

WESTERN MINING CORPORATION LIMITED
EXPLORATION DIVISION

PARTIAL RELINQUISHMENT REPORT
FOR
SEL 7423 - COOMARIE
YEAR ENDING 23RD APRIL, 1994
(THIRD TENEMENT YEAR)

AUGUST, 1994

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OFFICER IN CHARGE - S.A. & N.T.

**WESTERN MINING CORPORATION LIMITED
EXPLORATION DIVISION**

TITLE: PARTIAL RELINQUISHMENT REPORT FOR SEL 7423 - COOMARIE

PERIOD: 24TH APRIL, 1993 TO 23RD APRIL 1994

AUTHOR: R.M. BARRATT

LOCATION: TANAMI 250,000 SE 52-15, THE GRANITES 250,000 SF 52-3

COMMODITY: AU, BASE METALS

DATE: AUGUST, 1994

KEYWORDS: TANAMI, AEROMAGNETIC IMAGERY, TARGETS, LAG
GEOCHEMISTRY, RAB GEOCHEMISTRY, PETROLOGY, DRILLING,
JOINT VENTURE.



ABSTRACT

This report documents exploration carried out by Western Mining Corporation and PNC Exploration (Australia) Pty. Ltd. on the relinquished area of SEL 7423. The report therefore includes data on exploration on tenements replaced by SEL 7423, i.e. WMC E.L. 6457 and PNC E.L.s 4828, and 4829. The PNC E.L.s were initially being explored by PNC for uranium, but during the period 1989 - 1994 were part of the WMC-PNC Western Desert Joint Venture - a commodities based J.V. PNC also carried out exploration for diamonds in E.L. 4829.

Exploration by PNC involved regional studies of aeromagnetic and radiometric data, lineament studies, and comparisons with known uranium provinces in Australia and Canada. Local scale exploration included outcrop inspection and detailed work on of areas 21b and 29.

Exploration by WMC involved regional studies, assessment of PNC data, road verge lag sampling, and grid based exploration on PNC area 21b and the WMC Coomarie Area.

Exploration by PNC and WMC did not generate targets worthy of further follow-up.

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1. INTRODUCTION

SEL 7423 was granted to PNC Exploration (Australia) on 24th April, 1991 for a period of four years. The tenement replaced E.L.s 4827, 4828, and 4829 held by PNC, and E.L. 6457 held by Western Mining Corporation (WMC). SEL 7423 is being explored by WMC under the terms and conditions of the Western Desert Joint Venture.

A statutory 50% relinquishment of the SEL area was submitted to the NTDME in April, 1993, and a further 50% relinquishment was submitted in April, 1994 (Figure 1), and is the subject of this report.

E.L.s 4828, and 4829 were part of a group of tenements in the Tanami area which were being explored under the Western Desert Joint Venture (WDJV). The joint venture commenced on the 1st April, 1989 and is a commodities based J.V. The tenements had been granted to PNC in December, 1985. PNC were exploring solely for uranium. Their exploration effort decreased in 1990 at which time the WMC exploration effort was significant and was aimed primarily at gold exploration.

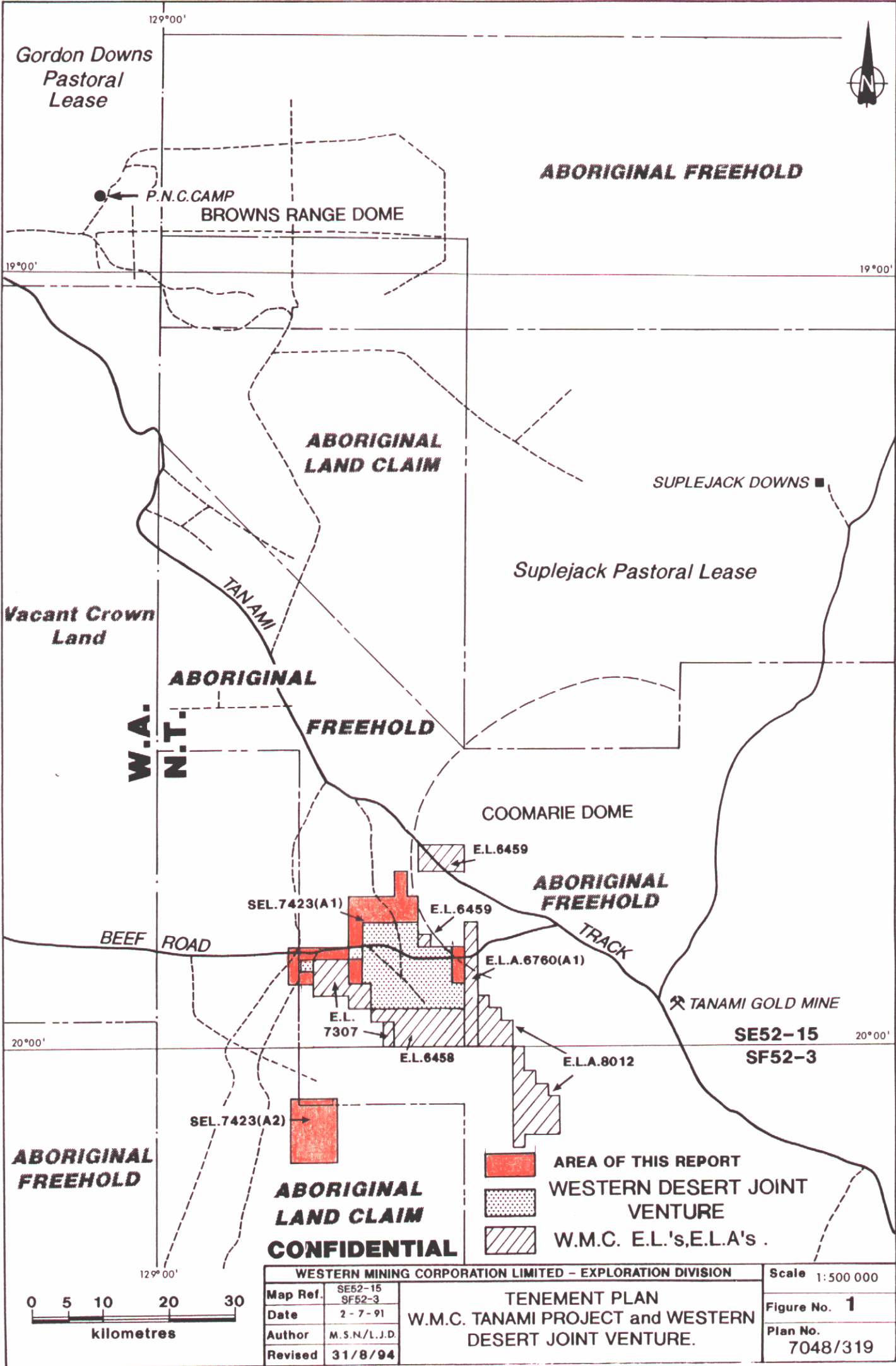
E.L. 6457 was granted to WMC on the 23rd May, 1989 for a period of six years.

This report documents exploration results from the relinquished area (shown in figure 1) of SEL 7423, and results from the equivalent relinquished areas of superseded tenements 4828, 4829 and 6457.

Figure 2 shows the relinquished area of SEL 7423 relative to superseded E.L.s 4828, 4829 and 6457.

2. LOGISTICS

PNC based their exploration effort in the Tanami out of a base camp in the western Browns Range Dome area (figure 1). WMC shared this camp during the 1989 field season. In 1990 WMC established its own base camp on the southern border of E.L. 4828. The WMC camp consisted of caravans, water trailers, tents, fuel trailer and generators. All camp equipment was transported to Alice Springs at the end of the field season.



WESTERN MINING CORPORATION LIMITED – EXPLORATION DIVISION			
Map Ref.	SE52-15 9F52-3	TENEMENT PLAN W.M.C. TANAMI PROJECT and WESTERN DESERT JOINT VENTURE.	
Date	2 - 7 - 91		
Author	M.S.N./L.J.D.		
Revised	31/8/94		

Scale	1:500 000
Figure No.	1
Plan No.	7048/319

Surveyed grids and base lines, although initially being budgeted, were not required due to the acquisition of a GPS receiver. Satellite position fixing was carried out to establish AMG grids and for control of aerial photograph based mapping. Colour, (PNC) and black and white (Dept. of Lands), aerial photographs at 1:25 000 and 1:10 000 scale were used for geological mapping.

Field work was carried out using Toyota Landcruiser 4WD vehicles and via existing tracks or cross country. The main Tanami road crosses the tenement area and subordinate tracks were put in by PNC. Access to the field area was via the Tanami Road from a regional base at Alice Springs. Time wastage due to punctures was a major problem during the 1989 field season but was somewhat alleviated with the purchase of rubber compound filled tyres for the 1990 and subsequent field seasons.

Prior to PNC commencing exploration in the western Tanami area, access was available only via the old and new Tanami roads (figure 1). PNC committed significant expenditure during their first few years of exploration to opening up the area with a network of tracks (figure 1).

Exploration within the area of SEL 7423 has involved consideration of exploration on Aboriginal Land. The SEL was granted within an area of the Western Desert Land Claim, part of which has been subsequently granted as the Mt. Frederick Aboriginal Land Trust. Much of the retained area of SEL 7423 occurs within the land trust, but grant of the exploration title predates the land grant allowing ongoing exploration. Discussions with the Central Land Council as representatives of the Traditional Land Custodians is ongoing.

3. REGIONAL GEOLOGICAL INVESTIGATIONS

PNC undertook regional geological investigations from the inception of their project (late 1985) with refinement as their understanding of the area progressed. Their regional studies and correlations were aimed at refining their initial interpretation of significant similarities between the geology of the Tanami Complex and the uranium provinces of the Pine Creek Block and Athabasca Basin. PNCs early exploration effort involved, over the area of this report, acquisition of colour and black and white aerial photography, aeromagnetic and radiometric data (figures 3, 4 & 5) and reconnaissance outcrop mapping (figure 12). PNC also completed a regional Landsat lineament study and reinterpreted the BMR aeromagnetic data. A PNC regional geological interpretation is shown in figure 6.

WMC commenced investigation of the Tanami Block in August, 1988. The aim of our investigations was to assess the potential for discovery of a large gold deposit comparable to The Granites. Initial investigations were very broadly based and involved assessment of published 1:250 000 geology maps and BMR contour aeromagnetics. Tenement holdings were also monitored.

WMC undertook considerable regional investigations within constraints set by access to land. WMCs data base has included BMR, NTDME and PNC aeromagnetics, Landsat TM imagery, air photo interpretation and ongoing compilation of data on gold deposits of the region. The regional overview has included continental scale data compilation and interpretation, followed by regional appraisals of W.A. and N.T. portions of the Tanami Complex. These studies have played a vital role in area of interest selection within SEL 7423 and its preceding tenements.

The Killi Killi area was identified as being of interest because of the coincidence of an interpreted late magnetic granite adjacent to, on its north side, a curvilinear magnetic unit. This scenario appeared similar to that observed at The Granites on the basis of broad scale data.

The area of interest definition coincided with the ground being relinquished by PNC and therefore an application for an E.L. was lodged by WMC.

As more data were accumulated the area was somewhat downrated. The interpreted curvilinear magnetic unit was reinterpreted to be a magnetic response due to the granite. The main sequence of rocks within the E.L. were correlated with the Killi Killi Beds, a predominantly metasedimentary rock sequence belonging to the Early Proterozoic Tanami Complex. The Killi Killi Beds were not as highly rated as the stratigraphically lower, and more mafic Mt. Charles Beds as a gold host. However, our knowledge of the area was still very limited and several magnetic features remained to be tested.

Of potential significance were

- (i) gold had been reported regionally from quartz vein arrays within the Killi Killi Beds.
- (ii) recognition that the Killi Killi E.L. contained interpreted basal Killi Killi Beds and that subtle magnetic anomalies possibly related to iron formation units at the top of the Mt. Charles Beds were worthy of investigation.

Field work on E.L. 6457 commenced in July, 1989.

Geological data have been compiled from BMR reports (primarily Blake et.al. 1979 and Blake, 1974) and from open file exploration reports. Geophysical data, primarily aeromagnetics, have been acquired from the BMR, PNC Exploration (Australia) and from the NT Geological Survey.

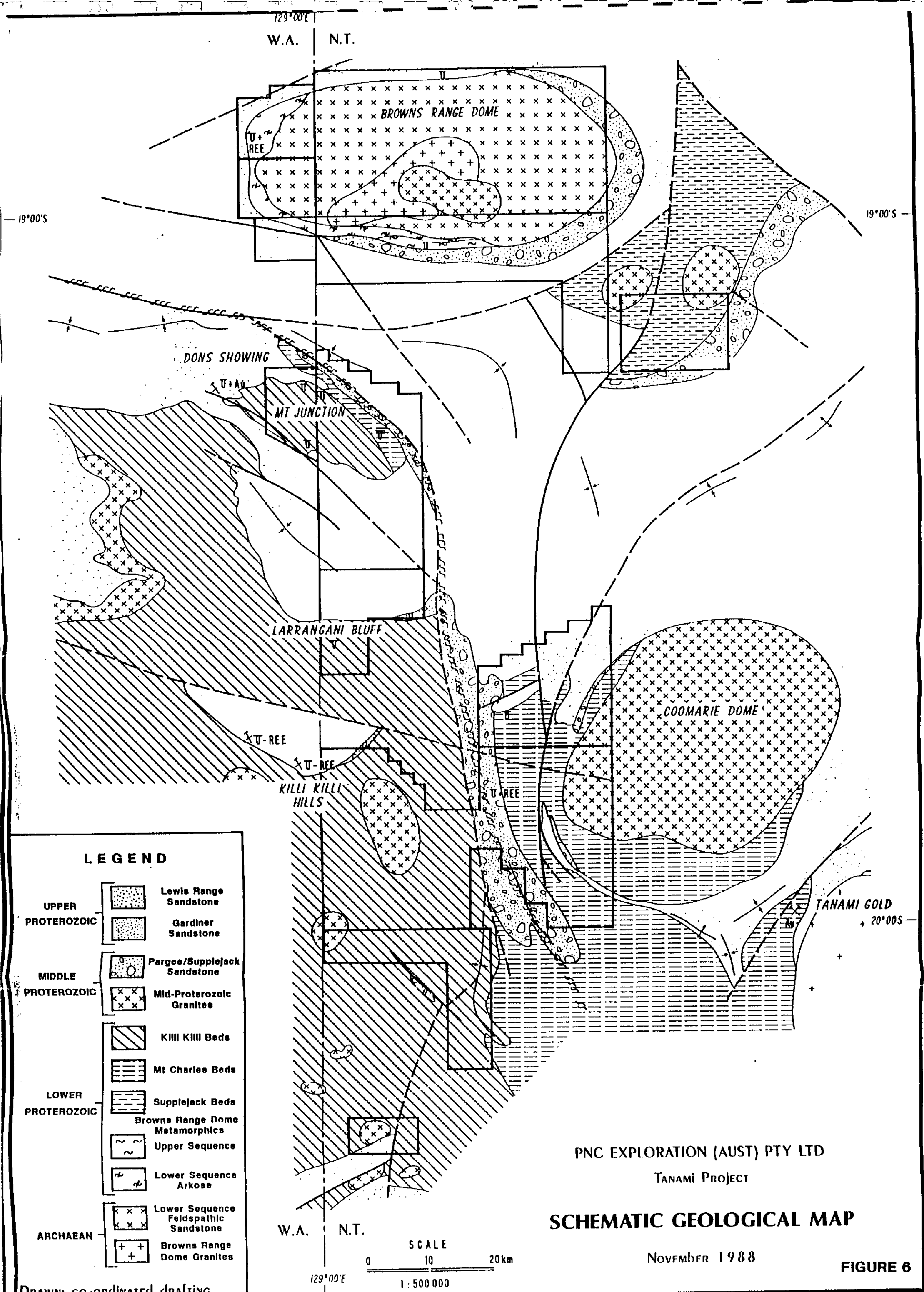
WMC in house image processing of all surveys has been completed and enables regional geological interpretations to be undertaken. The purchase and image processing of the NT Geological Survey aeromagnetic survey has added greatly to our understanding of the Early Proterozoic Tanami Complex. Because most of the good outcrops of Tanami Complex stratigraphy cannot be inspected due to severe restrictions to access primarily as a result of Aboriginal Land grants, WMC has had to rely on aeromagnetics and other remote sensing data.

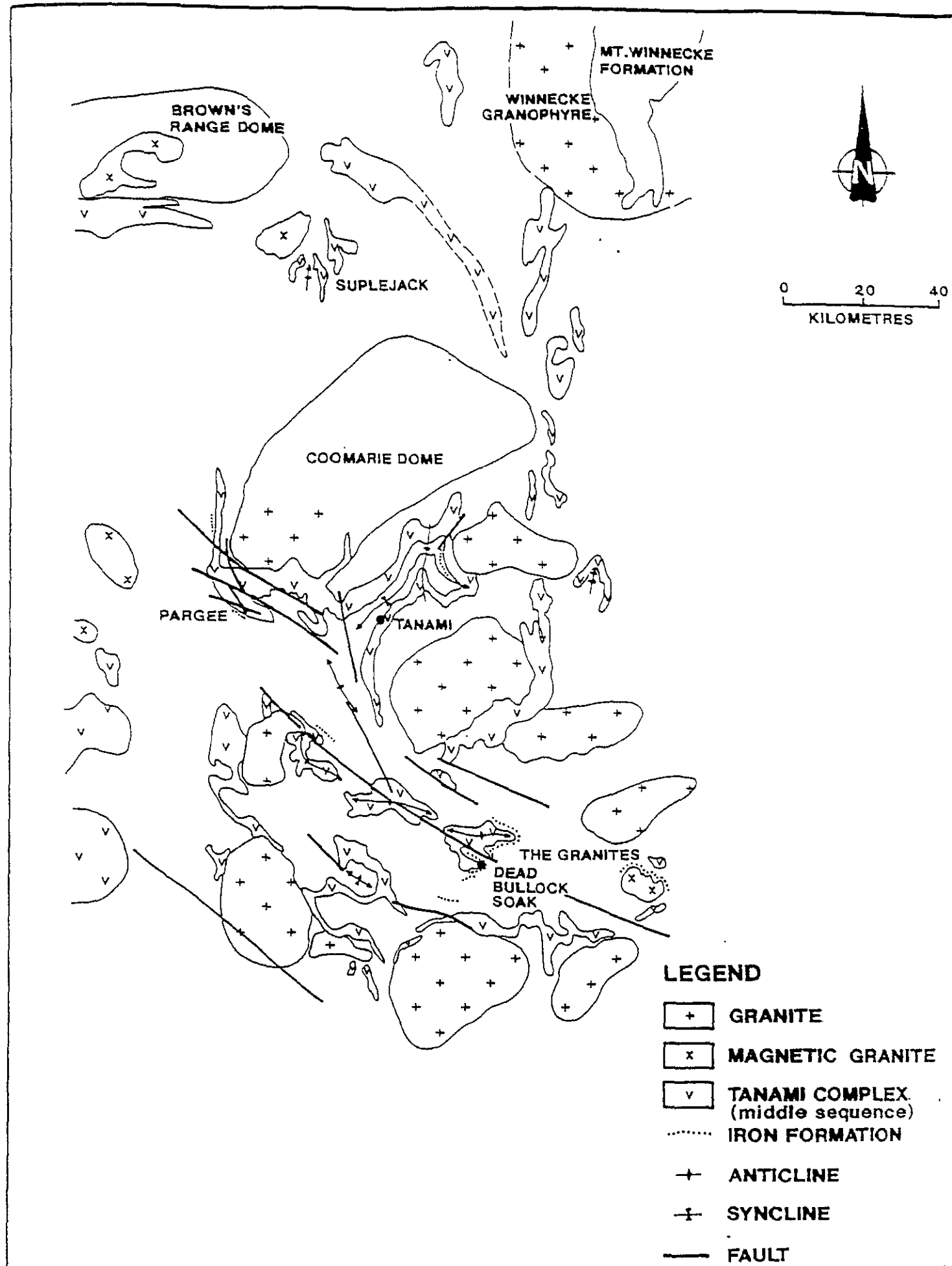
WMC interpret the regional geology as shown in figure 7, 8 and 9. An Archean basement is interpreted based on work carried out by PNC in the Browns Range Dome area. The basement is then overlain by an Early Proterozoic succession divided into three sequences; a basal terrestrial to shelf sequence; overlain by a rift, basin development sequence; overlain by a basin fill sequence. The rift, basin development sequence consists of ultramafic rocks, mafic rocks and interbedded chert, phyllite, shale and iron formation units. It is overlain by a basin fill sequence consisting of wackes, siltstones and shales of probable turbiditic origin.

The middle (rift) sequence equates to most of the magnetic stratigraphy in the Tanami Complex. The upper (basin fill) sequence is remarkably 'quiet' in its magnetic signature.

The Early Proterozoic sequence is complexly deformed and metamorphosed to greenschist - lower amphibolite facies. Folding includes syn-sedimentary slump folds, tectonic isoclinal folding, and regional tight to open folds. The sequence is complexly faulted with local drag folds. The style of faulting has not been determined.

The Middle Proterozoic Birrindudu Group unconformably overlies the Early Proterozoic metavolcanic - metasedimentary sequence. The Pargee Sandstone is interpreted to be the basal Middle Proterozoic unit which is in turn overlain by the Gardiner Sandstone.





WESTERN MINING CORPORATION LIMITED - EXPLORATION DIVISION			Scale
Map Ref.		TANAMI COMPLEX INTERPRETATION.	FIGURE 7
Date	DEC'1990		Plan No.
Author	M.S.N.		
Revised			

BIRRINDUDU GROUP

TANAMI COMPLEX

(1700-1200?m.y.)

(2000-1880 m.y.)

GARDINER SANDSTONE
(1600-1400m.y)

PARGEE SANDSTONE
SUPLEJACK DOWNS
SANDSTONE
(1880-1790m.y)

UPPER SEQUENCE
(=Killi Killi Beds
and wacke package
of Mt. Charles Beds)

MIDDLE SEQUENCE
(=Mt. Charles Beds
excluding uppermost
wackes.

LOWER SEQUENCE

ARCHEAN

TANAMI BLOCK
STRATIGRAPHY

GRANITES 1900-1680m.y
WINNECKE GRANOPHYRE 1840m.y
BARRAMUNDI OROGENY 1880-1850m.y

Swk, Ssl, Sh
PNC report Killi Killi Beds unconformably
overlie Mt. Charles Beds; CRA (CR75/46)
report arenaceous sequence unconformably
overlies Mt. Charles Beds west of Bluebush Hills.

U (BRD, Coomarie Dome), M (Tanami, regional
outcrops), Fv/VS (Coomarie Dome, Black Peak)
Sif, Sh (Black Hills, DBS, The Granites)

Magnetic stratigraphy

BRD Sak, Sc, Sh, Scb.

Interpreted basement to Tanami
Complex; SE Granites sheet?

FIGURE 8

Granites intrude the Early Proterozoic sequence and appear to have caused minor doming of the Middle Proterozoic sequence. The granites range in age from 1680 - 1900 Ma and consist of non magnetic to magnetic varieties. Other mafic intrusives of unknown age intrude the Early Proterozoic sequence.

The Barramundi Orogeny (~1850 - 1880 Ma) is thought responsible for most of the tight to isoclinal folding and coincides partially with granite intrusions. Its relationship to gold mineralisation is unknown.

4. WORK COMPLETED AND RESULTS

Exploration carried out by WMC within the newly relinquished area comprised -

- (i) road verge lag sampling near SEL 7423, Area 2, (figure 2, 10, Appendix 1).
- (ii) mapping and lag sampling over PNC area 21b and Coomarie grid areas (Figure 2, 10, 11, Appendix 2).
- (iii) lag sampling over Coomarie Extensions (N and NE figure 2, 10, Appendix 2).
- (iv) orientation ground magnetic surveys at PNC area 21b (Appendix 3).

Exploration carried out by PNC within the relinquished area comprised -

- (i) geological mapping, a ground geophysical survey, and a geochemical survey were completed at Area 21b. (Appendix 4).
- (ii) geological mapping, ground geophysical surveys, RAB drilling, diamond drilling, petrology and multi-element geochemistry were conducted by PNC on Area 29 (Appendix 5, 6, 7).

4.1 WMC Road Verge Sampling

In an attempt to rapidly assess some areas of perceived less prospective stratigraphy, a road verge lag sampling program was completed. Sample locations are shown in figure 10 and results in Appendix 1. No significant anomalies were identified.

Note that most of these data have been reported previously.

4.2 WMC Work in PNC Area 21b - Coomarie area

WMC was attracted to this area due to anomalous Au reported by PNC from work carried out in 1987 (see below). Work completed included geological mapping and rock chip sampling (figure 13, Appendix 2), reconnaissance (800 x 100m) lag sampling (figures 14-21, Appendix 2) and more detailed (400 x 40m) lag sampling (figures 22-41, Appendix 2). The more detailed lag sampling was confined to the Area 21b grid area. Results of this work were generally discouraging.

Limited orientation ground magnetic surveys were carried out on three lines, but noisy data resulted and no plots were generated (Appendix 3).

4.3 WMC work in the Coomarie Extended area

This was limited to reconnaissance lag sampling on a 800m x 100m grid. Results are tabulated in Appendix 2 and plotted in figures 42-45. No results worthy of follow-up were obtained.

4.4 PNC work in the Area 21b locality

This work included geological mapping and rock chip sampling as follow-up to airborne magnetics and radiometrics. An extract from their annual reports is included in Appendix 4. Minor gold anomalism was reported to WMC who conducted followup outlined above.

4.5 PNC work in the Area 29 locality

This work was conducted in three stages as follows:

- (i) Followup of airborne magnetics and radiometrics with geological mapping and sampling for Uranium (Appendix 5).
- (ii) Limited RAB geochemistry. (Appendix 6).
- (iii) Followup of microdiamond occurrences identified during the above, including diamond drilling, petrology and multi-element geochemistry. Details are included in Appendix 7.

APPENDIX 1

WMC Road verge sampling results.

TANAMI RECONN LAGS/SOILS - SE52-15

REG TECH				PYSTB	AUSO	PYSTB	PYSTB	PYSTB
S. TECH				AAHYD	AUSL2	AASPL	AA	AA
REG SITE				-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm
SAMPLE	NORTHING	EASTING	ANG	AS	AU	CR	CU	NI
NUMBER	ANG	ANG	ZONE	PPH	PPH	PPH	PPH	PPH
567001	7799612	523559	52	10	41	320	5	20
567002	7799267	523366	52	35	41	490	25	20
3	7798921	523173	52	25	41	380	25	20
4	7798576	522980	52	30	41	400	20	20
5								
6								
567007	7797539	522401	52	30	41	390	25	30
567008	7797194	522208	52	40	41	480	30	30
567009	7796848	522015	52	35	41	580	25	30
567010	7796503	521822	52	35	41	490	25	20
567011	7796157	521629	52	30	41	370	25	20
567012	7795812	521436	52	35	41	240	20	10
567013	7795466	521243	52	30	41	250	25	20
567014	7795120	521050	52	35	41	210	20	20
567015	7794775	520857	52	35	41	240	25	30
567016	7794429	520664	52	40	41	270	25	20
567017	7794084	520471	52	55	41	410	20	20
567018	7793738	520278	52	50	41	750	25	410
567019	7793393	520086	52	35	41	450	25	10
567020	7793047	519893	52	20	41	270	25	20
567021	7792702	519700	52	15	41	160	15	10
567022	7792356	519507	52	15	41	180	15	10
567023	7792011	519314	52	30	41	140	15	10
567024	7791665	519121	52	20	41	230	15	10
567025	7791320	518928	52	35	41	300	25	20
567026	7790974	518735	52	35	41	350	25	20
567027	7790629	518542	52	30	41	330	30	20
567028	7790283	518349	52	30	41	360	20	20
567029	7789938	518156	52	30	41	390	25	20
567030	7789592	517963	52	30	41	370	25	20
567031	7789247	517770	52	30	41	430	30	20
567032	7788901	517577	52	35	41	300	30	20
567033	7788555	517384	52	35	41	350	25	30
567034	7788209	517191	52	30	41	320	30	30
567035	7787863	516998	52					
567036	7787517	516805	52	25	41	210	25	20
567037	7787171	516612	52	30	41	240	25	20
567038	7786825	516419	52	20	41	340	10	10
567039	7786479	516226	52					
567040	7786133	516033	52	30	41	350	25	20
567041	7785787	515840	52	25	41	260	25	20

Road Verge
Sampling.

SEL 7423

No Sample

NO SAMPLE

NO SAMPLE

TANAMI RECONN LAGS/SOILS - SE52-15

DIG. TECH			PYSTB	AUSO	PYSTB	PYSTB	PYSTB	
ASS. TECH			AAHYD	AUSL2	AASPL	AA	AA	
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	
SAMPLE	NORTHING	EASTING	ANG	AS	AU	CR	CU	NI
NUMBER	ANG	ANG	ZONE	PPH	PPH	PPH	PPH	PPH
00567042	7785460	515649	52	25	1	290	20	20
00567043	7785109	515461	52	20	<1	240	10	10
00567044	7784758	515273	52	20	<1	250	15	10
00567045	7784407	515084	52	25	<1	310	15	20
00567046	7784056	514896	52	30	<1	320	20	20
00567047	7783705	514707	52	30	<1	300	25	20
00567048	7783354	514519	52	30	<1	270	20	20
00567049	7782999	514493	52	30	<1	290	20	20
00567050	7782545	514552	52	20	<1	340	25	20
00567051	7782151	514611	52	30	<1	250	20	20
00567052	7781757	514670	52	25	1	210	15	10
00567053	7781363	514729	52					
00567054	7780969	514788	52					
00567055	7780575	514848	52					
00567056	7780182	514907	52					
00567057	7779788	514966	52	20	<1	570	15	20
00567058	7779475	515132	52	30	<1	450	25	20
00567059	7779162	515370	52	30	<1	450	25	30
00567060	7778828	515507	52	25	<1	500	20	20
00567061	7778505	515845	52	40	<1	700	25	10
00567062	7778182	515083	52	25	<1	600	35	10
00567063	7777858	516320	52	35	<1	450	35	20
00567064	7777535	516558	52	25	<1	400	45	20
00567065	7777117	516817	52	30	<1	450	35	20
00567066	7776723	516436	52	30	<1	450	35	20
00567067	7776329	516355	52	30	<1	550	40	20
00567068	7775935	516275	52	35	<1	830	25	10
00567069	7775542	516194	52					
00567070	7775148	516113	52					
00567071	7774754	516032	52					
00567072	7774351	515951	52					
00567073	7773957	515871	52					
00567074	7773573	515790	52					
00567075	7773179	515709	52					
00567076	7772786	515628	52					
00567077	7772392	515547	52	30	<1	470	30	20
00567078	7771998	515466	52	30	1	370	35	20
00567079	7771604	515386	52	40	<1	350	45	20
00567080	7771211	515305	52	25	<1	470	40	20
00567081	7770817	515224	52					
00567082	7770423	515143	52	45	1	710	35	20

NO SAMPLE

NO SAMPLE

TANAMI RECONN LAGS/SOILS - SE52-15

DIG. TECH ASS. TECH MESH SIZE	SAMPLE NUMBER	NORTHING ANG	EASTING ANG	AMG ZONE	PYSTB	AUSO	PYSTB	PYSTB	PYSTB
					AAHYD -6+2mm	AUSL2 -6+2mm	AASPL -6+2mm	AA -6+2mm	AA -6+2mm
					AS PPH	AU PPH	CR PPH	CU PPH	NI PPH
	Q0567124	7797119	519451	52	35	<1	190	25	30
	Q0567125	7796797	519208	52	40	<1	310	20	30
	Q0567126	7796474	518966	52	45	<1	390	25	30
	Q0567127	7796152	518723	52	30	<1	500	25	30
	Q0567128	7795829	518481	52		NO SAMPLE			
	Q0567129	7795507	518238	52	45	<1	450	25	30
	Q0567130	7795184	517996	52	35	<1	380	15	30
	Q0567131	7794862	517753	52	35	<1	370	20	30
	Q0567132	7794539	517511	52	35	<1	340	20	30
	Q0567133	7794217	517268	52	25	1	310	20	40
	Q0567134	7793894	517025	52	35	<1	280	25	30
	Q0567135	7793571	516783	52	35	<1	320	25	10
	Q0567136	7793249	516540	52	45	<1	310	25	10
	Q0567137	7792926	516298	52	40	<1	230	25	10
	Q0567138	7792604	516055	52	40	<1	270	25	10
	Q0567139	7792281	515813	52	40	<1	300	25	10
	Q0567140	7791959	515570	52	40	<1	240	25	10
	Q0567141	7791636	515326	52	35	<1	310	20	10
	Q0567142	7791314	515085	52	35	<1	410	25	10
	Q0567143	7790991	514842	52	25	<1	370	10	10
	Q0567144	7790669	514600	52	20	<1	350	15	10
	Q0567145	7790346	514357	52	25	<1	450	20	10
	Q0567146	7790024	514115	52	35	<1	350	20	10
	Q0567147	7789701	513872	52	40	<1	250	15	10
	Q0567148	7789379	513630	52	40	<1	110	25	10
	Q0567149	7789056	513387	52	30	<1	30	35	20
	Q0567150	7788734	513145	52	55	<1	160	25	10
	Q0567151	7788412	512903	52	50	<1	100	25	10
	Q0567152	7788090	512661	52	45	<1	80	25	10
	Q0567153	7787768	512419	52	40	<1	100	20	10
	Q0567154	7787446	512177	52	35	<1	90	20	10
	Q0567155	7787124	511935	52	30	<1	100	25	10
	Q0567156	7786802	511693	52	40	<1	230	20	10
	Q0567157	7786480	511451	52	30	<1	190	15	10
	Q0567158	7786158	511209	52	30	<1	150	15	10
	Q0567159	7785836	510967	52	30	<1	130	20	10
	Q0567160	7785514	510725	52	40	<1	100	15	10
	Q0567161	7785192	510483	52	40	<1	110	20	10
	Q0567162	7784870	510241	52	20	<1	10	20	20
	Q0567163	7784548	509999	52	20	<1	50	30	20
	Q0567164	7784226	509757	52	30	<1	50	75	20

TANAH RECONN LAGS/SOILS - SE52-15

DIG. TECH				PYSTB	AU30	PYSTB	PYSTB	PYSTB
ASS. TECH				AAHYD	AUSL2	AASPL	AA	AA
MESH SIZE				-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm
SAMPLE	NORTHING	EASTING	AMG	AS	AU	CR	CU	NI
NUMBER	AMG	AMG	ZONE	PPM	PPB	PPM	PPM	PPM
Q0567165	7784151	509444	52					
Q0567166	7783786	509621	52	60	<1	100	60	80
Q0567167	7783456	509851	52	20	<1	110	25	10
Q0567168	7783126	510081	52	25	<1	140	35	10
Q0567169	7782796	510310	52	35	<1	300	40	20
Q0567170	7782467	510540	52	25	<1	270	30	20
Q0567171	7782137	510770	52					
Q0567172	7781807	511000	52					
Q0567173	7781477	511230	52					
Q0567174	7781148	511459	52					
Q0567175	7780818	511689	52	10	<1	190	15	<10
Q0567176	7780523	511557	52	15	1	180	15	10
Q0567177	7780149	511409	52	15	1	140	25	10
Q0567178	7779776	511261	52	15	<1	150	30	10
Q0567179	7779402	511113	52	25	<1	130	30	10
Q0567180	7779028	510964	52	40	<1	210	35	20
Q0567191	7778655	510816	52	35	<1	150	40	20
Q0567182	7778281	510668	52	55	<1	310	25	10
Q0567183	7777907	510520	52	40	<1	450	30	10
Q0567184	7777534	510371	52	40	<1	340	25	10
Q0567185	7777160	510223	52	20	<1	450	25	10
Q0567186	7776786	510075	52	35	<1	170	25	10
Q0567187	7776412	509927	52	40	<1	340	25	10
Q0567188	7776039	509779	52	35	<1	540	25	10
Q0567189	7775665	509630	52	45	<1	290	25	10
Q0567190	7775291	509482	52	35	<1	300	25	10
Q0567191	7774918	509334	52	35	1	300	25	20
Q0567192	7774544	509186	52	40	<1	730	25	10
Q0567193	7774170	509037	52	40	<1	570	25	10
Q0567194	7773797	508889	52	35	<1	560	30	10
Q0567195	7773423	508741	52	30	<1	380	30	10
Q0567196	7773049	508593	52	30	<1	550	35	10
Q0567197	7772676	508445	52	40	<1	750	30	10
Q0567198	7772302	508296	52					
Q0567199	7771928	508148	52	20	<1	330	20	<10
Q0567200	7771555	508000	52	15	<1	510	20	<10
Q0567201	7771181	507852	52	25	<1	340	25	10
Q0567202	7770807	507703	52	25	<1	330	25	10
Q0567203	7770433	507555	52	35	<1	610	30	10
Q0567204	7770061	507404	52	20	<1	520	30	20
Q0567205	7769710	507250	52	25	<1	310	30	20

TANAMI RECONN LABS/SOILS - SE52-15

DIG. TECH				PYSTB	AU30	PYSTB	PYSTB	PYSTB
ASS. TECH				AAHYD	AUSL2	AASPL	AA	AA
MESH SIZE				-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm
SAMPLE	NORTHING	EASTING	AMG	AS	AU	CR	CU	NI
NUMBER	AMG	AMG	ZONE	PPM	PPB	PPM	PPM	PPM
Q0567206	7769340	507095	52	30	<1	590	30	20
Q0567207	7768969	506940	52	25	<1	590	30	10
Q0567208	7768599	506795	52	30	<1	440	25	20
Q0567209	7768229	506630	52	25	1	310	20	20
Q0567210	7767858	506475	52	25	<1	250	25	10
Q0567211	7767488	506320	52	20	<1	100	25	20
Q0567212	7767117	506166	52		NO	SAMPLE		
Q0567213	7766747	506011	52	25	<1	200	20	10
Q0567214	7766377	505856	52	20	<1	280	20	10
Q0567215	7766006	505701	52	20	<1	430	20	10
Q0567216	7765636	505546	52	20	<1	390	25	20
Q0567217	7765265	505391	52	20	<1	420	25	20
Q0567218	7764895	505236	52	20	<1	330	25	20
Q0567219	7764525	505082	52	25	<1	380	25	10
Q0567220	7764154	504927	52	20	<1	360	20	10
Q0567221	7763784	504772	52	20	<1	370	15	<10
Q0567222	7763413	504617	52	15	<1	310	10	<10
Q0567223	7763043	504462	52					
Q0567224	7762673	504307	52					
Q0567225	7762302	504152	52					
Q0567226	7761932	503998	52					
Q0567227	7761562	503843	52					
Q0567228	7761191	503688	52					
Q0567229	7760821	503533	52					
Q0567230	7760450	503378	52		NO	SAMPLE		
Q0567231	7760080	503223	52					
Q0567232	7759710	503068	52					
Q0567233	7759339	502914	52					
Q0567234	7758969	502759	52					
Q0567235	7758598	502604	52					
Q0567236	7758228	502449	52					
Q0567237	7757858	502294	52					
8	7799809	521253	52					
9	7799796	520873	52	30	1	480	30	30
40	7799788	520454	52	30	1	310	20	30
41	7799760	520070	52	30	<1	200	25	44
2	7799738	519661	52	30	1	200	25	40
3	7799735	519256	52	15	1	140	30	20
Q0567244	7799687	518852	52	15	<1	120	20	20
Q0567245	7799685	518398	52	10	<1	110	35	30
Q0567246	7799627	518024	52	20	1	30	20	20

TANAHU RECONN LAGS/SOILS - SE52-15

DIG. TECH				PYSTB	AU30	PYSTB	PYSTB	PYSTB
ASS. TECH				AAHYD	AUSL2	AASPL	AA	AA
RECHARGE				-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm
SAMPLE	NORTHING	EASTING	AMG	AS	AU	CR	CU	NI
NUMBER	AMG	AMG	ZONE	PPH	PPB	PPH	PPH	PPH
Q0567247	7799628	517623	52	20	<1	90	25	20
Q0567248	7799628	517222	52	35	1	140	30	20
Q0567249	7799629	516821	52	25	<1	120	25	20
Q0567250	7799636	516477	52	50	<1	70	50	30
Q0567251	7799631	516076	52	25	<1	50	45	10
Q0567252	7799626	515675	52	15	<1	40	20	20
Q0567253	7799620	515275	52	20	<1	90	25	20
Q0567254	7799615	514874	52	35	<1	180	30	10
Q0567255	7799610	514473	52	80	<1	100	25	10
Q0567256	7799605	514073	52	50	<1	80	25	20
Q0567257	7799600	513672	52	40	1	70	20	20
Q0567258	7799595	513271	52	30	<1	220	25	10
Q0567259	7799589	512870	52	25	<1	220	25	20
Q0567260	7799584	512470	52	20	<1	340	25	20
Q0567261	7799571	512070	52		NO	SAMPLE		
Q0567262	7799559	511656	52	25	<1	300	25	20
Q0567263	7799546	511242	52					
Q0567264	7799534	510828	52					
Q0567265	7799521	510414	52					
Q0567266	7799508	509999	52		NO	SAMPLE		
Q0567267	7799483	509721	52					
Q0567268	7799498	509322	52					
Q0567269	7799513	508924	52	25	<1	180	25	20
Q0567270	7799484	508541	52					
Q0567271	7799475	508142	52					
Q0567272	7799465	507743	52					
Q0567273	7799438	507301	52					
Q0567274	7799446	506912	52		NO	SAMPLE		
Q0567275	7799454	506522	52					
Q0567276	7799416	506126	52					
Q0567277	7799447	505730	52	35	<1	110	20	20
Q0567278	7799479	505334	52	40	<1	130	20	20
Q0567279	7799510	504937	52	40	<1	90	20	20
Q0567280	7799554	504519	52	30	<1	80	20	20
Q0567281	7799589	504133	52	35	<1	150	15	20
Q0567282	7799615	503746	52	35	<1	130	20	20
Q0567283	7799623	503345	52					
Q0567284	7799645	502949	52					
Q0567285	7799667	502553	52		NO	SAMPLE		
Q0567286	7799689	502157	52					
Q0567287	7799711	501761	52					

TANAMI RECONN LAGS/SOILS - SE52-15

DIG. TECH	PYSTB	AU30	PYSTB	PYSTB	PYSTB			
ASS. TECH	AAHYD	AUSL2	AASPL	AA	AA			
MESH SIZE	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm			
SAMPLE	NORTHING	EASTING	AMG	AS	AU	CR	CU	NI
NUMBER	AMG	AMG	ZONE	PPM	PPB	PPM	PPM	PPM
Q0567288	7799733	501366	52					
Q0567289	7799756	500970	52		NO SAMPLE			
Q0567290	7799826	500553	52					
Q0567291	7799841	500155	52	30	<1	100	25	20
Q0567292	7799856	499756	52	20	<1	20	25	30
Q0567297	7801582	521318	52	30	<1	100	30	30
8	7801980	521283	52	25	<1	240	25	30
9	7802378	521247	52	30	<1	240	25	30
300	7802776	521212	52	50	<1	170	30	20
1	7803175	521177	52	40	<1	290	30	20
Q0567302	7803573	521141	52	40	<1	330	25	20
Q0567303	7803971	521106	52	40	<1	500	25	20
Q0567304	7804369	521071	52	35	<1	230	25	20
Q0567305	7804767	521035	52	35	<1	290	35	20
Q0567306	7805165	521000	52	40	<1	260	30	20
Q0567307	7805563	520965	52	30	<1	240	25	20
Q0567308	7805961	520929	52	30	<1	290	35	30
Q0567309	7806359	520894	52	25	<1	220	25	20
Q0567310	7806757	520859	52	30	<1	250	25	20
Q0567311	7807155	520823	52	50	<1	620	25	20
Q0567312	7807553	520788	52	35	<1	320	25	20
Q0567313	7807952	520753	52	45	<1	290	25	20
Q0567314	7808350	520717	52	40	<1	500	25	10
Q0567315	7808748	520682	52	40	<1	460	25	20
Q0567316	7809146	520647	52	50	<1	620	30	20
Q0567317	7809544	520611	52	45	<1	450	30	20
Q0567318	7809942	520576	52	45	<1	620	30	10
Q0567319	7810340	520541	52	45	<1	600	30	10
Q0567320	7810738	520505	52	50	<1	960	20	<10
Q0567321	7811136	520470	52	50	<1	620	20	<10
Q0567322	7811534	520434	52	55	<1	590	15	<10
Q0567323	7811932	520399	52	45	<1	490	25	10
Q0567324	7812331	520364	52	45	<1	890	15	<10
Q0567325	7812729	520328	52	40	<1	630	25	20
Q0567326	7813127	520293	52	50	<1	240	35	20
Q0567327	7813525	520258	52	45	<1	200	40	30
Q0567328	7813923	520222	52		NO SAMPLE			

TANAMI RECONN LAGS/SOILS - SE52-15

DIG. TECH	ASS. TECH	HESH SIZE	SAMPLE NUMBER	NORTHING	EASTING	ANG	ZONE	PYSTB	AU30	PYSTB	PYSTB	PYSTB
								AAHYD	AUSL2	AASPL	AA	AA
								-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm
								AS	AU	CR	CU	NI
								PPH	PPB	PPH	PPH	PPH
			Q0567329	7814321	520187	52						
			Q0567330	7814719	520152	52						
			Q0567331	7784730	515008	52		20	<1	360	20	10
			Q0567332	7784914	514653	52		25	1	350	20	10
			Q0567333	7785099	514299	52		30	<1	350	25	20
			Q0567334	7785283	513944	52		30	<1	260	25	20
			Q0567335	7785468	513589	52		25	<1	300	20	20
			Q0567336	7785653	513235	52		30	<1	380	25	20
			Q0567337	7785837	512880	52		30	<1	280	25	20
			Q0567338	7786022	512526	52		25	<1	160	25	20
			Q0567339	7786206	512171	52		25	<1	140	20	10
			Q0567340	7786391	511817	52		35	<1	260	15	10
			Q0567341	7786575	511462	52		35	<1	340	20	10
			Q0567342	7786760	511108	52		30	<1	280	20	20
			Q0567343	7786944	510753	52		15	<1	280	10	10
			Q0567344	7787129	510399	52		20	<1	180	15	20
			Q0567345	7787313	510044	52						
			Q0567346	7787498	509690	52		40	<1	140	15	20
			Q0567347	7787683	509335	52		45	<1	180	20	10
			Q0567348	7787867	508980	52		35	<1	210	15	20
			Q0567349	7788052	508626	52		30	<1	140	20	20
			Q0567350	7788236	508271	52		35	<1	90	30	20
			Q0567351	7788421	507917	52		35	<1	120	35	20
			Q0567352	7788560	507811	52		35	<1	110	25	20
			Q0567353	7788748	507453	52		45	<1	130	30	20
			Q0567354	7788937	507095	52		35	<1	60	50	20
			Q0567355	7789125	506736	52		90	<1	110	40	20
			Q0567356	7789314	506378	52		135	<1	80	35	20
			Q0567357	7789502	506020	52						
			Q0567358	7789691	505661	52		75	<1	210	50	40
			Q0567359	7790101	505629	52		70	<1	180	30	20
			Q0567360	7790499	505604	52		60	<1	270	30	20
			Q0567361	7790898	505578	52		65	<1	210	30	30
			Q0567362	7791296	505552	52		70	<1	210	30	30
			Q0567363	7791695	505527	52		40	2	250	20	20
			Q0567364	7792094	505501	52						
			Q0567365	7792492	505476	52						
			Q0567366	7792891	505450	52						
			Q0567367	7793289	505424	52						
			Q0567368	7793688	505399	52						
			Q0567369	7794086	505373	52						

TANAMI RECONN LAGS/SOILS - SE52-15

6. TECH					PYSTB	AU30	PYSTB	PYSTB	PYSTB
6. TECH					AAHYD	AUSL2	AASPL	AA	AA
MESH SIZE					-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm
SAMPLE	NORTHING	EASTING	AMG	AS	AU	CR	CU	NI	
NUMBER	ANG	ANG	ZONE	PPH	PPB	PPH	PPH	PPH	
00567370	7794485	505348	52						
00567371	7794883	505322	52						
00567372	7795282	505296	52						
00567373	7795681	505271	52						
00567374	7796079	505245	52						
00567375	7796478	505220	52						
00567376	7796876	505194	52						
00567377	7797275	505168	52						
00567378	7797673	505143	52						
00567379	7798072	505117	52	35	<1	100	20	20	
00567380	7798471	505092	52	30	<1	70	15	20	
00567381	7798869	505066	52	60	<1	140	30	30	

NO SAMPLE

APPENDIX 2

WMC lag sampling programs.

AREA 21b

COOMARIE

COOMARIE EXTENSIONS

WMC rock chip samples

AREA 21b

APPENDIX 2

SAMPLE NUMBER STRINGS FOR LAG GEOCHEMICAL TRAVERSES.

AREA 21B

CM 1	QD518193 - 231
CM 2	QD518275 - 288
CM 3	QD518161 - 192
CM 4	QD518289 - 299
CM 5	QD518135 - 160
CM 6	QD518457 - 476
CM 7	QD518116 - 134
CM 8	QD518477 - 481
CM 9	QD518300 - 330, QD518092 - 115, QD518232 - 242
CM 10	QD518482
CM 11	QD518331 - 369, QD518060 - 091, QD518243 - 254
CM 13	QD518370 - 392, QD518037 - 059, QD518255 - 274
CM 15	QD518393 - 412, QD518012 - 036
CM 17	QD518413 - 456, QD518001 - 011

COOMARIE

CM 41	QD559728 - 800
CM 42	QD559801 - 873
CM 43	QD518549 - 621
CM 44	QD518622 - 682
CM 45	QD518694 - 743
CM 51	QD559975 - QD560000

COOMARIE EXTENSIONS

CM 36	QD563731 - 753
CM 37	QD563754 - 776
CM 53	QD964906 - 936

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD518549	7805016	527790	52	CM43	000	<5	<1	260	5	
QD518550	7805016	527890	52	CM43	100	5	<1	320	10	
QD518551	7805016	527990	52	CM43	200	10	<1	260	10	
QD518552	7805016	528090	52	CM43	300	5	<1	90	15	
QD518553	7805016	528190	52	CM43	400	5	<1	270	15	
QD518554	7805016	528290	52	CM43	500	<5	<1	190	5	
QD518555	7805016	528389	52	CM43	600	10	<1	590	25	
QD518556	7805016	528489	52	CM43	700	10	<1	480	25	
QD518557	7805016	528589	52	CM43	800	15	<1	690	40	
QD518558	7805016	528689	52	CM43	900	25	<1	640	55	
QD518559	7805016	528789	52	CM43	1000	30	<1	620	60	
QD518560	7805016	528888	52	CM43	1100	35	<1	660	60	
QD518561	7805016	528988	52	CM43	1200	15	<1	460	65	
QD518562	7805016	529088	52	CM43	1300	15	<1	750	55	
QD518563	7805016	529188	52	CM43	1400	20	<1	620	75	
QD518564	7805016	529288	52	CM43	1500	25	<1	650	80	
QD518565	7805016	529387	52	CM43	1600	30	2	760	70	
QD518566	7805016	529487	52	CM43	1700	25	1	870	55	
QD518567	7805016	529587	52	CM43	1800	15	<1	810	55	
QD518568	7805016	529687	52	CM43	1900	20	<1	580	40	
QD518569	7805016	529787	52	CM43	2000	35	<1	740	40	
QD518570	7805016	529886	52	CM43	2100	40	<1	460	35	
QD518571	7805016	529986	52	CM43	2200	40	<1	570	35	
QD518572	7805016	530086	52	CM43	2300	45	<1	440	35	
QD518573	7805016	530186	52	CM43	2400	40	<1	340	40	
QD518574	7805016	530286	52	CM43	2500	70	<1	430	30	
QD518575	7805016	530386	52	CM43	2600	65	<1	430	30	
QD518576	7805015	530485	52	CM43	2700	50	<1	510	15	
QD518577	7805015	530585	52	CM43	2800	65	<1	440	25	
QD518578	7805015	530685	52	CM43	2900	60	<1	420	25	
QD518579	7805015	530785	52	CM43	3000	65	<1	400	30	
QD518580	7805015	530885	52	CM43	3100	70	<1	370	25	
QD518581	7805015	530984	52	CM43	3200	55	<1	340	25	
QD518582	7805015	531084	52	CM43	3300	80	<1	350	25	
QD518583	7805015	531184	52	CM43	3400	100	<1	280	45	
QD518584	7805015	531284	52	CM43	3500	80	<1	340	40	
QD518585	7805015	531384	52	CM43	3600	80	<1	410	40	
QD518586	7805015	531483	52	CM43	3700	70	<1	330	40	
QD518587	7805015	531583	52	CM43	3800	60	<1	520	35	
QD518588	7805015	531683	52	CM43	3900	20	<1	260	20	
QD518589	7805015	531783	52	CM43	4000	25	<1	450	25	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD518590	7805015	531883	52	CM43	4100	15	<1	350	25	
QD518591	7805015	531982	52	CM43	4200	15	<1	370	25	
QD518592	7805015	532082	52	CM43	4300	15	<1	280	45	
QD518593	7805015	532182	52	CM43	4400	15	<1	420	50	
QD518594	7805015	532282	52	CM43	4500	25	<1	410	40	
QD518595	7805015	532382	52	CM43	4600	15	<1	500	30	
QD518596	7805015	532482	52	CM43	4700	30	<1	580	45	
QD518597	7805015	532581	52	CM43	4800	10	<1	410	20	
QD518598	7805015	532681	52	CM43	4900	25	3	530	35	
QD518599	7805015	532781	52	CM43	5000	15	<1	500	25	
QD518600	7805015	532881	52	CM43	5100	25	<1	660	45	
QD518601	7805015	532981	52	CM43	5200	30	<1	510	45	
QD518602	7805015	533080	52	CM43	5300	15	<1	510	30	
QD518603	7805015	533180	52	CM43	5400	15	<1	400	30	
QD518604	7805014	533280	52	CM43	5500	20	<1	480	50	
QD518605	7805014	533380	52	CM43	5600	25	<1	490	55	
QD518606	7805014	533480	52	CM43	5700	25	1	640	55	
QD518607	7805014	533579	52	CM43	5800	25	1	600	55	
QD518608	7805014	533679	52	CM43	5900	20	<1	570	45	
QD518609	7805014	533779	52	CM43	6000	25	<1	540	55	
QD518610	7805014	533879	52	CM43	6100	30	<1	490	55	
QD518611	7805014	533979	52	CM43	6200	35	<1	600	60	
QD518612	7805014	534078	52	CM43	6300	35	<1	560	60	
QD518613	7805014	534178	52	CM43	6400	25	<1	340	45	
QD518614	7805014	534278	52	CM43	6500	20	<1	320	40	
QD518615	7805014	534378	52	CM43	6600	35	<1	350	55	
QD518616	7805014	534478	52	CM43	6700	35	<1	410	60	
QD518617	7805014	534578	52	CM43	6800	35	<1	560	65	
QD518618	7805014	534677	52	CM43	6900	35	<1	530	60	
QD518619	7805014	534777	52	CM43	7000	65	<1	460	50	
QD518620	7805014	534877	52	CM43	7100	155	<1	300	25	
QD518621	7805014	534977	52	CM43	7200	95	<1	230	20	
QD518622	7805806	527791	52	CM44	000	10	<1	40	10	
QD518623	7805806	527891	52	CM44	100					
QD518624	7805806	527991	52	CM44	200					
QD518625	7805806	528091	52	CM44	300					
QD518626	7805806	528191	52	CM44	400	5	<1	50	15	
QD518627	7805806	528291	52	CM44	500	<5	<1	150	5	
QD518628	7805806	528392	52	CM44	600	5	1	20	5	
QD518629	7805806	528492	52	CM44	700	5	<1	330	15	
QD518630	7805806	528592	52	CM44	800	5	<1	310	15	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD518631	7805806	528692	52	CM44	900	<5	<1	260	5	
QD518632	7805806	528792	52	CM44	1000	5	<1	250	10	
QD518633	7805806	528892	52	CM44	1100	<5	<1	80	5	
QD518634	7805806	528992	52	CM44	1200	5	<1	250	25	
QD518635	7805806	529092	52	CM44	1300	15	<1	540	35	
QD518636	7805806	529192	52	CM44	1400	15	<1	650	40	
QD518637	7805806	529292	52	CM44	1500	20	<1	700	45	
QD518638	7805806	529392	52	CM44	1600	20	<1	620	30	
QD518639	7805806	529492	52	CM44	1700	15	3	470	35	
QD518640	7805807	529592	52	CM44	1800	10	<1	350	15	
QD518641	7805807	529693	52	CM44	1900	25	<1	600	35	
QD518642	7805807	529793	52	CM44	2000	5	<1	230	10	
QD518643	7805807	529893	52	CM44	2100	5	<1	200	10	
QD518644	7805807	529993	52	CM44	2200	5	<1	160	10	
QD518645	7805807	530093	52	CM44	2300	20	<1	260	20	
QD518646	7805807	530193	52	CM44	2400	25	<1	440	25	
QD518647	7805807	530293	52	CM44	2500	35	<1	420	45	
QD518648	7805807	530393	52	CM44	2600	25	<1	470	25	
QD518649	7805807	530493	52	CM44	2700	15	<1	320	20	
QD518650	7805807	530593	52	CM44	2800	40	<1	540	40	
QD518651	7805807	530693	52	CM44	2900	25	<1	430	20	
QD518652	7805807	530793	52	CM44	3000	15	<1	330	20	
QD518653	7805807	530894	52	CM44	3100	20	<1	380	20	
QD518654	7805807	530994	52	CM44	3200	20	<1	450	25	
QD518655	7805807	531094	52	CM44	3300	15	<1	460	20	
QD518656	7805807	531194	52	CM44	3400	20	<1	540	25	
QD518657	7805807	531294	52	CM44	3500	20	<1	290	30	
QD518658	7805807	531394	52	CM44	3600	30	<1	450	45	
QD518659	7805807	531494	52	CM44	3700	25	<1	490	30	
QD518660	7805807	531594	52	CM44	3800	25	<1	390	40	
QD518661	7805807	531694	52	CM44	3900	15	<1	530	30	
QD518662	7805807	531794	52	CM44	4000	15	<1	570	25	
QD518663	7805807	531894	52	CM44	4100	5	8	160	10	
QD518664	7805808	531994	52	CM44	4200	10	<1	310	15	
QD518665	7805808	532095	52	CM44	4300	<5	1	100	10	
QD518666	7805808	532195	52	CM44	4400	<5	<1	100	15	
QD518667	7805808	532295	52	CM44	4500	5	1	90	15	
QD518668	7805808	532395	52	CM44	4600	5	1	390	15	
QD518669	7805808	532495	52	CM44	4700	5	<1	260	15	
QD518670	7805808	532595	52	CM44	4800	5	<1	160	10	
QD518671	7805808	532695	52	CM44	4900	10	<1	310	15	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG LINE	LINE		AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE NO	PLACE		PPM	PPB	PPM	PPM	
QD518672	7805808	532795	52 CM44	5000		10	<1	280	20	
QD518673	7805808	532895	52 CM44	5100		10	<1	280	20	
QD518674	7805808	532995	52 CM44	5200		20	<1	430	40	
QD518675	7805808	533095	52 CM44	5300		25	1	440	50	
QD518676	7805808	533195	52 CM44	5400		25	<1	470	65	
QD518677	7805808	533295	52 CM44	5500		15	<1	360	30	
QD518678	7805808	533396	52 CM44	5600		25	<1	470	55	
QD518679	7805808	533496	52 CM44	5700		25	<1	410	50	
QD518680	7805808	533596	52 CM44	5800		20	<1	280	45	
QD518681	7805808	533696	52 CM44	5900		30	<1	420	70	
QD518682	7805808	533796	52 CM44	6000		30	1	660	70	
QD518694	7806605	528799	52 CM45	000		10	<1	300	15	
QD518695	7806606	528901	52 CM45	100		15	<1	340	15	
QD518696	7806606	529003	52 CM45	200		10	<1	340	20	
QD518697	7806606	529104	52 CM45	300		15	<1	400	15	
QD518698	7806607	529206	52 CM45	400						
QD518699	7806607	529308	52 CM45	500		5	<1	120	10	
QD518700	7806607	529410	52 CM45	600		10	<1	80	25	
QD518701	7806608	529512	52 CM45	700		5	<1	220	10	
QD518702	7806608	529614	52 CM45	800		<5	<1	270	5	
QD518703	7806608	529716	52 CM45	900		<5	1	160	5	
QD518704	7806609	529818	52 CM45	1000		<5	<1	170	<5	
QD518705	7806609	529920	52 CM45	1100		20	1	470	35	
QD518706	7806610	530022	52 CM45	1200		30	<1	490	35	
QD518707	7806610	530123	52 CM45	1300		40	<1	500	40	
QD518708	7806610	530225	52 CM45	1400		55	<1	570	35	
QD518709	7806611	530327	52 CM45	1500		60	<1	410	35	
QD518710	7806611	530429	52 CM45	1600		55	<1	370	35	
QD518711	7806611	530531	52 CM45	1700		40	<1	340	35	
QD518712	7806612	530633	52 CM45	1800		55	<1	520	35	
QD518713	7806612	530735	52 CM45	1900		60	<1	660	35	
QD518714	7806612	530837	52 CM45	2000		85	<1	430	25	
QD518715	7806613	530939	52 CM45	2100		95	1	350	35	
QD518716	7806613	531041	52 CM45	2200		55	<1	520	35	
QD518717	7806613	531142	52 CM45	2300		90	<1	470	35	
QD518718	7806614	531244	52 CM45	2400		105	<1	480	35	
QD518719	7806614	531346	52 CM45	2500		40	<1	690	40	
QD518720	7806614	531448	52 CM45	2600		30	<1	720	40	
QD518721	7806615	531550	52 CM45	2700		15	<1	820	45	
QD518722	7806615	531652	52 CM45	2800		20	<1	840	40	
QD518723	7806616	531754	52 CM45	2900		20	<1	680	45	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD518724	7806616	531856	52	CM45	3000	25	<1	780	40	
QD518725	7806616	531958	52	CM45	3100	20	<1	610	50	
QD518726	7806617	532060	52	CM45	3200	25	<1	570	55	
QD518727	7806617	532161	52	CM45	3300	15	<1	750	50	
QD518728	7806617	532263	52	CM45	3400	20	<1	630	65	
QD518729	7806618	532365	52	CM45	3500	5	<1	720	40	
QD518730	7806618	532467	52	CM45	3600	10	<1	390	100	
QD518731	7806618	532569	52	CM45	3700	15	<1	300	100	
QD518732	7806619	532671	52	CM45	3800	25	<1	300	110	
QD518733	7806619	532773	52	CM45	3900	20	<1	370	90	
QD518734	7806619	532875	52	CM45	4000	30	<1	380	65	
QD518735	7806620	532977	52	CM45	4100	30	<1	400	80	
QD518736	7806620	533079	52	CM45	4200	30	<1	330	65	
QD518737	7806620	533180	52	CM45	4300	30	<1	360	70	
QD518738	7806621	533282	52	CM45	4400	35	<1	530	80	
QD518739	7806621	533384	52	CM45	4500					
QD518740	7806622	533486	52	CM45	4600	35	<1	400	80	
QD518741	7806622	533588	52	CM45	4700	30	<1	240	65	
QD518742	7806622	533690	52	CM45	4800	25	<1	290	65	
QD518743	7806623	533792	52	CM45	4900	35	<1	460	70	
QD559728	7803415	527797	52	CM41	000	10	<1	290	10	
QD559729	7803415	527896	52	CM41	100	10	<1	260	15	
QD559730	7803415	527996	52	CM41	200	5	<1	240	5	
QD559731	7803415	528096	52	CM41	300	15	<1	280	20	
QD559732	7803415	528196	52	CM41	400	5	<1	280	5	
QD559733	7803415	528296	52	CM41	500	10	<1	270	15	
QD559734	7803415	528396	52	CM41	600	10	<1	250	20	
QD559735	7803415	528495	52	CM41	700	20	<1	260	35	
QD559736	7803415	528595	52	CM41	800	10	<1	320	15	
QD559737	7803415	528695	52	CM41	900	10	<1	290	20	
QD559738	7803415	528795	52	CM41	1000					
QD559739	7803415	528895	52	CM41	1100	30	<1	470	40	
QD559740	7803415	528995	52	CM41	1200	35	<1	470	30	
QD559741	7803415	529094	52	CM41	1300	50	<1	460	35	
QD559742	7803415	529194	52	CM41	1400	45	<1	390	45	
QD559743	7803415	529294	52	CM41	1500	70	<1	560	45	
QD559744	7803415	529394	52	CM41	1600	80	<1	490	50	
QD559745	7803415	529494	52	CM41	1700	90	<1	540	45	
QD559746	7803415	529594	52	CM41	1800	80	<1	460	40	
QD559747	7803415	529694	52	CM41	1900	80	<1	670	35	
QD559748	7803415	529793	52	CM41	2000	65	<1	460	35	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD559749	7803415	529893	52	CM41	2100	70	<1	540	40	
QD559750	7803415	529993	52	CM41	2200	40	<1	200	45	
QD559751	7803415	530093	52	CM41	2300	50	<1	380	40	
QD559752	7803415	530193	52	CM41	2400	60	<1	340	30	
QD559753	7803415	530293	52	CM41	2500	50	<1	250	30	
QD559754	7803415	530392	52	CM41	2600	50	<1	230	30	
QD559755	7803415	530492	52	CM41	2700	60	<1	230	30	
QD559756	7803415	530592	52	CM41	2800	60	<1	220	35	
QD559757	7803415	530692	52	CM41	2900	80	<1	210	35	
QD559758	7803415	530792	52	CM41	3000	65	<1	120	70	
QD559759	7803415	530892	52	CM41	3100	75	<1	200	30	
QD559760	7803415	530992	52	CM41	3200	105	<1	220	30	
QD559761	7803415	531091	52	CM41	3300	115	<1	180	35	
QD559762	7803415	531191	52	CM41	3400	65	<1	110	40	
QD559763	7803415	531291	52	CM41	3500	100	<1	240	35	
QD559764	7803415	531391	52	CM41	3600	120	<1	310	40	
QD559765	7803415	531491	52	CM41	3700	85	<1	420	35	
QD559766	7803415	531591	52	CM41	3800	85	<1	340	45	
QD559767	7803415	531690	52	CM41	3900	65	<1	380	50	
QD559768	7803415	531790	52	CM41	4000	50	<1	280	40	
QD559769	7803415	531890	52	CM41	4100	45	<1	410	40	
QD559770	7803415	531990	52	CM41	4200	30	<1	490	30	
QD559771	7803415	532090	52	CM41	4300	20	<1	490	25	
QD559772	7803415	532190	52	CM41	4400	25	1	540	50	
QD559773	7803415	532290	52	CM41	4500	25	<1	510	50	
QD559774	7803415	532389	52	CM41	4600	30	<1	430	55	
QD559775	7803415	532489	52	CM41	4700	30	<1	510	40	
QD559776	7803415	532589	52	CM41	4800	20	<1	320	35	
QD559777	7803415	532689	52	CM41	4900	15	<1	360	20	
QD559778	7803415	532789	52	CM41	5000	20	<1	480	25	
QD559779	7803415	532889	52	CM41	5100	20	1	350	20	
QD559780	7803415	532988	52	CM41	5200	20	1	380	25	
QD559781	7803415	533088	52	CM41	5300	30	2	540	45	
QD559782	7803415	533188	52	CM41	5400	30	<1	570	40	
QD559783	7803415	533288	52	CM41	5500	25	<1	460	35	
QD559784	7803415	533388	52	CM41	5600	35	<1	500	35	
QD559785	7803415	533488	52	CM41	5700	40	1	420	35	
QD559786	7803415	533587	52	CM41	5800	40	<1	330	30	
QD559787	7803415	533687	52	CM41	5900	35	<1	270	35	
QD559788	7803415	533787	52	CM41	6000	40	<1	340	25	
QD559789	7803415	533887	52	CM41	6100	45	1	380	25	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD559790	7803415	533987	52	CM41	6200	55	1	340	25	
QD559791	7803415	534087	52	CM41	6300	50	<1	330	25	
QD559792	7803415	534187	52	CM41	6400	45	<1	360	25	
QD559793	7803415	534286	52	CM41	6500	55	<1	350	20	
QD559794	7803415	534386	52	CM41	6600	50	<1	260	25	
QD559795	7803415	534486	52	CM41	6700	60	2	250	20	
QD559796	7803415	534586	52	CM41	6800	55	<1	190	20	
QD559797	7803415	534686	52	CM41	6900	70	<1	260	20	
QD559798	7803415	534786	52	CM41	7000	55	<1	280	20	
QD559799	7803415	534885	52	CM41	7100	35	<1	150	20	
QD559800	7803415	534985	52	CM41	7200	60	<1	260	20	
QD559801	7804210	527790	52	CM42	000	5	<1	260	5	
QD559802	7804210	527890	52	CM42	100	5	<1	610	10	
QD559803	7804210	527990	52	CM42	200	<5	<1	230	5	
QD559804	7804210	528090	52	CM42	300	5	<1	260	10	
QD559805	7804210	528190	52	CM42	400	10	<1	310	15	
QD559806	7804209	528290	52	CM42	500	5	<1	270	15	
QD559807	7804209	528390	52	CM42	600					
QD559808	7804209	528490	52	CM42	700	20	1	590	30	
QD559809	7804209	528590	52	CM42	800	20	<1	660	30	
QD559810	7804209	528690	52	CM42	900	20	<1	660	40	
QD559811	7804209	528790	52	CM42	1000	15	<1	500	50	
QD559812	7804209	528890	52	CM42	1100	20	<1	510	50	
QD559813	7804209	528990	52	CM42	1200	25	<1	620	50	
QD559814	7804209	529090	52	CM42	1300	30	<1	610	45	
QD559815	7804209	529190	52	CM42	1400	20	<1	960	35	
QD559816	7804209	529290	52	CM42	1500	30	<1	970	40	
QD559817	7804209	529390	52	CM42	1600	30	<1	450	55	
QD559818	7804209	529490	52	CM42	1700	35	<1	590	50	
QD559819	7804209	529590	52	CM42	1800	30	<1	640	70	
QD559820	7804209	529690	52	CM42	1900	30	<1	790	65	
QD559821	7804209	529790	52	CM42	2000	35	<1	640	45	
QD559822	7804209	529890	52	CM42	2100	55	<1	670	40	
QD559823	7804209	529990	52	CM42	2200	55	<1	360	40	
QD559824	7804209	530090	52	CM42	2300	60	<1	370	40	
QD559825	7804209	530190	52	CM42	2400	75	<1	530	35	
QD559826	7804209	530290	52	CM42	2500	75	<1	550	35	
QD559827	7804209	530390	52	CM42	2600	80	<1	430	30	
QD559828	7804209	530490	52	CM42	2700	85	<1	380	30	
QD559829	7804209	530590	52	CM42	2800	85	<1	310	25	
QD559830	7804209	530690	52	CM42	2900	75	<1	260	25	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD559831	7804209	530790	52	CM42	3000	80	<1	180	25	
QD559832	7804208	530890	52	CM42	3100	75	<1	290	25	
QD559833	7804208	530990	52	CM42	3200	65	<1	140	30	
QD559834	7804208	531090	52	CM42	3300	65	<1	180	25	
QD559835	7804208	531190	52	CM42	3400	105	<1	150	40	
QD559836	7804208	531290	52	CM42	3500	135	<1	520	30	
QD559837	7804208	531390	52	CM42	3600	130	<1	610	30	
QD559838	7804208	531490	52	CM42	3700	100	<1	490	45	
QD559839	7804208	531590	52	CM42	3800	90	<1	630	40	
QD559840	7804208	531690	52	CM42	3900	80	<1	470	45	
QD559841	7804208	531790	52	CM42	4000	65	<1	470	40	
QD559842	7804208	531890	52	CM42	4100	35	<1	400	35	
QD559843	7804208	531990	52	CM42	4200	35	<1	470	30	
QD559844	7804208	532090	52	CM42	4300	40	1	410	35	
QD559845	7804208	532190	52	CM42	4400	35	<1	510	45	
QD559846	7804208	532290	52	CM42	4500	25	<1	510	30	
QD559847	7804208	532390	52	CM42	4600	30	<1	640	45	
QD559848	7804208	532490	52	CM42	4700	10	<1	370	20	
QD559849	7804208	532590	52	CM42	4800	10	<1	300	15	
QD559850	7804208	532690	52	CM42	4900	40	<1	710	50	
QD559851	7804208	532791	52	CM42	5000	20	<1	340	20	
QD559852	7804208	532891	52	CM42	5100	<5	1	180	5	
QD559853	7804208	532991	52	CM42	5200	15	<1	270	15	
QD559854	7804208	533091	52	CM42	5300	30	<1	490	25	
QD559855	7804208	533191	52	CM42	5400	5	1	60	20	
QD559856	7804208	533291	52	CM42	5500	25	<1	360	20	
QD559857	7804208	533391	52	CM42	5600	25	1	480	20	
QD559858	7804207	533491	52	CM42	5700	35	<1	550	40	
QD559859	7804207	533591	52	CM42	5800	35	1	390	25	
QD559860	7804207	533691	52	CM42	5900	40	<1	330	25	
QD559861	7804207	533791	52	CM42	6000	40	22	390	30	
QD559862	7804207	533891	52	CM42	6100	35	1	400	20	
QD559863	7804207	533991	52	CM42	6200	35	<1	470	20	
QD559864	7804207	534091	52	CM42	6300	40	1	430	25	
QD559865	7804207	534191	52	CM42	6400	30	<1	460	20	
QD559866	7804207	534291	52	CM42	6500	30	1	360	25	
QD559867	7804207	534391	52	CM42	6600	35	<1	410	25	
QD559868	7804207	534491	52	CM42	6700	45	1	370	25	
QD559869	7804207	534591	52	CM42	6800	70	<1	850	25	
QD559870	7804207	534691	52	CM42	6900	60	<1	550	25	
QD559871	7804207	534791	52	CM42	7000	90	<1	550	25	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD559872	7804207	534891	52	CM42	7100	95	<1	490	20	
QD559873	7804207	534991	52	CM42	7200	90	<1	500	20	
QD559975	7807326	534761	52	CM51	000	20	<1	1290	20	
QD559976	7807326	534861	52	CM51	100	10	42	820	15	
QD559977	7807326	534961	52	CM51	200					
QD559978	7807326	535061	52	CM51	300	10	<1	860	15	
QD559979	7807326	535161	52	CM51	400	10	<1	810	15	
QD559980	7807326	535261	52	CM51	500	10	<1	730	15	
QD559981	7807326	535361	52	CM51	600	15	<1	1010	20	
QD559982	7807326	535461	52	CM51	700	10	<1	940	15	
QD559983	7807326	535561	52	CM51	800	10	<1	580	10	
QD559984	7807326	535662	52	CM51	900	15	<1	1240	20	
QD559985	7807326	535762	52	CM51	1000	5	<1	530	10	
QD559986	7807326	535862	52	CM51	1100	5	1	510	10	
QD559987	7807326	535962	52	CM51	1200					
QD559988	7807326	536062	52	CM51	1300	5	1	370	5	
QD559989	7807326	536162	52	CM51	1400	5	1	360	10	
QD559990	7807326	536262	52	CM51	1500	<5	<1	220	5	
QD559991	7807326	536362	52	CM51	1600	<5	1	290	5	
QD559992	7807326	536462	52	CM51	1700	5	1	240	5	
QD559993	7807326	536563	52	CM51	1800	<5	1	300	5	
QD559994	7807326	536663	52	CM51	1900	5	1	250	5	
QD559995	7807326	536763	52	CM51	2000	5	1	190	5	
QD559996	7807326	536863	52	CM51	2100	5	1	220	5	
QD559997	7807326	536963	52	CM51	2200	5	1	170	5	
QD559998	7807326	537063	52	CM51	2300	<5	1	180	5	
QD559999	7807326	537163	52	CM51	2400	<5	9	190	5	
QD560000	7807326	537263	52	CM51	2500	10	2	110	5	

Number of data records printed = 356

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD469906	7808129	534260	52	CM53	000	10	1	910	15	
QD469907	7808129	534360	52	CM53	100	10	1	520	15	
QD469908	7808129	534461	52	CM53	200	30	<1	1430	30	
QD469909	7808129	534561	52	CM53	300	20	1	1850	40	
QD469910	7808129	534661	52	CM53	400	25	<1	2600	40	
QD469911	7808129	534761	52	CM53	500	25	<1	1680	30	
QD469912	7808129	534861	52	CM53	600	25	<1	1730	35	
QD469913	7808129	534961	52	CM53	700	25	<1	820	30	
QD469914	7808129	535061	52	CM53	800	25	<1	1130	35	
QD469915	7808129	535161	52	CM53	900	35	<1	1490	40	
QD469916	7808129	535261	52	CM53	1000	40	<1	1070	25	
QD469917	7808129	535361	52	CM53	1100	30	<1	500	20	
QD469918	7808129	535462	52	CM53	1200	60	<1	1280	30	
QD469919	7808129	535562	52	CM53	1300	95	<1	1140	30	
QD469920	7808129	535662	52	CM53	1400	30	<1	610	20	
QD469921	7808129	535762	52	CM53	1500	40	<1	1750	30	
QD469922	7808129	535862	52	CM53	1600	15	<1	700	10	
QD469923	7808129	535962	52	CM53	1700	10	1	520	10	
QD469924	7808129	536062	52	CM53	1800	15	<1	730	10	
QD469925	7808129	536162	52	CM53	1900	10	<1	530	10	
QD469926	7808129	536262	52	CM53	2000	30	<1	1550	20	
QD469927	7808129	536363	52	CM53	2100	30	<1	1790	15	
QD469928	7808129	536463	52	CM53	2200	5	<1	220	5	
QD469929	7808129	536563	52	CM53	2300	5	1	200	5	
QD469930	7808129	536663	52	CM53	2400	10	1	210	10	
QD469931	7808129	536763	52	CM53	2500	5	1	190	5	
QD469932	7808129	536863	52	CM53	2600	<5	<1	190	5	
QD469933	7808129	536963	52	CM53	2700	5	2	160	5	
QD469934	7808128	537063	52	CM53	2800	5	1	150	5	
QD469935	7808128	537163	52	CM53	2900	<5	1	130	5	
QD469936	7808128	537263	52	CM53	3000	<5	2	130	5	
QD563731	7800964	544457	52	CM36	7100	10	<1	1100	40	
QD563732	7801064	544454	52	CM36	7200	15	<1	1090	35	
QD563733	7801165	544452	52	CM36	7300	10	<1	1100	35	
QD563734	7801265	544450	52	CM36	7400	10	<1	1140	40	
QD563735	7801365	544448	52	CM36	7500	15	<1	770	50	
QD563736	7801466	544446	52	CM36	7600	15	<1	1320	45	
QD563737	7801566	544444	52	CM36	7700	15	<1	1330	50	
QD563738	7801666	544441	52	CM36	7800	15	<1	970	55	
QD563739	7801767	544439	52	CM36	7900	15	<1	1530	45	
QD563740	7801867	544437	52	CM36	8000	20	<1	990	55	

TANAMI RECONN LAGS/SOILS - SE52-15

DIG.TECH						PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH						AAHYD	AUSL2	AASPL	AA	A
MESH SIZE						-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	NORTHING	EASTING	AMG	LINE	LINE	AS	AU	CR	CU	
NUMBER	AMG	AMG	ZONE	NO	PLACE	PPM	PPB	PPM	PPM	
QD563741	7801967	544435	52	CM36	8100	15	<1	1190	55	
QD563742	7802068	544433	52	CM36	8200	15	<1	1370	75	
QD563743	7802168	544430	52	CM36	8300	15	<1	1200	70	
QD563744	7802268	544428	52	CM36	8400	15	<1	1320	70	
QD563745	7802369	544426	52	CM36	8500	10	<1	1450	55	
QD563746	7802469	544424	52	CM36	8600	15	<1	1230	100	
QD563747	7802569	544422	52	CM36	8700	15	<1	1870	85	
QD563748	7802670	544419	52	CM36	8800	30	<1	1570	115	
QD563749	7802770	544417	52	CM36	8900	40	<1	1080	100	
QD563750	7802870	544415	52	CM36	9000	55	<1	1140	75	
QD563751	7802970	544413	52	CM36	9100	35	<1	1080	40	
QD563752	7803071	544411	52	CM36	9200	15	<1	190	25	
QD563753	7803171	544408	52	CM36	9300	15	<1	250	15	
QD563754	7800962	545394	52	CM37	7100	10	<1	1580	50	
QD563755	7801063	545394	52	CM37	7200	5	<1	1410	45	
QD563756	7801164	545394	52	CM37	7300	5	<1	1460	40	
QD563757	7801265	545394	52	CM37	7400	5	<1	1360	40	
QD563758	7801366	545395	52	CM37	7500	15	<1	1080	50	
QD563759	7801467	545395	52	CM37	7600	15	<1	1230	45	
QD563760	7801569	545395	52	CM37	7700	15	<1	1630	60	
QD563761	7801670	545395	52	CM37	7800	15	<1	1450	50	
QD563762	7801771	545395	52	CM37	7900	15	<1	1410	60	
QD563763	7801872	545395	52	CM37	8000	15	<1	1190	75	
QD563764	7801973	545395	52	CM37	8100	10	<1	960	60	
QD563765	7802075	545395	52	CM37	8200	15	<1	1070	80	
QD563766	7802176	545395	52	CM37	8300	15	<1	1030	85	
QD563767	7802277	545395	52	CM37	8400	15	<1	920	115	
QD563768	7802378	545396	52	CM37	8500	20	<1	870	115	
QD563769	7802479	545396	52	CM37	8600	40	<1	880	140	
QD563770	7802580	545396	52	CM37	8700	35	<1	1310	125	
QD563771	7802682	545396	52	CM37	8800	50	<1	1330	65	
QD563772	7802783	545396	52	CM37	8900	25	<1	1400	40	
QD563773	7802884	545396	52	CM37	9000	30	<1	890	55	
QD563774	7802985	545396	52	CM37	9100	20	<1	830	35	
QD563775	7803086	545396	52	CM37	9200	15	<1	180	20	
QD563776	7803188	545396	52	CM37	9300	5	<1	170	10	

Number of data records printed = 77

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518193	CM01	3020	55	<1	400	65	5	170	40	
QD518194	CM01	3060	45	<1	400	65	5	170	40	
QD518195	CM01	3100	50	<1	390	70	5	180	40	
QD518196	CM01	3140	55	<1	400	70	5	170	40	
QD518197	CM01	3180	60	<1	410	70	5	170	40	
QD518198	CM01	3220	60	<1	420	65	5	160	40	
QD518199	CM01	3260	60	<1	380	70	10	170	50	
QD518200	CM01	3300	50	1	370	65	10	180	40	
QD518201	CM01	3340	60	1	420	65	10	160	40	
QD518202	CM01	3380	50	<1	360	60	15	150	40	
QD518203	CM01	3420	65	<1	510	70	10	180	40	
QD518204	CM01	3460	60	<1	330	65	10	150	40	
QD518205	CM01	3500	70	<1	380	70	15	200	40	
QD518206	CM01	3540	75	<1	420	75	10	220	50	
QD518207	CM01	3580	75	<1	350	90	10	210	50	
QD518208	CM01	3620	65	<1	240	85	25	180	40	
QD518209	CM01	3660	70	<1	230	85	20	180	40	
QD518210	CM01	3700	65	<1	170	70	25	180	40	
QD518211	CM01	3740	60	<1	210	75	30	160	40	
QD518212	CM01	3780	95	<1	330	105	20	180	50	
QD518213	CM01	3820	125	<1	460	70	20	280	60	
QD518214	CM01	3860	90	<1	350	50	30	230	50	
QD518215	CM01	3900	100	<1	260	55	35	210	50	
QD518216	CM01	3940	125	<1	210	65	65	220	60	
QD518217	CM01	3980	180	<1	210	65	65	210	60	
QD518218	CM01	4020	150	<1	190	65	50	310	60	
QD518219	CM01	4060	155	<1	190	70	40	220	50	
QD518220	CM01	4100	160	<1	290	50	50	190	50	
QD518221	CM01	4140	135	1	270	55	45	230	50	
QD518222	CM01	4180	145	<1	290	50	45	140	50	
QD518223	CM01	4220	70	<1	220	45	40	170	30	
QD518224	CM01	4260	145	<1	450	45	50	80	50	
QD518225	CM01	4300	130	<1	390	45	45	70	50	
QD518226	CM01	4340	100	<1	190	40	65	70	30	
QD518227	CM01	4380	90	<1	130	40	35	120	30	
QD518228	CM01	4420	135	<1	120	35	50	150	40	
QD518229	CM01	4460	130	<1	140	40	20	190	50	
QD518230	CM01	4500	110	<1	180	35	15	230	50	
QD518231	CM01	4540	120	<1	260	45	20	210	50	
QD518275	CM02	3020	40	<1	660	110	<5	270	40	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518276	CM02	3060	35	<1	490	110	<5	140	40	
QD518277	CM02	3100	25	<1	580	100	<5	210	40	
QD518278	CM02	3140	25	<1	510	100	<5	140	30	
QD518279	CM02	3180	30	<1	520	115	<5	150	30	
QD518280	CM02	3220	35	<1	480	120	<5	140	30	
QD518281	CM02	3260	40	<1	620	115	<5	110	30	
QD518282	CM02	3300	40	<1	700	85	<5	150	30	
QD518283	CM02	3340	40	<1	640	80	5	230	40	
QD518284	CM02	3380	50	<1	680	90	10	150	40	
QD518285	CM02	3420	50	<1	550	100	10	190	40	
QD518286	CM02	3460	30	<1	450	75	10	290	30	
QD518287	CM02	3580	15	<1	220	55	10	250	20	
QD518288	CM02	3620	15	<1	280	55	15	330	20	
QD518161	CM03	3500	75	<1	200	65	10	160	50	
QD518162	CM03	3540	55	<1	190	50	25	160	40	
QD518163	CM03	3580	55	<1	220	45	25	180	40	
QD518164	CM03	3620	75	<1	260	50	25	140	50	
QD518165	CM03	3660	85	<1	220	45	20	130	50	
QD518166	CM03	3700	75	<1	250	45	35	130	50	
QD518167	CM03	3740	60	<1	250	40	25	160	50	
QD518168	CM03	3780	50	<1	170	45	25	130	40	
QD518169	CM03	3820	60	<1	200	45	25	130	50	
QD518170	CM03	3860	50	<1	260	40	15	90	50	
QD518171	CM03	3900	40	<1	200	35	20	90	40	
QD518172	CM03	3940	55	<1	160	30	30	60	40	
QD518173	CM03	3980	55	<1	150	25	45	60	40	
QD518174	CM03	4020	115	<1	160	35	80	60	40	
QD518175	CM03	4060	75	<1	110	35	75	150	30	
QD518176	CM03	4100	80	1	100	40	70	110	30	
QD518177	CM03	4140	160	1	110	70	125	140	40	
QD518178	CM03	4180	45	<1	100	25	25	60	30	
QD518179	CM03	4220	40	<1	90	35	15	390	50	
QD518180	CM03	4260	35	<1	80	35	10	270	40	
QD518181	CM03	4300	30	1	60	30	10	180	40	
QD518182	CM03	4340	55	1	120	35	25	390	40	
QD518183	CM03	4380	115	1	210	40	40	120	50	
QD518184	CM03	4420	90	1	90	45	40	160	40	
QD518185	CM03	4460	85	1	170	45	25	140	40	
QD518186	CM03	4500	110	<1	180	50	45	210	40	
QD518187	CM03	4540	120	<1	120	75	55	260	40	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518188	CM03	4580	125	<1	170	45	35	100	30	
QD518189	CM03	4620	115	<1	150	55	50	90	40	
QD518190	CM03	4660	140	<1	150	80	50	110	40	
QD518191	CM03	4700	170	<1	240	75	45	100	50	
QD518192	CM03	4740	200	<1	270	65	45	100	50	
QD518289	CM04	3020	15	<1	550	75	<5	230	40	
QD518290	CM04	3060	15	<1	600	75	<5	270	40	
QD518291	CM04	3100	20	1	600	95	<5	220	40	
QD518292	CM04	3140	10	<1	520	130	<5	180	40	
QD518293	CM04	3180	20	<1	540	145	<5	220	40	
QD518294	CM04	3420	15	<1	380	105	10	290	40	
QD518295	CM04	3460	15	<1	320	90	10	250	30	
QD518296	CM04	3500	20	<1	330	90	15	520	30	
QD518297	CM04	3540	20	<1	350	90	10	570	30	
QD518298	CM04	3580	20	<1	370	95	10	930	30	
QD518299	CM04	3620	15	<1	300	100	5	670	30	
QD518135	CM05	3500	55	<1	250	60	<5	710	50	
QD518136	CM05	3540	50	<1	210	55	<5	250	40	
QD518137	CM05	3580	45	<1	200	55	<5	280	40	
QD518138	CM05	3620	50	<1	220	45	<5	190	40	
QD518139	CM05	3660	40	<1	210	50	<5	210	40	
QD518140	CM05	3700	35	<1	280	45	<5	250	40	
QD518141	CM05	3740	30	<1	240	50	<5	200	50	
QD518142	CM05	3780	45	<1	290	50	<5	240	50	
QD518143	CM05	3820	35	<1	280	50	<5	240	50	
QD518144	CM05	3860	40	<1	220	45	<5	270	50	
QD518145	CM05	3900	45	<1	220	45	<5	320	50	
QD518146	CM05	3940	40	<1	190	45	<5	340	50	
QD518147	CM05	3980	30	<1	190	45	<5	310	50	
QD518148	CM05	4020	30	<1	210	45	<5	360	50	
QD518149	CM05	4060	35	<1	180	45	<5	360	50	
QD518150	CM05	4100	40	<1	160	50	<5	290	50	
QD518151	CM05	4140	40	<1	150	50	<5	440	50	
QD518152	CM05	4180	40	<1	120	55	10	410	40	
QD518153	CM05	4220	45	<1	160	60	<5	1110	50	
QD518154	CM05	4260	35	<1	130	95	5	4800	50	
QD518155	CM05	4300	25	<1	110	50	<5	3600	50	
QD518156	CM05	4340	20	<1	120	55	<5	240	50	
QD518157	CM05	4380	20	<1	130	50	<5	280	40	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518158	CM05	4420	30	<1	210	60	5	230	40	
QD518159	CM05	4460	35	<1	220	55	10	140	40	
QD518160	CM05	4500	70	<1	210	75	20	160	50	
QD518457	CM06	2700	25	<1	450	50	<5	190	40	
QD518458	CM06	2800	25	<1	380	125	<5	160	40	
QD518459	CM06	2840	25	<1	470	140	<5	200	30	
QD518460	CM06	2880	20	<1	420	165	<5	200	30	
QD518461	CM06	2920	25	<1	440	180	<5	160	30	
QD518462	CM06	2960	20	<1	470	205	<5	130	30	
QD518463	CM06	3000	20	<1	370	205	<5	180	20	
QD518464	CM06	3120	20	<1	340	90	<5	190	40	
QD518465	CM06	3240	20	<1	270	70	<5	280	30	
QD518466	CM06	3360	30	<1	270	50	5	210	30	
QD518467	CM06	3400	30	<1	600	35	<5	250	40	
QD518468	CM06	3440	50	<1	600	35	<5	180	50	
QD518469	CM06	3480	45	<1	680	35	<5	150	50	
QD518470	CM06	3560	55	<1	630	30	<5	180	50	
QD518471	CM06	3600	55	<1	560	35	<5	180	50	
QD518472	CM06	3640	50	<1	480	35	<5	160	50	
QD518473	CM06	3680	50	<1	520	35	<5	180	50	
QD518474	CM06	3720	60	<1	470	35	<5	190	50	
QD518475	CM06	3760	50	<1	430	35	<5	180	50	
QD518476	CM06	3920	40	<1	490		<5	170	50	
QD518116	CM07	3620	55	<1	200	55	20	210	40	
QD518117	CM07	3660	40	<1	140	55	5	220	30	
QD518118	CM07	3700	45	<1	170	60	10	210	40	
QD518119	CM07	3740	95	<1	200	65	15	260	30	
QD518120	CM07	3780	45	<1	170	55	15	240	30	
QD518121	CM07	3820	45	<1	170	50	15	230	40	
QD518122	CM07	3860	40	<1	180	65	15	350	40	
QD518123	CM07	3900	55	<1	160	55	25	220	30	
QD518124	CM07	3940	80	<1	160	60	25	150	40	
QD518125	CM07	3980	80	<1	120	50	25	170	30	
QD518126	CM07	4020	60	<1	90	55	15	210	30	
QD518127	CM07	4060	70	1	110	65	30	110	40	
QD518128	CM07	4100	65	<1	100	100	30	80	30	
QD518129	CM07	4140	75	<1	190	55	15	70	40	
QD518130	CM07	4340	40	<1	150	30	<5	150	50	
QD518131	CM07	4380	40	<1	130	25	<5	150	50	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518132	CM07	4420	30	<1	130	30	<5	210	40	
QD518133	CM07	4460	60	1	150	50	15	120	60	
QD518134	CM07	4500	80	<1	260	40	15	170	60	
QD518477	CM08	2400	20	<1	360	130	<5	220	30	
QD518478	CM08	2440	20	<1	380	130	<5	200	30	
QD518479	CM08	2480	20	<1	460	115	<5	240	30	
QD518480	CM08	2520	10	<1	330	110	<5	160	30	
QD518481	CM08	3160	20	1	380	85	<5	210	40	
QD518092	CM09	3500	70	<1	200	70	5	340	40	
QD518093	CM09	3580	90	<1	220	75	5	210	40	
QD518094	CM09	3620	90	<1		75	10	240	40	
QD518095	CM09	3660	95	<1	170	80	15	140	40	
QD518096	CM09	3700	70	<1	170	60	5	170	40	
QD518097	CM09	3740	60	<1	150	60	10	150	40	
QD518098	CM09	3780	60	<1	160	55	10	150	40	
QD518099	CM09	3820	60	<1	130	50	15	120	40	
QD518100	CM09	3860	65	<1	110	25	15	130	40	
QD518101	CM09	3900	60	<1	100	20	15	130	40	
QD518102	CM09	3940	80	<1	90	25	15	180	40	
QD518103	CM09	3980	80	1	90	30	20	160	40	
QD518104	CM09	4020	80	4	80	45	25	250	30	
QD518105	CM09	4060	60	1	180	25	<5	100	40	
QD518106	CM09	4100	75	<1	140	35	5	110	40	
QD518107	CM09	4340	70	<1	160	30	10	140	40	
QD518108	CM09	4380	85	<1	180	35	5	110	40	
QD518109	CM09	4420	90	<1	160	40	5	150	40	
QD518110	CM09	4460	65	<1	130	35	5	250	30	
QD518111	CM09	4500	80	<1	160	35	5	100	30	
QD518112	CM09	4540	90	<1	150	35	5	130	30	
QD518113	CM09	4580	90	<1	280	45	10	140	40	
QD518114	CM09	4620	95	<1	290	80	5	110	60	
QD518115	CM09	4660	85	<1	140	110	5	90	50	
QD518232	CM09	4700	150	<1	250	75	20	100	60	
QD518233	CM09	4860	140	1	490	60	5	260	60	
QD518234	CM09	4900	130	1	520	55	10	270	50	
QD518235	CM09	4940	85	<1	400	60	5	260	50	
QD518236	CM09	4980	110	1	490	60	5	170	50	
QD518237	CM09	5060	100	<1	340	60	15	190	50	
QD518238	CM09	5100	105	<1	380	60	5	140	50	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH				PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH				AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE				-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE		AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE		PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518239	CM09	5340		60	<1	480	50	5	160	40	
QD518240	CM09	5540		70	<1	580	55	<5	140	50	
QD518241	CM09	5620		65	<1	710	55	<5	150	50	
QD518242	CM09	5660		60	<1	740	55	<5	150	50	
QD518300	CM09	1820		20	<1	860	65	<5	370	40	
QD518301	CM09	1900		15	<1	870	55	<5	290	40	
QD518302	CM09	1940		15	<1	880	60	<5	220	40	
QD518303	CM09	1980		15	<1	760	60	<5	220	40	
QD518304	CM09	2020		15	<1	820	65	<5	220	40	
QD518305	CM09	2060		10	<1	620	55	<5	210	40	
QD518306	CM09	2100		10	<1	790	55	<5	220	40	
QD518307	CM09	2140		15	<1	1020	55	<5	340	40	
QD518308	CM09	2180		10	<1	1040	50	<5	240	40	
QD518309	CM09	2220		15	<1	1040	55	<5	290	40	
QD518310	CM09	2260		15	<1	940	50	<5	280	40	
QD518311	CM09	2300		15	<1	900	65	<5	470	40	
QD518312	CM09	2340		10	<1	770	65	<5	250	40	
QD518313	CM09	2380		15	<1	810	60	<5	240	40	
QD518314	CM09	2420		10	<1	1010	65	<5	340	50	
QD518315	CM09	2460		15	<1		95	<5	180	40	
QD518316	CM09	2500		15	<1	800	95	<5	180	40	
QD518317	CM09	2540		10	<1	730	145	<5	170	30	
QD518318	CM09	2580		15	<1	540	95	5	220	30	
QD518319	CM09	2660		10	<1	430	70	10	280	40	
QD518320	CM09	2860		10	<1	260	110	5	350	30	
QD518321	CM09	2940		15	<1	360	70	10	650	40	
QD518322	CM09	2980		15	<1	320	75	10	560	40	
QD518323	CM09	3020		15	<1	240	115	10	920	40	
QD518324	CM09	3180		35	<1	270	105	25	300	50	
QD518325	CM09	3220		35	<1	260	105	20	650	60	
QD518326	CM09	3260		35	<1	260	85	20	400	50	
QD518327	CM09	3300		25	<1	220	100	25	940	60	
QD518328	CM09	3420		25	<1	220	80	25	850	40	
QD518329	CM09	3460		35	<1	220	85	25	1120	40	
QD518330	CM09	3500		45	<1	240	85	20	640	40	
QD518482	CM10	2400		10	1	80	120	<5	190	30	
QD518060	CM11	3500		70	<1	200	60	10	270	50	
QD518061	CM11	3540		75	<1	220	65	5	220	50	
QD518062	CM11	3580		70	<1	170	50	10	200	40	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESHSIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518063	CM11	3620	75	<1	170	45	10	200	40	
QD518064	CM11	3660	80	<1	170	45	10	200	50	
QD518065	CM11	3700	90	<1	150	35	10	220	50	
QD518066	CM11	3740	95	<1	120	40	15	150	50	
QD518067	CM11	3780	100	<1	110	35	10	270	50	
QD518068	CM11	3820	55	<1	130	20	20	130	30	
QD518069	CM11	3860	95	<1	110	25	15	190	40	
QD518070	CM11	3900	90	<1	100	30	15	200	40	
QD518071	CM11	3940	90	<1	140	65	20	140	50	
QD518072	CM11	3980	90	<1	150	45	15	160	50	
QD518073	CM11	4020	95	<1	230	45	10	160	50	
QD518074	CM11	4260	75	<1	180	35	10	240	40	
QD518075	CM11	4300	75	<1	170	35	10	180	40	
QD518076	CM11	4340	60	<1	130	30	10	160	40	
QD518077	CM11	4380	70	<1	110	30	5	210	40	
QD518078	CM11	4420	115	1	160	115	10	300	50	
QD518079	CM11	4460	115	1	200	90	5	230	40	
QD518080	CM11	4500	120	<1	190	55	10	190	40	
QD518081	CM11	4540	160	<1	230	50	15	160	40	
QD518082	CM11	4580	130	<1	180	65	<5	210	40	
QD518083	CM11	4620	155	1	250	65	5	210	50	
QD518084	CM11	4660	130	<1	240	50	5	210	50	
QD518085	CM11	4860	120	<1	310	60	<5	200	50	
QD518086	CM11	4900	120	<1	210	60	<5	190	50	
QD518087	CM11	4940	120	1	340	50	<5	200	50	
QD518088	CM11	4980	125	<1	400	50	<5	210	50	
QD518089	CM11	5180	100	<1	450	45	<5	400	50	
QD518090	CM11	5220	100	<1	410	50	<5	230	50	
QD518091	CM11	5260	120	<1	460	60	<5	210	60	
QD518243	CM11	5300	90	<1	460	50	10	160	50	
QD518244	CM11	5340	900	<1	470	50	5	160	50	
QD518245	CM11	5380	95	<1	470	50	10	160	50	
QD518246	CM11	5420	105	<1	390	55	15	150	50	
QD518247	CM11	5460	100	<1	320	50	10	150	50	
QD518248	CM11	5500	100	<1	480	55	15	190	50	
QD518249	CM11	5540	90	<1	510	50	15	170	50	
QD518250	CM11	5580	90	<1	500	55	15	160	50	
QD518251	CM11	5620	70	<1	480	55	15	160	50	
QD518252	CM11	5660	70	<1	580	45	5	170	50	
QD518253	CM11	5700	70	<1	560	50	5	150	50	
QD518254	CM11	5740	55	<1	520	50	5	160	50	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518331	CM11	1820	25	<1	640	75	<5	260	40	
QD518332	CM11	1860	20	<1	710	70	<5	240	40	
QD518333	CM11	1900	30	<1	600	85	<5	260	40	
QD518334	CM11	1940	15	<1	590	75	<5	230	40	
QD518335	CM11	1980	30	<1	580	70	<5	240	40	
QD518336	CM11	2020	25	<1	650	65	<5	200	40	
QD518337	CM11	2060	25	<1	550	65	<5	240	40	
QD518338	CM11	2100	30	<1	550	70	<5	180	40	
QD518339	CM11	2140	25	<1	530	80	<5	220	40	
QD518340	CM11	2180	20	<1	410	75	<5	220	40	
QD518341	CM11	2220	25	<1	490	75	<5	180	40	
QD518342	CM11	2260	20	<1	460	80	<5	370	40	
QD518343	CM11	2300	15	<1	560	75	<5	190	40	
QD518344	CM11	2340	20	<1	540	75	<5	210	40	
QD518345	CM11	2380	30	<1	620	80	<5	210	40	
QD518346	CM11	2420	20	<1	780	75	<5	220	40	
QD518347	CM11	2460	15	<1	940	60	<5	210	40	
QD518348	CM11	2500	15	<1	790	75	<5	190	40	
QD518349	CM11	2540	10	<1	460	95	<5	180	30	
QD518350	CM11	2580	10	<1	430	100	<5	190	40	
QD518351	CM11	2620	10	<1	460	95	<5	180	40	
QD518352	CM11	2660	10	<1	420	80	<5	180	30	
QD518353	CM11	2700	10	<1	490	80	<5	210	30	
QD518354	CM11	2780	15	<1	400	135	<5	230	30	
QD518355	CM11	2820	15	<1	310	65	<5	270	30	
QD518356	CM11	2860	10	1	230	100	<5	560	30	
QD518357	CM11	2900	10	1		195	<5	1190	30	
QD518358	CM11	2940	10	<1	160	110	<5	1260	40	
QD518359	CM11	2980	20	<1	230	100	5	750	40	
QD518360	CM11	3060	25	<1	220	85	5	280	40	
QD518361	CM11	3100	25	<1	210	85	10	430	40	
QD518362	CM11	3140	20	<1	190	105	10	360	50	
QD518363	CM11	3180	30	<1	180	110	10	360	50	
QD518364	CM11	3220	30	<1	210	100	5	450	50	
QD518365	CM11	3260	35	<1	180	100	5	260	60	
QD518366	CM11	3380	30	<1	210	75	5	260	40	
QD518367	CM11	3420	20	<1	160	65	10	240	30	
QD518368	CM11	3460	20	<1	140	70	15	240	40	
QD518369	CM11	3500	35	<1	170	75	10	180	40	
QD518037	CM13	3500	50	<1	140	30	15	580	30	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518038	CM13	3540	70	<1	150	30	30	110	30	
QD518039	CM13	3580	70	<1	120	35	25	140	30	
QD518040	CM13	3620	90	<1	230	35	30	130	40	
QD518041	CM13	3660	60	<1	170	30	30	90	30	
QD518042	CM13	3700	90	<1	180	30	40	100	40	
QD518043	CM13	3740	75	<1	150	25	40	70	30	
QD518044	CM13	3820	70	1	210	30	10	80	40	
QD518045	CM13	3860	70	<1	240	30	10	80	40	
QD518046	CM13	3900	60	<1	240	30	5	80	40	
QD518047	CM13	4060	60	1	340	30	<5	110	40	
QD518048	CM13	4220	70	<1	220	30	5	190	50	
QD518049	CM13	4260	80	1	250	30	5	320	50	
QD518050	CM13	4300	85	3	200	40	10	310	50	
QD518051	CM13	4340	85	1	170	35	10	200	40	
QD518052	CM13	4380	85	1	150	50	15	300	50	
QD518053	CM13	4420	110	1	180	100	15	200	50	
QD518054	CM13	4460	115	1	200	65	20	200	40	
QD518055	CM13	4500	120	1	180	65	20	230	40	
QD518056	CM13	4540	165	<1	180	65	45	280	40	
QD518057	CM13	4660	120	<1	190	50	20	480	50	
QD518058	CM13	4700	140	<1	310	55	20	270	50	
QD518059	CM13	5140	65	<1	440	60	<5	680	40	
QD518255	CM13	4740	110	<1	260	65	30	380	60	
QD518256	CM13	4780	130	<1	270	65	20	200	60	
QD518257	CM13	4820	115	<1	280	55	15	250	60	
QD518258	CM13	4860	95	<1	370	50	15	250	50	
QD518259	CM13	4900	120	<1	370	65	20	230	60	
QD518260	CM13	4940	110	<1	390	60	30	240	60	
QD518261	CM13	5020	100	<1	400	60	25	320	60	
QD518262	CM13	5060	100	<1	490	60	15	250	60	
QD518263	CM13	5100	80	<1		65	15	270	50	
QD518264	CM13	5140	60	<1	470	65	5	220	40	
QD518265	CM13	5180	55	<1	420	65	5	200	40	
QD518266	CM13	5220	70	<1	470	55	10	300	50	
QD518267	CM13	5260	80	<1	430	60	5	180	50	
QD518268	CM13	5300	65	<1	500	70	5	410	50	
QD518269	CM13	5340	80	<1	520	60	5	290	50	
QD518270	CM13	5380	75	<1	570	55	5	280	50	
QD518271	CM13	5420	80	<1	610	60	5	280	60	
QD518272	CM13	5460	70	<1	570	60	10	340	50	
QD518273	CM13	5500	80	<1	580	60	10	280	50	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518274	CM13	5540	75	<1	550	55	15	260	60	
QD518370	CM13	1820	15	<1	460	95	<5	230	40	
QD518371	CM13	1860	10	<1	470	90	<5	210	40	
QD518372	CM13	1900	10	<1		90	<5	210	30	
QD518373	CM13	1940	10	<1	650	75	<5	210	40	
QD518374	CM13	1980	15	<1	640	80	<5	250	40	
QD518375	CM13	2020	20	<1	520	75	<5	210	30	
QD518376	CM13	2060	15	<1	630	75	<5	240	40	
QD518377	CM13	2100	15	<1	490	85	<5	230	30	
QD518378	CM13	2140	10	<1	590	80	<5	240	40	
QD518379	CM13	2180	20	<1	590	70	<5	230	40	
QD518380	CM13	2220	15	<1	550	80	<5	220	40	
QD518381	CM13	2260	15	<1	590	80	<5	220	40	
QD518382	CM13	2300	20	<1	620	90	<5	200	40	
QD518383	CM13	2340	30	<1	560	100	<5	160	30	
QD518384	CM13	2380	30	<1	690	95	<5	160	40	
QD518385	CM13	2420	20	<1	410	145	<5	150	30	
QD518386	CM13	2460	20	<1	290	170	<5	210	30	
QD518387	CM13	2500	15	<1	280	140	<5	180	30	
QD518388	CM13	2540	15	<1	420	140	<5	220	40	
QD518389	CM13	2580	10	<1	350	80	<5	180	30	
QD518390	CM13	3100	20	<1	320	80	<5	820	60	
QD518391	CM13	3220	20	<1	180	115	<5	1260	50	
QD518392	CM13	3300	20	<1	150	130	10	1860	40	
QD518012	CM15	3500	80	1	240	65	15	130	40	
QD518013	CM15	3540	60	<1	180	40	25	120	30	
QD518014	CM15	3580	60	<1	80	25	35	80	30	
QD518015	CM15	3620	30	<1	70	20	10	70	20	
QD518016	CM15	3660	85	<1	280	65	25	90	40	
QD518017	CM15	3700	120	<1	340	90	35	80	50	
QD518018	CM15	3740	60	<1	270	40	5	90	40	
QD518019	CM15	3760	40	1	370	35	5	140	50	
QD518020	CM15	3820	40	<1	400	35	<5	160	40	
QD518021	CM15	3860	45	<1	510	25	<5	130	40	
QD518022	CM15	3900	60	<1	450	30	<5	130	50	
QD518023	CM15	4180	95	<1	480	30	5	150	60	
QD518024	CM15	4220	90	<1	370	30	5	150	50	
QD518025	CM15	4260	65	<1	310	30	10	150	40	
QD518026	CM15	4300	100	<1	310	40	20	140	40	
QD518027	CM15	4340	85	<1	280	50	25	140	50	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518028	CM15	4380	120	<1	180	70	45	170	40	
QD518029	CM15	4420	115	<1	230	50	25	180	50	
QD518030	CM15	4460	115	<1	280	45	20	210	40	
QD518031	CM15	4500	110	<1	200	40	25	240	40	
QD518032	CM15	4540	120	<1	140	35	25	540	50	
QD518033	CM15	4580	150	<1	230	50	20	420	50	
QD518034	CM15	4620	125	<1	290	45	15	270	50	
QD518035	CM15	4660	150	<1	300	45	15	280	50	
QD518036	CM15	4900	115	<1	380	55	5	230	50	
QD518393	CM15	1820	20	<1	420	85	<5	190	40	
QD518394	CM15	1860	20	<1	510	90	<5	230	40	
QD518395	CM15	1900	20	<1	510	95	<5	170	40	
QD518396	CM15	1940	20	<1	590	75	<5	160	40	
QD518397	CM15	1980	10	<1	570	55	<5	140	50	
QD518398	CM15	2020	15	<1	630	55	<5	160	50	
QD518399	CM15	2060	20	<1	590	70	<5	170	50	
QD518400	CM15	2100	15	<1	310	55	<5	170	40	
QD518401	CM15	2140	20	<1	110	45	10	180	30	
QD518402	CM15	2180	20	<1	270	50	<5	170	30	
QD518403	CM15	2220	20	<1	540	50	<5	130	50	
QD518404	CM15	2260	30	<1	280	55	5	120	40	
QD518405	CM15	2300	35	1	250	60	5	100	40	
QD518406	CM15	2340	45	<1	290	75	5	140	40	
QD518407	CM15	2380	40	<1	300	80	<5	170	40	
QD518408	CM15	2420	25	<1	350	95	<5	170	40	
QD518409	CM15	2460	20	<1	340	130	<5	180	30	
QD518410	CM15	2500	20	<1	340	205	<5	180	30	
QD518411	CM15	2540	20	<1	280	210	<5	190	40	
QD518412	CM15	2580	15	<1	400	295	<5	240	30	
QD518001	CM17	4220	85	<1	390	30	<5	220	50	
QD518002	CM17	4260	75	<1	420	25	<5	210	50	
QD518003	CM17	4300	85	<1	410	25	<5	220	50	
QD518004	CM17	4340	75	<1	300	25	5	180	50	
QD518005	CM17	4380	85	<1	310	30	5	120	50	
QD518006	CM17	4420	100	<1	300	35	15	180	50	
QD518007	CM17	4460	95	<1	250	45	20	210	50	
QD518008	CM17	4500	120	<1	260	60	15	200	50	
QD518009	CM17	4540	100	1	200	50	20	240	60	
QD518010	CM17	4580	125	1	230	50	25	250	60	
QD518011	CM17	4620	130		320	50	15	230	60	

TANAMI GRID LAG/SOILS - SE52-15

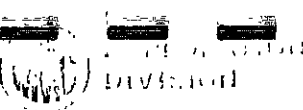
DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PB	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518413	CM17	1820	15	<1	490	135	<5	160	40	
QD518414	CM17	1860	10	<1	290	120	<5	130	30	
QD518415	CM17	1900	15	<1	580	135	<5	130	40	
QD518416	CM17	1940	10	<1	550	115	<5	130	40	
QD518417	CM17	1980	5	<1	420	75	<5	120	40	
QD518418	CM17	2020	5	<1	50	20	<5	140	20	
QD518419	CM17	2060	<5	<1	450	45	<5	140	40	
QD518420	CM17	2100	10	<1	140	40	<5	140	30	
QD518421	CM17	2140	10	<1	110	35	<5	100	30	
QD518422	CM17	2180	30	<1	190	45	<5	140	30	
QD518423	CM17	2220	25	<1	180	50	10	140	30	
QD518424	CM17	2260	30	<1	160	70	10	120	30	
QD518425	CM17	2300	35	<1	150	75	20	120	30	
QD518426	CM17	2340	40	<1	190	75	20	110	40	
QD518427	CM17	2380	50	<1	240	95	25	100	40	
QD518428	CM17	2420	40	<1	350	125	5	150	40	
QD518429	CM17	2460	40	<1	380	135	<5	310	40	
QD518430	CM17	2500	35	<1	320	175	<5	190	40	
QD518431	CM17	2540	20	<1	250	240	<5	150	30	
QD518432	CM17	2580	20	<1	250	260	<5	180	30	
QD518433	CM17	2620	20	<1	230	335	<5	260	30	
QD518434	CM17	3340	35	<1	200	45	<5	220	30	
QD518435	CM17	3380	40	<1	280	50	<5	170	40	
QD518436	CM17	3420	40	<1	280	55	<5	180	40	
QD518437	CM17	3460	30	<1	240	50	<5	200	40	
QD518438	CM17	3500	60	<1	290	50	<5	220	40	
QD518439	CM17	3540	45	<1	420	45	<5	190	40	
QD518440	CM17	3580	55	<1	380	35	5	180	40	
QD518441	CM17	3620	80	<1	350	30	20	260	40	
QD518442	CM17	3660	105	<1	330	45	35	250	40	
QD518443	CM17	3700	65	<1	390	45	10	170	40	
QD518444	CM17	3740	35	<1	230	45	<5	160	30	
QD518445	CM17	3780	40	<1	330	50	<5	190	40	
QD518446	CM17	3820	30	<1	330	30	<5	220	40	
QD518447	CM17	3860	35	<1	310	30	<5	170	40	
QD518448	CM17	3900	35	<1	280	25	<5	270	40	
QD518449	CM17	3940	45	<1	360	35	<5	270	50	
QD518450	CM17	3980	45	<1	360	30	<5	280	50	
QD518451	CM17	4020	45	<1	360	30	5	290	50	
QD518452	CM17	4060	45	<1	370	35	5	240	50	
QD518453	CM17	4100	45	<1	400	30	5	160	40	

TANAMI GRID LAG/SOILS - SE52-15

DIG.TECH			PYSTB	AU30	PYSTB	PYSTB	AU30	PYSTB	PYSTB	P
ASS.TECH			AAHYD	AUSL2	AASPL	AA	AA	AA	AA	A
MESH SIZE			-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6+2mm	-6
SAMPLE	LINE	LINE	AS	AU	CR	CU	AS	MN	PS	
NUMBER	NO	PLACE	PPM	PPB	PPM	PPM	PPM	PPM	PPM	
QD518454	CM17	4140	60	<1	370	30	5	140	50	
QD518455	CM17	4180	70	<1	410	30	<5	180	50	
QD518456	CM17	4200	70	<1	470	30	<5	180	50	

Number of data records printed = 482

SAMPLE DATA SHEET



DRILL HOLE DEPTH														Packed	DESCRIPTION	ANALYTICAL							
FROM OR TO																							
SAMPLE CO-ORDINATE																							
N/S														E/W									
DA	6	2	4	0	4	4	7	8	0	9	0	6	0	5	3	1	8	1	0	✓	Run 6/2861 Qz vein & boxwork weathering in Bif.	Aupper	
DA	6	2	4	0	4	5	7	8	0	9	0	6	0	5	3	1	8	1	0	✓	Hm & ox suls co-host of 4044	<	
DA	6	2	4	0	4	6	7	8	0	9	0	0	0	5	3	1	8	3	0	✓	ox suls in Hm Qz bx	<	
DA	6	2	4	0	4	7	7	8	0	8	9	3	0	5	3	1	7	8	0	✓	B.L.F. hem-qz & oxsuls-hem bx	<	
DA	6	2	4	0	4	8	7	8	0	8	7	2	0	5	3	1	7	0	0	✓	Bif & solution cavities in chert bands	<	
DA	6	2	4	0	4	9	7	8	0	8	6	2	0	5	3	1	6	8	0	✓	ox-suls in bif.	<	
DA	6	2	4	0	5	0	7	8	1	1	3	8	0	5	3	1	2	2	0	✓	box work Qz veins in banded chert. ox suls.	<	
DA	6	2	4	0	5	1	7	8	1	1	3	0	0	5	3	1	2	4	0	✓	multigeneration qz veins. box work weathering	<	
DA	6	2	4	0	5	2	7	8	1	1	0	2	0	5	3	1	4	4	0	✓	Qz-limonite goethite bx	<	
DA	6	2	4	0	5	3	7	8	1	1	4	5	0	5	3	3	1	9	8	0	✓	Jasper, magnetic associated with mag high	<
DA	6	2	4	0	5	4	7	8	1	0	5	5	0	5	3	1	7	9	0	✓	Qz hem bx, ox suls limonite	<	
DA	6	2	4	0	5	5	7	8	1	0	9	4	0	5	3	1	4	2	0	✓	Massive chert & multistage, cross cutting qz veins.	<	
DA	6	2	4	0	5	6	7	8	1	0	8	8	0	5	3	1	4	1	0	✓	No visible suls or limonite	<	
DA	6	2	4	0	5	6	7	8	1	0	8	8	0	5	3	1	4	1	0	✓	Qz-Hem bx & ox suls	<	

SAMPLING RECORD												PROJECT		DRILLING RECORD				
Material	Rock chip					Depth						Region	W.D.S.V		Drill Type			
Map No	Run 6/2861					Laboratory Request No	ER 2402					Project	W.D.S.V		R.L.	Water Table		
Area	AREA 21B					From						Prospect	21B		Top	Azim		
No	21B					Bearing						Coal			Bottom			

APPENDIX 3

Area 21b - WMC Ground Magnetics data - orientation traverses.

STATION REFERENCE NUMBERS - MAGNETICS

This sheet contains only base/~~non-base~~ (delete one)
station reference numbers. Station reference
numbers should be:
1-999 for base stations
1000-99999 for non-base stations

PROJECT TANAMI
Prospect 21B (CM 13)
Date 6-8-89
Sheet No. _____

[illegible]

**Do not enter observed values for non-base stations.*

MAGNETICS FIELD SHEET

Sheet No.

01 33

(TYPE 2)

PROJECT TanamiProspect 216Traverse CM13Date 6-8-89Obs. P.S./E.J.Inst/SN 7531 BaringerFirst Station 02 CM13 3000Last Station 03 CM13 6000

Station Spacing

04 10

Line Id

Stn. Ref.	Time	Reading	Co-ords	Com #
05	2 12 08	51 880	—	
05	12 44	51 628	3000E	
05		635	10	
05		626	20	
05		627	30	
05		628	40	
05		628	50	
05		633	60	
05		632	70	
05		638	80	
05		635	90	
05		634	3100E	
05		632	10	
05		632	20	
05		637	30	
05		635	40	
05		635	50	
05		636	60	
05		635	70	
05		634	80	
05		635	90	
05		636	3200E	
05		638	10	
05		636	20	
05		642	30	
05		645	40	
05	12 54	642	50	
05		638	60	
05		639	70	
05		645	80	
05		642	90	
05		644	3300E	
05		644	10	
05		647	20	
05		651	30	

Stn. Ref.	Time	Reading	Co-ords	Com #
05		51 649	3340E	
05		649	50	
05		646	60	
05		643	70	
05		645	80	
05		645	90	
05		645	3400E	
05		646	10	
05		648	20	
05		646	30	
05		648	40	
05		654	50	
05		656	60	
05		659	70	
05		667	80	
05		673	90	
05		688	3500E	
05		715	10	
05		737	20	
05		736	30	
05		714	40	
05		690	50	
05		669	60	
05		660	70	
05		663	80	
05		643	90	
05	13 03	51 641	3600E	
05		642	10	
05		639	20	
05		651	30	
05		638	40	
05		640	50	
05		636	60	
05		624	70	
05		633	80	

MAGNETICS FIELD SHEET

Sheet No.

01 34

(TYPE 2)

PROJECT TanamiProspect 213Traverse CM 13Date 6-8-89Obs. P.S./E.S.Inst/SN 7531 Barringer

First Station 02 1 14 23 N E

Last Station 03 1 14 23 N E

Station Spacing 04 7 14 23 Line Id 8 14

Stn. Ref.			Time			Reading			Co-ords			Com #
3	7	8	11	12	16	3	7	8	11	12	16	17
05					51627	3690E						
05					632	3700E						
05					636	10						
05					629	20						
05					628	30						
05					622	40						
05					617	50						
05					616	60						
05					621	70						
05					571	80						
05					595	90						
05					584	3800E						
05					727	10						
05					637	20						
05					583	30						
05					648	40						
05					628	50						
05					603	60						
05					614	70						
05					628	80						
05					614	90						
05					627	3900E						
05					619	10						
05					613	20						
05					671	30						
05				1314	612	40						
05					606	50						
05					606	60						
05					612	70						
05					617	80						
05					630	90						
05					611	4000E						
05					611	10						
05					612	20						
05					652	30						

Stn. Ref.			Time			Reading			Co-ords			Com #
3	7	8	11	12	16	3	7	8	11	12	16	17
05					51617	4040E						
05					599	50						
05					620	60						
05					622	70						
05					598	80						
05					618	90						
05					612	4100E						
05					623	10						
05					621	20						
05					622	30						
05					609	40						
05					615	50						
05					628	60						
05					620	70						
05					614	80						
05					620	90						
05					623	4200E						
05					618	10						
05					639	20						
05					608	30						
05					623	40						
05					620	50						
05					621	60						
05					630	70						
05					617	80						
05				1323	666	90						
05					654	4300E						
05					656	10						
05					669	20						
05					656	30						
05					636	40						
05					523	50						
05					614	60						
05					668	70						
05					592	80						

MAGNETICS FIELD SHEET

Sheet No.

01 35

(TYPE 2)

PROJECT TanamiProspect 21 BTraverse CM13Date 6-8-89Obs. P.S./E.S.Inst/SN 7531 Boring

First Station 02 N 1 E

Last Station 03 N 1 E

Station Spacing 04 Line Id 14

Stn. Ref.	Time	Reading	Co-ords	Com
3 7 8 11 12 16				#
05		51974	4390E	
05		52072	4400E	
05		51677	10	
05		51976	20	
05		52045	30	
05		52052	40	
05		51787	50	
05		818	60	
05		818	70	
05		918	80	
05		950	90	
05		51943	4500E	
05	1331	958	10	
05		684	20	
05		877	30	
05		812	40	
05		807	50	
05		707	60	
05		748	70	
05		762	80	
05		758	90	
05	1335	770	4600E	
05		694	10	
05		697	20	
05		685	30	
05		667	40	
05		625	50	
05		666	60	
05		648	70	
05		655	80	
05		657	90	
05		625	4700E	
05		637	10	
05		623	20	
05		630	30	

Stn. Ref.	Time	Reading	Co-ords	Com
3 7 8 11 12 16				#
05		51633	4740E	
05		639	50	
05		633	60	
05		617	70	
05		633	80	
05		611	90	
05	1339	616	4800E	
05		606	10	
05		624	20	
05		641	30	
05		611	40	
05		607	50	
05		627	60	
05		641	70	
05		593	80	
05		627	90	
05	1342	657	4900E	
05		632	10	
05		627	20	
05		621	30	
05		609	40	
05		626	50	
05		625	60	
05		632	70	
05		626	80	
05		619	90	
05	1344	622	5000E	
05		627	10	
05		627	20	
05		624	30	
05		619	40	
05		639	50	
05		641	60	
05		641	70	
05		635	80	

MAGNETICS FIELD SHEET

Sheet No.

01 36

(TYPE 2)

PROJECT TanamiProspect 218Traverse CM13Date 6-8-89Obs. P.S./E-J.Inst/SN 7531 BaringerFirst Station 02 N 1 ELast Station 03 N 1 EStation Spacing 04 Line Id 8

Stn. Ref.	Time	Reading	Co-ords	Com #
05		51650	5090E	
05	1347	1629	5100E	
05		642	10	
05		643	20	
05		645	30	
05		646	40	
05		637	50	
05		643	60	
05		646	70	
05		640	80	
05		637	90	
05	1350	636	5200E	
05		636	10	
05		647	20	
05		676	30	
05		625	40	
05		634	50	
05		627	60	
05		726	70	
05		676	80	
05		681	90	
05	1353	680	5300E	
05		681	10	
05		695	20	
05		677	30	
05		671	40	
05		721	50	
05		699	60	
05		735	70	
05		707	80	
05		718	90	
05	1355	771	5400E	
05		650	10	
05		654	20	
05		695	30	

Stn. Ref.	Time	Reading	Co-ords	Com #
05		51686	5440E	
05		1720	50	
05		652	60	
05		584	70	
05		675	80	
05		666	90	
05	1359	637	5500E	
05		640	10	
05		669	20	
05		759	30	
05		682	40	
05		642	50	
05		692	60	
05		720	70	
05		742	80	
05		633	90	
05		714	5600E	
05		702	10	
05		634	20	
05		725	30	
05		640	40	
05		695	50	
05		652	60	
05		777	70	
05		667	80	
05		715	90	
05	1410	762	5700E	
05		736	10	
05		812	20	
05		752	30	
05		745	40	
05		697	50	
05		788	60	
05		862	70	
05		887	80	

Sheet No.

0	1			3	7
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(TYPE 2)

PROJECT Tanami

Prospect 213

Traverse CMB

Date 6-8-29

Obs. P.S. / E-J.

Inst/SN 7531 Barringer

First Station **N** **E**

0	2										,									
---	---	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--

3	12	13	14	23
Last Station	N			E

0	3										,									
---	---	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--

Station	Station Spacing	Line Id
3	12	13
14		23

0	4					
---	---	--	--	--	--	--

[illegible]

MAGNETICS FIELD SHEET

Sheet No.

01 61

(TYPE 2)

PROJECT TANAMIProspect ? EL4828Traverse CM8Date 15-8-89Obs. ?Inst/SN C 202 GEOMETRICSFirst Station 02 CM8 1 2400Last Station 03 CM8 1 3790

Station Spacing

04 10

Line Id

8 14

Stn. Ref.			Time			Reading			Co-ords	Com #				
3	7	8	11	12	15	16	17	18	19	20				
0	5		4	1	4	5	9	5	1	6	4	9	—	
0	5			1	5	2	0	5	1	5	4	6	2400E	
0	5									5	3	0	10	
0	5									5	5	0	20	
0	5									5	3	8	30	
0	5									5	2	6	40	
0	5									5	2	1	50	
0	5									5	2	3	60	
0	5									5	2	2	70	
0	5									5	1	5	80	
0	5									5	4	7	90	
0	5									5	4	7	2500E	
0	5									5	5	1	10	
0	5									5	4	0	20	
0	5									5	4	7	30	
0	5									5	7	9	40	
0	5									5	7	6	50	
0	5									5	5	1	60	
0	5									5	4	3	70	
0	5									5	4	5	80	
0	5									5	3	9	90	
0	5									5	4	9	2600E	
0	5									5	4	6	10	
0	5									5	6	4	20	
0	5									5	7	1	30	
0	5									5	8	0	40	
0	5									5	6	1	50	
0	5									5	7	5	60	
0	5									5	9	6	70	
0	5									5	6	8	80	
0	5									5	2	7	90	
0	5									4	9	4	2700E	
0	5									4	9	8	10	
0	5									5	0	7	20	
0	5									5	2	0	30	

Stn. Ref.			Time			Reading			Co-ords			Com
3	7	8	11	12	15	16	17	18	19	20	21	#
05						51	56	2	2740E			
05				1528			54	7	50			
05							49	5	60			
05							58	7	70			
05							66	5	80			
05							60	1	90			
05							55	1	2800E			
05							54	3	10			
05							56	1	20			
05							55	0	30			
05							55	3	40			
05							56	2	50			
05							59	0	60			
05							53	1	70			
05							52	6	80			
05							55	2	90			
05							53	3	2900E			
05							52	8	10			
05							54	9	20			
05							58	2	30			
05							57	9	40			
05							57	9	50			
05							61	6	60			
05							59	6	70			
05							57	1	80			
05							56	3	90			
05							55	3	3000E			
05							58	3	10			
05							56	7	20			
05							60	0	30			
05							58	0	40			
05							58	0	50			
05							57	9	60			
05							58	2	70			
05							57	9	80			

MAGNETICS FIELD SHEET

Sheet No.

01 62

(TYPE 2)

PROJECT TANAMIProspect ?Traverse C.M.8Date Obs. ?Inst/SN C202 GEOMETRICS

First Station 02 N E

Last Station 03 N E

Station Spacing 04 Line Id

Stn. Ref.	Time	Reading	Co-ords	Com
3 7 8 11 12 16				#
05		51577	3090E	
05	1537	578	3100E	
05		560	10	
05		515	20	
05		599	30	
05		582	40	
05		582	50	
05		545	60	
05		575	70	
05		553	80	
05		557	90	
05		570	3200E	
05		552	10	
05		548	20	
05		552	30	
05		550	40	
05		537	50	
05		559	60	
05		563	70	
05		566	80	
05		576	90	
05		581	3300E	
05		585	10	
05		604	20	
05		617	30	
05		632	40	
05		652	50	
05		670	60	
05		692	70	
05		714	80	
05		712	90	
05		690	3400E	
05		675	10	
05		663	20	
05		654	30	

Stn. Ref.	Time	Reading	Co-ords	Com
3 7 8 11 12 16				#
05		1544	51640	3440E
05			623	50
05			611	60
05			603	70
05			585	80
05			572	90
05			567	3500E
05			554	10
05			553	20
05			562	30
05			559	40
05	1546		521	50
05			504	60
05			561	70
05			675	80
05			858	90
05			52138	3600E
05			52053	10
05			51978	20
05			52851	30
05			54047	40
05			51762	50
05			49761	60
05			50386	70
05			51106	80
05			51639	90
05			51075	3700E
05			203	10
05			569	20
05			615	30
05			498	40
05			441	50
05			525	60
05			557	70
05			542	80
05				90
05	1553		490	
05	41629	51659		

PROJECT TANAMI
Prospect EL 4828
Date 15-2-89
Sheet No. _____

[illegible]

**Do not enter observed values for non-base stations.*

MAGNETICS FIELD SHEET

Sheet No.

01 59

(TYPE 2)

PROJECT TANAMIProspect 24825Traverse C.M. 12Date 15-8-89Obs. ?Inst/SN C202 GEOMETRICSFirst Station N C.M. 12 2400Last Station N C.M. 12 3600

Station Spacing

04 10

Line Id

8 14

Stn. Ref.	Time	Reading	Co-ords	Com #
3 7 8 11 12 16				
05	41050	51668	—	
05	11025	51528	2400E	
05		528	10	
05		530	20	
05		530	30	
05		534	40	
05		532	50	
05		532	60	
05		531	70	
05		532	80	
05		534	90	
05		535	2500E	
05		533	10	
05		536	20	
05		537	30	
05		546	40	
05		549	50	
05		553	60	
05		555	70	
05		560	80	
05		561	90	
05	1106	566	2600E	
05		571	10	
05		581	20	
05		587	30	
05		594	40	
05		604	50	
05		615	60	
05		623	70	
05		634	80	
05		642	90	
05	1108	653	2700E	
05		657	10	
05		656	20	
05		658	30	

Stn. Ref.	Time	Reading	Co-ords	Com #
3 7 8 11 12 16				
05		51668	2740E	
05		673	50	
05		677	60	
05		676	70	
05		678	80	
05		681	90	
05	1110	686	2800E	
05		685	10	
05		685	20	
05		683	30	
05		679	40	
05		675	50	
05		666	60	
05		659	70	
05		654	80	
05		646	90	
05	1113	642	2900E	
05		639	10	
05		635	20	
05		633	30	
05		630	40	
05		630	50	
05		634	60	
05		641	70	
05		647	80	
05		646	90	
05	4	648	3000E	
05		656	10	
05		656	20	
05		663	30	
05		667	40	
05		667	50	
05		663	60	
05		667	70	
05		661	80	

Sheet No.

(TYPE 2)

PROJECT TANAMI

Prospect (LL 4828)

Traverse CM 12

Date 15-8-89

Obs. ?

Inst/SN ?

Station Spacing Line Id

[illegible]

STATION REFERENCE NUMBERS - MAGNETICS

This sheet contains only base/~~non-base~~ (delete one) station reference numbers. Station reference numbers should be:
1-999 for base stations
1000-99999 for non-base stations

PROJECT TANAMI
Prospect 21B (CM 13)
Date 6-8-89
Sheet No. _____

[illegible]

*Do not enter observed values for non-base stations.

MAGNETICS FIELD SHEET

Sheet No.

01 33

(TYPE 2)

PROJECT TanamiProspect 218Traverse CM13Date 6-8-39Obs. P.S./E.J.Inst/SN 7531 BarringerFirst Station 02 CM13 3000Last Station 03 CM13 6000

Station Spacing

04 10

Line Id

Stn. Ref.	Time	Reading	Co-ords	Com #
05	21208	51830	—	
05	1244	51628	3000E	
05		635	10	
05		626	20	
05		627	30	
05		628	40	
05		628	50	
05		633	60	
05		632	70	
05		638	80	
05		635	90	
05		634	3100E	
05		632	10	
05		632	20	
05		637	30	
05		635	40	
05		635	50	
05		636	60	
05		635	70	
05		634	80	
05		635	90	
05		636	3200E	
05		638	10	
05		636	20	
05		642	30	
05		645	40	
05	1254	642	50	
05		638	60	
05		639	70	
05		645	80	
05		642	90	
05		644	3300E	
05		644	10	
05		647	20	
05		651	30	

Stn. Ref.	Time	Reading	Co-ords	Com #
05		51649	3400E	
05		649	50	
05		646	60	
05		643	70	
05		645	80	
05		645	90	
05		645	3400E	
05		646	10	
05		648	20	
05		646	30	
05		648	40	
05		654	50	
05		656	60	
05		659	70	
05		662	80	
05		673	90	
05		688	3500E	
05		715	10	
05		737	20	
05		736	30	
05		714	40	
05		690	50	
05		669	60	
05		660	70	
05		663	80	
05		643	90	
05	1303	51641	3600E	
05		642	10	
05		639	20	
05		651	30	
05		638	40	
05		640	50	
05		636	60	
05		624	70	
05		633	80	

MAGNETICS FIELD SHEET

Sheet No.

01 34

(TYPE 2)

PROJECT TanamiProspect 213Traverse CM 13Date 6-8-89Obs. P.S./E.J.Inst/SN 7531 SavinierFirst Station 02 N 13 ELast Station 03 N 13 EStation Spacing 04 Line Id 8

Stn. Ref.			Time			Reading			Co-ords		Com #
3	7	8	11	12	16						
05						51	627		3640E		
05						1	632		3700E		
05							636		10		
05							629		20		
05							628		30		
05							622		40		
05							617		50		
05							616		60		
05							621		70		
05							571		80		
05							595		90		
05							584		3800E		
05							727		10		
05							637		20		
05							583		30		
05							648		40		
05							628		50		
05							603		60		
05							614		70		
05							628		80		
05							614		90		
05							627		3900E		
05							619		10		
05							613		20		
05							671		30		
05				13	14		612		40		
05							606		50		
05							606		60		
05							612		70		
05							617		80		
05							630		90		
05							611		4000E		
05							611		10		
05							612		20		
05							652		30		

Stn. Ref.			Time			Reading			Co-ords			Com #
3	7		8.		11	12		16				
05								51617	4000E			
05								599	50			
05								620	60			
05								622	70			
05								598	80			
05								618	90			
05								612	4100E			
05								623	10			
05								621	20			
05								622	30			
05								609	40			
05								615	50			
05								628	60			
05								620	70			
05								614	80			
05								620	90			
05								623	4200E			
05								618	10			
05								639	20			
05								608	30			
05								623	40			
05								620	50			
05								621	60			
05								630	70			
05								617	80			
05								666	90			
05								654	4300E			
05								656	10			
05								669	20			
05								656	30			
05								636	40			
05								523	50			
05								614	60			
05								668	70			
05								592	80			

MAGNETICS FIELD SHEET

Sheet No.

01 35

(TYPE 2)

PROJECT TanamiProspect 21 BTraverse CM13Date 6-8-89Obs. P.S./E.J.Inst/SN 7531 Sarnigh

First Station 02 N 1 E

Last Station 03 N 1 E

Station Spacing 04 Line Id 8

Stn. Ref.	Time	Reading	Co-ords	Com
3	7 8	11 12	15 16	#
05		51974	4390E	
05		52072	4400E	
05		51677	10	
05		51976	20	
05		52045	30	
05		52052	40	
05		51787	50	
05		1818	60	
05		818	70	
05		918	80	
05		950	90	
05		51943	4500E	
05	1331	958	10	
05		684	20	
05		877	30	
05		812	40	
05		807	50	
05		707	60	
05		748	70	
05		762	80	
05		758	90	
05	1335	770	4600E	
05		694	10	
05		697	20	
05		685	30	
05		667	40	
05		625	50	
05		666	60	
05		648	70	
05		655	80	
05		657	90	
05		625	4700E	
05		637	10	
05		623	20	
05		630	30	

Stn. Ref.	Time	Reading	Co-ords	Com
3	7 8	11 12	15 16	#
05		51633	4740E	
05		1639	50	
05		633	60	
05		617	70	
05		633	80	
05		611	90	
05	1339	616	4800E	
05		606	10	
05		624	20	
05		641	30	
05		611	40	
05		607	50	
05		627	60	
05		641	70	
05		593	80	
05		627	90	
05	1342	657	4900E	
05		632	10	
05		627	20	
05		621	30	
05		609	40	
05		626	50	
05		625	60	
05		632	70	
05		626	80	
05		619	90	
05	1344	622	5000E	
05		627	10	
05		627	20	
05		624	30	
05		619	40	
05		637	50	
05		641	60	
05		641	70	
05		635	80	

MAGNETICS FIELD SHEET

Sheet No.

01 26

(TYPE 2)

PROJECT TanamiProspect 218Traverse CM 13Date 6-3-89Obs. P.S. / E-J.Inst/SN 7531 BanningerFirst Station 02 N 1 ELast Station 03 N 1 EStation Spacing 04 Line Id 8

Stn. Ref.	Time	Reading	Co-ords	Com
3	7 8	11 12	15 16	#
05		51650	5090E	
05	1347	629	5100E	
05		642	10	
05		643	20	
05		645	30	
05		646	40	
05		637	50	
05		643	60	
05		646	70	
05		640	80	
05		637	90	
05	1350	636	5200E	
05		636	10	
05		647	20	
05		676	30	
05		625	40	
05		634	50	
05		627	60	
05		726	70	
05		676	80	
05		661	90	
05	1353	680	5300E	
05		681	10	
05		695	20	
05		677	30	
05		671	40	
05		721	50	
05		699	60	
05		735	70	
05		702	80	
05		718	90	
05	1355	771	5400E	
05		650	10	
05		656	20	
05		695	30	

Stn. Ref.	Time	Reading	Co-ords	Com
3	7 8	11 12	15 16	#
05		51636	5440E	
05		1720	50	
05		652	60	
05		584	70	
05		675	80	
05		666	90	
05	1359	637	5500E	
05		640	10	
05		669	20	
05		759	30	
05		682	40	
05		642	50	
05		692	60	
05		720	70	
05		742	80	
05		633	90	
05		714	5600E	
05		702	10	
05		634	20	
05		725	30	
05		640	40	
05		695	50	
05		652	60	
05		777	70	
05		667	80	
05		715	90	
05	1410	762	5700E	
05		736	10	
05		812	20	
05		752	30	
05		745	40	
05		697	50	
05		788	60	
05		862	70	
05		887	80	

Sheet No.

(TYPE 2)

Prospect 215

Traverse CMB

Date 6-8-89

Obs. P.S. / E-I.

Inst/SN 7531 Barringer

[illegible]

3	12	13	14	23
Last Station	N			E

[illegible]

Station Spacing	Line Id
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[illegible][illegible]

APPENDIX 4

PNC Area 21b

- (i) Summary.
- (ii) Rock Chip Assay Data.

AREA 21B

Introduction

A detailed geological mapping, geochemical sampling, ground magnetic and radiometric survey was conducted in Area 21B (Fig. 21B.1).

Geology

The geology of the area comprises a sequence of alternating chert and minor banded iron formation and true banded iron formation (BIF) with minor chert and mudstone-shale with minor acid tuffs.

The cherts occur in white, green, brown and red outcrops which exhibit fine lamination to thick massive bedding. The bedded cherts form continuous ridges trending N-S, outcropping particularly in the western part of the area. The chert grades into the BIF through a sequence of alternating finely laminated green, white and red cherts. The cherts are generally fractured particularly those with thick bedding. The fractures are filled with a stockwork of microcrystalline quartz and hematite which is found particularly in the hinge zones of the folds. To the south minor silicified acidic tuffs occur at the BIF-chert boundary. Intercalation of thin mudstone and shale layers in chert beds has also been observed.

The BIF layers may contain minor chert, shale and acidic tuff while highly fractured BIF layers at the hinge zones of both major and minor tight folds are filled with later generation microcrystalline quartz, and goethitic hematite. Gossanous BIF was found interbedded with shale and mudstone at several localities and commonly forms small ridges.

The rocks of the area are predominantly steeply dipping and generally have a cleavage or schistosity subparallel to bedding, indicating tight to isoclinal folding. A major syncline structure the axis of which trends north-south has developed in the area. A north-westerly trending structure

was superimposed over the north-south trending major structure. Shearing occurs along bedding plane parallel to the axial plane of the syncline. Fracturing and strike-slip faulting across the syncline are common.

A general ground radiometric follow-up survey to the airborne radiometric survey was carried out (SPP2) over BIF-chert outcrops and laterites for reasons that:

(a) two anomalies of 400 and 500cps were found during exploration in 1986 and

(b) several airborne radiometric anomalies with a U channel source were identified. Background radiometric levels ranged from 60 to 80 cps. Airborne anomalies ranged from 100 to 270 cps by SPP2 and from 180 to 455 cps by gamma ray spectrometer (Table 1). As can be seen from the Table, Th/U ratios of the radiometric anomalies are below 1, indicating a uranium enrichment rather than thorium. Uranium anomalies occur in goethized BIF and ferruginised chert and are confined to fractures and shear zones developed along bedding planes.

Geophysics

A ground magnetic survey with a station spacing of 10m on two gridlines of 7 km in an east-west direction was carried out based on an airborne magnetic anomaly trending north-south. Only line 1000N has a considerable magnetic response of 800 gamma over a small area and some others with low magnitude to the east. The source of the north-south trending anomaly has not been identified. Airborne radiometric highs are coincident with the BIF and laterites. A major correlation occurs between airborne magnetic and radiometric anomalies to the east of the area. (Figs. 21B.4A, 4B).

Geochemistry

Samples collected from gossanous BIF and chert and from ground checked airborne radiometric anomalies (Fig. 21B.2) were analysed for U, Th, Au, As, Cu, Zn, Y, La, Yb, Ga and Cr to evaluate the potential of the area. Uranium contents ranged from 4 to 130 ppm, with an average of 23 ppm with most samples below 20ppm. The highest U content obtained was confined to goethitized a BIF layer. Gold values ranged from 0.02 to 0.1ppm, which are located in a synclinal hinge zone of chert. It is suggested that gold values higher than 0.06ppm require follow-up sampling to fully evaluate their gold potential. Cr contents ranged from 65 to 400ppm with an average of 229 ppm. There is no correlation between As and Au contents, higher contents of As are coincident with those of U and Cu.

Conclusions

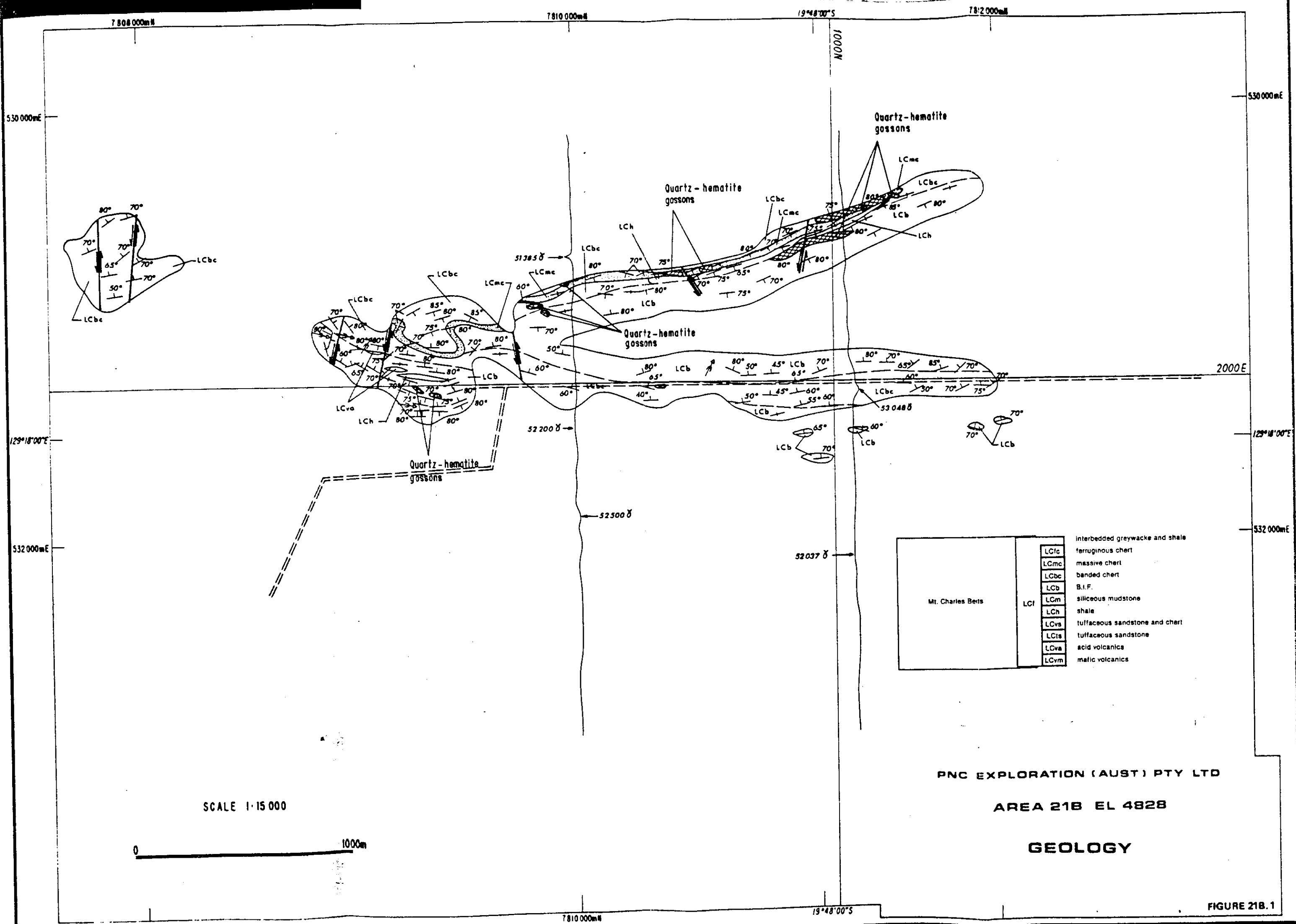
The BIF-chert sequence was probably deposited in a shelf marine or submarine platform environment with no detrital source. Shallower environments are unlikely due to absence of any facies indicative of shallow water. Tuffaceous rocks associated with the BIF chert sequence may indicate a volcanic centre away from the depositional environment. It is likely that gold which is deposited in the BIF-chert is syngenetic and may have been reconcentrated, during late diagenesis or low grade metamorphism, from solution forming quartz-hematite gossans in the BIF-chert sequence. Minor uranium concentrations in the BIF-chert sequence appear to have formed from a scavenging process related to weathering of the BIF profile.

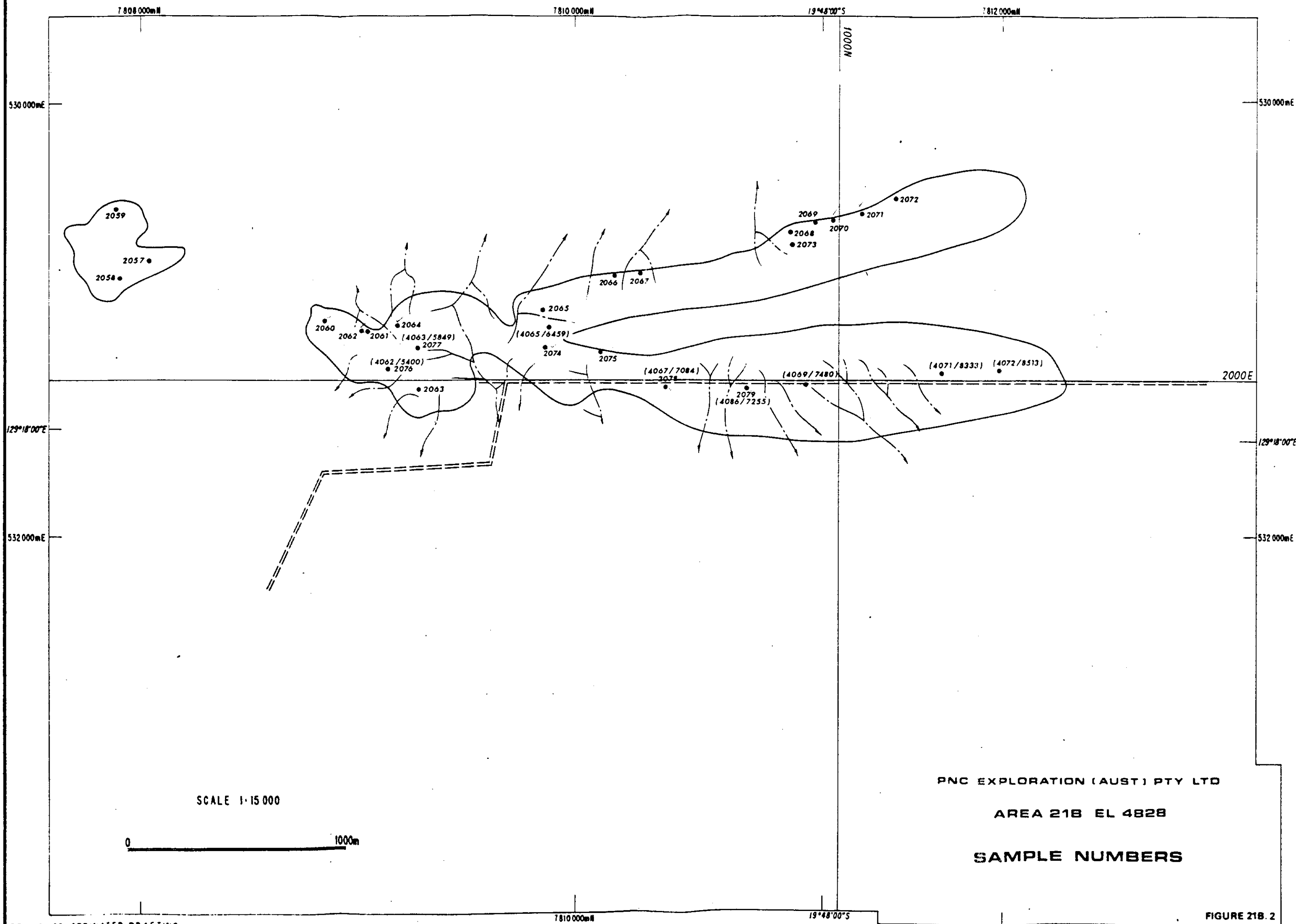
Recommendations

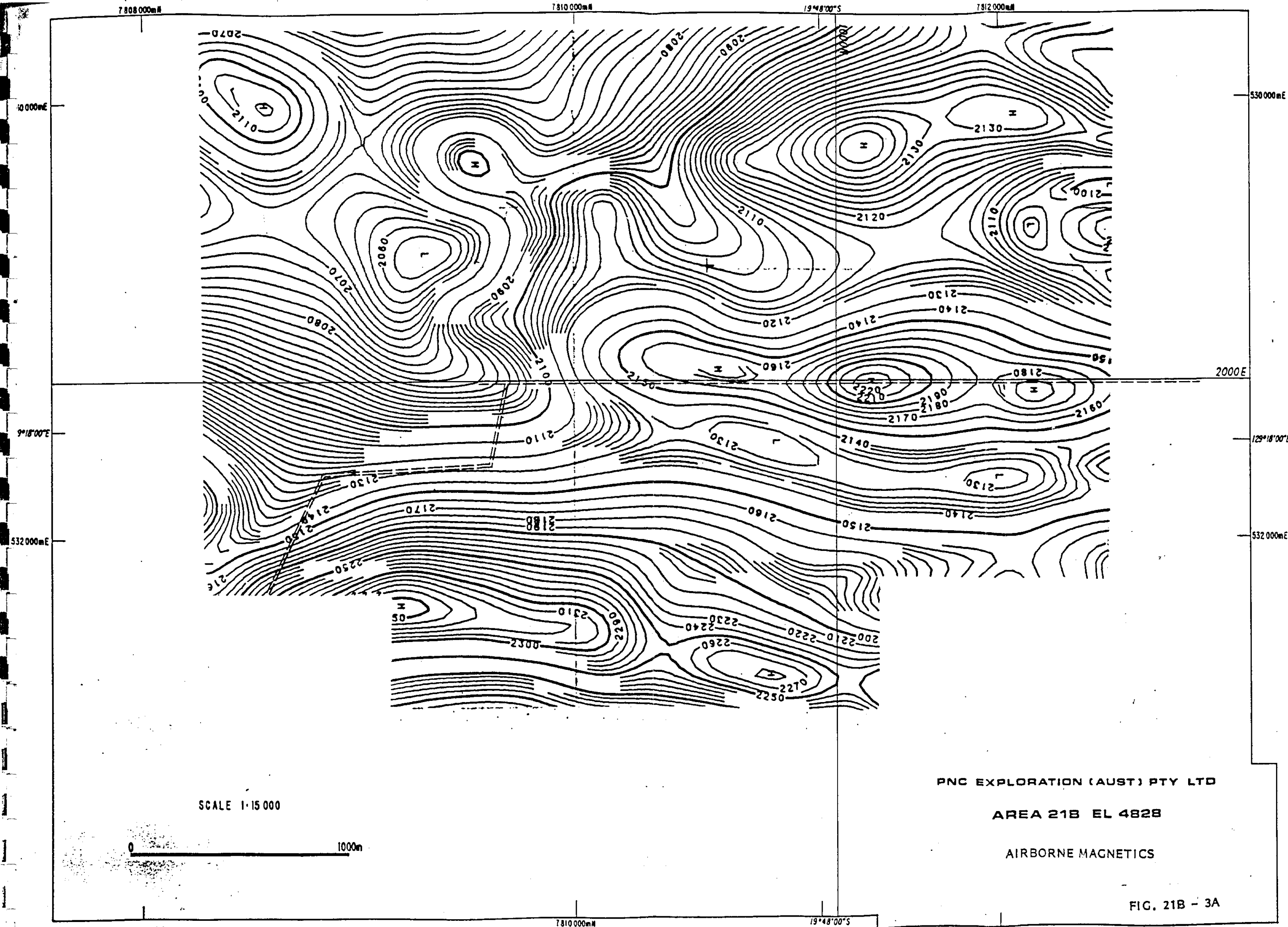
Follow up sampling for gold where its content is higher than 0.06ppm. RAB drilling of gold anomalies over 0.05 ppm is suggested to determine their extent. A ground magnetic survey to determine the cause of northerly trending linear airborne anomaly. One line of RAB drilling across the sand cover to the east to provide data about lithology and stratigraphy.

TABLE 1: AIRBORNE RADIOMETRIC FOLLOW-UP ANOMALIES GROUND-CHECKED BY SPP2 & PORTABLE GAMMA RAY SPECTROMETER

SAMPLE NO.	SPP2 CPS	GAMMA RAY SPECTROMETER (CPS)				Th/U	Th/U	LITHOLOGY
		T.C.	Th	U+Th	U+Th+K	RADIO- METRIC	CHEM- ICAL	
4062/5400 (2076)	250	290	1.0	4	8	0.3	0.08	BIF
4063/5849 (2077)	250	370	1.1	4.8	10	0.3	0.05	BIF
4065/6459 (2065)	110	180	1.5	3.6	7	0.7	0.26	Laterite
4067/7084 (2078)	250	455	1.6	5	8	0.5	0.20	BIF
4068/7255 (2079)	250	375	2.2	8	13	0.4	15.5	Laterite
4069/7708	150	275	1.6	5.4	8	0.4	-	Laterite







SCALE 1:15 000

0 1000m

PNC EXPLORATION (AUST) PTY LTD

AREA 21B EL 482B

AIRBORNE MAGNETICS

FIG. 21B - 3A

7808 000mN

7810 000mN

19°48'00"S

7812 000mN

530 000mE

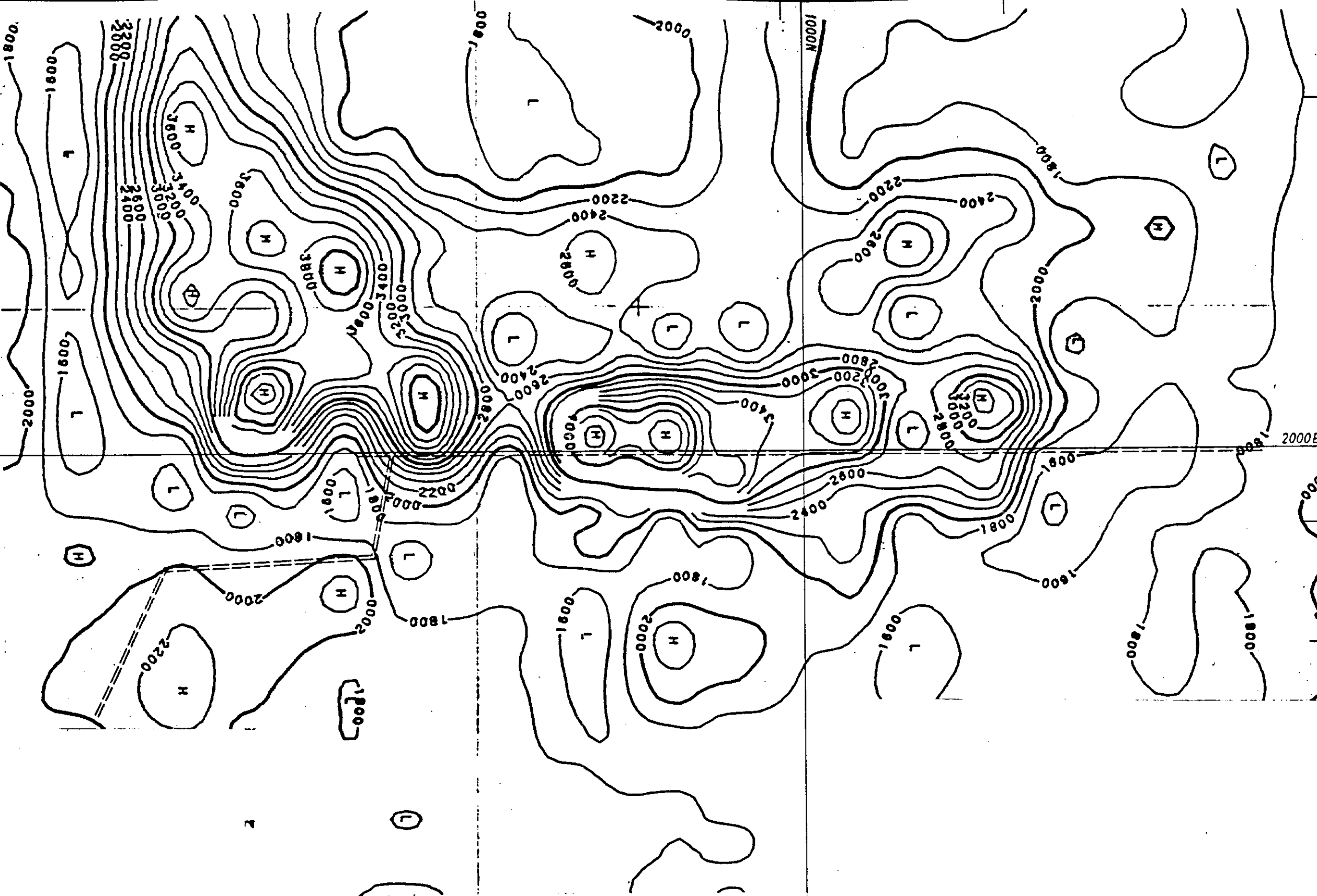
530 000mE

129°18'00"E

129°18'00"E

532 000mE

532 000mE



SCALE 1:15 000

0 1000m

PNC EXPLORATION (AUST) PTY LTD

AREA 21B EL 482B

AIRBORNE RADIOMETRICS

FIG. 21B - 3B

7810 000mN

19°48'00"S

Analysis code EFAS

Report AC 23537/87

Page F1

Order No. PNCP156-87

Results in ppm

Sample	Au
850	0.02
851	0.02
855	0.18
856	0.16
857	0.08
858	0.16
859	0.02
860	0.02
861	0.08
862	0.04
863	0.02
864	<0.02
865	<0.02
866	0.04
867	0.04
868	0.02
892	0.02
893	0.08
894	0.02
910	<0.02
911	0.14
912	0.02
913	0.02
914	0.12
915	0.12
916	0.04
917	0.16
919	0.10
920	NO SAMPLE
2049	0.32 0.44
2050	0.18
2051	0.06
2052	0.04
2053	0.04
2054	0.04
2055	0.02
2056	1.05
2060	0.08
2062	0.02
2064	0.10
Detn limit	(0.02)



Analysis code EFAS

Report AC 23537/87

Page F2

Order No. PNCR156-87

Results in ppm

Sample	Au
2070	<0.02
2071	0.02
2074	0.02
2078	<0.02
2079	0.06
2090	0.08
2092	0.06
2094	0.04
2095	0.02
2096	<0.02
2097	0.04
2098	0.18
2099	0.02
2100	0.43
2101	0.08
2102	<0.02
2103	0.16
2104	0.02
2105	0.02
2106	0.02
2107	0.33
2108	0.02
2109	0.02
2110	0.18
2111	0.18
2112	0.04
2113	0.04
2114	0.02
2115	<0.02
2116	<0.02
2117	<0.02
2118	0.04
2121	0.02
2123	<0.02
2124	<0.02
Detn limit	(0.02)

Analysis code A1/2

Report AC 23537

Page G1

Order No. 3511.

Results in ppm

Sample	Cu	Zn
892	2000	12
893	20	32
894	12	44
910	26	32
911	94	48
912	770	16
913	10	22
914	6	18
915	48	18
916	14	22
917	72	46
919	28	18
920	No Sample	
2049	66	46
2050	46	120
2051	16	18
2052	24	28
2053	14	22
2054	155	12
2055	40	24
2056	110	54
2062	16	22
2064	6	12
2070	26	16
2071	7	14
2074	42	40
2078	110	56
2079	34	12
2090	22	14
2092	130	12
2094	490	290
2095	12	8
2096	16	9
2097	180	115
2098	7	10
2099	225	105
2100	24	10
2101	48	10
2102	12	32
2103	14	10
Detn limit	(2)	(2)

Analysis code X1/X2

Report AC 23537

Page X1

Order No. 3511

Results in ppm

Sample	U	Th	Pb	As	Se	
892	6	<4	<4	<2	2	
893	4	<4	4	14	<2	
894	6	<4	4	3	<2	
910	4	<4	8	275	<2	
911	8	<4	6	335	<2	
912	<4	4	6	195	2	
913	4	<4	<4	10	2	
914	6	<4	10	5	<2	
915	4	<4	10	105	2	
916	<4	<4	<4	6	<2	
917	4	<4	15	450	3	
919	<4	<4	40	9	5	
2049	8	6	255	2900	6	
2050	4	<4	15	72	3	
2051	<4	4	10	135	3	
2052	4	<4	25	92	2	
2053	<4	<4	15	3	<2	
2054	<4	<4	8	525	3	
2055	4	<4	35	3	<2	
2056	4	<4	1160	1260	<2	
2060	4	<4	25	96	4	
2062	6	<4	<4	26	<2	
2064	<4	<4	8	58	3	
2070	15	<4	45	105	3	
2071	6	<4	15	32	2	
2074	4	8	65	50	5	
2078	40	8	35	185	4	
2079	10	155	45	92	3	
2090	4	<4	10	3	7	
2092	4	<4	20	190	<2	
2094	<40	<40	250	180	20	(B! 1.2%)
2095	4	<4	<4	<2	<2	
2096	<4	<4	<4	18	<2	
2097	4	<4	8	12	<2	
2098	4	<4	<4	6	2	
2099	25	4	6	245	3	
2100	4	6	110	815	<2	
2101	<4	<4	<4	190	2	
2102	4	30	30	4	<2	
2103	<4	<4	<4	32	<2	
Detn limit	(4)	(4)	(4)	(2)	(2)	

Analysis code X6

Report AC 23537

Page X3

Order No. 3511

Results in ppm

Sample	U	Th	As	Y	Yb	La	Ga
850	4	8	28	10	<10	35	15
851	10	8	68	10	<10	45	10
855	<4	<4	130	6	<10	40	15
856	6	20	16	15	<10	40	20
857	<4	<4	18	15	<10	<20	4
858	6	4	12	8	<10	25	20
859	<4	8	5	20	<10	65	8
860	4	4	7	6	<10	50	6
861	6	4	56	10	<10	40	15
862	6	8	24	8	<10	35	15
863	6	6	10	10	<10	<20	15
864	6	15	22	9	<10	35	15
865	6	<4	12	6	<10	25	6
866	8	8	38	10	<10	30	15
867	4	<4	32	6	<10	<20	20
868	8	<4	34	6	<10	20	15
918	<4	10	145	10	<10	<20	8
2057	<4	<4	160	4	<10	<20	<4
2058	<4	<4	54	<4	<10	15	<4
2059	<4	<4	26	<4	<10	15	<4
2061	<4	<4	14	<4	<10	<20	4
2063	<4	<4	100	4	<10	<20	<4
2065	15	<4	175	25	<10	65	6
2066	20	<4	120	6	<10	<20	4
2067	<4	<4	24	6	<10	<20	<4
2068	6	<4	9	4	<10	<20	<4
2069	4	<4	4	4	<10	<20	<4
2072	<4	<4	4	4	<10	<20	<4
2073	<4	<4	42	8	<10	20	<4
2075	4	<4	22	4	<10	<20	<4
2076	50	<4	170	8	<10	<20	<4
2077	75	<4	170	6	<10	15	6
2091	10	<4	28	<4	<10	<20	<4
2093	<4	<4	76	10	<10	90	<4
2119	4	8	5	25	<10	45	20
2120	4	4	3	10	<10	35	<4
Detn limit	(4)	(4)	(2)	(4)	(10)	(20)	(4)

Analysis code X6

Report AC 23537

Page X4

Order No. 3511

Results in ppm

Sample	Nb	W
850	<4	10
851	4	120
855	<4	30
856	4	10
857	<4	15
858	4	15
859	<4	15
860	<4	<10
861	<4	55
862	<4	40
863	4	20
864	4	30
865	<4	25
866	8	30
867	<4	20
868	<4	15
918	<4	<10
2057	<4	10
2058	<4	<10
2059	<4	10
2061	<4	10
2063	<4	<10
2065	<4	15
2066	<4	<10
2067	<4	<10
2068	<4	<10
2069	<4	<10
2072	<4	<10
2073	<4	<10
2075	<4	<10
2076	<4	10
2077	<4	25
2091	<4	<10
2093	<4	10
2119	10	10
2120	4	10
Detn limit	(4)	(10)



Analysis code A1/1

Report AC 23537

Page G1

Order No. 3511

Results in ppm

Sample	Cu	Zn	Cr
850	12	5	25
851	14	6	65
855	140	<2	60
856	10	6	65
857	18	270	60
858	5	2	35
859	7	<2	85
860	4	4	135
861	58	<2	175
862	38	<2	70
863	14	<2	120
864	30	<2	175
865	34	2	55
866	36	2	85
867	18	6	75
868	22	2	35
918	24	300	20
2057	30	8	215
2058	12	6	360
2059	14	<2	445
2061	6	2	400
2063	14	<2	225
2065	56	50	100
2066	28	9	65
2067	5	3	315
2068	6	4	385
2069	6	2	275
2072	6	<2	330
2073	34	5	365
2075	12	100	160
2076	52	100	125
2077	7	84	110
2091	76	66	150
2093	52	10	215
2119	12	10	100
2120	16	6	235
Detn limit	(2)	(2)	(10)

APPENDIX 5

PNC Area 29 (1987)

- (i) Summary
- (ii) Rock Chip Assay Data.

AREA 29

Introduction

A large dipole magnetic anomaly, located from the BMR airborne magnetic survey, was investigated using ground magnetics. The airborne anomaly had a strong dipole character and situated in a unique structural setting. The ground magnetic survey was undertaken to elucidate on the field relations between the magnetic body and surrounding rocks. (Figs. 29.2, 29.3).

Geology

The geology in this area is complex and consists of volcanic Mt. Charles Beds overlaid unconformably by a thin basal crossbedded quartzite unit of the Killi Killi Beds. This quartzite passes upward into sandstone and shale of the Killi Killi flysch sequence. The rocks have a north-south trend in the area and are cut by a fold hinge or kink trending at 330° , in the anomaly area. The only rocks that outcrop are quartzites of the basal Killi Killi Beds and small outcrops, in the south, of Killi Killi and Mt. Charles Beds. (Fig. 29.1, 29.2).

The area of the magnetic anomaly is covered by Quaternary sand.

Magnetics

A ground magnetic survey of 100 m line spacing with 10 m reading interval, was undertaken. The contour map shows a weakly magnetic body some 400 m across and 1000 m long of a semi-concordant elliptically shaped intrusion interpreted from the well developed dipole and sharp edges of the anomaly, the body possibly only overlaid by sand as indicated by the sharpness of the eastern and western margins of the anomaly. The anomaly has a character pipe like in nature suggestive of a carbonatite or kimberlitic like intrusive source. (Fig. 29.3).

Rock Chip Sampling

A small rock chip sampling programme was carried out over a small outcrop of Mt. Charles Beds, after a sample of quartz was found to contain arsenopyrite. Three samples were taken to evaluate the correlation between arsenic and gold. The highest gold value was 0.1 ppm. (Fig. 29.1).

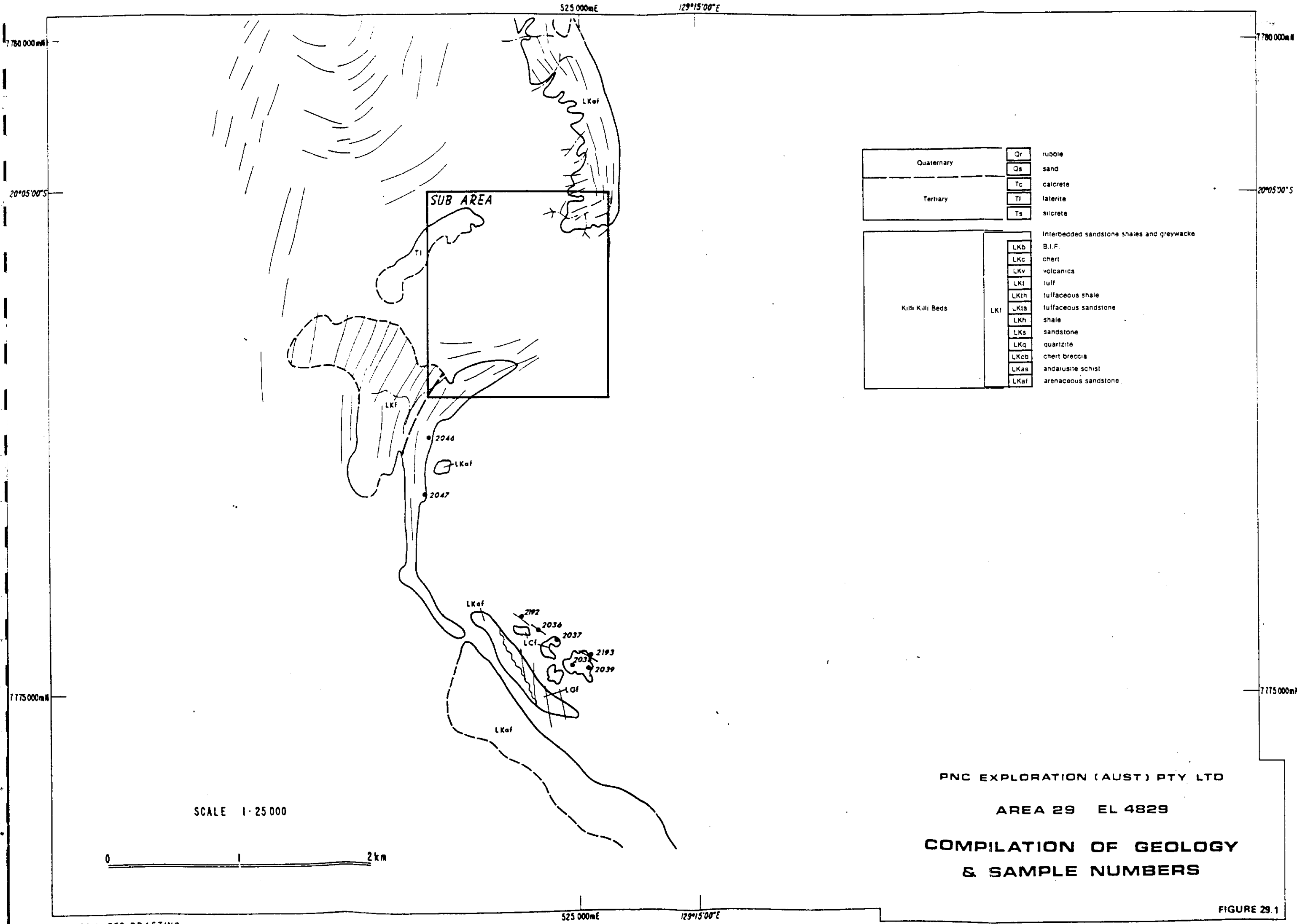
1000ppb !!

Conclusion

Further work is recommended to evaluate the economic potential of the intrusive rock. If the rock is a kimberlite then the economic potential is low, unless it is shown to be diamondiferous. If the intrusive is of a carbonatite affinity then exploration should be orientated to evaluate potential REE and uranium mineralisation.

A diamond drilling programme is recommended for the 1988 field season to obtain decisive information on the nature of the intrusive rock, while grid/RAB drilling will be used to collect geological and geochemical information.

If the magnetic rock is of a kimberlitic affinity a programme of auger drilling to outline the topography of the surface of the intrusion is recommended. Costeaning of gravels located in depressions over the intrusion should be sampled for possible accumulations of alluvial diamonds.



Quaternary	Qr	rubble
	Qs	sand
Tertiary	Tc	calcrete
	Tl	laterite
	Ts	siltcrete
Kili Kili Beds	LKb	Interbedded sandstone shales and greywacke
	LKc	B.I.F.
	LKv	chert
	LKl	volcanics
	LKth	tuff
	LKts	tuffaceous shale
	LKh	tuffaceous sandstone
	LKs	shale
	LKq	sandstone
	LKcd	quartzite
	LKas	chert breccia
	LKaf	andalusite schist
	LKaf	arenaceous sandstone

PNC EXPLORATION (AUST) PTY LTD

AREA 29 EL 4829

COMPILATION OF GEOLOGY
& SAMPLE NUMBERS

FIGURE 29.1

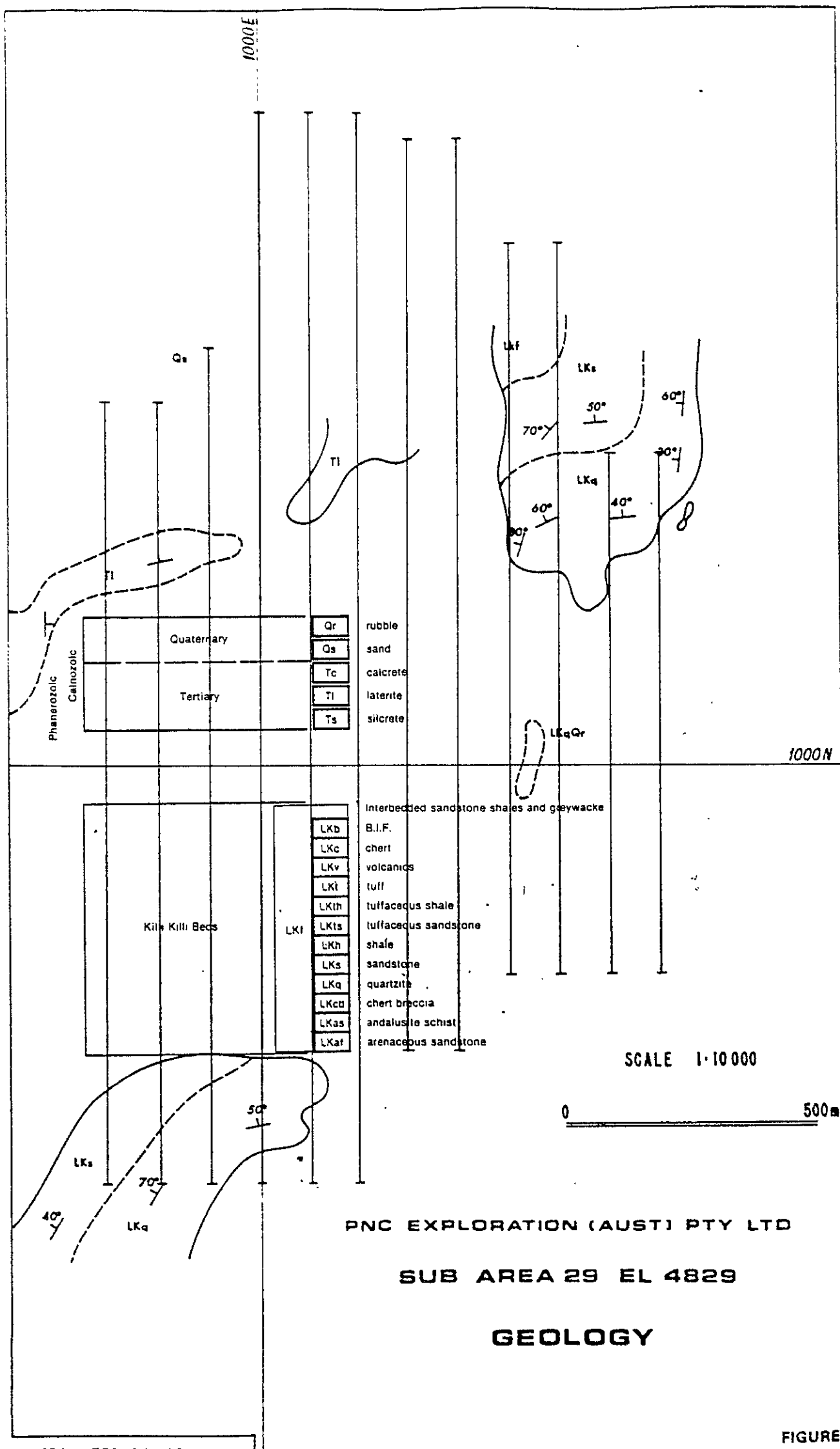
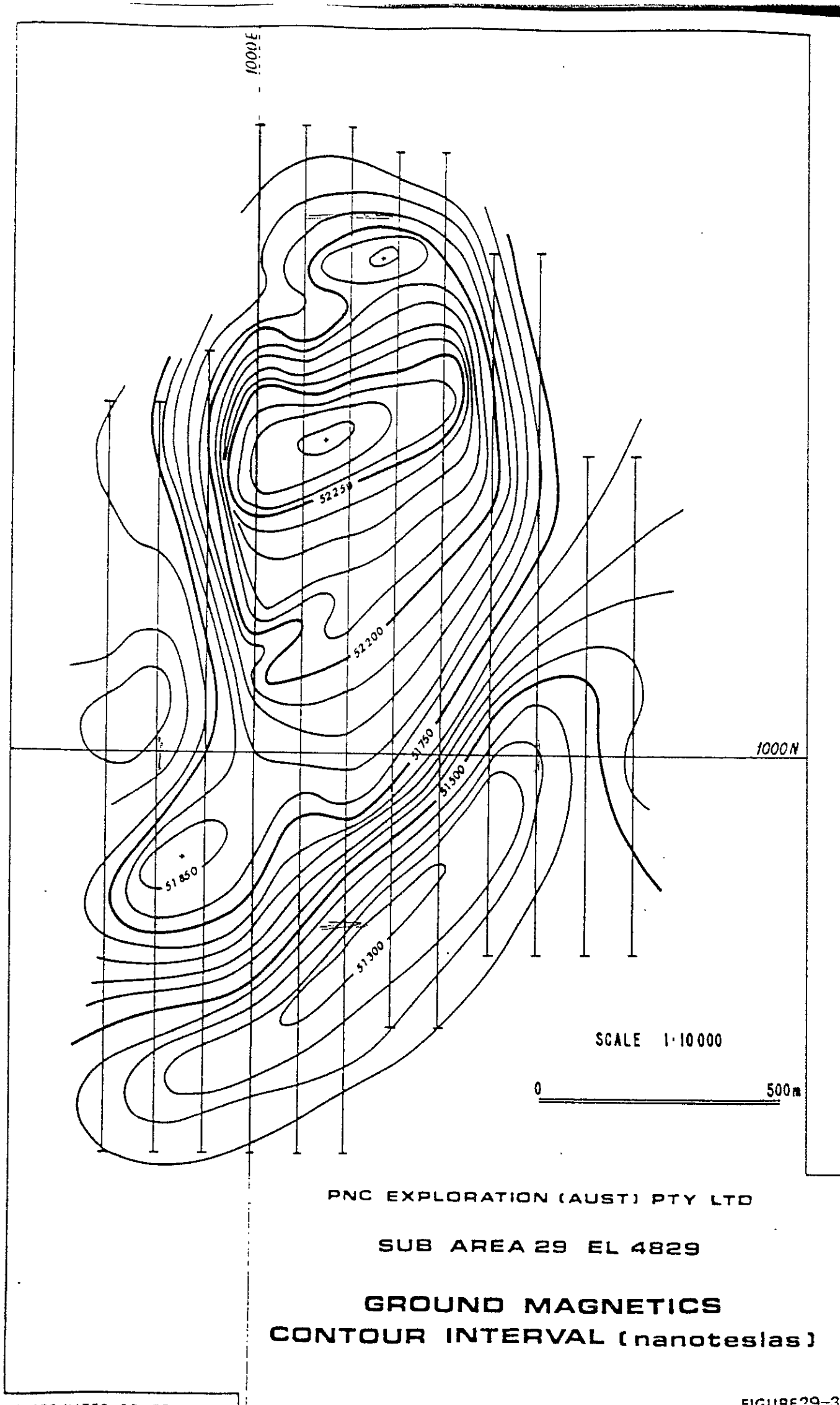


FIGURE 29-2





Analysis code X1+X2

Report AC 24302

Page X2

Order No. 3566

Results in ppm

Sample	U	Th	As	Se	Pb	W	Y
2006	2100	<100	200	<50	800	2500	14.6%
2007	1700	<100	160	<50	800	1700	11.5%
2008	800	<100	100	<50	300	1100	7.60%
2009	1000	<100	120	<50	300	1100	6.35%
2010	1000	<100	160	<50	400	1100	5.15%
2011	30	140	10	<2	8	25	1020
2012	350	<4	26	<2	135	15	710
2013	515	<4	30	<2	295	15	325
2014	350	<4	18	2	130	10	30
2017	<4	<4	9	<2	15	<10	30
2018	<4	4	<2	<2	10	10	25
2019	6	10	<2	<2	6	10	15
2023	<4	<4	40	18	15	10	20
2024	4	320	20	<2	<4	<10	15
2025	6	665	38	<2	<4	10	15
2026	75	295	275	<2	70	25	125
2027	6	15	2	<2	4	10	25
2028	<4	25	2	<2	<4	<10	15
2029	4	20	3	2	<4	15	10
2030	160	<100	60	<50	200	650	2.42%
2031	4	35	3	<2	<4	20	400
2032	<4	30	<2	<2	<4	15	70
2033	<4	35	6	<2	<4	15	75
2034	<4	25	7	2	<4	10	20
2035	<4	30	3	<2	4	15	25
2036	4	<4	7	<2	<4	<10	20
2037	<4	<4	78	<2	45	<10	15
2038	6	<4	32	<2	8	10	10
2039	<4	35	10	<2	10	15	10
2040	10	105	96	<2	25	10	25
2131	<4	<4	7	<2	<4	15	8
2132	<4	<4	<2	<2	<4	10	8
2133	<4	<4	8	<2	4	<10	8
2135	4	140	10	<2	8	<10	15
2136	6	<4	4	2	<4	<10	20
2137	<4	10	<2	<2	<4	<10	15
2138	<4	<4	40	<2	20	15	6
2140	<4	<4	9	2	10	<10	4
2141	<4	<4	5	2	6	10	6
2143	4	<4	100	<2	15	15	10
Detn limit	(4)	(4)	(2)	(2)	(4)	(10)	(4)



Classic Laboratories Ltd

Analysis code X1+X2

Report AC 24302

Page X3

Order No. 3566

Results in ppm

Sample	U	Th	As	Se	Pb	W	Y
2144	<4	<4	14	<2	15	<10	15
2145	<4	<4	7	<2	<4	10	8
2146	<4	<4	4	<2	<4	10	6
2147	<4	<4	12	<2	<4	<10	8
2148	4	<4	7	<2	8	10	10
2149	<4	<4	2	<2	<4	15	6
2150	<4	<4	2	<2	10	10	<4
2151	6	<4	26	<2	<4	10	4
2152	10	<4	80	<2	15	25	4
2153	4	<4	6	<2	<4	10	4
2154	10	<4	220	3	<4	15	15
2155	<4	<4	3	2	<4	10	4
2156	<4	<4	7	<2	<4	<10	4
2157	4	<4	5	<2	<4	10	10
2158	<4	<4	<2	<2	<4	<10	10
2159	4	<4	<2	<2	<4	10	8
2160	4	<4	12	<2	6	10	25
2161	6	<4	42	3	10	<10	<4
2162	<4	<4	12	14	15	20	<4
2163	4	<4	6	<2	15	10	4
2164	85	<4	210	2	215	15	6
2165	6	<4	8	<2	15	<10	<4
2168	10	<4	20	<2	15	<10	8
2169	<4	<4	14	3	10	20	8
2170	4	15	76	<2	10	20	15
2166	4	<4	205	<2	6	<10	10
2125	4	<4	6	2	6	10	<4
2190	1280	<4	535	<2	125	<10	20
2191	1480	<4	445	<2	105	15	20
2192	15	<4	26	3	35	15	4
2193	35	85	54	<2	15	25	45
2194	20	<4	20	<2	15	60	15
2201	4	<4	100	<2	6	15	<4
2202	6	<4	100	4	8	<10	<4
2203	4	<4	20	<2	<4	<10	<4
2204	<4	<4	130	10	8	10	<4
2205	<4	<4	18	<2	<4	10	<4
2206	10	<4	680	3	10	10	<4
2207	<4	<4	155	<2	4	10	<4
2208	<4	<4	82	<2	<4	10	4
Detn limit	(4)	(4)	(2)	(2)	(4)	(10)	(4)

Analysis code A1/1

Report AC 24302

Page 62

Order No. 3566

Results in ppm

Sample	Cu	Zn	Cr
1909	96	360	30
2002	6	14	190
2003	<2	48	130
2005	3	7	65
2006	3	6	40
2007	4	5	90
2008	3	6	240
2009	3	4	275
2010	5	9	40
2011	14	16	235
2012	4	10	220
2013	2	9	65
2014	3	9	85
2017	175	56	35
2018	3	6	85
2019	3	5	85
2023	22	12	125
2024	16	4	405
2025	9	3	385
2026	28	4	145
2027	5	7	20
2028	2	3	325
2029	4	<2	120
2030	2	4	170
2031	2	2	210
2032	10	3	245
2033	2	24	375
2034	<2	5	220
2035	12	<2	270
2036	6	10	590
2037	30	3	710
2038	40	92	495
2039	4	6	70
2040	<2	3	175
2131	10	2	440
2132	20	2	395
2133	135	10	50
2135	120	22	110
2136	18	5	150
2137	2	3	180
Detn limit	(2)	(2)	(10)



Analysis code A1/1

Report AC 24302

Page 65

Order No. 3566

Results in ppm

Sample	Cu	Zn	Cr
2020	1440	110	60
2021	1580	185	90
2022	1720	170	55
2168	66	24	515
2169	52	2	175
2170	7	2	80
2190	1480	50	130
2191	1800	54	100
2192	96	10	340
2193	160	340	265
2194	34	60	1180
2201	30	22	175
2202	34	22	140
2203	6	<2	380
2204	6	4	165
2205	7	4	485
2206	52	42	325
2207	28	12	395
2208	6	3	330
2209	12	7	490
2210	20	9	430
Detn limit	(2)	(2)	(10)

Analysis code X1+X2

Report AC 24302

Page X6

Order No. 3566

Results in ppm

Sample	La
2006	9100
2007	7200
2008	4200
2009	3400
2010	3400
2011	155
2012	115
2013	125
2014	110
2017	<20
2018	55
2019	40
2023	<20
2024	100
2025	100
2026	1320
2027	40
2028	50
2029	45
2030	2700
2031	85
2032	60
2033	75
2034	40
2035	45
2036	20
2037	40
2038	<20
2039	85
2040	225
2131	<20
2132	<20
2133	<20
2135	305
2136	20
2137	40
2138	<20
2140	<20
2141	30
2143	50
Detn limit	(20)



Classic Laboratories Pty. Ltd.

Analysis code X1+X2

Report AC 24302

Page X7

Order No. 3566

Results in ppm

Sample	La
2144	<20
2145	<20
2146	<20
2147	<20
2148	<20
2149	<20
2150	<20
2151	<20
2152	<20
2153	<20
2154	<20
2155	20
2156	<20
2157	<20
2158	<20
2159	<20
2160	<20
2161	<20
2162	40
2163	<20
2164	<20
2165	<20
2168	<20
2169	<20
2170	40
2166	30
2125	<20
2190	<20
2191	<20
2192	<20
2193	240
2194	<20
2201	<20
2202	<20
2203	<20
2204	<20
2205	<20
2206	<20
2207	40
2208	<20
Detn limit	(20)

APPENDIX 6

PNC Area 29

- (i) Summary.
- (ii) RAB drilling data sheets.
- (iii) RAB Assay data.

AREA 29

Introduction

A large dipole magnetic anomaly was located from BMR 1:250,000 airborne magnetics by a ground magnetic survey during 1987. The magnetic anomaly was thought to be due to some subvolcanic intrusive. The area is located in the Killi Killi Beds on the eastern side of the Mt. Charles unconformity in the eastern side of EL 4829.

The outcrop exposure is poor with the basal quartzite member of the Killi Killi Beds forming a prominent ridge. The intrusive magnetic body does not outcrop.

Drill hole location and number, drill hole geology, sample numbers, ground magnetics, radon and solid geology are shown on Figures 1 to 4.

Geology

The magnetic anomaly lies at a mega scale kink in the basal unit of the Killi Killi Beds. The beds dip at 30-40° to the west away from subcrop of the Mt. Charles Beds. The Killi Killi cross bedded quartzites grade upwardly into dirty sandstones and then into interbedded sandstones and shales.

Magnetics

A 100m line spaced magnetic survey with east-west trending lines was completed over the magnetic body. The anomaly had sharp boundaries on the east and western sides with a well developed dipole apparent on the southern boundary (Figure 2). Such an anomaly is indicative of a large deep vertical body having shallow subcrop.

Emmanometry

A costean was dug through 2m of conglomerate into a radioactive (300cps) silicified clay at 1200E, 1600N. A radon/thoron survey was undertaken to outline the subcrop of this clay.

The survey was first carried out along the 1200E and 1000N base lines. The anomalous area, from 500N to 2000N, was surveyed on east-west trending using a 50 metre station spacing and 130m line spacing.

The results outlined a circular anomaly some 400-500m across lying in the northern domain of the magnetic anomaly (Figure 3). From the decay curve of the radioactivity of the gas in the measuring chamber, it appears that thoron is the main gas present.

Drilling

Four RAB-percussion drill holes were drilled along the 1200E base line to test the rocks related to the various geophysical characters (Figure 1).

Most drill holes passed through 2m of lateritic conglomerate before intersecting a 4-10m white radioactive clay band. Each hole penetrated into fresh rock where bottom of the hole petrographic and analytical samples were taken. Although the holes were spread along 1.1km of base line all rock types were basically the same. The rock, in thin section has been described as a quartz magnetite monzonite (camptonite) with fragments of mafic-ultramafics. The rock has typical lamprophyritic textures and is generally fine grained, even though the pipe is over 1.5km long and 500-600m wide (Figure 4). Numerous clasts of pyroxenite were found. The clasts have been described as augite gabbros, hornblendites and pyroxenites.

Analysis

The camptonite had elevated thorium, lanthanum and zirconium values and semi elevated niobium and nickle values, but chromium was not elevated.

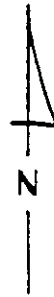
Conclusion

The camptonite has intruded the Lower Proterozoic rocks through a structural weakness and pushed the rocks aside as it intruded. The plug is large having over 70ha subcrop, however the rock is subvolcanic rather than plutonic. The plug has many characteristics in common with lamproites but the geochemistry is not typical of diamondiferous lamproites. The fact that the rock is fine grained and the plug is in a structural weakness and contains numerous mafic inclusions is indicative of a rapid intrusion, however the low chromium, presence of plagioclase and the absence of olivine and carbonate metasomatism, suggest that the plug is not a typical diamond bearing intrusive.

A 40kg sample was taken from each drill hole which has been tested for macro diamonds. If micro diamonds are detected in this plug, then a programme of drilling and micro diamond testing and a trenching programme to trace alluvial diamond fields should be undertaken.

525 000mE

1 200E



254

904P qtz monzonite
767A

7779000mN

255

901P pyrox micro monzonite
768A

20° 05'

256

903P qtz pyrox monzonite
769A

1 000N

257

903P qtz pyrox monzonite
770A

SCALE 1:10 000

0 500
metres

PNC EXPLORATION (AUST) PTY LTD
Sub AREA 29

DRILL HOLE GEOLOGY & SAMPLE NUMBERS

FIGURE 1

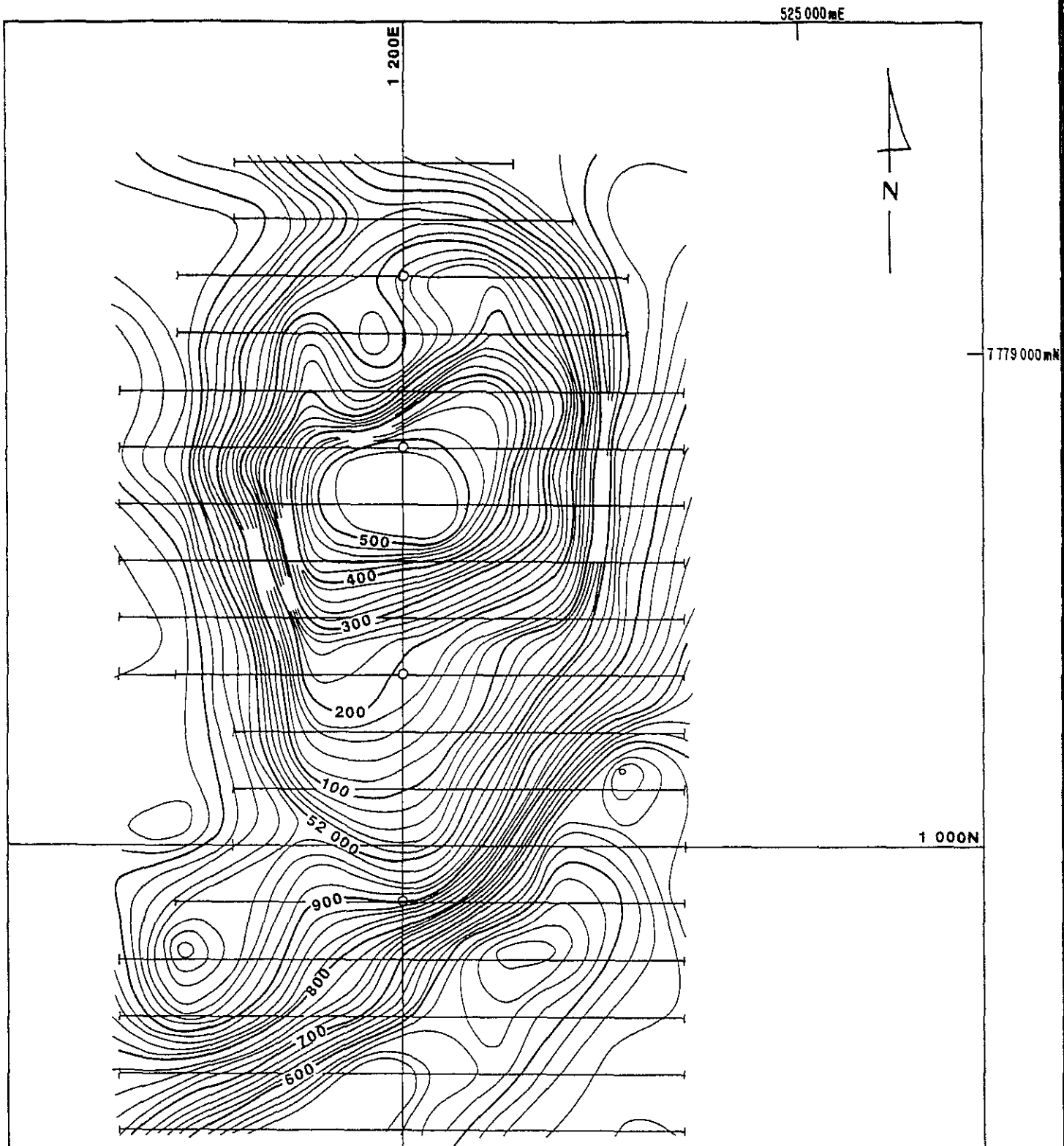
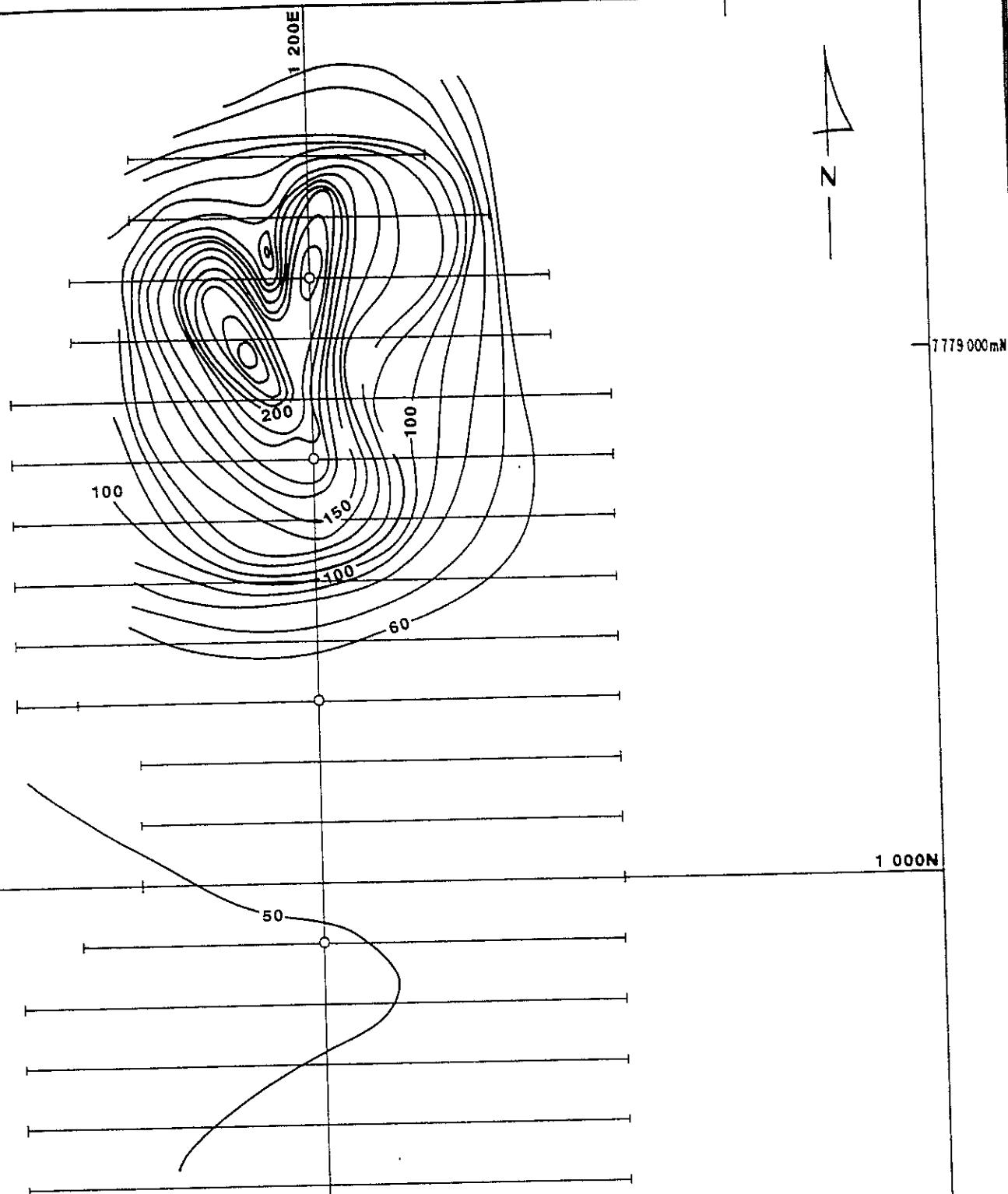


Figure 2

7 778 000 mN

525 000 mE



SCALE 1:10 000

0 500
metres

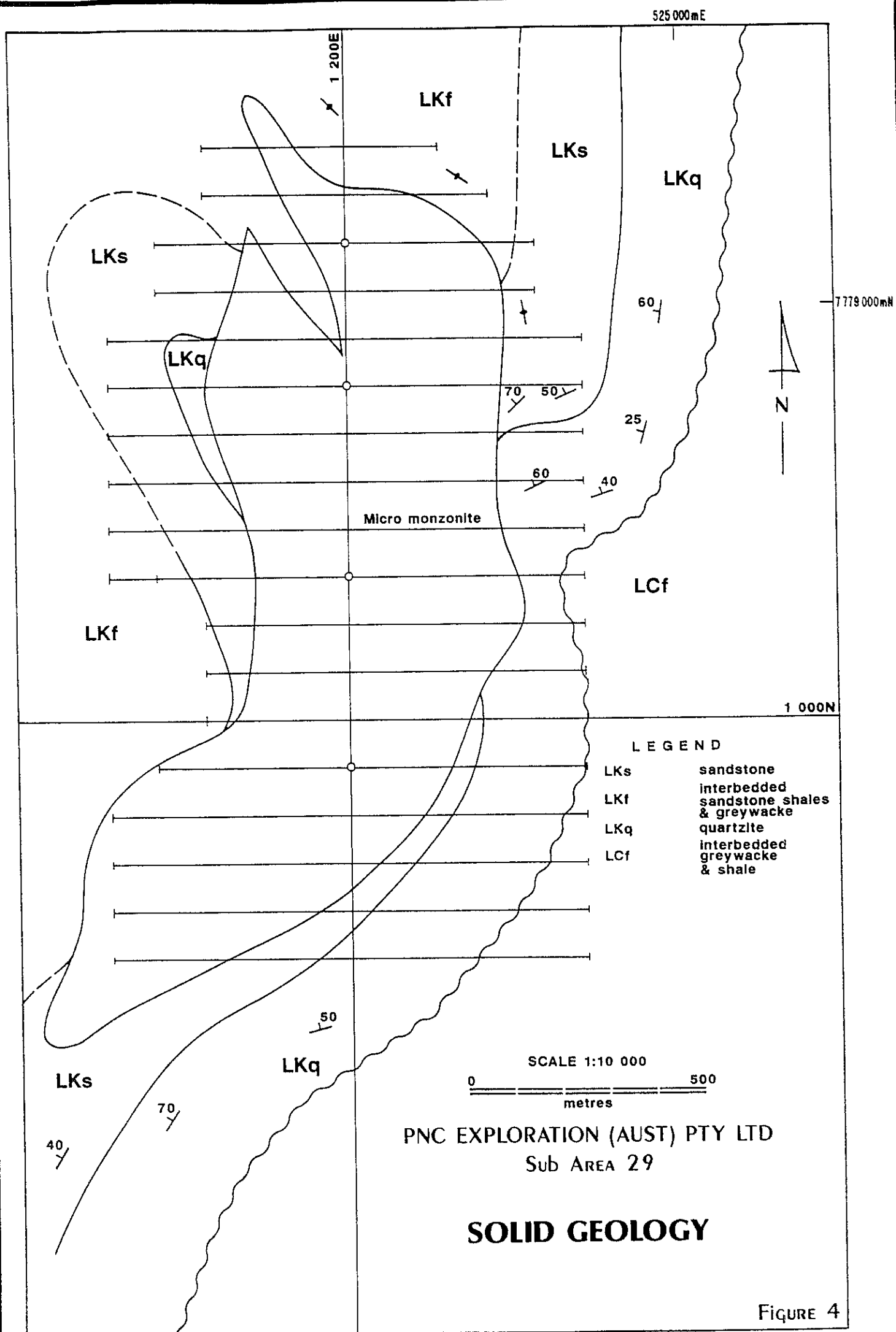
PNC EXPLORATION (AUST) PTY LTD
Sub AREA 29

contour interval 10 cpm

RADON

FIGURE 3

DRAWN: CO-ORDINATED DRAFTING



HOLE NO. 254

DATE 26 / 9 / 88

AREA 29

LOCATION

1200 E 20 00 N

FORMATION UK1

DEPTH 26m

HAMMER 24m

QUATERNARY COVER 1m sand

GEOLOGY biotite - pink feldspar - quartz granite

BOTTOM OF THE HOLE GEOLOGY lamprophyre

ASSAY NO'S 254

DEPTHS 25-26m

ASSAYS U/TH 14/74

OTHERS

PETROGRAPHY

NO.

DESCRIPTIONS

INTERESTING FEATURES

SPP2 OF SAMPLES BACKGROUND 140 PEAK DEPTH

DOWN HOLE LOGGING BACKGROUND PEAK DEPTH

WATER

HOLE NO. 255

DATE 26 / 9 / 88

AREA 29

LOCATION

1200 E 17 00 N

FORMATION UK1

DEPTH 37m

HAMMER 12m

QUATERNARY COVER 2m sand

GEOLOGY biotite - pink feldspar granite

BOTTOM OF THE HOLE GEOLOGY lamprophyre

ASSAY NO'S 255

DEPTHS 36-37m

ASSAYS U/TH 3/59

OTHERS

PETROGRAPHY

NO.

DESCRIPTIONS

INTERESTING FEATURES

SPP2 OF SAMPLES BACKGROUND 100 PEAK DEPTH

DOWN HOLE LOGGING BACKGROUND PEAK DEPTH

WATER

HOLE NO. 256

DATE 27 / 9 / 88

AREA 29

LOCATION

1200 E

1300

N

FORMATION UK1

DEPTH 26m

HAMMER 3m

QUATERNARY COVER 3m sand

GEOLOGY biotite - pink feldspar granite

BOTTOM OF THE HOLE GEOLOGY lamprophyre

ASSAY NO'S 256

DEPTHS 25-26m

ASSAYS U/TH 3/66

OTHERS

PETROGRAPHY

NO.

DESCRIPTIONS

INTERESTING FEATURES

SPP2 OF SAMPLES BACKGROUND 90

PEAK

DEPTH

DOWN HOLE LOGGING BACKGROUND

PEAK

DEPTH

WATER

HOLE NO. 257

DATE 27 / 9 / 88

AREA 29

LOCATION

1200 E

0900

N

FORMATION UK1

DEPTH 30m

HAMMER —

QUATERNARY COVER 3m sand

GEOLOGY biotite - pink feldspar granite with ultramafic

BOTTOM OF THE HOLE GEOLOGY lamprophyre with ultramafic xenoliths

ASSAY NO'S 257

DEPTHS 29-30m

ASSAYS U/TH 1/42

OTHERS

PETROGRAPHY

NO.

DESCRIPTIONS

INTERESTING FEATURES

SPP2 OF SAMPLES BACKGROUND 960

PEAK

DEPTH

DOWN HOLE LOGGING BACKGROUND

PEAK

DEPTH

WATER

Job: 8PE4886
O/N: 4018

ANALYTICAL REPORT

SAMPLE	U	Th	Y	La	Zr	As
T251	14	<4	6	<20	40	<2
T253	16	<4	78	<20	28	11
T256	68	16	1700	50	40	22
T257	100	16	1420	80	66	15
T261	12	20	26	20	210	<2
T262	105	14	32	20	175	<2
T264	14	4	56	<20	88	15
T266	14	24	22	40	195	6
T268	125	12	24	40	140	4
T270	4	<4	18	20	58	6
T272	105	32	150	40	230	5
T273	12	14	18	30	155	11
T274	6	12	22	20	160	7
T275	12	12	16	30	175	12
T276	16	24	26	30	140	5
T277	12	<4	26	30	210	7
T278	16	10	32	20	240	9
T279	10	4	14	20	165	2
T280	12	<4	20	20	92	2
T281	12	26	86	80	88	<2
T282	8	24	24	20	76	<2
T283	14	46	26	20	120	<2
T284	10	24	18	20	64	<2
T285	14	34	20	40	155	<2
T286	10	16	16	30	135	<2
UNITS SCHEME	ppm XRF1	ppm XRF1	ppm XRF1	ppm XRF1	ppm XRF1	ppm XRF1

CLASSIC COMLABS LTD

Job: 8PE4886
O/N: 4018

ANALYTICAL REPORT

SAMPLE	Cr
T251	1340
T253	1100
T256	1000
T257	500
T261	200
T262	185
T264	70
T266	410
T268	250
T270	180
T272	290
T273	135
T274	98
T275	170
T276	46
T277	66
T278	84
T279	115
T280	16
T281	68
T282	78
T283	76
T284	86
T285	68
T286	72

UNITS
SCHEME

ppm
AAS1

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Ni
T251	115	4	60	590
T253	110	6	76	650
T256	82	18	80	18
T257	82	200	46	14
T261	20	14	40	66
T262	8	10	78	66
T264	42	6	80	18
T266	15	10	32	50
T268	2	18	125	42
T270	60	6	38	46
T272	84	16	20	18
T273	3	12	3	<4
T274	9	12	3	<4
T275	30	26	3	<4
T276	10	18	3	<4
T277	14	14	3	8
T278	12	10	4	8
T279	10	10	7	8
T280	2	<4	11	24
T281	<2	22	3	<4
T282	<2	6	<2	<4
T283	<2	4	<2	<4
T284	<2	<4	<2	<4
T285	<2	36	2	<4
T286	<2	8	4	<4
UNITS	ppm	ppm	ppm	ppm
SCHEME	AAS1	AAS1	AAS1	AAS1

APPENDIX 7

PNC Area 29 (1990)

- (i) Summary.
- (ii) Petrographic descriptions (Drill core).
- (iii) Drillhole sample data.
- (iv) Multi-element scan assay data.
(Classic Labs, Sheen Analytical, Analabs)

4.0 AREA 29

4.1 INTRODUCTION

During 1988 some percussion drill samples of an intrusive rock from Area 29 in EL4829 were found to contain diamond fragments (1989 PNC Tanami Annual Report). In 1989 10 tonnes of material were put through an alluvial diamond separation plant. No diamonds were recovered from this process, because the bulk sample was heavily contaminated with lateritic pisolites (which made up 20% of the sample) and which were found to have the same density as diamonds. The microdiamonds recovered from the 1988 drill samples were examined with a binocular microscope and petrographic microscope. The fragments generally showed fresh faces and re-sorbed faces were uncommon. One diamond was found to have traces of minerals on it. Electron microprobe identified the mineral to be high Cr magnetite and calcite. Some of the diamonds were sent for nitrogen aggregation testing to help finger print the diamonds. The results from this demonstrated that there was more than one source for the diamonds and that they had no affiliation with the Argyle pipe.

4.2 GEOLOGY

The main intrusion of augite monzonite intrudes the basal units of the Killi Killi Beds where a large scale kink fold occurs. A second smaller intrusion or sill was located 1.5 km to the north-west of the main body. This intrusive is volcanic in nature and is a porphyritic rhyodacite showing strong flow bonding.

The augite monzonite in hand specimen is fairly equigranular fine grained rock with larger relic phenocrysts of augite scattered through it. The augite shows degradation to hornblende and the development of hornblende growth rims. The K-feldspar shows graphic textures with quartz which is reportedly suggesting rapid cooling and hence shallow emplacement. The primary magma consists of augite plagioclase and biotite in a potassium rich ground mass melt. The volcanic rock, which contains

numerous xenolith of ultramafic fragments, contains subrounded K-feldspar phenocrysts with plagioclase rims and smaller phenocrysts of plagioclase and green biotite. The ground mass is a fine grained matt of plagioclase and quartz. The country rock-volcanic rock contact forms a 5-10cm wide chilled margin in the volcanic with mylonitic brecciation at the contact. Although this rock is not extrusive the rock crystallised at near surface conditions.

The time of intrusion is Middle Proterozoic or later as the erosion surface must be similar to the present day level to produce near surface volcanic textures.

4.3 DRILLING

Two diamond holes were drilled one in each of the intrusions. Both precollars were drilled to 61 m and 12 m of core taken from each hole. Logs of these holes are not presented because of the uniform rock and the poor recovery from HEP2.

Two water bores were drilled to 42 m to find water for diamond drilling, however both holes were dry. Water was carted from 45 km away from Area 24 (1988 report). Hole HEP1 was drilled using one load of water while HEP2 required 5 loads and was stopped due to no water return.

4.4 GEOCHEMISTRY & MICRO DIAMOND ANALYSIS

Percussion drill samples collected for microdiamond analysis were collected before diamond drilling commenced. These samples were also sent for general analysis. The diamond core was sampled for general analysis, whole rock multi-element scan, petrographic description (see Area 15) and Pb isotope ratio determinations. The analysis and multi-element scan data demonstrated that both igneous bodies have the same magma source. HEP1 samples were found to be, with respect to HEP1 samples, elevated in Cr, Ni, Sr and to a minor extent Pb and Cu and depleted in Si. Several samples of

green sericitic xenoliths found in outcrop and drill core from HEP2 returned high Cr values (600-190ppm) suggesting an ultramafic origin. These xenoliths commonly found in the outcrop near the drill hole HEP2 may have been re-absorbed in the slow cooling main magma (HEP1), hence an elevated chrome signature from the augite monzonite.

Diamond sampling was completed by submitting 10 kg sample lots for microdiamond analysis to three different contractors. The bulk of the samples were given to two different companies who will use different heavy media separation methods. The third company received the original 1988 sample which returned micro diamonds. This re-analysis is used as a check for initial sample contamination or identify where the contamination occurred if there is any in the original sample. Results of this sample program are not at hand due to the time consuming process of micro diamond analysis.

4.5 PETROLOGY

Eight rock and drill core samples (No's 1931-1938) were sent to Amdel for thin section preparation and petrographic description. Sample 1931 is of a xenolith from an outcrop of porphyritic volcanics from Area 29. The petrologist, being asked to provide an independent interpretation has suggested in light of the nature of the rock type that the xenolith is a pumice fragment. Geochemical analysis identified this fragment as being anomalous in chrome. Samples 1931-1934 are from DDH HEP1 and samples 1935-1938 are from DDH HEP2 with sample 1937 being another xenolith found from outcrop near DDH HEP2.

4.6 CONCLUSION

If micro diamonds are found in either, or both, of the samples sent to the two main laboratories then the case for contamination being the source for the micro diamonds is diminished. If no diamonds are returned from any samples then the initial contamination originated from the primary crusher during the 1988 analysis. If micro

diamonds are only returned from the check sample, the contamination of the 1988 samples came from the field. If micro diamonds are found then a large scale exploration program looking for alluvial diamonds should be undertaken.

524 750mE

HEP 2 ●

7 779 000mN

254 ○

HEP 1 ●

255 ○

256 ○

257 ○

LKf

LKaf

LKaf

LCf

LCf

LKaf

LEGEND

TERTIARY

TI

Laterite

KILLI KILLI
BEDS

LKf

Interbedded sandstone shales and greywacke

LKaf

Arenaceous sandstone

MT CHALLES
BEDS

LCf

Interbedded sandstone and shales



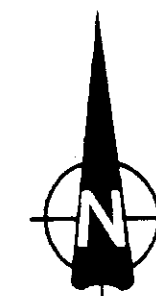
Subcrop of intrusive rocks

255 ○

Percussion drill hole 1988
location and identification

HEP 1 ●

Diamond drill hole 1990
location and identification



SCALE 1 : 25 000

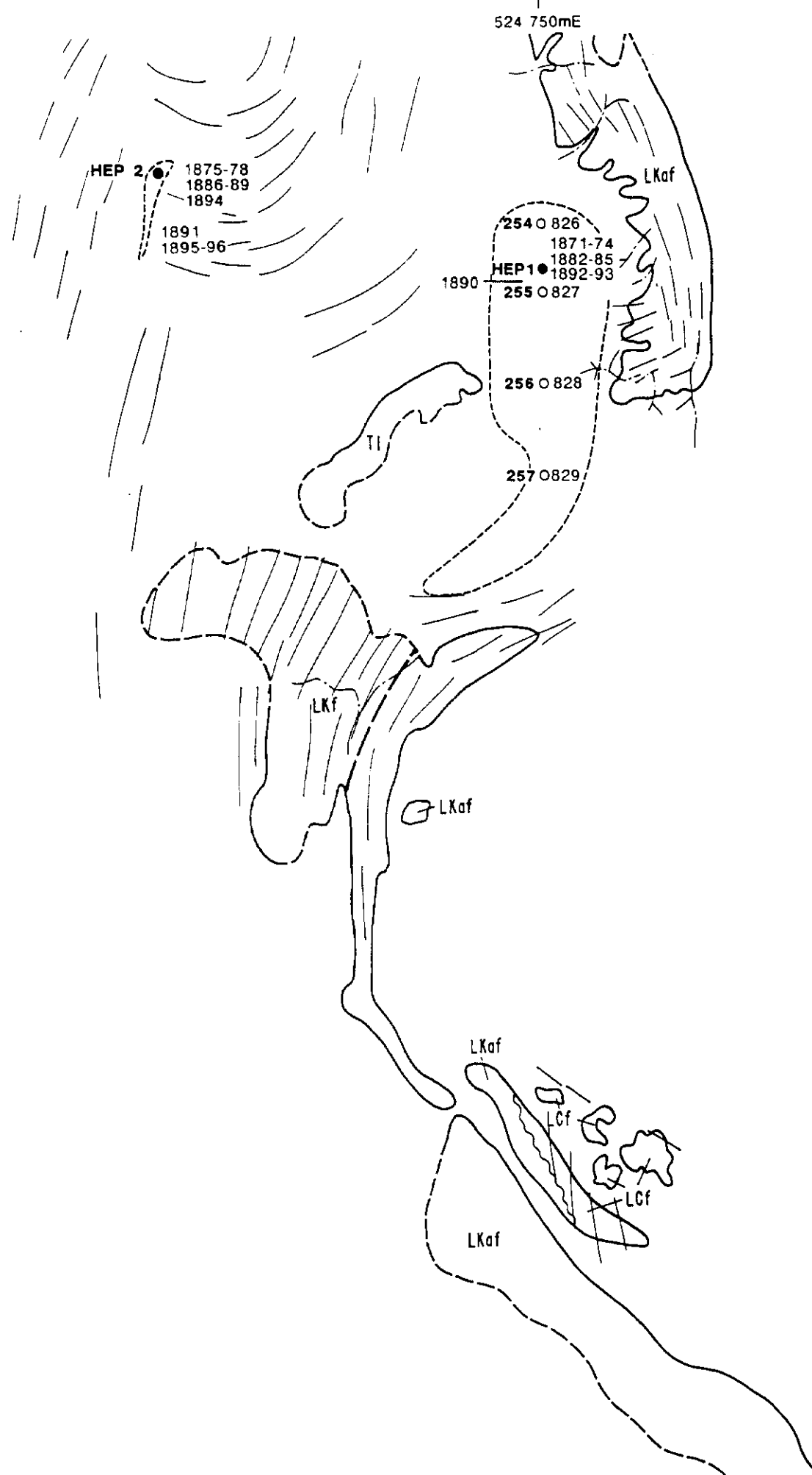
PNC EXPLORATION (AUST.) PTY LTD
TANAMI PROJECT
AREA 29

DRILL HOLE LOCATIONS

COMPILED D PEARCY

DATE DECEMBER 1990

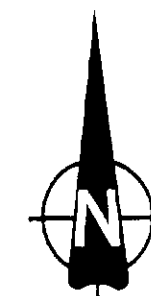
7 779 000mN



LEGEND

TERTIARY	TI	Laterite
KILLI KILLI BEDS	LKf	Interbedded sandstone shales and greywacke
	LKaf	Arenaceous sandstone
MT CHALLES BEDS	LCf	Interbedded sandstone and shales

- Subcrop of intrusive rocks
- 1870 Percussion drill hole 1988 with sample numbers
- 1875 Diamond drill hole 1990 with sample numbers



SCALE 1 : 25 000

PNC EXPLORATION (AUST.) PTY LTD
TANAMI PROJECT
AREA 29

SAMPLE LOCATION MAP

COMPILED : D. PEARCY DATE : DECEMBER 1990

SAMPLE: 1931 :TSC54013

Rock Name:

Augite-biotite monzonite

Hand Specimen:

The drill core rock slice represents a fine- to medium-grained, pinkish grey granitoid rock that contains greenish grey equant pyroxene prisms and black biotite flakes distributed through a pinkish brown felsic background.

The sample responds weakly to the hand magnet, and the section offcut stained positively for K-feldspar, revealing moderately abundant fine-grained K-feldspar in the groundmass.

Petrography:

Mineral	Vol.%	Origin
Plagioclase	34	igneous
K-feldspar	32	igneous
Quartz	3	igneous
Augite	20	igneous
Biotite	8	igneous
Hornblende	1	igneous
Opakes (magnetite?)	2	igneous
Apatite	<1	igneous

In thin section, this sample displays an inequigranular, hypidiomorphic granular, massive igneous texture.

Plagioclase occurs as twinned, subhedral prismatic crystals up to ~2 mm in size, and also as smaller subhedral to anhedral grains ~0.2-0.4 mm in size. Most of the plagioclase is fresh, but a trace of very fine-grained sericite has partly replaced some grains.

K-feldspar occurs in similar amount as plagioclase. Most occurs as subhedral to anhedral groundmass grains ~0.2-0.4 mm in size. In places, it forms ragged rims on larger plagioclase crystals.

Quartz occurs in minor amount, as small anhedral patches interstitial to feldspar.

Augite is the dominant ferromagnesian phase. It builds squat, colourless, subhedral prismatic crystals ~1 mm in size.

Biotite is moderately abundant, forming large plates up to ~4 mm long, as well as small flakes that range down to ~0.2 mm in size. Pleochroism is from dark reddish brown to straw yellow.

Hornblende forms pleochroic green rims on some augite crystals, and also builds rare small subhedral prismatic crystals.

Accessory phases include disseminated cubic opaque crystals ~0.2 mm in size (probably Ti-magnetite), and relatively abundant apatite prisms up to ~0.6 mm long.

The sample represents a moderately mafic, K-rich granitoid rock that formed by crystallisation of a monzonitic magma at moderate crustal depth.

SAMPLE: 1933 :TSC54014

Rock Name:

(Augite-)hornblende-biotite monzonite

Hand Specimen:

The drill core rock sample is a medium-grained, pink-coloured mesocratic granitoid rock in which dark greenish black ferromagnesian grains are uniformly distributed through pink to creamish pink feldspar.

The rock responds weakly to the hand magnet, and section offcut has accepted a strong yellow stain from sodium cobaltinitrite, indicating the presence of abundant interstitial K-feldspar.

Petrography:

Mineral	Vol.%	Origin
Plagioclase (incl. sericite)	35	igneous
K-feldspar	30	igneous
Quartz	2	igneous
Hornblende (incl. actinolite)	22	igneous
Biotite (incl. chlorite)	5	igneous
Augite	2	igneous
Opakes	3	igneous
Apatite	<1	igneous
Sphene	Tr	igneous
Calcite	<1	vein filling

In thin section, this sample displays an hypidiomorphic granular, granitoid igneous texture.

Plagioclase forms subhedral prismatic crystals, mostly ~0.6 mm in size, but ranging from ~0.2 to ~2.0 mm. Most grains display partial to severe replacement by fine-grained sericite flecks, as well as rare anhedral small epidote granules.

K-feldspar occurs as small interstitial patches that, in places, develop into larger poikilitic patches up to ~2 mm in size. Some patches contain very thin, wormy intergrowths of quartz that generates a micrographic texture.

Quartz occurs in minor amount mainly as anhedral interstitial patches, uniformly distributed through the rock.

Hornblende is the dominant ferromagnesian phase. It occurs as pleochroic dark greenish brown rims on augite crystals. It also forms paler replacements of augite sites, where it is accompanied by very fine-grained secondary opaques (magnetite).

Biotite forms plates up to ~1 mm in size that are pleochroic dark reddish brown to straw yellow. Most plates are quite fresh, but some contain partial replacements of chlorite along cleavage traces.

Opaques occur mainly as equant grains of cubic morphology, uniformly distributed through the rock. It is most likely Ti-magnetite.

Accessory apatite builds euhedral prismatic colourless prisms up to ~0.4 mm in size. Pleochroic brownish sphene occurs as anhedral grains and aggregates, in places associated with magnetite.

A minor amount of calcite occurs as small alteration patches, and as a filling for a thin veinlet that cuts the rock.

The sample represents a moderately mafic, K-rich rock that formed by crystallisation of a monzonitic magma. The presence of micrographic texture in some K-feldspar indicates that final crystallisation may have occurred moderately quickly, indicating a rather shallow level of emplacement.

SAMPLE: 1934 :TSC54015

Rock Name:

Altered augite-biotite monzonite

Hand Specimen:

The drill core rock sample is a medium-grained, massive, mesocratic granitoid rock containing pinkish feldspar and greenish black ferromagnesian sites. Cutting the rock are irregular veins and veinlets filled by white calcite.

The sample fails to respond to the hand magnet. The section offcut produces a positive yellow sodium cobaltinitrite stain that reveals the presence of moderately abundant interstitial K-feldspar.

Petrography:

Mineral	Vol.%	Origin
Plagioclase (incl. sericite)	35	igneous
K-feldspar	32	igneous
Quartz	2	igneous
Biotite	10	igneous
Apatite	<1	igneous
Zircon	Tr	igneous
Monazite	Tr	igneous
Chlorite	10	alteration
Actinolitic amphibole	5	alteration
Calcite	5	alteration (incl. v'lets)
Leucoxene/rutile (after opaques)	1	alteration

In thin section, this sample displays an hypidiomorphic granular texture that has been modified by alteration.

Plagioclase forms subhedral prismatic crystals ~0.4-1.0 mm in size. Most have suffered a significant degree of replacement by fine-grained aggregates of sericite.

K-feldspar forms anhedral interstitial patches, in places becoming poikilitic enclosing smaller plagioclase grains.

Quartz is sparsely distributed as angular, clear interstitial patches.

Biotite occurs as randomly oriented plates up to ~2 mm in size. Pleochroism is from dark reddish brown to straw yellow, but drab brown margins indicate incipient oxidation. Some plates have been partly replaced by green chlorite and associated granules of leucoxene.

Accessory igneous phases include euhedral apatite prisms, and euhedral zircon prisms that are commonly associated with biotite. Monazite occurs as small (<0.1 mm) subhedral squat prisms.

Actinolitic amphibole occurs as fine-grained, pale green replacement patches in precursor augite crystal sites.

Chlorite occurs not only as a partial replacement of biotite, but also as fine-grained replacement patches in former augite sites, in some plagioclase crystals, and in thin irregular veinlets and patches throughout the rock.

Calcite forms fine-grained replacement patches and fills thin veinlets. It has accepted a strong pink stain from alizarin red-S.

Fine-grained leucoxene/rutile occurs as granular replacements of primary opaque crystals (Ti-magnetite).

The sample represents a K-rich monzonitic magma that crystallised to form the assemblage plagioclase + K-feldspar + augite + biotite + accessory apatite + opaques (Ti-magnetite) + zircon + monazite. Subsequent low-grade alteration generated the assemblage actinolitic amphibole + chlorite + sericite + calcite + leucoxene.

SAMPLE: 1935 :TSC54016

Rock Name:

Altered acid lava (rhyodacite)

Hand Specimen:

The drill core rock sample contains large, subrounded K-feldspar phenocrysts up to cm size and smaller cream-coloured blocky plagioclase phenocrysts that are moderately flow-aligned in a fine-grained pink groundmass.

The section offcut accepted a strong yellow stain in the K-feldspar phenocrysts, but not in the groundmass.

Petrography:

Mineral	Vol.%	Origin
<u>Phenocrysts</u>		
Plagioclase (incl. sericite)	10	igneous
K-feldspar	15	igneous
Opakes (incl. leucoxene)	1	igneous
<u>Groundmass</u>		
Plagioclase	58	igneous
Quartz	10	igneous
Monazite	<1	igneous
Zircon	Tr	igneous
Sericite	5	alteration
Leucoxene	1	alteration
Goethite (after pyrite?)	Tr	alteration

In thin section, this sample displays a relict porphyritic texture despite extensive sericitic alteration.

Phenocryst sites are well-preserved. K-feldspar forms subrounded large phenocrysts up to cm size. They are quite fresh. Plagioclase phenocrysts occur as euhedral prismatic crystals and aggregates of crystals. Most have suffered almost complete replacement by clouds of very fine-grained sericite flecks. Opaque crystals of cubic morphology (Ti-magnetite?) are sparsely disseminated independently through the rock and also included within plagioclase phenocrysts. They have been extensively replaced by fine-grained, turbid leucoxene.

The groundmass is dominated by fine-grained, randomly oriented small plagioclase grains, and minor anhedral quartz grains. Sericite occurs as small flecks through the plagioclase, but also as fine-grained aligned aggregates that may have formed by replacement of a minor amount of groundmass biotite. Leucoxene granules are sparsely disseminated. Euhedral zircon and monazite prisms are present in accessory amount.

A single cubic grain, now replaced by fine-grained dark reddish brown goethite, appears to have formed by oxidation of a pyrite cube.

The sample represents an acid lava of rhyodacitic bulk composition. Pervasive alteration has generated a significant amount of sericite, especially by alteration of the plagioclase phenocrysts. A minor amount of sulphide may have formed during this event, but near-surface weathering has oxidised the only observed possible sulphide crystal.

SAMPLE: 1936 :TSC54017

Rock Name:

Altered acid lava (rhyodacite)

Hand Specimen:

The drill core rock sample is similar in appearance to sample 1935. Large translucent cream K-feldspar phenocrysts and smaller (mm-sized) greenish cream plagioclase phenocrysts lie in a fine-grained, pinkish brown groundmass.

The section offcut accepted a strong yellow stain from sodium cobaltinitrite in the sparsely distributed large K-feldspar phenocrysts.

Petrography:

Mineral	Vol.%	Origin
<u>Phenocrysts</u>		
Plagioclase (incl. sericite)	12	igneous (alteration)
K-feldspar	5	igneous
"Biotite" (sericite, leucoxene)	2	"igneous" (alteration)
"Opakes" (leucoxene)	1	"igneous" (alteration)
<u>Groundmass</u>		
Plagioclase	65	igneous
Quartz	5	igneous
Monazite	Tr	igneous
Apatite	Tr	igneous
Sericite	10	alteration
Leucoxene	Tr	alteration
Goethite (after pyrite?)	Tr	alteration

In thin section, this sample displays a porphyritic igneous texture that has been modified by alteration.

Phenocryst sites are well preserved. Plagioclase forms euhedral prismatic crystals ~2 mm in size, and glomeroporphyritic aggregates. All plagioclase crystals have been incipiently replaced by sericite flecks, leaving remnant twinned plagioclase. K-feldspar forms euhedral crystals up to cm size. They are generally fresh, but most display incipient replacement by fine-grained sericite. Biotite occurred as large plates up to ~3 mm in size: all crystals have been completely replaced by sericite and associated granules of leucoxene. Opakes form small (~0.209.4 mm) equant crystals of cubic morphology (Ti-magnetite), that have been partly to completely replaced by finely granular leucoxene.

The groundmass is composed mainly of randomly oriented, generally equant to anhedral grains of plagioclase. Fine sericitic flecking is common. Quartz occurs as small anhedral patches. Monazite and apatite occur as small euhedral prismatic crystals. One cubic crystal, probably pyrite, has been completely replaced by reddish brown alteration material (goethite).

The sample represents an acid magma that was porphyritic in plagioclase, K-feldspar, and minor biotite and opaques. It was extruded as a lava flow, as indicated by the non-fragmented phenocrysts and crystalline nature of the groundmass. Low-grade alteration has generated the assemblage sericite + leucoxene. Minor sulphide (pyrite?) may have formed during this event, but it has been oxidised in response to near-surface weathering processes.

SAMPLE: 1937 :TSC54018

Rock Name:

Sericitised rhyolitic lava with feldspar veins

Hand Specimen:

The drill core rock sample is composed of moderately abundant small (mm-sized) cream plagioclase phenocrysts, and lesser larger K-feldspar phenocrysts, in a very fine-grained greenish grey groundmass. Pinkish feldspar patches cut the flow foliation.

The section offcut accepted a strong yellow stain from sodium cobaltinitrite in the large K-feldspar phenocrysts.

Petrography:

Mineral	Vol.%	Origin
<u>Phenocrysts</u>		
Plagioclase	20	igneous
K-feldspar	5	igneous
Opaques (incl. leucoxene)	<1	igneous
"Sphene" (rutile)	<1	"igneous" (alteration)
<u>Groundmass</u>		
Monazite	Tr	igneous
Sericite	70	alteration
Goethite (after pyrite?)	Tr	alteration
Feldspar	5	irregular veins

In thin section, this sample displays a relict porphyritic texture despite extensive pervasive alteration.

Phenocryst sites are well preserved. Plagioclase phenocrysts are moderately abundant, occurring as subhedral prismatic crystals ~2 mm long aligned in a flow foliation. All have suffered incipient sericitisation, including internal flecking and corrosion of crystal margins. K-feldspar phenocrysts are sparsely distributed, larger subhedral prisms with only minor sericitic flecking. Small (~0.2 mm) equant opaque grains (possibly magnetite) are sparsely distributed, in places being incorporated within plagioclase phenocrysts. Lozenge-shaped sphene crystals up to ~1 mm long have been completely replaced by finely granular rutile.

The groundmass is composed of a very fine-grained, uniform mat of massive sericite. No primary structures have been preserved. Disseminated through the groundmass are small (<0.1 mm) euhedral squat prisms of zoned monazite. Rare cubic crystals (pyrite?) have been completely replaced by dark reddish brown goethite.

Cutting the rock are irregular veins filled by anhedral to subhedral intergrown crystals of plagioclase and K-feldspar. Both are quite fresh, and in places have vuggy residual open spaces suggesting they formed by open space-filling processes.

The sample represents an acid volcanic rock, probably a rhyolitic lava, that contained phenocrysts of plagioclase and K-feldspar, and minor sphene and opaques (magnetite), when extruded. Subsequently the rock body suffered pervasive low-grade alteration that resulted in complete replacement of the groundmass by sericite, replacement of sphene phenocrysts by rutile, and the development of feldspar patches and veins in solution cavities. A trace of sulphide (pyrite?) formed during the alteration event, but has been oxidised in response to near-surface weathering processes.

SAMPLE: 1938 :TSC54019

Rock Name:

Altered acid lava (biotite rhyodacite)

Hand Specimen:

The drill core rock sample contains randomly oriented creamish plagioclase phenocrysts of mm size, and larger but sparsely distributed K-feldspar phenocrysts, in a very fine-grained pink groundmass. Small dark altered ferromagnesian crystals are rare.

The section offcut accepted a strong yellow stain from sodium cobaltinitrite in the large K-feldspar phenocrysts.

Petrography:

Mineral	Vol.%	Origin
<u>Phenocrysts</u>		
Plagioclase	20	igneous
K-feldspar	5	igneous
"Biotite" (sericite, leucoxene)	1	"igneous" (alteration)
"Sphene" (rutile)	Tr	"igneous" (alteration)
Opakes (incl. leucoxene)	<1	igneous
Apatite	Tr	igneous
<u>Groundmass</u>		
Plagioclase	43	igneous
Quartz	10	igneous
Sericite	20	alteration
Monazite	Tr	igneous
Quartz	1	alteration patches

In thin section, this sample displays a well-preserved porphyritic igneous texture despite pervasive alteration of moderate degree.

Phenocrysts are well-preserved. Plagioclase formed relatively large prismatic crystals up to ~2 mm long, in places in glomeroporphyritic aggregates. All have been partly replaced by pervasive minute sericite flecks. Euhedral prismatic K-feldspar phenocrysts are minor in abundance, but are quite fresh with only incipient sericitic alteration flecks. Biotite phenocrysts occurred as sparsely disseminated plates that have been completely replaced by sericite/muscovite and associated minute granules of leucoxene. Sphene lozenges have been completely replaced by leucoxene granules, and incipient leucoxene alteration of equant opaque crystals (Ti-magnetite?) has occurred. Apatite forms small (0.2-0.4 mm) euhedral clear prismatic crystals.

The groundmass is composed of a fine-grained, crystalline aggregate of subhedral plagioclase laths, with interstitial clear quartz patches. Small sericite flecks are uniformly distributed in significant amount. Monazite forms small (~0.1 mm) euhedral zoned prisms.

Scattered through the groundmass are rare patches filled by mainly anhedral quartz, but with euhedral quartz crystals in central open space cavities.

The sample represents an acid lava of rhyodacitic bulk composition. When it was extruded it contained phenocrysts of plagioclase and K-feldspar, with minor magnetite, sphene, and apatite. Rapid cooling produced a groundmass dominated by plagioclase with minor quartz. Subsequent pervasive alteration has resulted in partial sericitisation of the groundmass and the plagioclase phenocrysts, complete rutile alteration of sphene, and complete sericitisation of biotite.

AREA	EL	SAMPLE NO.	DRILL HOLE NO.	DEPTH (m)	CO-ORDINATES		ROCK TYPE	TYPE	WEATHERED	ALTERED
					E	N				
15	4825	1866	90-1D	105.9	23800	5050	m gran	Pet	No	No
15	4825	1867	90-4	32	23000	5400	bi mgn	A	No	No
15	4825	1868	90-4	40	23000	5400	bi mgn	A	No	No
15	4825	1869	90-4	61	23000	5400	pyx	A	No	No
15	4825	1870	90-4	73	23000	5400	pyx	A Pb	No	No
29	4829	1871	HEP-1	36	524320	778900	lam	A	No	No
29	4829	1872	HEP-1	45	524320	778900	lam	A Pb	No	No
29	4829	1873	HEP-1	54	524320	778900	lam	A Pb	No	No
29	4829	1874	HEP-1	57	524320	778900	lam	A Pb	No	No
29	4829	1875	HEP-2	39	523000	779500	vol lam	A	No	No
29	4829	1876	HEP-2	45	523000	779500	vol lam	A Pb	No	No
29	4829	1877	HEP-2	54	523000	779500	vol lam	A Pb	No	No
29	4829	1878	HEP-2	57	523000	779500	vol lam	A Pb	No	No
15	4825	1879	90-20B	13	23795	5095	clay	A	No	No
15	4825	1880	90-20B	14	23795	5095	clay	A	No	No
15	4825	1881	90-20B	15	23795	5095	clay	A	Yes	No
29	4829	1882	HEP-1	62	524320	778900	lamp	WR	No	No
29	4829	1883	HEP-1	64.3	524320	778900	lamp	S	No	No
29	4829	1884	HEP-1	65.3	524320	778900	lamp	WR	No	No
29	4829	1885	HEP-1	65.6	524320	778900	lamp	WR	No	No
29	4829	1886	HEP-2	65.6	523000	779500	vol lamp	S	No	No
29	4829	1887	HEP-2	62.8	523000	779500	vol lamp	WR	No	No
29	4829	1888	HEP-2	65.8	523000	779500	vol lamp	S	No	No
29	4829	1889	HEP-2	71.5	523000	779500	vol lamp	S	No	No
29	4829	1890	O/C		523000	779500	u/maf	S	Yes	No
29	4829	1891	O/C		523000	779500	u/maf	S	Yes	No
29	4829	1892	HEP-1	62	524320	778900	lamp	Pb	No	No
29	4829	1893	HEP-1	69	524320	778900	lamp	Pb	No	No
29	4829	1894	HEP-2	66.7	523000	779500	vol lamp	Pb	No	No
29	4829	1895	O/C		523000	779500	vol lamp	Pb	Yes	No
29	4829	1896	O/C		523000	779500	vol lamp	Pb	Yes	No
15	4825	1897	90-7	90	19000	5700	chl	Pet	No	Yes
15	4825	1898	90-7	65	19000	5700	chl	Pet	No	Yes
15	4825	1899	90-7	110	19000	5700	qtz field gn	Pet	No	No
15	4825	1900	90-8	75	23000	5600	amp	Pet	No	Yes
15	4825	1901	90-9	80	24000	5100	amp	Pet	No	No
15	4825	1902	90-12	80	24000	5000	amp	Pet	No	No
15	4825	1903	90-10	55	24000	4900	trem mgn	Pet	No	No
15	4825	1904	90-11	45	22800	5400	amp	Pet	No	No
15	4825	1905	90-13	90	19000	5500	amp	Pet	No	No
15	4825	1906	90-14	55	19000	5600	trem mgn	Pet	No	No
15	4825	1907	90-36	45	23200	5300	amp	Pet	No	No
15	4825	1908	90-36	83	23200	5300	amp	Pet	No	Yes
15	4825	1909	90-36	85	23200	5300	amp	Pet	No	No
15	4825	1910	90-16	95	23400	5300	amp	Pet	No	No
15	4825	1911	90-35	70	23600	5100	amp	Pet	No	No
15	4825	1912	90-20	50	23800	5100	amp	Pet	No	Yes
15	4825	1913	90-1	60	24000	5100	qtz mgn	Pet	No	No
15	4825	1914	90-2	55	24000	5000	ch mgn	Pet	No	Yes
15	4825	1915	90-22	55	24200	5000	calc sil	Pet	No	No
15	4825	1916	90-22	60	24200	5000	qtz mgn	Pet	No	No
15	4825	1917	90-22	75	24200	5000	amp	Pet	No	No
15	4825	1918	90-23	70	24400	5000	trem	Pet	No	No
15	4825	1919	90-24	60	24400	4900	bi mgn	Pet	No	No
15	4825	1920	90-26	75	24600	4800	calc sil	Pet	No	No

AREA	EL	SAMPLE NO.	DRILL HOLE NO.	DEPTH (m)	CO-ORDINATES		ROCK TYPE	TYPE	WEATHERED	ALTERED
					E	N				
15	4825	1921	90-26	95	24600	4800	calc sil	Pet	No	No
15	4825	1922	90-25	90	24600	4900	calc sil	Pet	No	No
15	4825	1923	90-34	100	24800	4600	mgn	Pet	No	No
15	4825	1924	90-28	70	24800	4700	amp	Pet	No	No
15	4825	1925	90-31	40	25200	4900	chl mgn	Pet	No	Yes
15	4825	1926	90-32	50	25400	4800	mgn	Pet	No	No
15	4825	1927	90-32	85	25400	4800	amp	Pet	No	No
10	4825	1928	90-42	70	01940	6870	amp	Pet	No	No
10	4825	1929	90-42	95	01940	6870	ark	Pet	No	Yes
15	4825	1930	90-36	83	23200	5300	amp	Pet	No	Yes
29	4829	1931	O/C		523000	779500	lamp	Pet	No	No
29	4829	1932	HEP-1	64.3	524320	778900	lamp	Pet	No	No
29	4829	1933	HEP-1	69.6	524320	778900	lamp	Pet	No	No
29	4829	1934	HEP-1	71.0	524320	778900	lamp	Pet	No	No
29	4829	1935	HEP-2	62.2	523000	779500	lamp	Pet	No	No
29	4829	1936	HEP-2	63.9	523000	779500	lamp	Pet	No	No
29	4829	1937	HEP-2	65.6	523000	779500	xeno	Pet	No	No
29	4829	1938	HEP-2	66.7	523000	779500	lamp	Pet	No	No

Job Number: 0PE5565
 O/N : 4476

ANALYTICAL REPORT

SAMPLE	Cu	Pb	Zn	Cr	Ni	Ca	Mg
1870	160	28	88	150	94	5.60%	3.15%
1871	44	88	80	105	70	3.05%	2.10%
1872	62	250	68	88	48	1.23%	2.25%
1873	70	58	90	94	72	3.10%	2.95%
1874	40	94	90	125	78	2.90%	2.30%
1875	12	62	64	24	30	760	3800
1876	8	82	54	20	14	1060	2550
1877	12	125	48	20	16	1220	3450
1878	26	100	50	18	<4	1300	3250
1879	72	16	50	58	78	1400	3.50%
1880	690	16	72	135	105	2.10%	2.85%
1881	98	18	90	165	155	2000	2.65%
1818	22	18	74	240	100	7.20%	3.60%
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	AAS3	AAS3	AAS3	AAS3	AAS3	AAS3	AAS3
UPPER SCHEME						AAS4	AAS4



CLASSIC LABORATORIES LTD

CLASSIC LABORATORIES LTD
Perth W.A.

Job Number: 0PE5565
O/N : 4476

ANALYTICAL REPORT

SAMPLE	Fe	U	Th	Zr
1870	7.80%	<4	4	64
1871	4.25%	12	94	550
1872	3.75%	12	90	550
1873	5.00%	22	68	380
1874	4.50%	16	90	560
1875	2.25%	16	125	560
1876	1.98%	14	120	520
1877	1.93%	14	110	530
1878	2.15%	12	120	510
1879	5.80%	22	<4	46
1880	6.40%	10	<4	60
1881	7.20%	6	<4	78
1818	5.85%	4	<4	44
UNITS	ppm	ppm	ppm	ppm
SCHEME	AAS3	XRF1	XRF1	XRF1
UPPER SCHEME	AAS4			



CLASSIC LABORATORIES LTD

CLASSIC LABORATORIES LTD
Perth W.A.

Job Number: OPE5565
O/N : 4476

ANALYTICAL REPORT

SAMPLE	SiO2	TiO2	Al2O3	Fe2O3	MnO	MGO	CAO
1849	52.8	0.59	13.8	11.1	0.18	8.35	9.05
1852	71.9	<0.01	16.4	1.81	1.11	0.13	0.73
1854	68.0	<0.01	16.1	2.34	0.21	4.18	0.27
1855	47.3	0.83	14.1	10.5	0.13	11.2	4.64
1858	67.7	0.47	13.6	7.00	0.09	2.34	1.42
1861	50.5	0.38	9.85	10.4	0.18	15.9	7.10
1882	56.9	1.12	14.6	7.30	0.12	4.28	4.66
1884	62.9	0.62	15.7	3.80	0.06	1.37	2.02
1885	57.1	1.13	14.5	7.20	0.12	4.28	4.66
1887	66.9	0.53	16.0	3.12	0.02	0.64	0.36
1888	66.4	0.49	15.8	3.36	0.07	0.64	0.32
UNITS	%	%	%	%	%	%	%
SCHEME	ICP5	ICP5	ICP5	ICP5	ICP5	ICP5	ICP5
UPPER SCHEME						ICP5	ICP5

Job Number: 0PE5565
 O/N : 4476

ANALYTICAL REPORT

SAMPLE	Na2O	K2O	P2O5	LOI
1849	1.87	1.00	0.05	1.81
1852	8.15	0.14	0.01	0.60
1854	0.10	2.48	0.01	6.60
1855	1.50	0.54	0.05	8.70
1858	3.70	1.14	0.07	2.22
1861	0.98	0.49	0.16	4.40
1882	3.76	5.10	0.64	1.38
1884	4.46	5.60	0.17	2.40
1885	3.62	5.15	0.67	1.11
1887	3.84	5.40	0.18	2.12
1888	3.50	5.90	0.17	2.24
UNITS	%	%	%	%
SCHEME	ICP5	ICP5	ICP5	ICP5
UPPER SCHEME	ICP5	ICP5	ICP5	ICP5



SHEEN ANALYTICAL SERVICES LTD.

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SAMPLE	Li	Na	K	Mn	Ni	Cu	Zn	Ag	Mg	Al
NUMBER	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

1527	63	2700	1600	1500	990	5	71	< 1	12%	3.4%
1702	110	470	1.5%	380	120	11	35	< 1	4.8%	6.1%
1703	81	960	2.2%	450	120	23	37	< 1	4.8%	8.7%
1705	100	460	2.1%	340	60	11	35	< 1	6.1%	8.0%
1709	42	1.5%	5200	1400	80	59	57	< 1	4.3%	7.4%
1713	38	1.6%	8500	1400	50	85	67	< 1	4.1%	7.9%
1718	64	1.2%	1.3%	1300	60	120	71	< 1	4.7%	7.1%
1741	120	940	1.6%	1000	110	25	36	< 1	3.5%	5.4%
1752	210	1100	4400	680	230	26	44	< 1	5.8%	4.0%
1772	64	1.5%	7800	1900	< 10	30	110	< 1	3.0%	7.2%
1773	61	7000	9400	1000	30	26	51	< 1	2.3%	5.9%
1779	150	4700	4300	1600	300	8	86	< 1	9.7%	4.9%
1780	68	1.5%	7900	1400	70	78	88	< 1	4.0%	7.3%
1783	160	1900	2.5%	380	70	26	52	< 1	3.5%	8.0%
1784	70	1.9%	7300	960	60	59	56	< 1	2.9%	7.0%
1862	200	7600	6300	1700	300	7	120	< 1	9.3%	5.8%
1883	58	2.6%	3.2%	870	100	30	78	< 1	3.3%	7.8%
1886	100	1.6%	3.6%	230	20	6	77	< 1	1.2%	12%
1888	190	1.8%	8100	1600	240	4	75	< 1	7.4%	7.0%
1889	49	1.6%	3.4%	130	< 10	8	42	< 1	5400	6.6%
1889	DUP	55	1.6%	3.4%	130	< 10	9	40	< 1	5400
1890		28	1000	1.7%	150	20	22	45	< 1	6900
1891		29	200	4.4%	110	20	37	76	< 1	3600



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SAMPLE	P	S	Ca	Ti	V	Cr	Fe	As	Be	Sc	
NUMBER	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	

1527	220	70	2.5%	2800	94	2500	7.7%	< 2	4.8	6	
1702	290	30	1600	4000	290	240	12%	10	3.6	8	
1703	330	110	1900	4600	270	300	8.2%	2	5.6	12	
1705	540	130	1900	5700	250	220	7.4%	8	5.2	14	
1709	290	240	7.7%	4600	210	220	6.9%	6	1.0	14	
1713	250	380	7.0%	4300	210	140	6.6%	10	0.5	12	
1718	460	1300	4.2%	4800	210	140	6.7%	6	1.5	12	
1741	4400	80	1.1%	1.0%	210	250	6.0%	34	5.8	10	
1752	3000	260	1.9%	5100	120	410	14%	22	2.8	8	
1772	650	570	4.8%	8600	230	100	8.1%	6	1.3	12	
1773	850	310	2.2%	4000	130	130	6.9%	10	3.2	6	
1779	170	60	5.0%	2000	130	1100	7.2%	< 2	3.4	8	
1780	250	550	6.3%	2400	170	190	6.3%	6	12	18	
1783	540	200	5000	3700	150	180	7.3%	10	8.4	10	
1784	230	350	3.6%	3200	130	140	5.4%	4	5.8	10	
1862	380	120	4.5%	2600	140	720	7.2%	< 2	4.8	12	
1883	2500	230	3.5%	5800	110	180	4.8%	14	14	6	
1886	1000	60	3800	3700	74	50	4.0%	26	26	6	
1888	580	20	4.9%	2100	150	680	6.3%	< 2	19	14	
1889	690	30	1900	1600	44	50	2.1%	10	12	2	
1889	DUP	710	30	2000	1600	42	60	2.0%	6	14	2
1890	490	50	2500	4600	82	70	4.2%	78	11	6	
1891	170	130	1200	5000	32	190	3.6%	10	6.4	6	



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SAMPLE NUMBER	Co ppm	Ga ppm	Ge ppm	Se ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm

1527	100	14	< 2	< 10	26	64	8.4	54	3.0	0.2
1702	50	14	< 2	< 10	79	23	6.1	30	1.5	0.8
1703	40	15	< 2	10	140	42	8.5	69	2.5	1.2
1705	40	15	< 2	< 10	120	23	12	78	6.5	1.6
1709	40	15	< 2	< 10	27	190	20	55	3.5	0.2
1713	40	15	< 2	< 10	42	130	18	30	2.0	0.2
1718	40	16	< 2	< 10	62	180	15	46	4.5	0.6
1741	30	20	< 2	< 10	94	180	63	1200	36	2.4
1752	30	18	< 2	< 10	39	42	21	1500	17	2.6
1772	30	17	2	< 10	37	370	23	140	11	2.4
1773	20	14	< 2	< 10	74	110	20	180	6.5	3.0
1779	60	9.4	< 2	< 10	35	22	8.0	33	2.0	1.2
1780	40	10	< 2	< 10	110	120	18	24	2.0	4.8
1783	40	20	< 2	< 10	160	32	15	180	5.5	1.4
1784	30	12	< 2	< 10	67	110	16	51	2.5	0.6
1862	60	15	< 2	< 10	51	150	9.9	88	6.0	6.2
1883	30	14	< 2	< 10	220	1400	27	620	22	2.2
1886	10	26	< 2	< 10	390	280	32	1000	34	1.4
1888	60	11	2	20	110	140	13	48	4.0	<0.2
1889	< 10	9.8	< 2	< 10	400	270	20	670	14	12
1889	DUP	< 10	7.8	2	10	400	300	20	740	14
1890		< 10	12	< 2	< 10	350	420	19	580	21
1891		< 10	9.0	< 2	10	210	42	34	880	26



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SAMPLE NUMBER	Cd ppm	In ppm	Sn ppm	Sb ppm	Te ppm	Ba ppm	La ppm	Hf ppm	Ta ppm	W ppm

1527	< 1	0.02	< 2	<0.2	<0.2	41	5.5	1.4	<0.1	1.0
1702	< 1	0.04	< 2	1.8	<0.2	34	8.0	1.2	<0.1	3.0
1703	< 1	0.04	< 2	1.0	<0.2	84	6.3	2.0	<0.1	2.5
1705	< 1	0.04	< 2	0.2	0.2	95	20	2.4	0.2	1.5
1709	< 1	0.10	< 2	<0.2	<0.2	79	3.4	1.4	<0.1	3.0
1713	< 1	0.10	< 2	<0.2	<0.2	68	5.9	1.2	<0.1	1.0
1718	< 1	0.08	< 2	<0.2	<0.2	250	8.8	1.6	0.2	0.5
1741	< 1	0.16	< 2	1.0	<0.2	460	490	22	0.9	2.5
1752	< 1	0.06	< 2	0.8	0.2	180	460	28	0.2	0.5
1772	< 1	0.12	< 2	<0.2	0.2	160	20	2.8	0.3	2.0
1773	< 1	0.04	2	<0.2	<0.2	370	26	3.6	0.1	1.5
1779	< 1	0.04	< 2	<0.2	<0.2	51	2.5	1.6	0.4	0.5
1780	< 1	0.06	< 2	<0.2	<0.2	110	4.0	0.8	0.3	3.0
1783	< 1	0.08	2	<0.2	0.2	170	26	5.6	0.5	3.5
1784	< 1	0.04	< 2	<0.2	0.2	180	8.8	2.6	0.4	3.5
1862	< 1	0.02	< 2	<0.2	<0.2	230	20	2.8	1.0	2.0
1883	< 1	0.08	< 2	0.2	0.2	2000	180	15	0.9	4.5
1886	< 1	0.10	6	0.4	0.4	1300	190	28	1.9	6.5
1888	< 1	0.10	< 2	<0.2	0.4	160	3.0	1.6	0.6	0.5
1889	< 1	0.06	4	0.6	0.2	520	80	18	0.7	3.5
1889	DUP	< 1	0.10	6	0.6	0.4	490	88	0.5	3.5
1890		< 1	0.08	< 2	0.8	<0.2	920	290	0.7	4.5
1891		< 1	0.14	4	0.4	0.6	270	140	1.1	6.5



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SAMPLE NUMBER	Tl ppm	Pb ppm	Bi ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm

1527	1.2	< 10	<0.2	15	1.3	5.1	1.3	0.22	1.0	0.18
1702	1.5	< 10	2.0	19	2.0	7.8	1.7	0.52	1.0	0.16
1703	1.1	< 10	0.8	20	2.3	8.8	1.5	0.46	1.4	0.20
1705	1.3	< 10	0.4	58	6.6	25	5.2	1.0	3.0	0.30
1709	0.85	< 10	<0.2	13	2.3	9.0	2.6	0.78	2.6	0.44
1713	0.85	< 10	<0.2	17	2.1	8.3	2.3	0.64	2.2	0.36
1718	0.65	< 10	0.2	26	3.0	11	1.3	0.60	2.0	0.34
1741	0.90	10	0.8	1000	100	270	35	6.1	19	1.7
1752	0.55	< 10	1.0	1100	87	220	24	3.3	11	0.80
1772	0.75	20	0.6	42	6.0	21	4.4	1.2	4.2	0.56
1773	0.95	< 10	0.6	59	6.8	22	1.4	0.70	3.2	0.46
1779	1.3	< 10	0.6	9.8	1.0	3.9	0.80	0.28	0.8	0.14
1780	1.2	< 10	0.6	13	1.5	5.7	0.80	0.34	1.2	0.24
1783	2.4	< 10	0.8	57	7.0	24	4.0	0.90	3.4	0.38
1784	2.2	< 10	2.0	21	2.6	10	1.1	0.48	2.0	0.32
1862	2.2	10	1.0	45	4.6	15	1.1	0.40	1.6	0.22
1883	2.5	60	0.8	410	44	130	4.2	2.4	10	0.88
1886	4.3	< 10	0.8	440	51	140	8.3	2.3	9.4	0.84
1888	1.7	< 10	1.2	11	1.5	5.8	0.25	0.30	1.2	0.26
1889	2.6	< 10	2.2	220	25	72	7.7	1.8	6.0	0.62
1889	DUP	< 10	2.4	200	26	75	7.3	1.9	6.0	0.64
1890	1.6	50	0.8	320	51	130	7.9	2.2	9.0	0.74
1891	1.3	20	1.2	280	40	110	14	2.5	8.4	0.94

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ANALYTICAL DATA

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TUBE No.	SAMPLE No.	Pb6:4	Pb7:4	Pb8:4	Pb4:6	Pb7:6	Pb8:6	Pb4:7	Pb6:7	Pb8:7
1	1702	34.13	17.55	41.64	0.0293	0.5142	1.2200	0.0570	1.945	2.373
2	1703	31.55	16.12	37.35	0.0317	0.5109	1.1840	0.0620	1.957	2.317
3	1705	25.91	15.16	37.05	0.0386	0.5853	1.4300	0.0659	1.709	2.443
4	1711	20.14	15.43	38.24	0.0497	0.7663	1.8990	0.0648	1.305	2.478
5	1714	19.93	15.48	42.85	0.0502	0.7764	2.1500	0.0646	1.288	2.769
6	1718	18.87	15.64	37.75	0.0530	0.8288	2.0010	0.0639	1.207	2.414
7	1723	18.01	15.73	37.36	0.0555	0.8731	2.0740	0.0636	1.145	2.375
8	1727	25.54	16.02	42.65	0.0392	0.6272	1.6700	0.0624	1.594	2.663
9	1730	17.66	14.68	35.29	0.0566	0.8311	1.9980	0.0681	1.203	2.404
10	1741	33.22	16.82	71.13	0.0301	0.5063	2.1410	0.0595	1.975	4.229
11	1745	24.04	16.45	40.99	0.0416	0.6845	1.7050	0.0608	1.461	2.491
12	1748	19.24	15.67	39.48	0.0520	0.8145	2.0520	0.0638	1.228	2.519
13	1752	40.44	16.49	81.04	0.0247	0.4079	2.0040	0.0606	2.452	4.913
14	1753	29.38	15.71	54.20	0.0340	0.5348	1.8450	0.0636	1.870	3.450
15	1768	17.06	15.64	36.82	0.0586	0.9169	2.1590	0.0639	1.091	2.355
16	1775	17.48	14.69	36.99	0.0572	0.8404	2.1160	0.0681	1.190	2.518
17	1776	16.31	14.94	35.27	0.0613	0.9160	2.1630	0.0670	1.092	2.361
18	1779	15.67	13.69	32.35	0.0638	0.8734	2.0640	0.0730	1.145	2.363
19	1781	26.50	15.88	47.36	0.0377	0.5992	1.7870	0.0630	1.669	2.982
20	1799	16.33	14.52	34.45	0.0613	0.8893	2.1100	0.0689	1.124	2.373
21	1807	33.56	17.54	70.77	0.0298	0.5226	2.1090	0.0570	1.914	4.036
22	1809	22.00	15.93	40.33	0.0455	0.7242	1.8330	0.0628	1.381	2.531
23	1815	30.21	17.01	39.64	0.0331	0.5630	1.3120	0.0588	1.776	2.330
24	1821	20.66	15.46	41.90	0.0484	0.7481	2.0280	0.0647	1.337	2.711
25	1834	19.70	15.98	1.00	0.0508	0.8108	0.0508	0.0626	1.233	0.063

Results in ppm unless otherwise specified

T = element present, but concentration too low to measure

X = element concentration is below detection limit

-- = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX		REPORT NUMBER				REPORT DATE		CLIENT ORDER No.		PAGE	
		1925.0.01.77647				13/11/90		4478		2 OF 4	
TUBE No.	SAMPLE No.	Pb6:4	Pb7:4	Pb8:4	Pb4:6	Pb7:6	Pb8:6	Pb4:7	Pb6:7	Pb8:7	
1	1839	24.56	16.96	41.27	0.0407	0.6905	1.6800	0.0590	1.448	2.433	
2	1844	41.65	18.52	42.65	0.0240	0.4446	1.0240	0.0540	2.249	2.303	
3	1846	18.86	16.32	39.48	0.0530	0.8651	2.0930	0.0613	1.156	2.419	
4	1870	21.19	16.21	39.68	0.0472	0.7650	1.8730	0.0617	1.307	2.448	
5	1872	20.46	16.27	41.85	0.0489	0.7952	2.0450	0.0615	1.258	2.572	
6	1873	20.65	16.02	42.17	0.0484	0.7758	2.0420	0.0624	1.289	2.632	
7	1874	20.35	16.13	43.19	0.0492	0.7930	2.1230	0.0620	1.261	2.677	
8	1876	21.22	16.13	43.76	0.0471	0.7599	2.0620	0.0620	1.316	2.714	
9	1877	20.41	16.11	42.62	0.0490	0.7890	2.0880	0.0621	1.267	2.646	
10	1878	21.26	16.12	43.91	0.0470	0.7582	2.0650	0.0620	1.319	2.724	
11	1892	21.20	16.20	43.45	0.0472	0.7641	2.0490	0.0617	1.309	2.682	
12	1893	20.51	16.17	42.71	0.0488	0.7884	2.0820	0.0618	1.268	2.641	
13	1894	22.91	16.06	45.91	0.0437	0.7011	2.0040	0.0623	1.426	2.858	
14	1895	26.87	15.79	49.83	0.0372	0.5875	1.8540	0.0633	1.702	3.156	
15	1896	23.39	15.75	46.55	0.0428	0.6733	1.9900	0.0635	1.485	2.956	
16											
17											
18											
19											
20											
21											
22											
23	DETECTION	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.000	0.000	
24	UNITS	-	-	-	-	-	-	-	-	-	
25	METHOD	223	223	223	223	223	223	223	223	223	

Results in ppm unless otherwise specified
 T = element present; but concentration too low to measure
 X = element concentration is below detection limit
 — = element not determined

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ANALYTICAL DATA

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TUBE No.	SAMPLE No.	Pb4:8	Pb6:8	Pb7:8						
1	1702	0.0240	0.8197	0.4215						
2	1703	0.0268	0.8446	0.4315						
3	1705	0.0270	0.6993	0.4093						
4	1711	0.0262	0.5266	0.4035						
5	1714	0.0233	0.4651	0.3611						
6	1718	0.0265	0.4998	0.4142						
7	1723	0.0268	0.4822	0.4210						
8	1727	0.0234	0.5988	0.3756						
9	1730	0.0283	0.5005	0.4160						
10	1741	0.0141	0.4671	0.2365						
11	1745	0.0244	0.5865	0.4015						
12	1748	0.0253	0.4873	0.3969						
13	1752	0.0123	0.4990	0.2035						
14	1753	0.0184	0.5420	0.2899						
15	1768	0.0272	0.4632	0.4247						
16	1775	0.0270	0.4726	0.3972						
17	1776	0.0284	0.4623	0.4235						
18	1779	0.0309	0.4845	0.4232						
19	1781	0.0211	0.5596	0.3353						
20	1799	0.0290	0.4739	0.4215						
21	1807	0.0141	0.4742	0.2478						
22	1809	0.0248	0.5456	0.3951						
23	1815	0.0252	0.7622	0.4291						
24	1821	0.0239	0.4931	0.3689						
25	1834	1.0000	19.704	15.976						

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

— = element not determined

AUTHORISED
OFFICER

D. Hall

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

1925.0.01.77647

13/11/90

4478

4 OF 4

TUBE No.	SAMPLE No.	Pb4:8	Pb6:8	Pb7:8						
1	1839	0.0242	0.5952	0.4110						
2	1844	0.0234	0.9766	0.4342						
3	1846	0.0253	0.4778	0.4133						
4	1870	0.0252	0.5339	0.4084						
5	1872	0.0239	0.4890	0.3889						
6	1873	0.0237	0.4897	0.3799						
7	1874	0.0232	0.4710	0.3735						
8	1876	0.0229	0.4850	0.3685						
9	1877	0.0235	0.4789	0.3779						
10	1878	0.0228	0.4843	0.3672						
11	1892	0.0230	0.4880	0.3729						
12	1893	0.0234	0.4803	0.3787						
13	1894	0.0218	0.4990	0.3499						
14	1895	0.0201	0.5394	0.3169						
15	1896	0.0215	0.5025	0.3383						
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	0.0000	0.0000	0.0000						
24	UNITS	-	-	-						
25	METHOD	223	223	223						

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

— = element not determined

AUTHORISED
OFFICER

D. Hall

Job Number: 0PE5565
 O/N : 4476

ANALYTICAL REPORT

SAMPLE	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MnO	MGO	CAO
1849	52.8	0.59	13.8	11.1	0.18	8.35	9.05
1852	71.9	<0.01	16.4	1.81	1.11	0.13	0.73
1854	68.0	<0.01	16.1	2.34	0.21	4.18	0.27
1855	47.3	0.83	14.1	10.5	0.13	11.2	4.64
1858	67.7	0.47	13.6	7.00	0.09	2.34	1.42
1861	50.5	0.38	9.85	10.4	0.18	15.9	7.10
1882	56.9	1.12	14.6	7.30	0.12	4.28	4.66
1884	62.9	0.62	15.7	3.80	0.06	1.37	2.02
1885	57.1	1.13	14.5	7.20	0.12	4.28	4.66
1887	66.9	0.53	16.0	3.12	0.02	0.64	0.36
1888	66.4	0.49	15.8	3.36	0.07	0.64	0.32
UNITS	%	%	%	%	%	%	%
SCHEME	ICP5	ICP5	ICP5	ICP5	ICP5	ICP5	ICP5
UPPER SCHEME						ICP5	ICP5



CLASSIC LABORATORIES LTD

CLASSIC LABORATORIES LTD
Perth W.A.

Job Number: 0PE5565
O/N : 4476

ANALYTICAL REPORT

SAMPLE	Na2O	K2O	P2O5	LOI
1849	1.87	1.00	0.05	1.81
1852	8.15	0.14	0.01	0.60
1854	0.10	2.48	0.01	6.60
1855	1.50	0.54	0.05	8.70
1858	3.70	1.14	0.07	2.22
1861	0.98	0.49	0.16	4.40
1882	3.76	5.10	0.64	1.38
1884	4.46	5.60	0.17	2.40
1885	3.62	5.15	0.67	1.11
1887	3.84	5.40	0.18	2.12
1888	3.50	5.90	0.17	2.24
UNITS	%	%	%	%
SCHEME	ICP5	ICP5	ICP5	ICP5
UPPER SCHEME		ICP5	ICP5	