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E.L. 5374

LANDER ROCK

FINAL REPORT

OPEN FILE

D. Barraclough
M. Glasson

October, 1988.

Ref: MGLR

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1. Introduction

E.L. 5374 (Lander Rock) is registered in the name of Quadric Pty. Ltd. All Quadric's assets were subsequently acquired by Sabminco N.L. who is now the beneficial owner of the tenement.

The exploration programme was carried out by D. Barraclough and Assoc. on behalf of Sabminco and involved geological reconnaissance and stream sediment geochemical sampling in search of gold mineralization.

1.1 Location and Access

The E.L. is situated 180 km NNW of Alice Springs (Fig. 1). A number of tracks provide access to the south and west of the tenement however the rugged terrain in the NE corner of the tenement is impassible by vehicle.

1.2 Geology

The tenement area is covered mainly by the Lander Rock beds, a NW-SE trending unit within the Proterozoic Arunta complex, consisting dominantly of biotite-muscovite schist. Middle Proterozoic intrusives consisting of porphyritic granite and granite gneiss intrude the Lander Rock Beds to the north and south. The Lander Rock Beds within the tenement are cut by a retrograde schist zone.

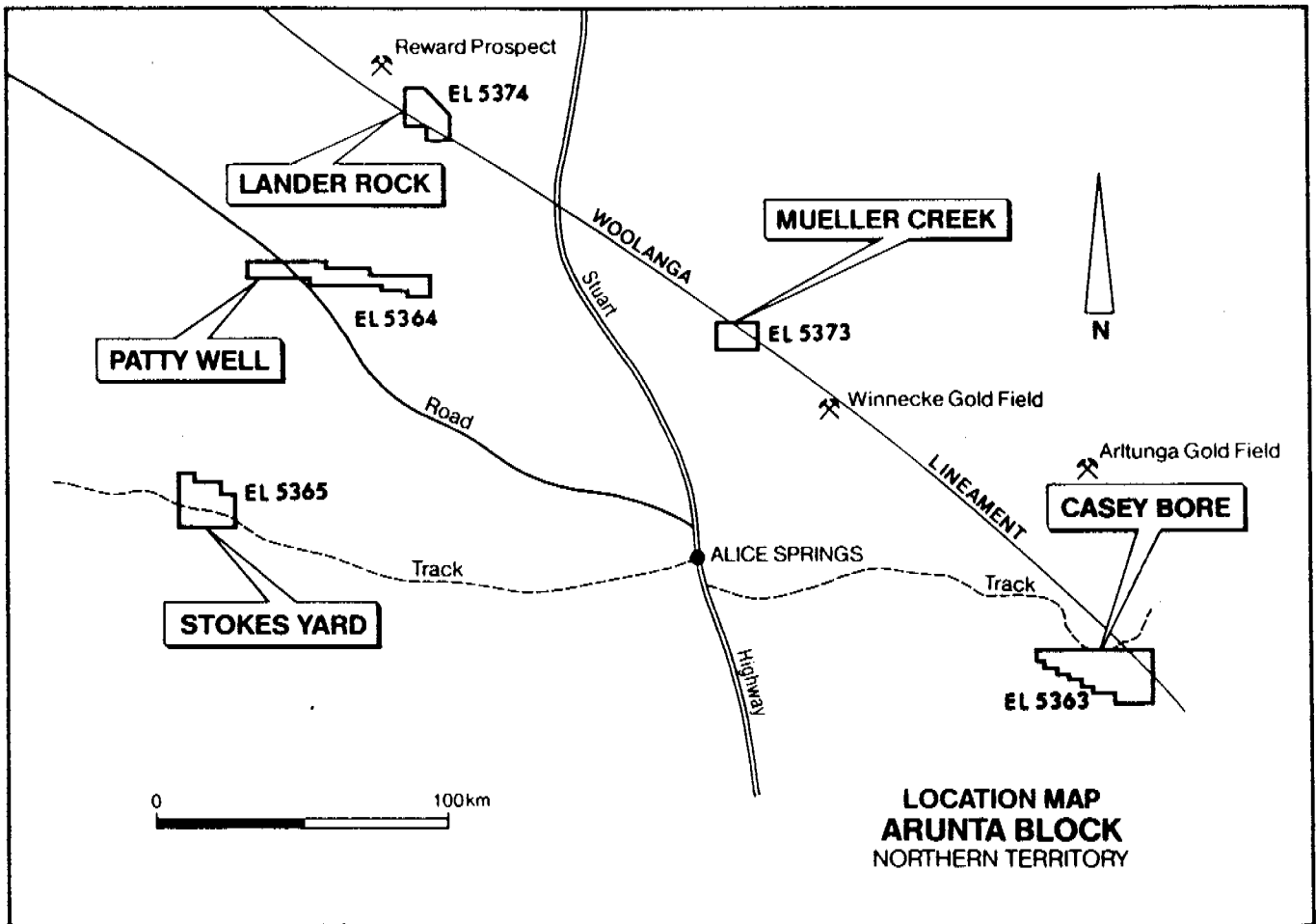
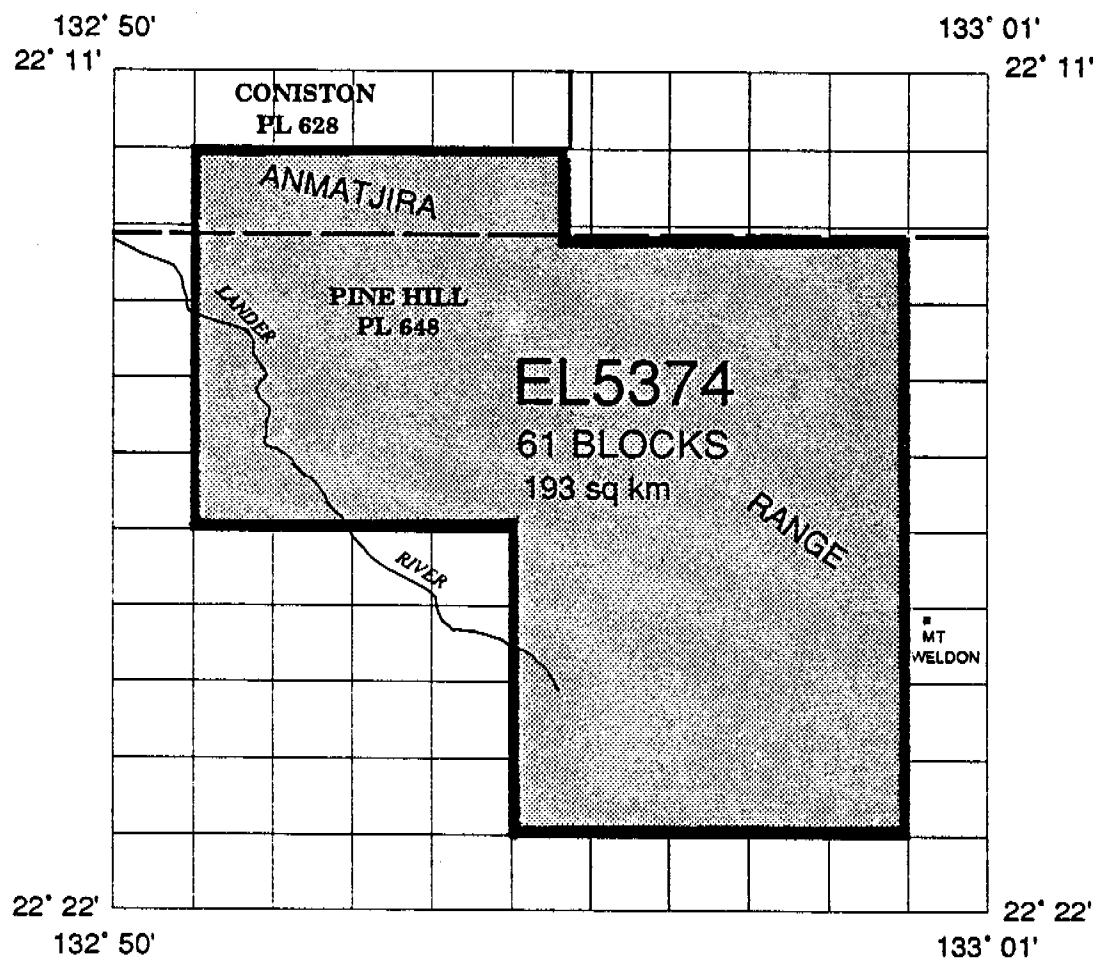


Fig. 1

SECOND SCHEDULE

(PLAN OF AREA)



1.3 Exploration Concept

Possible exploration targets in this tenement are:

- Gold mineralization in a retrograde schist zone.
- A possible repeat of the Lander Bore Cu-Au show to the west, or the Reward mine Cu-Pb-Zn mineralization to the northwest of the licence area by an eastward extension of metamorphosed carbonaceous sediments into the Licence area.

These targets are based on a model involving disintegration and remobilization of (possibly) gold bearing sulphides to and within the retrograde schist zone. No mineralization is presently known within the tenement.

2. Investigations

Forty four stream sediment samples were collected within the tenement, sieved to -2.5 mm and approximately 5 kg despatched to ALS Brisbane for Au analysis by the bulk cyanide leach method. As many of the creeks contained damp or wet sediment, part of each -2.5 mm bulk sample was dried, sieved to -80 mesh and subsequently analysed for Cu, Pb, Zn, Ag and As.

3. Results

Stream sediment sample locations with sample numbers and BCL Au assay values are shown in Plate 1. Base metal, Ag and As assays are attached as Appendix 1.

Au assays recorded within the tenement ranged from below detection limit (<50 ppt) to 1150 ppt. The latter value was detected in a stream just outside the eastern tenement boundary, draining the rugged terrain in its NE corner. No anomalous drainages appear to be emanating from the retrograde schist zone itself. No significant basemetal, Ag or As values were recorded.

4. Conclusion

Stream sediment sampling has downgraded the gold potential of the tenement, with the exception of the NE corner. Follow up stream sediment sampling of the major tributaries upstream from the 1150 ppb anomaly recorded just outside the eastern E.L. boundary is warranted.

APPENDIX 1
ASSAY RESULTS

LABORATORY REPORT

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A.L.

- 5 SEP 1988

Page 1 of 2

Contact: **MR. B. HARRIS**

Order No. **460**

Sample Type: **STREAM SEDIMENT**

No. of Samples: **44**
Date Received: **22/08/88**
Date Completed: **02/09/88**

Batch Number: **H775**

SAMPLE NUMBER	Element Unit Method	Au ppt PM216	S.Wt Kg			
LR1		600	5.28			
LR2		50	4.60			
LR3		50	4.52			
LR4		50	4.47			
LR5		50	4.69			
LR6		<50	5.16			
LR7		150	5.44			
LR8		50	5.27			
LR9		50	5.65			
LR10		50	4.60			
LR11		100	4.32			
LR12		50	5.07			
LR13		50	4.71			
LR14		50	5.90			
LR15		50	5.36			
LR16		100	4.65			
LR17		100	5.36			
LR18		100	4.98			
LR19		50	4.45			
LR20		150	4.24			
LR21		100	4.34			
LR22		100	4.01			
LR23		100	3.42			
LR24		50	3.25			
LR25		<50	3.47			
LR26		50	4.07			
LR27		50	4.05			
LR28		<50	4.76			
LR29		200	3.39			
LR30		200	4.10			
Detection Limit:		50				

Comments:



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Signatory:

[Signature]

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INCORPORATED
IN QUEENSLAND

Client: SABMINCO N.L.
Address: P.O. BOX 101
WEST PERTH
W.A.

6005

Batch Number: H775

~~CONFIDENTIAL~~ MR. B. HARRIS

No. of Samples: 44
Date Received: 22/08/88
Date Completed: 02/09/88

No. 460

Sample Type: **STREAM SEDIMENT**

Comments:



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Signatory:

E. Dunn

FORM ALS 01

CONSULTING ANALYTICAL CHEMISTS

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WEST PERTH
W.A.**

Page

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6005

Batch Number: H776

Contact: **MR. B. HARRIS**

No. of Samples: **44**
Date Received: **22/08/88**
Date Completed: **02/09/88**

Order No. **460**

Sample Type: **STREAM SEDIMENT**

SAMPLE NUMBER	Element Unit Method	Cu ppm G001	Pb ppm G001	Zn ppm G001	Ag ppm G001	As ppm G003
LR1		5	10	20	<1	<20
LR2		5	15	15	<1	<20
LR3		1	5	15	<1	<20
LR4		10	10	15	<1	<20
LR5		5	10	20	<1	<20
LR6		<2	5	10	<1	<20
LR7		1	10	15	<1	<20
LR8		<2	5	15	<1	<20
LR9		<2	10	15	<1	<20
LR10		<2	5	20	<1	<20
LR11		<2	5	20	<1	<20
LR12		5	10	15	<1	<20
LR13		5	10	15	<1	<20
LR14		1	5	15	<1	<20
LR15		5	5	20	<1	<20
LR16		5	5	15	<1	<20
LR17		1	10	20	<1	<20
LR18		<2	10	20	<1	<20
LR19		5	10	30	<1	<20
LR20		1	10	20	<1	<20
LR21		<2	10	15	<1	<20
LR22		<2	5	10	<1	<20
LR23		<2	10	10	<1	<20
LR24		1	5	5	<1	<20
LR25		2	10	10	<1	<20
LR26		2	15	15	<1	<20
LR27		2	10	15	<1	<20
LR28		10	10	20	<1	<20
LR29		20	10	15	<1	40
LR30		10	10	20	<1	<20
Detection Limit:		2	5	2	1	20

Comments:

INLESS NOTIFIED PULPS WILL BE DUMPED ON 22/02/89 AND SPLITS (IF ANY) ON 22/11/88



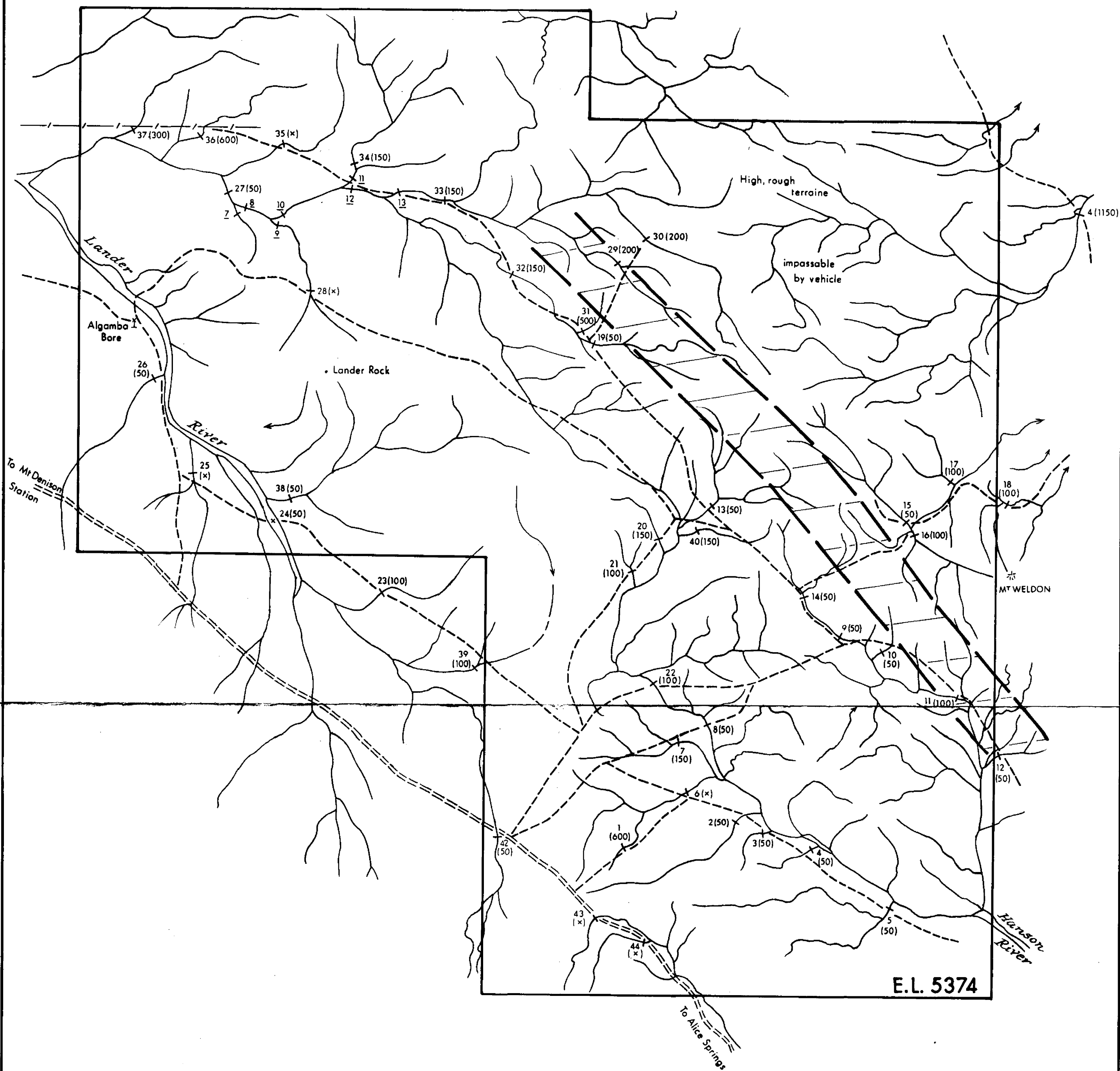
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Signatory:

G. Quinn

Registered
Laboratory
No. 25

FORM ALS 01



7-13 1987 preliminary survey sample (-80#)

Stream sediment sample location and number, prefixed LR
 (50) BCL Au assay (ppt)
 (x) denotes <50ppt

TOPOGRAPHY
 ===== Graded road
 - - - - - Track
 --- / --- Fence



0288/413



PLATE 1

ARUNTA PROJECT STREAM SEDIMENT SURVEY E.L. 5374 "LANDER ROCK"	
Prepared by: D. Barraclough	Date: October 1988
Scale: 1: 50 000	Drawing No. Arunta - 4
Revisions:	Report No.