer to ensure that this agreement is honoured in accordance with the National Heritage Act No. 25 of 1999.

APPENDIX A: IDENTIFICATION OF ARCHAEOLOGICAL FEATURES AND MATERIAL FROM INLAND AREAS: guidelines and procedures for developers

1. Identification of Iron Age archaeological features and material

- Upper and lower grindstones, broken or complete. Later Iron Age lower and upper grindstones/rubbers will be pitted.
- Circular hollows - sunken soil, would indicate storage pits and often associated with grindstones.
- Ash heaps, called middens, with cultural remains and food waste such as bone.
- Khaki green soils would indicate kraal areas.
- Baked clay/soil blocks with or without pole, stick and grass impression marks indicate hut structures.
- Clay/ceramic potsherds, decorated or plain.
- Iron slag and/or blowpipes indicate iron working.
- Human remains may also be associated with khaki green soils.
- Metal objects and ornaments.

2. Human Skeletal material

Human remains, whether the complete remains of an individual buried during the past, or scattered human remains resulting from disturbance of the grave, should be reported. In general the remains are buried in a flexed position on their sides, but are also found buried in a sitting position with a flat stone capping or in ceramic pots. Developers are requested to be on the alert for these features and remains.

3. Fossil bone

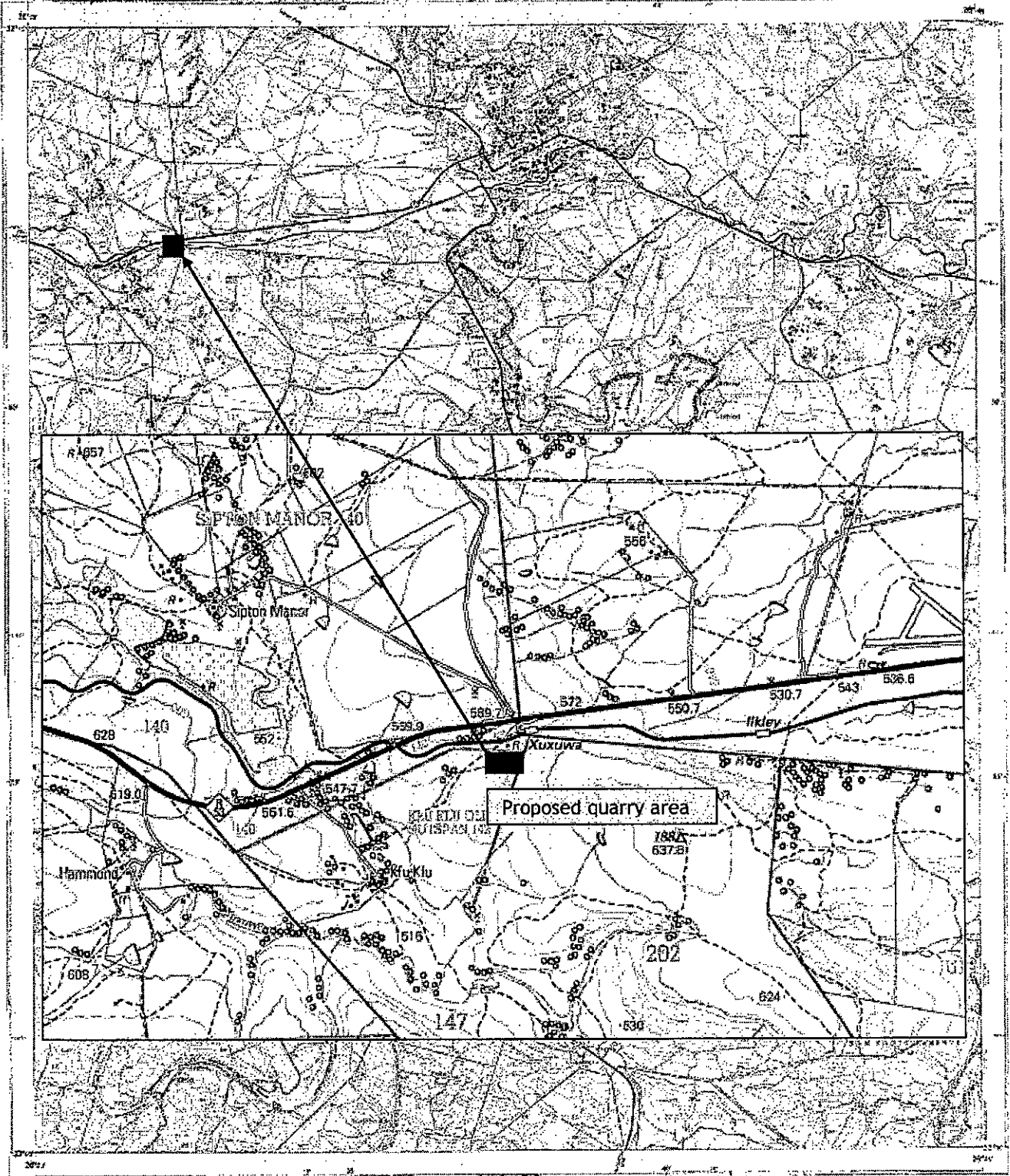
Fossil bones may be found embedded in deposit at the sites. Any concentrations of bones, whether fossilized or not, should be reported.

4. Stone artefacts

These are difficult for the layman to identify. However, large accumulations of flaked stones which do not appear to have been distributed naturally should be reported. If the stone tools are associated with bone remains, development should be halted immediately and archaeologists notified.

5. Historical artefacts or features

These are easy to identified and include foundations of buildings or other construction features and items from domestic and military activities.



Map 1. 1:50 000 maps indicating the location of the proposed stone quarry.



Map 2. Aerial views of the location of the proposed stone quarry.

Annexure C : Palaeontological Impact Assessment

Annexure C : Palaeontological Impact Assessment

Application for prospecting on Farm 202, Fort Beaufort District, Amatole District Municipality, Eastern Cape

John E. Almond PhD (Cantab.)
Natura Viva cc, PO Box 12410 Mill Street,
Cape Town 8010, RSA
naturaviva@universe.co.za

January 2010

1. SUMMARY

The proposed prospecting area lies c. 10km southwest of Fort Beaufort within the outcrop area of the Lower Beaufort Group (Adelaide Subgroup). These Late Permian fluvial sediments contain a rich fossil biota assigned to the *Cistecephalus* Assemblage Zone, notably a range of terrestrial groups such as therapsids and pareiasaurs. Fossils have been recorded in the Fort Beaufort area since the 1830s when Andrew Geddes Bain collected near this town the first scientifically described specimens of two-tusked dicynodont therapsids ("bidentals") and pareiasaur reptiles (the famous "Blinkwater Monster" specimen). The Lower Beaufort Group sediments in the study area therefore have an overall high palaeontological sensitivity. The impact of geological prospecting itself on local fossil heritage is likely to be very low, and no further palaeontological mitigation is recommended for this phase. However, should mining of Beaufort Group bedrock be approved, then SAHRA should be notified and a professional palaeontologist commissioned to undertake appropriate palaeontological mitigation before mining commences.

2. INTRODUCTION & BRIEF

An application for prospecting rights for Farm 202, Fort Beaufort District (Eastern Cape Province) has been made by Amatola Quarry Products cc, PO Box 153, Komgha, Eastern Cape. The prospecting area (Fig. 1) overlies potentially fossiliferous bedrock of the Beaufort Group. A desktop palaeontological heritage impact study has therefore been commissioned by Mr Roy Hagemann of Amatola Quarry Products cc.

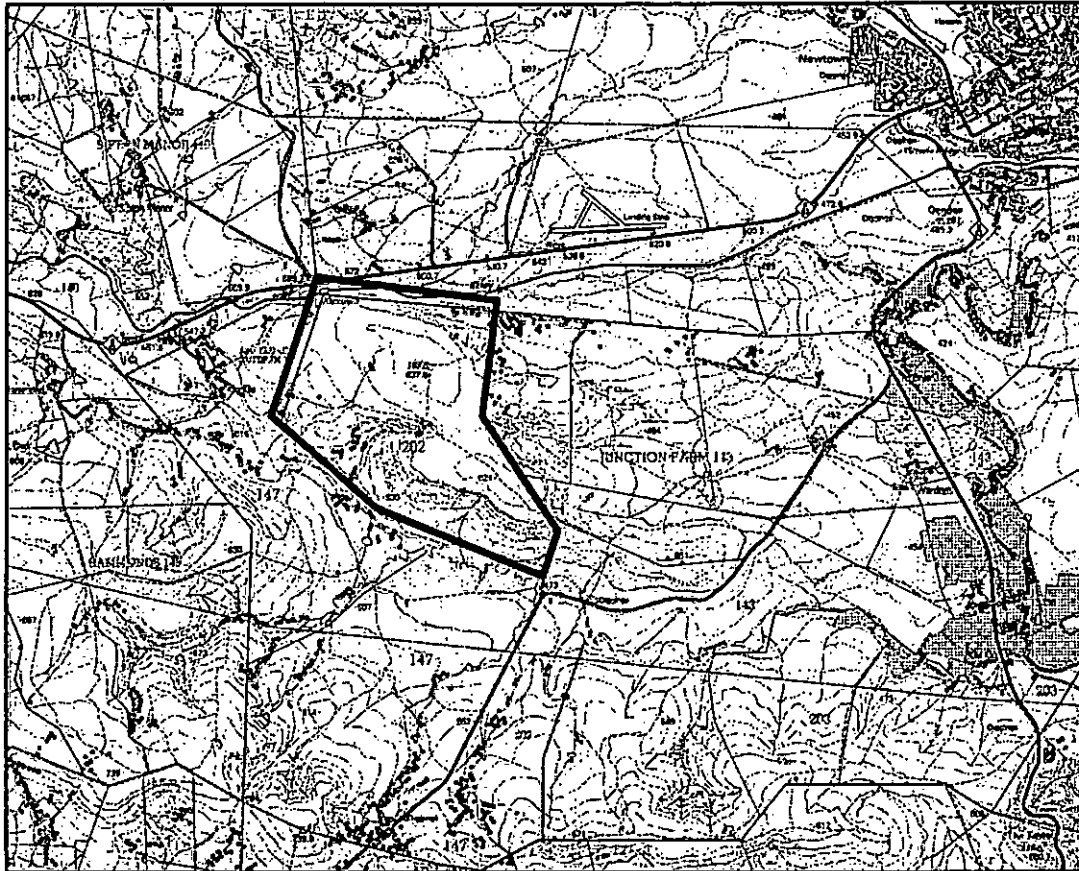


Fig. 1. Approximate extent of study area, Farm 202 c. 10km southwest of Fort Beaufort, Eastern Cape (Abstracted from 1: 50 000 map 3226 DC, courtesy of the Chief Directorate of Surveys and Mapping, Mowbray)

3. GEOLOGICAL BACKGROUND

As shown on the 1: 250 000 geological map sheet 3226 King William's Town (Fig. 2), the Fort Beaufort area overlies Late Permian rocks of the Lower Beaufort Group (Adelaide Subgroup), in particular the **Balfour Formation** (Johnson *et al.*, 2006). According to the sheet explanation (printed on the map itself), this formation is some 2150m thick north of Fort Beaufort. The fluvial Balfour Formation comprises recessive weathering, grey to greenish-grey overbank mudrocks with subordinate resistant-weathering, grey, fine-grained channel sandstones deposited by large meandering river systems in the Late Permian Period. Thin wave-rippled sandstones were laid down in transient playa lakes on the flood plain. Reddish mudrocks are comparatively rare, but increase in abundance towards the top of the Adelaide Subgroup succession near the upper contact with the Katberg Formation. The base of the Balfour succession is defined by a sandstone-rich zone, some 50m thick, known as the **Oudeberg Member**.

Dips of Beaufort Group sediments in the study region are generally shallow ($< 10^\circ$), with small-scale E-W fold axes mapped to the south of Fort Beaufort, so low levels of tectonic deformation and cleavage development are expected here (favouring fossil preservation). To the north and south of the study area the Beaufort Group sediments are extensively intruded by major intrusions of the **Karoo Dolerite Suite** (Jd) of Early Jurassic age (c. 183

Ma). These will have thermally metamorphosed (baked) and altered the adjacent country rocks.



Fig. 2. Extract from 1: 250 000 geology sheet 3226 King William's Town showing approximate location of the study area c. 10km SW of Fort Beaufort. Pale green = Lower Beaufort Group (Pum = Middleton Fm, Pub = Balfour Fm) Dark brown = Karoo Dolerite Suite intrusions.

4. PALAEOONTOLOGICAL HERITAGE

The overall palaeontological sensitivity of the Beaufort Group sediments is *high* (Almond *et al.* 2008). These continental sediments have yielded one of the richest fossil records of land-dwelling plants and animals of Permo-Triassic age anywhere in the world. A chronological series of mappable fossil biozones or assemblage zones (AZ), defined mainly on their characteristic tetrapod faunas, has been established for the Main Karoo Basin of South Africa (Rubidge 1995). Maps showing the distribution of the Beaufort assemblage zones within the Main Karoo Basin have been provided by Keyser and Smith (1979) and Rubidge (1995). The maps in the first publication do not extend as far east as the study area, whereas the biozone map of Rubidge (1995, fig. 1) shows that Fort Beaufort and the study area lie within the *Cistecephalus* Assemblage Zone (= upper *Cistecephalus* Biozone or *Aulacephalodon-Cistecephalus* Assemblage Zone of earlier authors; see table 2.2 in Hill 1993). This biozone corresponds to the lowermost subunit of the Balfour Formation, the Oudeberg Member, as well as to the upper portion of the underlying Middleton Formation (*ibid.*, fig. 3. NB The precise stratigraphic level within the Lower Beaufort Group of the prospecting area involved here would need to be confirmed

in the field). The *Cistecephalus* Assemblage Zone has been assigned to the Wuchiapingian Stage of the Late Permian Period, with an approximate age range of 260-254 million years (Rubidge 2005).

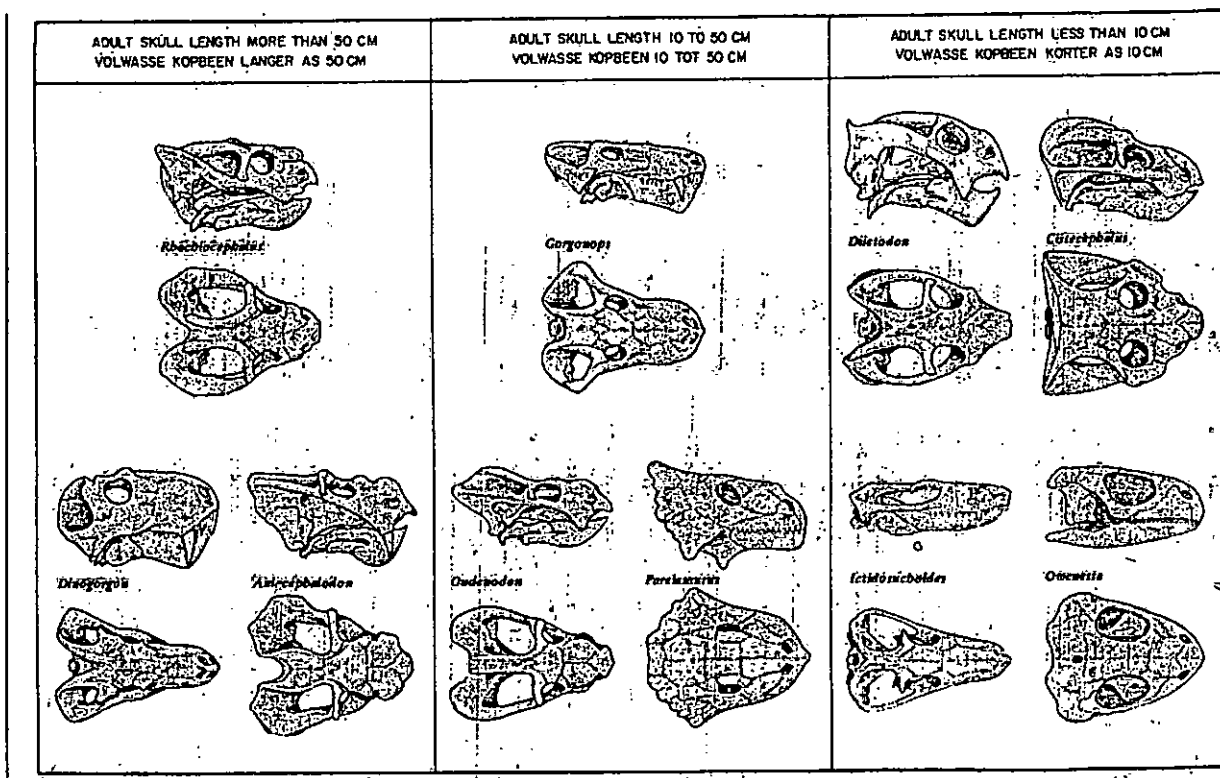


Fig. 3. Skulls of characteristic fossil vertebrates from the *Cistecephalus* Assemblage Zone (From Keyser & Smith 1979). *Pareiasaurus*, a large herbivore, and *Owenetta*, a small insectivore, are true reptiles. The remainder are therapsids or “mammal-like reptiles”. Of these, *Gorgonops* and *Dinogorgon* are large flesh-eating gorgonopsians, *Ictidosuchoides* is an insectivorous therocephalian, while the remainder are small – to large-bodied herbivorous dicynodonts.

The following major categories of fossils might be expected within *Cistecephalus* AZ sediments in the study area (Keyser & Smith 1979, Anderson & Anderson 1985, Hill 1993, Smith & Keyser in Rubidge 1995, MacRae 1999, Cole *et al.*, 2004, Almond *et al.* 2008):

- isolated petrified bones as well as rare articulated skeletons of **terrestrial vertebrates** such as true **reptiles** (notably large herbivorous pareiasaurs, small insectivorous owenettids) and **therapsids** or “mammal-like reptiles” (eg diverse herbivorous dicynodonts, flesh-eating gorgonopsians, and insectivorous therocephalians) (Fig. 3)
- aquatic vertebrates such as large **temnospondyl amphibians** (*Rhinesuchus*, usually disarticulated), and **palaeoniscoid bony fish** (*Atherstonia*, *Namaichthys*, often represented by scattered scales rather than intact fish)
- freshwater **bivalves** (*Palaeomutela*)
- **trace fossils** such as worm, arthropod and tetrapod burrows and trackways, coprolites (fossil droppings)

- vascular plant remains including leaves, twigs, roots and petrified woods ("Dadoxylon") of the *Glossopteris* Flora (usually sparse, fragmentary), especially glossopterid trees and arthropytes (horsetails).

As far as the biostratigraphically important tetrapod remains are concerned, the best fossil material is generally found within overbank mudrocks, whereas fossils preserved within channel sandstones tend to be fragmentary and water-worn (Rubidge 1995, Smith 1993). Many fossils are found in association with ancient soils (palaeosol horizons) that can usually be recognised by bedding-parallel concentrations of calcrete nodules.

As a consequence of their proximity to large dolerite intrusions in the Great Escarpment zone, the Beaufort Group sediments in the study area might have been thermally metamorphosed or "baked" (ie. recrystallised, impregnated with secondary minerals). Embedded fossil material of phosphatic composition, such as bones and teeth, is frequently altered by baking – bones may become blackened, for example - and can be very difficult to extract from the hard matrix by mechanical preparation (Smith & Keyser, p. 23 in Rubidge 1995). Thermal metamorphism by dolerite intrusions therefore tends to reduce the palaeontological heritage potential of Beaufort Group sediments.

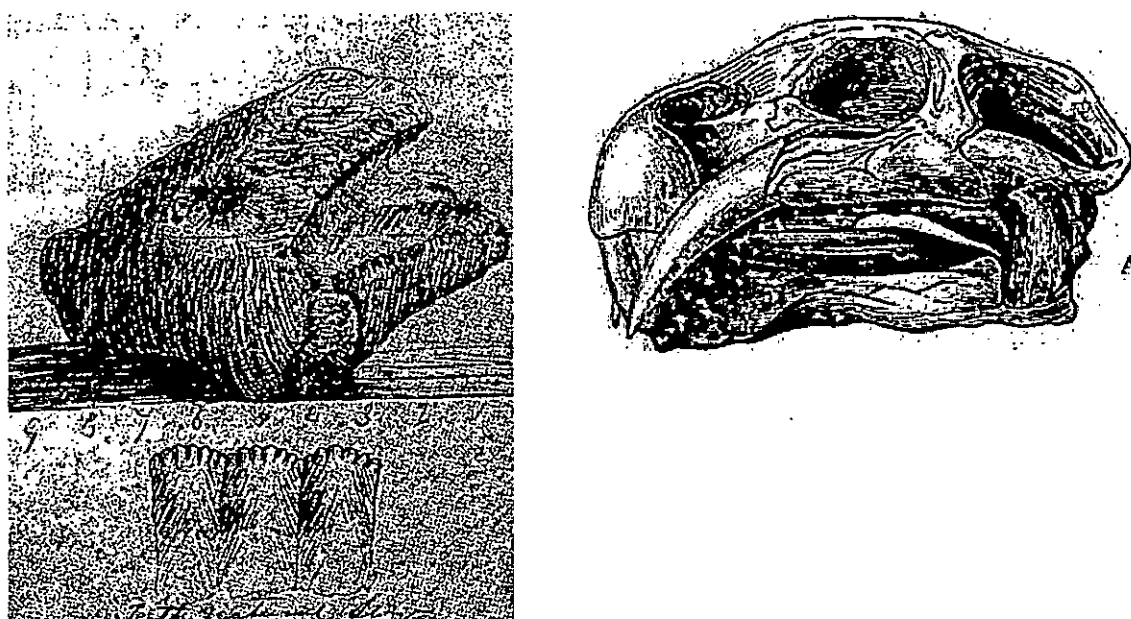


Fig. 4. Two famous fossil skulls collected by Andrew Geddes Bain from the Lower Beaufort Group near Fort Beaufort: LHS – the "Blinkwater Monster" skull, type specimen of the reptilian genus *Pareiasaurus*, described by Richard Owen in 1876. RHS - the type specimen of the first dicynodont therapsid, *Dicynodon*, described by Owen in 1845.

From the point of view of the early history of palaeontology in South Africa, the Fort Beaufort area of the Eastern Cape occupies a very special place. It was close to this town in the 1830s that the pioneering amateur geologist and palaeontologist Andrew Geddes Bain discovered not only the first "bidental" or dicynodont therapsid (*Dicynodon*) to be scientifically named but also the first pareiasaur reptile (*Pareiasaurus*. See Fig. 4 herein and the interesting account in MacRae 1999, pp. 6-7). Both taxa were described and named by the outstanding Victorian palaeontologist Professor Richard Owen, based in

London. Bain's *Pareiasaurus* skull was the famous "Blinkwater Monster" specimen that he discovered just north of Fort Beaufort. Bain suggested to the local church elders, tongue-in-cheek, that these were the remains of an animal that fell out of Noah's Ark as it was floating overhead during the biblical Flood.

5. CONCLUSIONS & RECOMMENDATIONS

The Lower Beaufort Group sediments in the study area have an overall high palaeontological sensitivity, especially in terms of the rich vertebrate fauna that has been recorded from these rocks. The impact of geological prospecting itself on local fossil heritage is likely to be very low, and no further palaeontological mitigation is recommended for this phase. However, should mining of Beaufort Group bedrock be approved, then SAHRA should be notified and a professional palaeontologist commissioned to undertake appropriate mitigation. This would probably take the form of a scoping and sampling study before mining commences.

6. ACKNOWLEDGEMENTS

Mr Roy Hagemann of Amatola Quarry Products cc, Komgha, is thanked for commissioning this study and for kindly providing the necessary background information.

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QUALIFICATIONS & EXPERIENCE OF THE AUTHOR

Dr John Almond has an Honours Degree in Natural Sciences (Zoology) as well as a PhD in Palaeontology from the University of Cambridge, UK. He has been awarded post-doctoral research fellowships at Cambridge University and in Germany, and has carried out palaeontological research in Europe, North America, the Middle East as well as North and South Africa. For eight years he was a scientific officer (palaeontologist) for the Geological Survey / Council for Geoscience in the RSA. His current palaeontological research focuses on fossil record of the Precambrian - Cambrian boundary and the Cape Supergroup of South Africa. He has recently written palaeontological reviews for several 1: 250 000 geological maps published by the Council for Geoscience and has contributed educational material on fossils and evolution for new school textbooks in the RSA.

Since 2002 Dr Almond has also carried out palaeontological impact assessments for developments and conservation areas in the Western, Eastern and Northern Cape under the aegis of his Cape Town-based company *Natura Viva* cc. He is a long-standing member of the Archaeology, Palaeontology and Meteorites Committee for Heritage Western Cape (HWC) and an advisor on palaeontological conservation and management issues for the Palaeontological Society of South Africa (PSSA), HWC and SAHRA. He is currently compiling technical reports on the provincial palaeontological heritage of Western, Northern and Eastern Cape for SAHRA and HWC. Dr Almond is an accredited member of PSSA and APHAP (Association of Professional Heritage Assessment Practitioners – Western Cape).

Annexure D : Full List of Co-ordinates for Riverine Boundary

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Annexure D : Full List of Co-ordinates for Riverine Boundary



AMATOLA QUARRY PRODUCTS CC:
 Attention: Kenneth Peter Hageman
 P O Box 153

 Komga
 South Africa
 4950

Application No:
 D/2009/12/15/001
 Application Type:
 B: NEW PROSPECTING RIGHT
 Date:
 12/15/2009 3:34:13 PM

Eastern Cape Region

Applicant Information

Applicant: AMATOLA QUARRY PRODUCTS CC
 TradingAs: Amatola Quarry Products
 ID/Registration No: 199600007323
 Applicant Type: CC.

Is the Applicant a person owned by an individual who is a member of a company or trust?

None

Contact Person and correspondence Address

Person: Attention: Kenneth Peter Hageman
 Branch/Division:
 Postal Address: P O Box 153
 Suburb:
 District: Great Kei Local Municipality
 Town/City: Komga
 Province: Eastern Cape
 Country: South Africa
 Postal Code: 4950
 Tel No: 0438311225
 Fax No: 0438311201
 Cell No:
 E-mail: amatola.quarry@gmail.com

Relevant Physical Address

Building Name:
 Building Number:
 Street Number:
 Street Name:
 Street Name Cnr:
 Street Type:
 Suburb:
 Town/City:
 District:
 Province:
 Country: South Africa

Coordinates



Coordinates

	X	Y
1	26.5627879	-32.799713
2	26.561617	-32.810693
3	26.566015	-32.81648
4	26.570509	-32.821919
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6	26.567844	-32.829287
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8	26.567109	-32.829082
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58	26.541649	-32.799133
59	26.541947	-32.798235
60	26.5627879	-32.799713

Farm Portions

Farm name:

FARM 202
PAAPKUILS FONTEN

Farm number:

202
147

Sub division name:

SG21 code:

C0250000000020200000
C0250000000014700000

Basic Commodity

Commodity	Code	Type	Type Code
AGGREGATE	RM	Industrial minerals	1

Method: Opencast Mine

Operation:

Renewal Reason:

Alloted No:

Old Order Right No:

Summary:

Part 2 - Applicant (d)

Applicant: KENNETH PETER HAGEMANN
Capacity: MANAGING MEMBER
Place: KOMGA
Date: 12/10/2009

Attachments

- Yes A Details of the land or area applied for
- Yes B Prospecting work programme
- Yes C Financial and technical competence
- Yes D Title Deed(s) in respect of land
- Yes E Existing rights and past compliance
- Yes F Prescribed Fee
- No G Copy of identity document
- Yes H Certified copy of incorporation
- No I Certified copy to commence business
- Yes J Copy of Resolution, if acting in a representative capacity
- Yes Z Co-ordinates in digital format (ASCII)

This document serves to confirm that the information received and processed by DME is true and correct. Please sign and return this form to DME. Upon receipt of this, the information will be deemed correct.

Applicant Name K.P. Hagemann Sign [Signature] Date 13/01/2010

Contact Number 0438311198

DME Officer Name S. LUKWENGA Sign [Signature] Date 18/12/2009

Annexure E : Induction Environmental Training

Annexure E : Induction Environmental Training

INDUCTION TRAINING

Environmental management is a team effort. All management and staff are responsible for avoiding environmental damage and ensuring good environment management.

The keys to achieving this are:

- Being aware of the environment and the need to protect it
- Understanding and recognising the things to protect and the do's and don'ts
- Knowing the reporting procedure
- Taking pride in good environmental housekeeping

Legal Requirements

- Requirement of the MPRDA (the new Minerals and Petroleum Resources Development Act)
 - to have an EMP (Environmental Management Plan)

(show the document to all staff in the induction and briefly note the items it covers)

- Additional laws
 - National Water Act
 - use of water
 - discharge of sewage
 - control of Surface water
 - avoidance of groundwater contamination by oils, sewage or other
 - National Environment Management Act

The target is a good result in Environmental Performance Assessments which must be conducted and reported to the Department of Minerals and Energy

Why do you need Environmental Management?

It is an integral part of normal good management (Good Housekeeping) on the prospecting site, together with

- Safety
- Efficiency (Productivity)
- Planning (specific activities in specific areas)

The site is part of the larger environment:

- Alien vegetation control
- Poaching and theft of livestock and produce
- Care in the use of chemicals or poisons
- The farm/s which is/are the owner's source of income

Vegetation and Soil Sensitivity. Despite not having a sensitive classification by the Botanical Institute your attention is drawn to the importance of preserving vegetation for the following reasons:

- Loss of vegetation leads to erosion by water and wind and that leads to loss of topsoil which then prevents any effort to re-establish vegetation and as a result there will be permanent loss of grazing
- Any vegetation has a botanical value
- Heritage value for future generations (our children) - Despite looking like a semi-desert "dorre" area

Staff must be made aware of the relative sensitivity of the valley thicket. Even though no invasive prospecting is contemplated in these areas, there is still potential for disturbance by staff members who drive or access the veld in an irresponsible manner.

Integration of the prospecting with surrounding land uses and the need to limit :

- Overall disturbance to a minimum (this is a most critical factor)
 - Poaching or hunting : Do not steal sheep or hunt animals as this will be reported to the police as a criminal offence
 - Dust
 - Water pollution run-off
 - No access to no-go areas - very critical
- Must rehabilitate to pre- disturbed quality

Who does the damage to the Environment?

a) Management does damage:

- (i) by not being fully informed themselves of the content of the EMP and other decisions/controls
- (ii) by not informing the staff of proper procedure and the environmental consequences of incorrect activities
- (iii) by not conducting regular monitoring
- (iv) by not developing their own personal sensitivity to environmental impact

b) Equipment Operators do damage :

- (i) by driving equipment or moving items like pipes or cables outside of demarcated roadways, movement areas. **NB: Always stay in roadways !!!**
- (ii) by dumping material in veld (outside of demarcated areas)
- (iii) by beginning to move material or dump other material before topsoil has been removed

- (iv) By not reacting and immediately reporting fuel or oil or hydraulic fluid leaks
- c) General Staff:**
- (i) Use of the veld as a toilet (NOT ALLOWED)
 - (ii) Littering with lunch wrappings, bottles, cigarette packets etc
 - (iii) Short-cut walking paths through veld which we want to keep natural
 - (iv) Causing of fire or failure to report fire or threat of fire as soon as it is seen

What the Staff should be aware of to look out for:

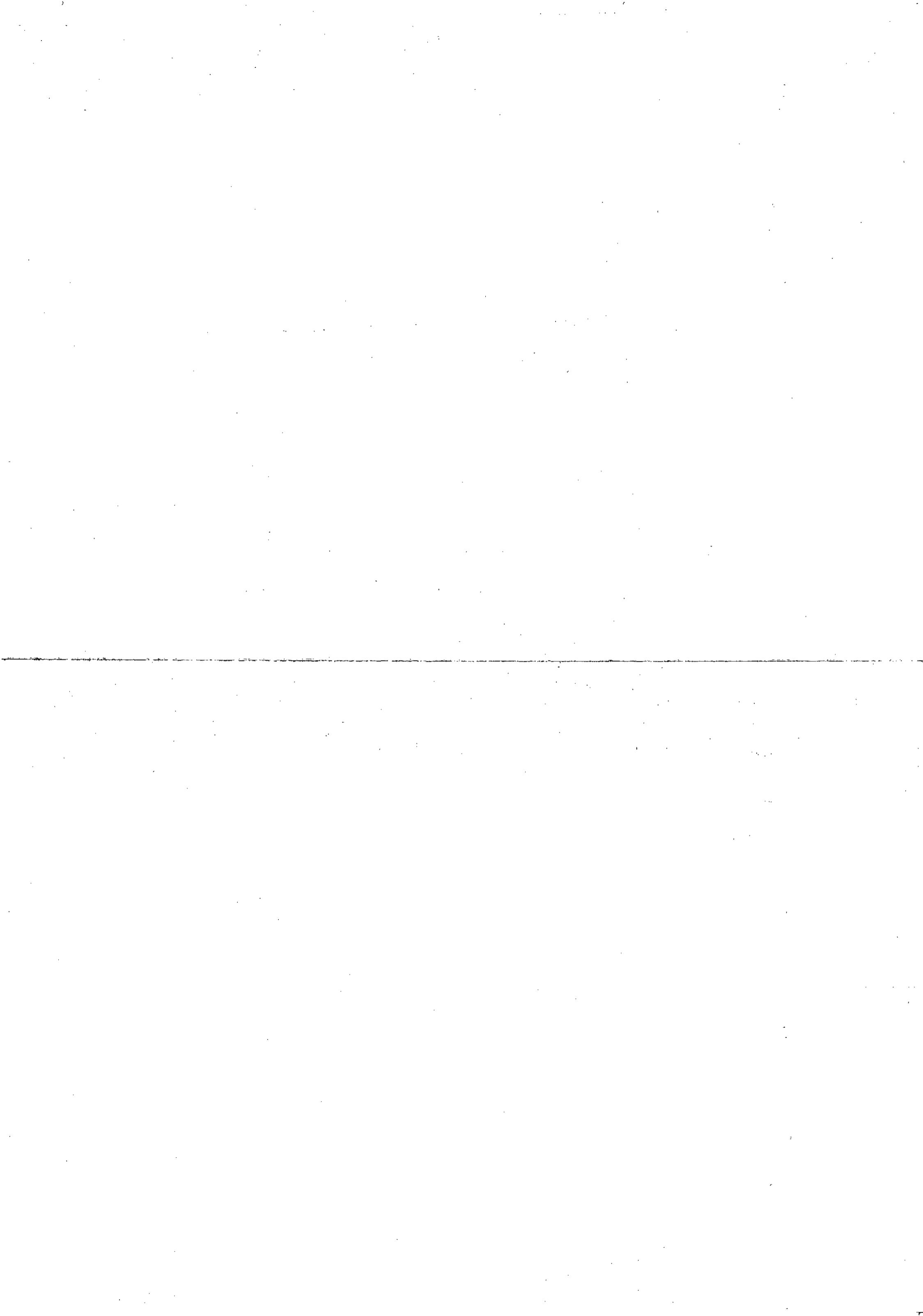
- Allocated storage or dump areas
 - Don't dump anywhere else!!
 - If in doubt ask first!!
- No-go areas: Especially white quartz hills
 - Don't enter these areas and don't drive into them
- Recognise natural veld areas and
 - Don't disturb them
 - Don't drive into them
 - Don't walk through them
 - Don't use them as toilet areas
 - Do not dig plants out of the veld to take home or sell
- Recognise alien vegetation
 - Ask about the procedure to control each type
- Oil, fuel or hydraulic leaks
 - As soon as you see these, report them to the operator or the foreman/manager
- Report littering
- Recognise soil erosion and report it
- Recognise silt/mud run-off and report it
- Recognise (know the difference between) domestic waste and industrial waste and use correct bins for oil/fuel polluted items
- Know the refuelling and oil change procedure if you are involved in it to know how to avoid pollution
- Recognise the threat of fire
- Immediately report any threat of fire or fire if seen

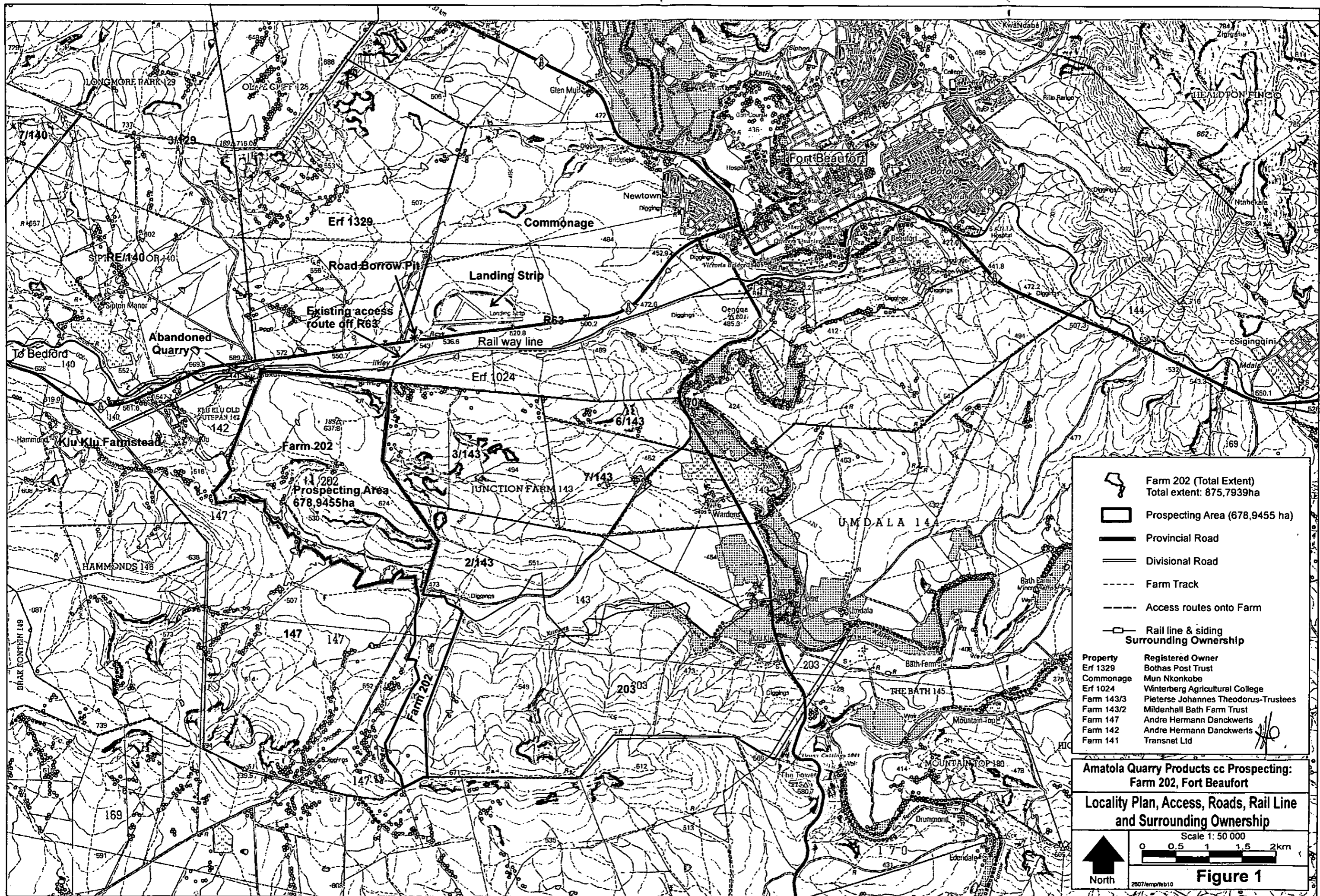
Other environmental incidents reporting procedure









These include littering, silt run-off, erosion etc. Report these at end of shift or lunch time to supervisor / manager

Penalties for Environmental Damage

- Fines
- Conditions of employment contract





-  Farm 202 (Total Extent)
Total extent: 875,7939ha
-  Prospecting Area (678,9455 ha)
-  Provincial Road
-  Divisional Road
-  Farm Track
-  Access routes onto Farm
-  Rail line & siding
-  Surrounding Ownership

Property	Registered Owner
Erf 1329	Bothas Post Trust
Commonage	Mun Nkonkobe
Erf 1024	Winterberg Agricultural College
Farm 143/3	Pieterse Johannes Theodorus-Trustees
Farm 143/2	Mildenhall Bath Farm Trust
Farm 147	Andre Hermann Danckwerts
Farm 142	Andre Hermann Danckwerts
Farm 141	Transnet Ltd

**Amatola Quarry Products cc Prospecting:
Farm 202, Fort Beaufort**

**Locality Plan, Access, Roads, Rail Line
and Surrounding Ownership**

Scale 1: 50 000



Figure 1



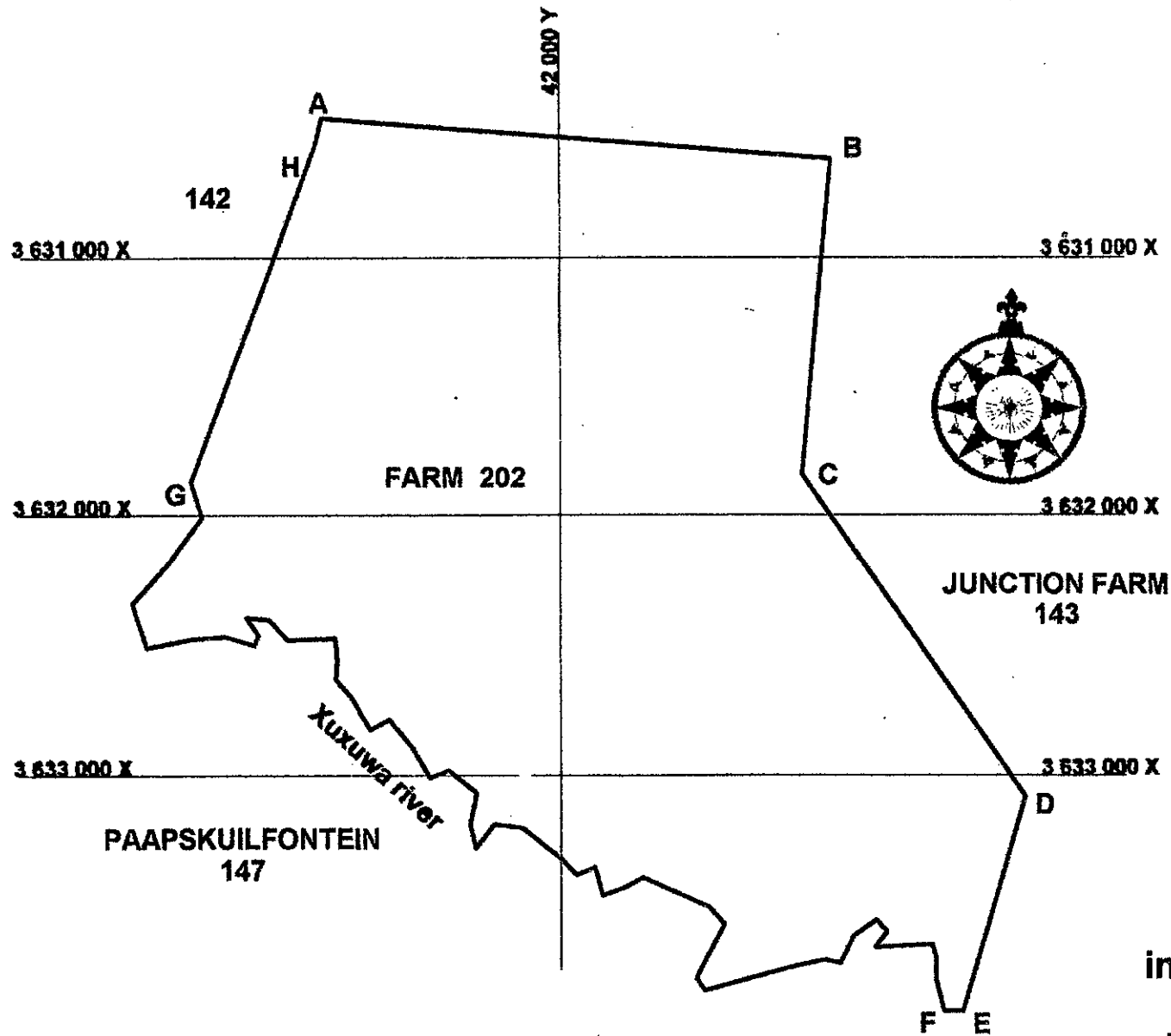
2007/emp/feb10

The digitised co-ordinates in respect of the significant terminal points as well as the areas are not necessary accurate and are subject to confirmation by land survey, unless cross referenced to SG Diagrams.

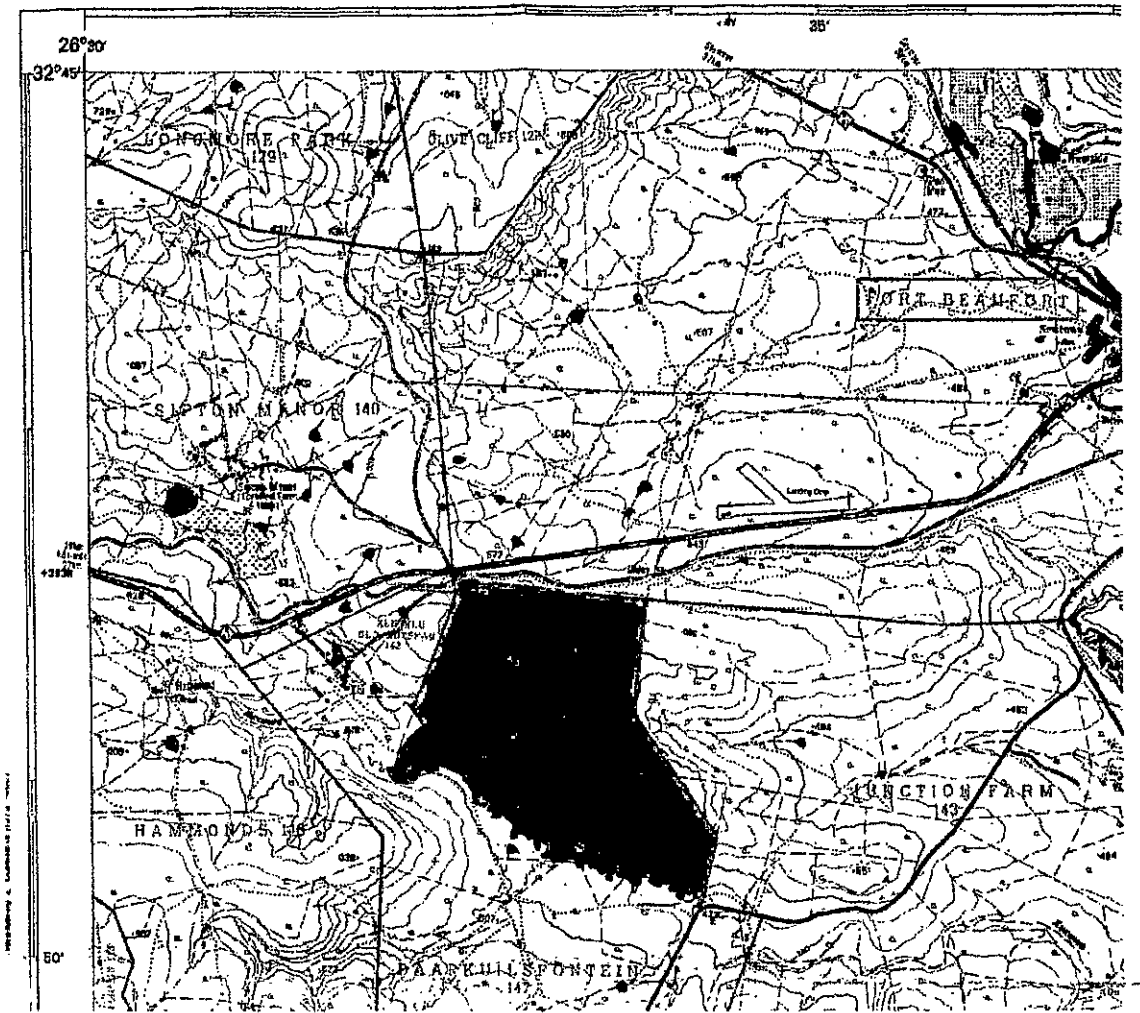
SYSTEM WGS 84 EAST 27°

	Y	X
A	42 903,6	3 630 465,0
B	40 951,0	3 630 619,9
C	41 065,3	3 631 838,5
D	40 217,7	3 633 079,7
E	40 464,1	3 633 897,8
F	40 531,3	3 633 899,7
G	43 416,6	3 631 866,0
H	42 932,3	3 630 561,9

FORT BEAUFORT TOWN LANDS



SCALE 1:25 000



SURVEYOR

J. E. Victor
 NAME J. E. victor
 MSCC SA 1246

DATE 02-12-2009

APPLICANT

Matola Quarry Products cc
 NAME _____

DATE 1. 2. 2010.

OFFICE USE

REGIONAL MANAGER
 EASTERN CAPE

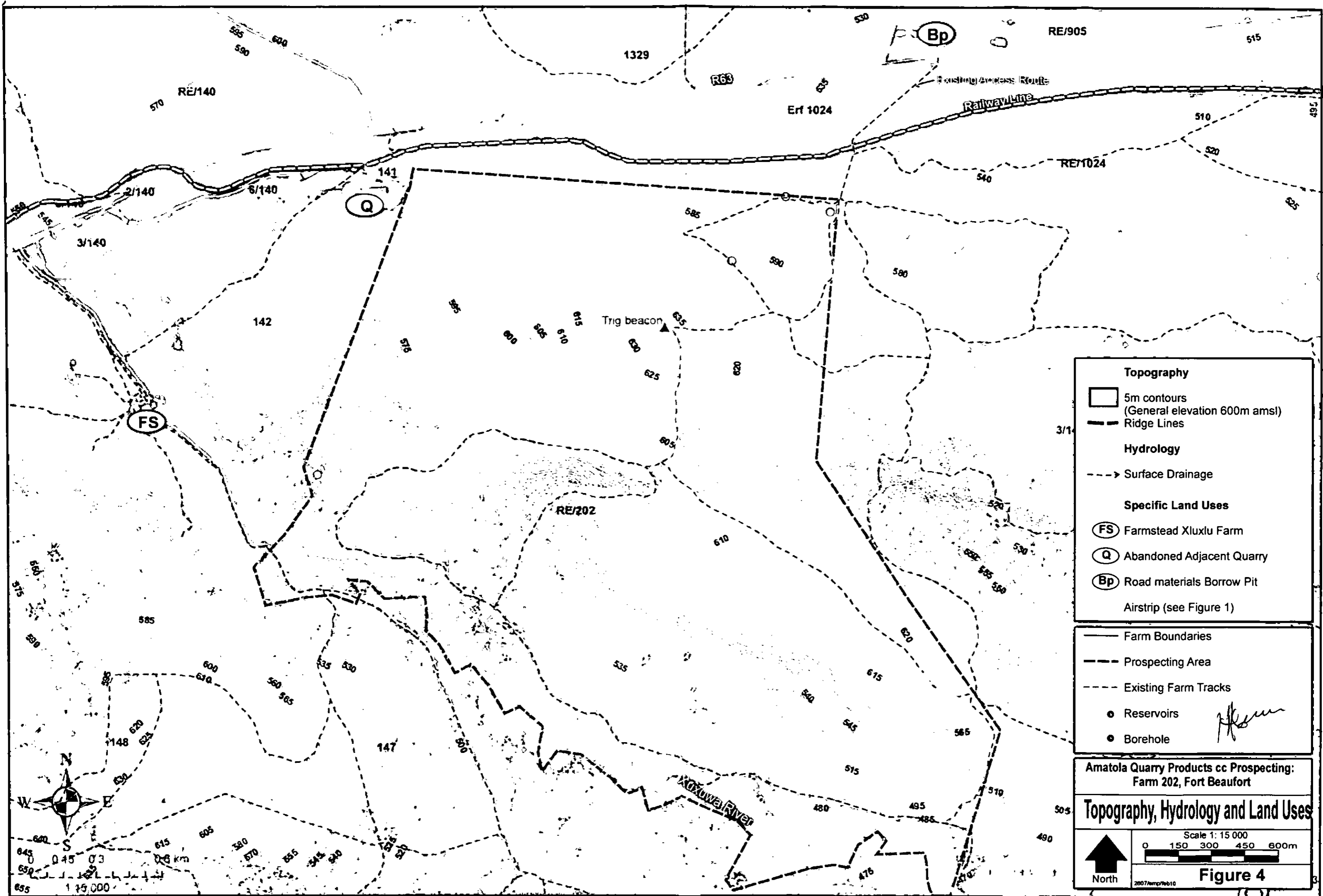
DATE

The figure lettered A to F Klu Klu river G, H in extent 678,9455 Ha comprising portion of farm 202 in the Fort Beaufort district, Eastern Cape Region in respect of which a prospecting right has been issued to

MATOLA QUARRY PRODUCTS CC
 REG. No 1996/000073/23

[Signatures]
 15/2/2010 1. 2. 2010.

Figure 2
 (Reg 2(2) Plan as submitted with application)



Topography

- 5m contours (General elevation 600m amsl)
- Ridge Lines

Hydrology

- Surface Drainage

Specific Land Uses

- (FS) Farmstead Xluxlu Farm
- (Q) Abandoned Adjacent Quarry
- (Bp) Road materials Borrow Pit
- Airstrip (see Figure 1)

- Farm Boundaries
- Prospecting Area
- Existing Farm Tracks
- Reservoirs
- Borehole

Amatola Quarry Products cc Prospecting:
Farm 202, Fort Beaufort

Topography, Hydrology and Land Uses

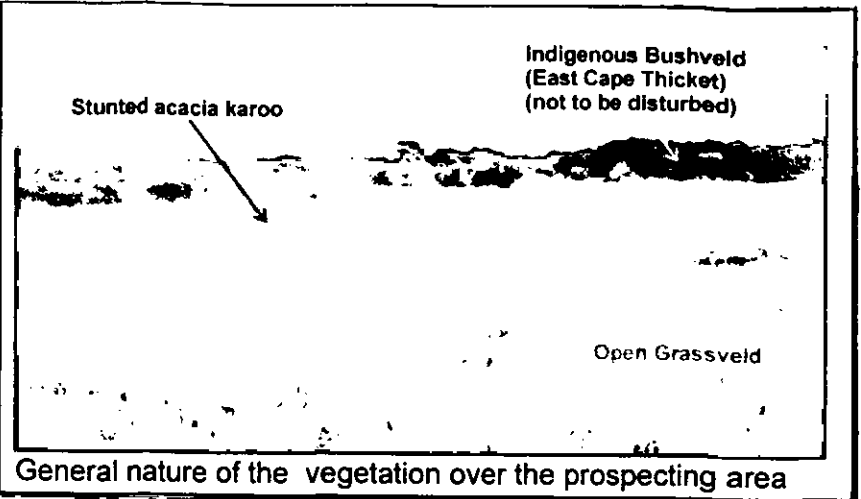
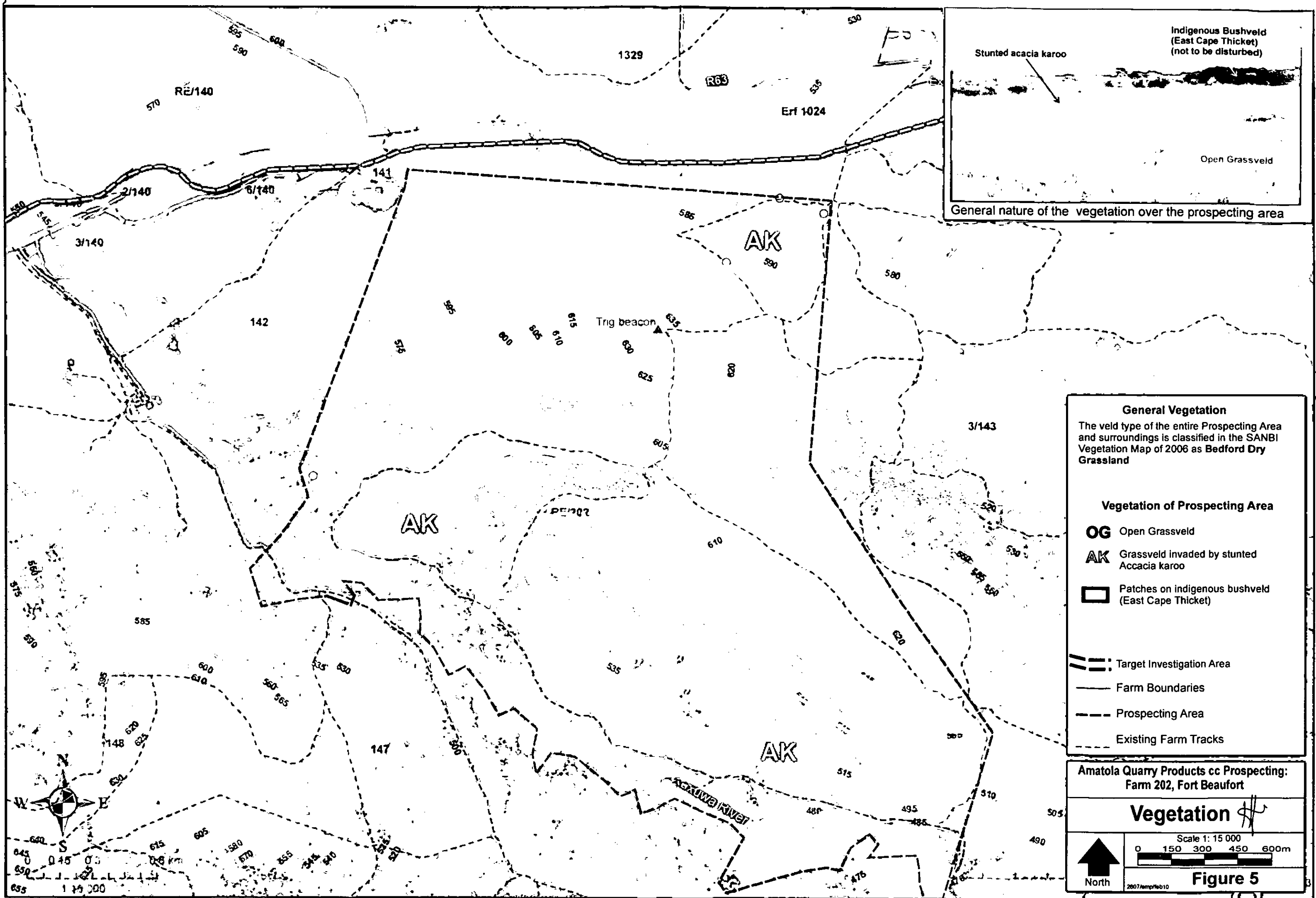
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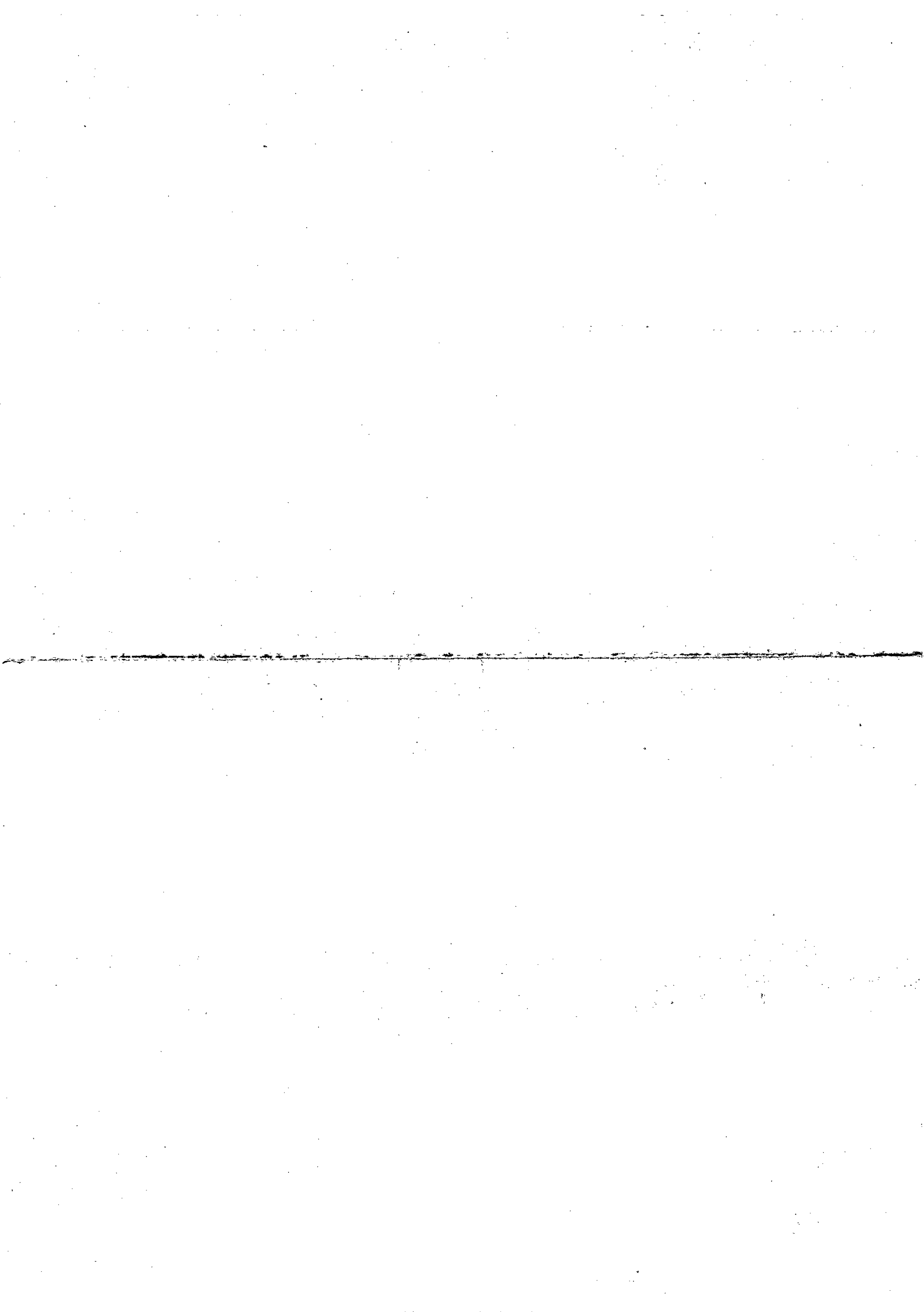
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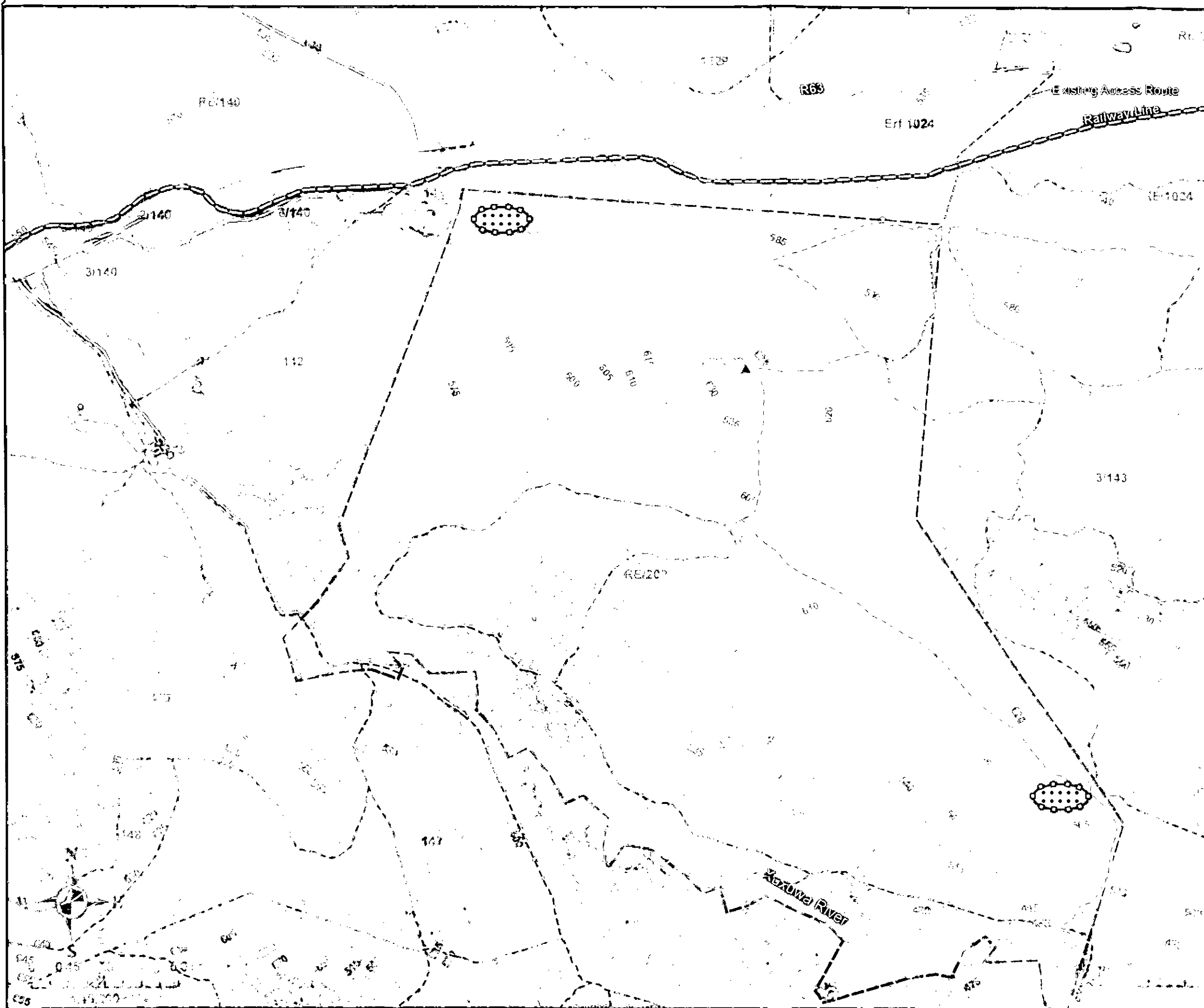
North

2007/amp/feb10

Figure 4







Legend

- Target Investigation Area
- Access tracks to be used
- Assumed positive mapping results
- Delineate by beacons & gps: Single pass access for drill rig, low bed and digger loader

Drilling and Trial Pitting of two sites to be shown by mapping

- 10 percussion holes
- 10 trial pits to indicate edge conditions
- Locate mobile chemical toilet
- Locate 25l litter disposal drum

Rehabilitation of Drill Holes & Trial Pits

- Plug drill holes
- Remove topsoil first then subsoil to own pile
- Replace subsoil first then topsoil
- Backfill trial pits in sequence
- Rake vegetation disturbance level before leaving site

Monitoring

- Check boreholes for capping
- Check trial pits for backfill
- Check drill sites and trial pits for alien saplings and erosion
- Check road surfaces for:
 - Erosion
 - Revegetation
 - Alien saplings

Legend

- Farm Boundaries
- Prospecting Area
- Existing Farm Tracks
- Reservoirs
- Borehole

Handwritten signature and date: 15/10/2010

Amatola Quarry Products cc Prospecting: Farm 202, Fort Beaufort

Prospecting Work, Rehabilitation and Monitoring Plan

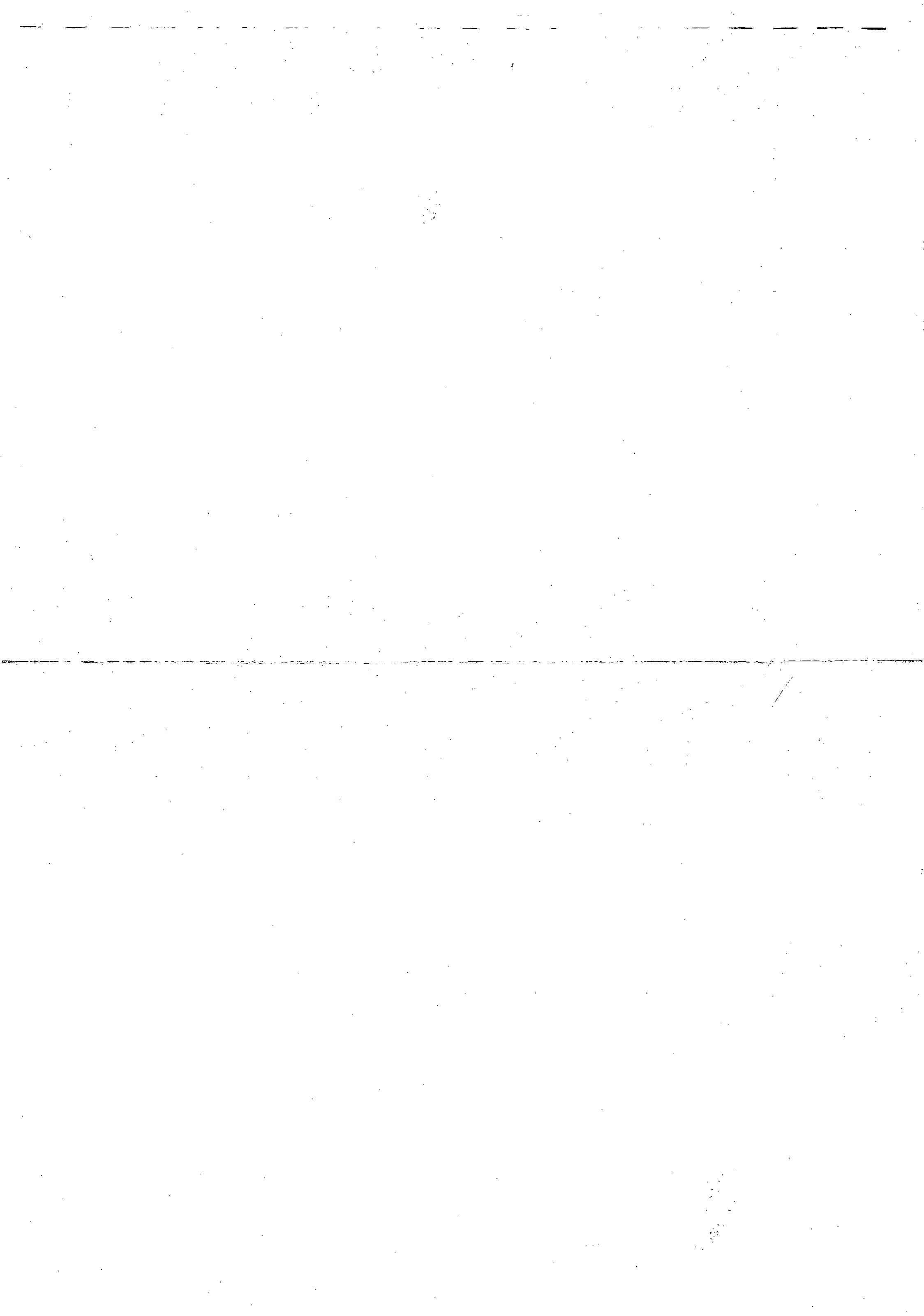
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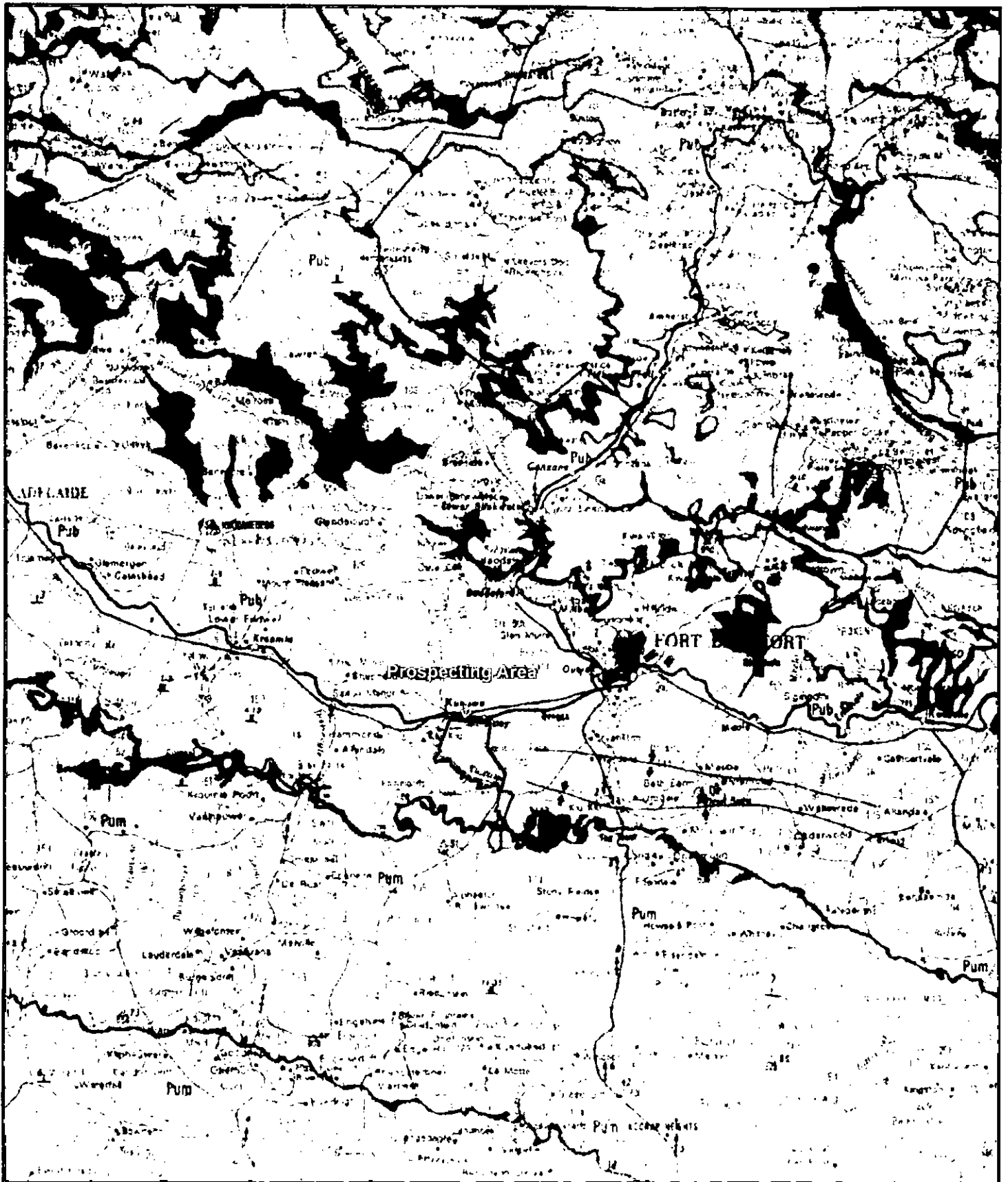
0 150 300 450 600m






North

Figure 6

2007/emp/feb10





-  Prospecting Area
-  Extent of Farm 202
-  Target Rock Member: Grey Sandstone
-  Dolerite
-  Middle Beaufort: Mudstones/shales/siltstones

Amatola Quarry Products cc Prospecting:
Farm 202, Fort Beaufort

Geology

Scale 1: 250 000

0 2.5 5 7.5 10km



North

Figure 3

2607/emp/feb10

Source: Geological Survey Sheet 3226 King William's Town