

# Open File Envelope

## No. 6501

**EL 1312**

**KALANBI**

### **PROGRESS REPORTS TO LICENCE SURRENDER FOR THE PERIOD 2/12/85 TO 19/8/86**

Submitted by  
Aberfoyle Exploration Pty Ltd  
1986

© 11/8/86

This report was supplied as part of the requirement to hold a mineral or petroleum exploration tenement in the State of South Australia.  
PIRSA accepts no responsibility for statements made, or conclusions drawn, in the report or for the quality of text or drawings.  
This report is subject to copyright. Apart from fair dealing for the purposes of study, research, criticism or review as permitted under the Copyright Act, no part may be reproduced without written permission of the Chief Executive of Primary Industries and Resources South Australia, GPO Box 1671, Adelaide, SA 5001.

**Enquiries:** Customer Services  
Ground Floor  
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000  
Facsimile: (08) 8204 1880



**PRIMARY INDUSTRIES  
AND RESOURCES SA**

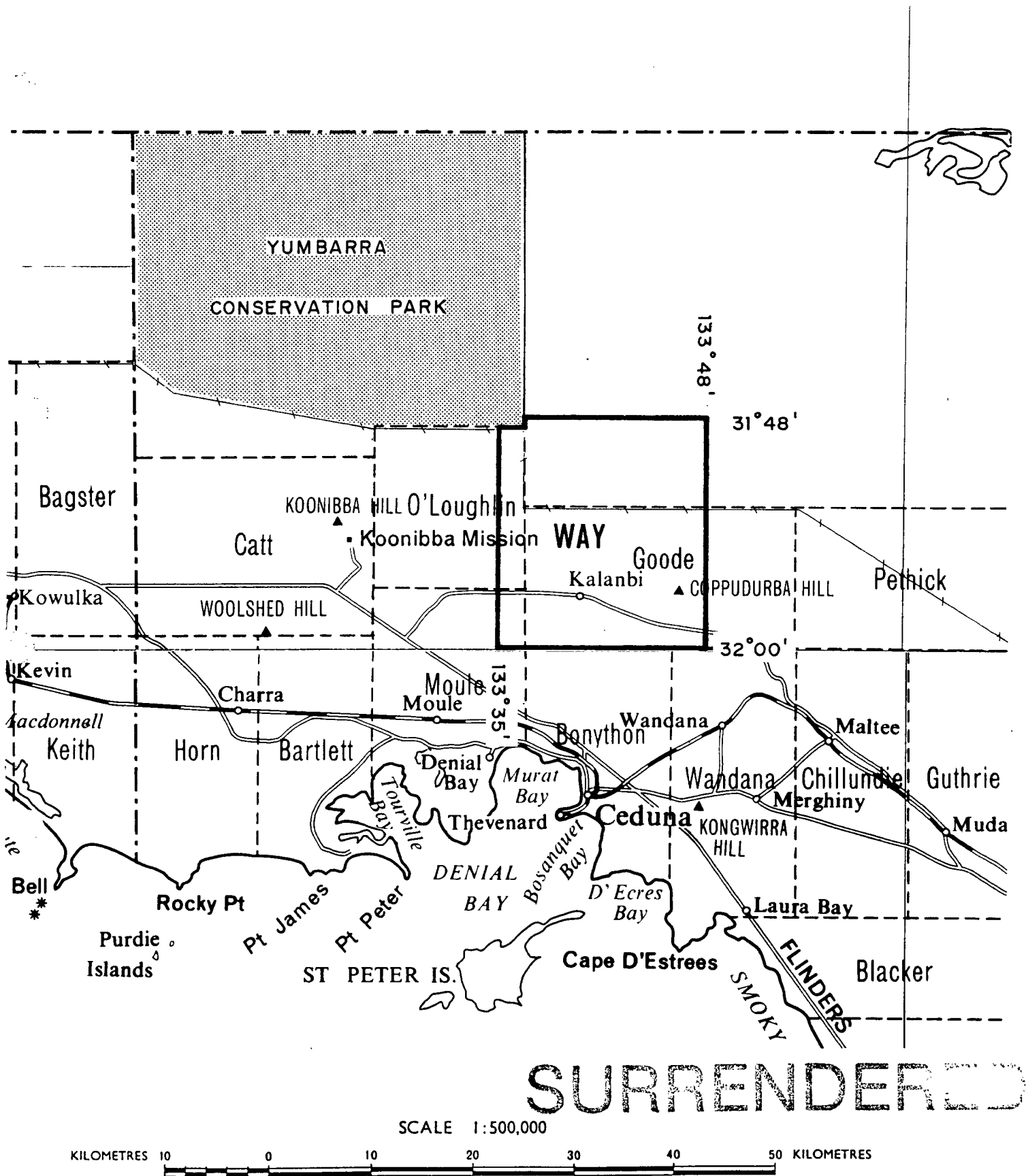
CONTENTS ENVELOPE 6501

TENEMENT: E.L. 1312 - Kalanbi.

TENEMENT HOLDER: Aberfoyle Exploration Pty. Ltd.

<u>REPORT:</u> Quarterly Report E.L. 1312 Period Ending 1st March 1986.	Pgs. 3-4
Quarterly Report E.L. 1312 Period Ending 1st June 1986.	Pgs. 5-9

PLANS: Nil.



APPLICANT: ABERFOYLE EXPLORATION PTY LTD

DM: 187/85

AREA: 451 square kilometres (approx.)

1:250000 PLANS: Childara

LOCALITY: KALANBI AREA - approx. 20 km north of Ceduna.

DATE GRANTED: 2-12-85

DATE EXPIRED: 1-12-86

EL No: 1312

# Aberfoyle Resources Limited

Incorporated in Victoria

EXPLORATION DIVISION

ADELAIDE OFFICE:  
1 GREENHILL ROAD  
WAYVILLE S.A. 5034  
Phone: (08) 272 8866  
Facsimile: (08) 272 8190  
Telex: AA82843

1st Floor  
123 Camberwell Road  
Hawthorn East  
Victoria 3123  
Australia  
Telephone: (03) 82 2226  
Facsimile: (03) 813 1086  
Telex: AA38646

March 27, 1986

Kalanbi 61

The Director General,  
Department of Mines & Energy,  
P.O. Box 151,  
EASTWOOD, S.A. 5063

Dear Sir,

E.L. 1312, Kalanbi

## First Quarterly Progress Report to 1 March, 1986

The Kalanbi Exploration Licence has been acquired by Aberfoyle Resources Limited to assess exploration potential for platinum group elements in a cluster of mafic and ultramafic intrusive rocks in this area north of Ceduna.

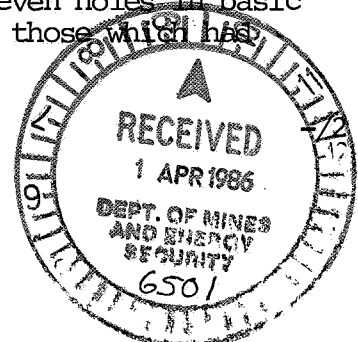
The presence of these intrusives was discovered by the previous licence-holder in 1982-83, after drilling air-core hole profiles across several discrete anomalies defined on the STREAKY and CHILDARA 1:250,000 Aeromagnetic sheets.

One of the intrusions was interpreted on lithological and ground magnetic evidence, to be possibly layered and differentiated. Other intrusions appear to be more uniform, altered ultramafics.

The previous licensee gave no indication in reports that analyses for platinum group elements were carried out on the numerous air-core samples taken along drill traverses across magnetic anomalies.

There is no hard-rock outcrop in the licence area. Thus, any petrologic or lithogeochemical evaluation of the intrusions as potential PGE hosts must relate to drill samples.

The first stage in Aberfoyle's planned programme was to obtain as many fresh-rock drill samples as possible from past drilling, for geochemical analysis. Our recent research at the Department of Mines & Energy Core Library has located small bottom-hole cores in only seven holes in basic intrusives. Cores from other holes, and particularly those which had



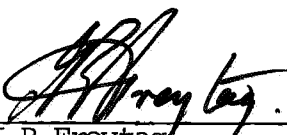
First Quarterly Progress Report to 1 March, 1986 EL 1312, Kalanbi

registered some anomalous Cu, Ni and Cr values, have not been located.

This has somewhat impeded our first-look at these rocks. However, further attempts will soon be made to locate more material, before a decision is taken on the course of further drilling.

Expenditure on EL 1312 to 3 March, 1986 was \$2,571.37.

Yours faithfully,  
ABERFOYLE RESOURCES LIMITED,  
Exploration Division

  
\_\_\_\_\_  
I.B. Freytag  
Assistant Manager

0005

# Aberfoyle Resources Limited

Incorporated in Victoria

EXPLORATION DIVISION

Kalanbi 61

**ADELAIDE OFFICE:**  
1 GREENHILL ROAD  
WAYVILLE S.A. 5034  
Phone: (08) 272 8006  
Facsimile: (08) 272 8150  
Telex: AA82643

1st Floor  
123 Camberwell Road  
Hawthorn East  
Victoria 3123  
Australia  
Telephone: (03) 82 2226  
Facsimile: (03) 813 1086  
Telex: AA38646

The Director General,  
Department of Mines & Energy,  
P.O. Box 151,  
EASTWOOD, S.A. 5063

July 9, 1986

Dear Sir,

Exploration Licence No. 1312, Kalanbi

Second Quarterly Progress Report to 1 June, 1986

As reported previously, it has been Aberfoyle's intention to obtain all bottom-hole air-core samples from past drilling in the Kalanbi area for geochemical and petrographic analysis. The aim of this was to characterise the concealed basic and ultrabasic intrusive rocks in terms of platinum group elements mineralisation potential.

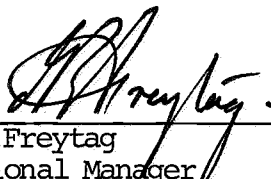
A second, exhaustive search at the SADME Core Library by Mr Brian Logan failed to locate more than seven fresh core samples. As a matter of course, these were analysed for Pt and Pd, with negative results (see attached assay sheet).

Considering the very speculative nature of the project, it now has been decided that drilling of the defined aeromagnetic anomalies in this area cannot be justified.

A formal abandonment is being prepared and application for surrender of E.L. 1312 will be lodged in the near future.

Expenditure on E.L. 1312 recorded to 30 June 1986 was \$3312.91 (see attached Summary of Expenditure).

Yours faithfully,  
ABERFOYLE RESOURCES LIMITED  
Exploration Division

  
I.B. Freytag  
Regional Manager



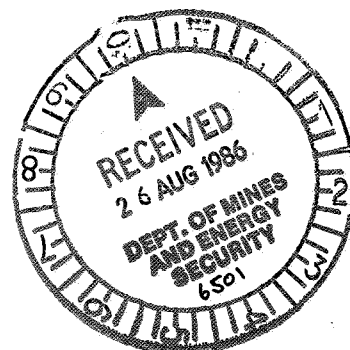
C.R.A.E. Air-core samples

.....

Analysis results in  $\mu\text{g/g}$   
 (Lower limit of detection  
 5 ppb)

Sample Number	Drill Hole Name & Number	Depth Interval from To	Palladium Pd	Platinum Pt
240675	82 CRC 2	36m - 38m	<0.005	< 0.005
240676	82 CRC 3	14m - 16m	0.005	0.005
240677	82 CRC 4	16m - 17m	<0.005	< 0.005
240678	82 CRC 5	24m - 26m	<0.005	< 0.005
240679	82 CRC 6	32m - 34m	<0.005	< 0.005
240680	82 CRC 12	42m - 43m	<0.005	< 0.005
240681	82 CRC 13	30m - 32m	<0.005	< 0.005

Analysis by AMDEL Report AC 4558/86





The Australian  
Mineral Development  
Laboratories

Flemington Street, Frewville,  
South Australia 5063  
Phone Adelaide (08) 79 1662  
Telex AA82520

Please address all  
correspondence to  
P.O. Box 114 Eastwood  
SA 5063  
In reply quote:

# amdel

## NATA CERTIFICATE

Dr I Freytag,  
Aberfoyle Resources Limited  
1 Greenhill Road  
WAYVILLE SA 5034

KALANBI  
0007

4/43/3/0 - AC 4558/86

20 May 1986

### REPORT AC 4558/86

YOUR REFERENCE:

Order Number 370

REPORT COMPRISING:

Cover Sheet  
Page 1

DATE RECEIVED:

7 May 1986

Approved Signatory:

Martin R. Hanckel

Manager, Chemistry Services

for Dr William G. Spencer  
General Manager  
Applied Sciences Group

ij

~~How do we include these~~  
~~to the analysis?~~



This laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.

Head Office:  
Flemington Street, Frewville  
South Australia 5063  
Telephone (08) 79 1662  
Telex: Amdel AA82520  
Pilot Plant:  
Osman Place  
Thebarton, S.A.  
Telephone (08) 43 5733  
Telex: Amdel AA82725  
Branch Laboratories:  
Melbourne, Vic.  
Telephone (03) 645 3093  
Perth, W.A.  
Telephone (09) 325 7311  
Telex: Amdel AA94893  
Sydney, N.S.W.  
Telephone (02) 439 7735  
Telex: Amdel AA20053  
Townsville  
Queensland 4814  
Telephone (077) 75 1377



0008

Report AC 4558/86  
Page 1

## ANALYSIS

 $\mu\text{g/g}$ 

SAMPLE MARK	PALLADIUM Pd	PLATINUM Pt
240675	<0.005	<0.005
76	0.005	0.005
77	<0.005	<0.005
78	<0.005	<0.005
79	<0.005	<0.005
80	<0.005	<0.005
81	<0.005	<0.005

Method: A7/3

Lower detection limit 5 ppb

EXPLORATION LICENCE NO. 1312, KalanbiSUMMARY OF EXPENDITURE

GEOLOGY	1383.00
GEOCHEMISTRY	153.40
TENURE	1005.35
OTHER SERVICES	401.68
ADMINISTRATION	369.48
TOTAL PROJECT to 30-6-86	<u>3,312.91</u>



9.7.86.