

Abstract

During the third year of exploration in the Mt Frankland EL 18/92 CRAE carried out a series of geological, geophysical and geochemical traverses over the Nelson Prospect, an area identified as conceptually prospective for sediment hosted Cu deposits. This work included:

- detailed geological mapping and outcrop sampling along eight E-W grid lines at 400 to 800m spacing (total 11.85 line km)
- acquisition of 11.6 line km of ground magnetic data over the established grid lines
- acquisition and geochemical analysis of 57 hand auger soil samples and 215 wacker bedrock samples collected at 25m spacing along the eight grid lines
- acquisition, processing and interpretation of three lines of 50m spaced dipole-dipole IP data, totalling 5.6 line kilometres

Interpretation of the 1995 Nelson Prospect IP survey has identified a 100 - 150m wide x >400m strike (open north and south) anomaly at the contact of the Proterozoic Lagoon River Quartzite and overlying carbonaceous Interview Siltstone. The anomaly appears to satisfy the conceptual sediment hosted Cu model for the area as:

- it occurs at the contact of originally permeable quartz sandstones and impermeable siltstones and shales
- it is related to an interpreted early structural feature
- the absence of a coincident soil geochemistry anomaly can be explained by the severe leaching known elsewhere in the Balfour area

Soil/wacker bedrock geochemical traverses over the Nelson Prospect did not return any anomalous Cu values. However the geochemical traverses highlighted a Zn-Pb anomaly with up to 0.18% Zn and 0.18% Pb on lines 5430400mN and 5430800mN. The Zn anomaly is a least 150m wide x 400m strike length (open to the south) and occurs in laminated white to grey siltstones near the base of the Interview Siltstone.

The IP anomaly will be examined in the field and may provide a drill target for 1996. The significance of the Zn-Pb geochemical anomaly will be assessed in conjunction with similar stratabound Zn anomalies in EL 4/94 Balfour, and may also be drill tested.

CRAE's principal commodity of interest in the Balfour area is Cu. The Proterozoic Rocky Cape Group is considered prospective for stratiform replacement Cu deposits analogous to the Kupferschiefer and White Pine because:

- numerous small vein-hosted Cu workings along a 30 km trend centred on Balfour indicate that Cu bearing fluids have accessed the area
- a basal quartzite unit and several major interpreted faults are considered possible fluid conduits
- potential "chemical traps" occur within a pyrrhotitic siltstone horizon overlying the basal quartzite, and at the redox contact of carbonaceous and Fe-oxide bearing chloritic siltstones

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Plans

Plan No.	Title	Scale
Tv 451 ✓	Application For Exploration Licence Mt Frankland	1: 250,000
Tv 673 ✓	Mt Frankland EL 18/92, Balfour EL 4/94 : Geological Plan	1: 25,000
Tv 957 ✓	Nelson Prospect Geology	1: 10,000
Tv 899 ✓	Nelson Prospect Aeromagnetic Contours	1: 10,000
Tv 949 ✓	Nelson Prospect Ground Magnetic Stacked Profiles	1: 10,000
Tv 958 ✓	Nelson Prospect. Soil and bedrock Geochemistry : Cu	1: 10,000
Tv 959 ✓	Nelson Prospect. Soil and bedrock Geochemistry : Pb	1: 10,000
Tv 960 ✓	Nelson Prospect. Soil and bedrock Geochemistry : Zn	1: 10,000
Tv 961 ✓	Nelson Prospect. Soil and bedrock Geochemistry : Fe	1: 10,000
Tv 962 ✓	Nelson Prospect. Soil and bedrock Geochemistry : As	1: 10,000
Tv 963 ✓	Nelson Prospect. Soil and bedrock Geochemistry : Mn	1: 10,000
Tv 1003 ✓	Nelson Prospect : IP Pseudosection, Line 5431600N	1: 5000
Tv 1004 ✓	Nelson Prospect : IP Pseudosection, Line 5432000N	1: 5000
Tv 1005 ✓	Nelson Prospect : IP Pseudosection, Line 5433600N	1: 5000

List of Appendices

Appendix 1	Nelson Prospect: Rock Sample Geochemistry
Appendix 2	Nelson Prospect: Soil/Wacker Bedrock Geochemistry
Appendix 3	Nelson Prospect IP Survey: Acquisition, Processing and Interpretation Report by J Tesselaar

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Table 1	DPO Register
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1. Conclusion and Recommendation

- Interpretation of the 1995 Nelson Prospect IP survey has identified a 100 - 150m wide x >400m strike (open north and south) anomaly at the contact of the Proterozoic Lagoon River Quartzite and overlying carbonaceous Interview Siltstone. The anomaly appears to satisfy the conceptual sediment hosted Cu model in the area as:
 - the absence of a coincident soil geochemistry anomaly can be explained by the severe leaching known elsewhere in the Balfour area
 - significant "vein quartz", possibly fault-related, is noted at the quartzite-siltstone contact
 - the line of mapped vein quartz appears to be an early feature offset by the Roger River Fault

The anomaly will be examined in the field and may provide a drill target for 1996.

- Soil/wacker bedrock geochemical traverses over the Nelson Prospect did not return any anomalous Cu values. However the geochemical traverses highlighted a Zn-Pb anomaly with up to 0.18% Zn and 0.18% Pb on lines 5430400mN and 5430800mN. The Zn anomaly is a least 150m wide x 400m strike length (open to the south) and occurs in laminated white to grey siltstones near the base of the Interview Siltstone. The significance of the anomaly will be assessed in conjunction with similar stratabound Zn anomalies in EL 4/94 Balfour during permit year four.

2. Introduction

Mount Frankland EL 18/92 was granted to CRA Exploration Pty. Limited (CRAE) on 6th November 1992. The EL covers 177 km² centred on a small settlement known as Balfour, in north-western Tasmania (Plan Tv 451).

CRAE's principal commodity of interest in the area is Cu. Studies of the Cu potential of Australian Proterozoic sequences by CRAE highlighted the Rocky Cape Group and the Smithton Trough of north-western Tasmania. The Proterozoic Rocky Cape Group was considered prospective for stratiform replacement Cu deposits analogous to the Kupferschiefer and White Pine because:

- numerous small vein-hosted Cu workings along a 30 km NNW trend centred on Balfour indicate that Cu bearing fluids have accessed the area
- a basal quartzite unit and several major interpreted faults were considered possible fluid conduits
- potential "chemical traps" occur within a pyrrhotitic siltstone horizon overlying the basal quartzite, and at the contact of carbonaceous and Fe-oxide bearing chloritic siltstones

This report details all exploration activities conducted within EL 18/92 Mt Frankland by CRAE during the third permit year ending 5th October 1995.

3. Review of Previous Work

3.1 Prior to Current Tenement

Note: This summary of previous exploration activities within the Balfour area is not all inclusive and only lists the more significant efforts omitting those that have contributed no new information of note.

BHP SPL 392 and 410 (1964-1970?)

BHP drill tested the Specimen Hill Sn-W prospect (1km south-west of Balfour) with seven vertical diamond holes. No results are available for the three angle holes planned to test Cu mineralisation at Murrays Reward Prospect (immediately west of Balfour).

Pickands Mather & Co International EL12/65 (1965-1971)

Pickands Mather & Co geochemically sampled an extensive area of the Rocky Cape Group and drilled a number of strong magnetic anomalies, mainly discordant magnetite lodes, in the sequence west of Balfour. The magnetite lodes were thin (10 to 15m) with no significant base metals, although minor thin, low grade Pb, Ag, Zn and Cu mineralisation was encountered in places.

Australian Consolidated Industries Ltd (ACI) EL 16/68 (1968-1974)

ACI tested Cu prospects centred on old Cu workings along a 17km strike length of the Balfour Cu Trend. In total 37 diamond drill holes were drilled at eight prospects. However a majority of the holes were drilled to test the Cu mineralised quartz lode Murrays Reward. A resource of 0.5mt @ 0.8% Cu was defined.

Esso Australia Ltd EL 2/73 (1973-1974)

Esso flew a Catalina borne INPUT EM survey on 800m spaced lines over most of the Rocky Cape Group south of the Arthur River. A cursory helicopter based follow up of a wide selection of anomalies explained virtually all as being due to pyritic and/or graphitic shales. No drilling was undertaken.

CRA Exploration Pty Limited EL's 1/77, 1/79, 12/80, 36/80, 4/83 and 61/83 (1977-1983)

CRAE (later joined in joint venture by Geopeko Limited), carried out regional panned concentrate sampling for Sn over much of the Rocky Cape Group. Follow up work involved:

- Eight diamond holes at Specimen Hill and one at Mt Hazelton (10 km SSE of Balfour) to test magnetic targets with accompanying geochemical responses
- Two diamond holes to test strong magnetic anomalies within quartzites and mudstones near the coast west of Balfour (the Little Eel and Possum Creek prospects) with the best intersection being 3m @ 2% Pb and 13 g/t Ag
- Surface testing of other magnetic anomalies within the Rocky Cape Group, particularly those to the east of the Interview Granite, with no positive results.

In the early 1980's attention was focussed on the base metal potential of the region, particularly Pb/Zn within the Cowrie Siltstone unit east of Balfour. One diamond hole was drilled to test a coincident magnetic and EM response with weak base metal soil geochemistry at the Red Prospect near the Arthur River, 25 km NNW of Balfour.

3.2 During Current Tenement

The following work was carried out during the first two permit years:

- Review of key open-file competitor and CRAE reports pertinent to the Rocky Cape Group in the Balfour Region
- Digital capture and assessment of all available CRAE and competitor rock, soil and stream sediment geochemistry data. Cu values were generally not anomalous, reflecting the high degree of leaching in the Rocky Cape region.
- Detailed geological mapping to provide a stratigraphic and structural framework (see Plan Tv 673)
- Acquisition and analysis of 135 float and outcrop samples from various localities. Samples were assayed at Analabs, Burnie for Ag, As, Cu, Pb, Zn, Fe and Mn by AAS and Au by fire assay. The only significantly elevated results were returned from dump samples at old workings and other locations along the Balfour Cu Trend. Best values include 2.3% Cu in a massive chloritic rock and 0.8% As and 1.03 ppm Au in a quartz-pyrite rock from the Balfour South Workings. Results show a consistent Cu-As-Au association for mineralisation in the discordant Cu lodes along the Balfour Cu Trend.
- Acquisition of seven E-W lines of ground magnetic data between 5420000mN and 5427000mN to define the position of the Balfour Pyrrhotitic Siltstone. One line of data was collected to confirm the presence of a magnetic break near 5426000N.
- Acquisition, processing and interpretation of 2705 line km of detailed airborne magnetic and radiometric data (generally 100m line spacing, 60m mean terrain clearance). The magnetic data was used to identify fault-related, magnetically quiet zones along the Balfour Pyrrhotitic Siltstone horizon, and to provide other geological information. Although deep leaching was known to occur within the survey area, the radiometric data also provided useful geological information.
- Soil geochemical traverses over the Balfour Pyrrhotitic Siltstone (103 hand-augered C-horizon soil samples at 25m or 50m intervals). Samples were assayed by AAS (aqua regia-perchloric acid digest) at Analabs Burnie for Ag, As, Cu, Pb, Zn, Fe and Mn. Cu values did not exceed 34 ppm, and were frequently less than 10 ppm.
- Acquisition of four 200m spaced soil geochemical traverses over "The Gap Prospect", a fault associated, magnetically quiet zone along the Balfour Pyrrhotitic Siltstone magnetic trend (177 hand-augered C-horizon soil samples at 25m intervals along four 200m-spaced lines. Samples were assayed at Analabs Burnie by AAS for Ag, As, Bi, Co, Cu, Mo, Ni, Pb, V, Zn, Fe and Mn. A very weak Cu was identified.

4. Exploration Completed in the 12 Month Period Ending 5th October, 1995

4.1 Nelson Prospect:

The Nelson Prospect covers an area of approximately 16 sq km (10 sq km of which lie within the EL 18/92 Mt Frankland) with potential for sediment hosted Cu deposits in a range of lithological and structural settings ie:

- The "Balfour pyrrhotitic siltstone" where it is displaced by the Roger River Fault and a splay fault
- The lithological contact of the Balfour pyrrhotitic siltstone with the more porous sands of the underlying Lagoon River Quartzite
- The lithological contact of banded, variably carbonaceous siltstones with Fe-oxide bearing chloritic siltstones

A comprehensive programme of gridding, geological mapping, ground magnetometry, soil/bedrock geochemical sampling and IP was carried out over the Nelson Prospect. Exploration pertinent to EL18/92 Mt Frankland is detailed below:

4.1.1 Gridding, Mapping and Sampling

Eight E-W grid lines at 400 to 800m spacing totalling 11.85 line km were established (see Plan Tv 957). Detailed geological mapping and outcrop sampling was carried out along the grid lines. 11 samples were collected and analysed by Analabs for Au by fire assay-AAS, As by hydride generation-AAS and Ag, Co, Ni, Pb, Zn, Fe, Mn by AAS. No significant results were returned.

Geochemical analyses are included as Appendix 1.

4.1.2 Ground Magnetics

A total of 11.6 line km of ground magnetic data were collected along the established grid lines. Stacked profiles of the ground magnetic data show a general coincidence of high magnetic response with siltstones and shales and low magnetic response with quartzite (see plans Tv 899 and Tv 949).

4.1.3 Soil and Wacker Bedrock Geochemical Sampling

A total 57 hand auger soil samples and 215 wacker bedrock samples were collected at 25m spacing along eight lines over the Nelson Prospect (EL 18/92 Mt Frankland). Originally all samples were planned to be obtained by hand auger. However thick surface gravels over some areas of the grid severely hindered sample acquisition and progress. Hence the hand auger programme was abandoned and geochemical sampling of the grid was completed using a wacker.

All samples were forwarded to Analabs and analysed for Ag, Co, Cu, Ni, Pb, Zn, Fe, Mn by aqua regia/perchloric acid digest-AAS finish, As by hydride generation/AAS and Au by fire assay/carbon rod.

Soil and bedrock geochemistry maps for Cu, Pb, Zn, Fe, As and Mn are included as plans Tv 958 to 963. Geochemical analyses are included as Appendix 2.

4.1.4 IP

Three lines of 50m spaced dipole-dipole IP data (5431600N, 5432000N, 5433600N) were acquired over the Nelson Prospect (see Plan Tv 957). A total of 5.6 line kilometres of the 10 line kilometre survey were acquired within the EL 18/92 Mt Frankland.

Originally a survey consisting of three fairly regularly spaced lines was planned to cover the Nelson Prospect. An unfortunate mixup resulted in the acquisition of IP data along the line 5432000N rather than line 5432800N. The data acquired along line 5432000N will be useful however data along line 5432800N would certainly have been preferable.

Colour pseudo-sections are included as plans Tv1003 to Tv1005. A brief acquisition, processing and interpretation report is included as Appendix 3.

5. Discussion of Results

Soil/wacker bedrock geochemical traverses over the Nelson Prospect did not return any anomalous Cu values. However this does not imply the conceptual stratabound Cu mineralisation model is invalid for the Nelson Prospect. Leaching in the Rocky Cape region appears to be lithology selective as fresh sulphides can be found in carbonaceous siltstone outcrops whilst quartz lode material outcropping along the Balfour Cu Trend is completely leached. Hence poor Cu values in C horizon-bedrock samples might occur over a leached and weathered, stratabound Cu deposit. The only means of detecting a stratabound Cu deposit beneath a leached and weathered cap is by geophysical methods.

Interpretation of the 1995 Nelson Prospect IP survey has identified a 100 - 150m wide x >400m strike (open north and south) anomaly at the contact of the Proterozoic Lagoon River Quartzite and overlying carbonaceous Interview Siltstone. The anomaly is geologically related to sandstones and vein quartz with some carbonaceous shale. The vein quartz may indicate a faulted quartzite-siltstone contact and is interpreted to be an early feature. Hence the anomaly appears to satisfy the conceptual sediment hosted Cu model.

Although Cu values were low over the Nelson Prospect, the geochemical traverses highlighted a Zn-Pb anomaly with up to 0.18% Zn and 0.18% Pb on lines 5430400mN and 5430800mN. The Zn anomaly is a least 150m wide x 400m strike length (open to the south) and occurs in laminated white to grey siltstones near the base of the Interview Siltstone.

The IP anomaly will be examined in the field and may provide a drill target for 1996. The Zn-Pb anomaly on lines 5430400mN and 5430800mN will be assessed in conjunction with similar stratabound Zn anomalies in EL 4/94 Balfour and may also be drill tested.

6. Rehabilitation

Exploration having an environmental impact included minimal cutting of some grid lines, hand-augered soil sampling, wacker bedrock sampling, digging of IP pits and the use of a wacker buggy and Bombardier along grid lines.

The following procedures were implemented to reduce environmental impact:

- When digging IP electrode pits the peat layer was removed and stockpiled separately from the underlying soil or gravel layers.
- Use of the Bombardier was restricted to the transport of IP equipment to prevent repeated use on the same track. Thick/high vegetation was avoided. A quartzite ridge was used to cross between grid lines in the western grid area to minimise damage to the more fragile heathland.
- The wacker buggy traversed grid lines twice maximum, and hand carried wacker equipment was used where the gravels were thin and easily penetrated.

The spread of *Phytophthora cinnamoni* from the roadside verges of the recently constructed

Heemskirk Link Road was a major concern. The following procedures were implemented to prevent the infection spreading along grid lines:

- The Bombardier was transported over the infected roadside verge on a trailer where possible, and unloaded onto uninfected ground. Elsewhere planks and tarpaulins were used to prevent track contact with infected plant and soil matter.
- The Bombardier tracks were thoroughly cleaned with ABF 42, a recommended fungicide, during transport to different sections of the grid to prevent cross infection.
- All digging equipment was thoroughly cleaned after digging IP pits in infected areas.

During the IP survey the Bombardier was turned on its side whilst negotiating a difficult creek crossing. The accident resulted in a small fuel and oil spillage into the creek. An excavator was employed to retrieve the Bombardier and the appropriate precautions were implemented to prevent the spread of *Phytophthora* and other exotics.

Rehabilitation necessary is minimal:

- Grid lines will naturally regenerate over time
- Soil auger and wacker bedrock sampling leaves virtually no impact requiring no rehabilitation
- The IP pits were refilled in correct order (gravel/soil first followed by the peat) and foil removed on completion of the survey permitting rapid regeneration.

7. Expenditure

Expenditure prior to current term:	\$100,050
Expenditure during current term:	\$ 99,663
Total Expenditure	\$199,713

8. References

- | | | |
|---------------------|-------|--|
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9. Location

Burnie	1:250000	SK55-3
Sandy Cape	1:100000	7815
Bluff Point	1:50000	7815N
Balfour	1:50000	7815S
Sumac	1:25000	3244
Dempster	1:25000	3243
Balfour	1:25000	3242
Lily	1:25000	3241
Sundown	1:25000	3044
Temma	1:25000	3043

10. Keywords

Tasmania, Proterozoic, Soil Sampling, Rockchip Sampling, Ground Magnetic Survey, IP Survey, Copper.

11. DPO Register

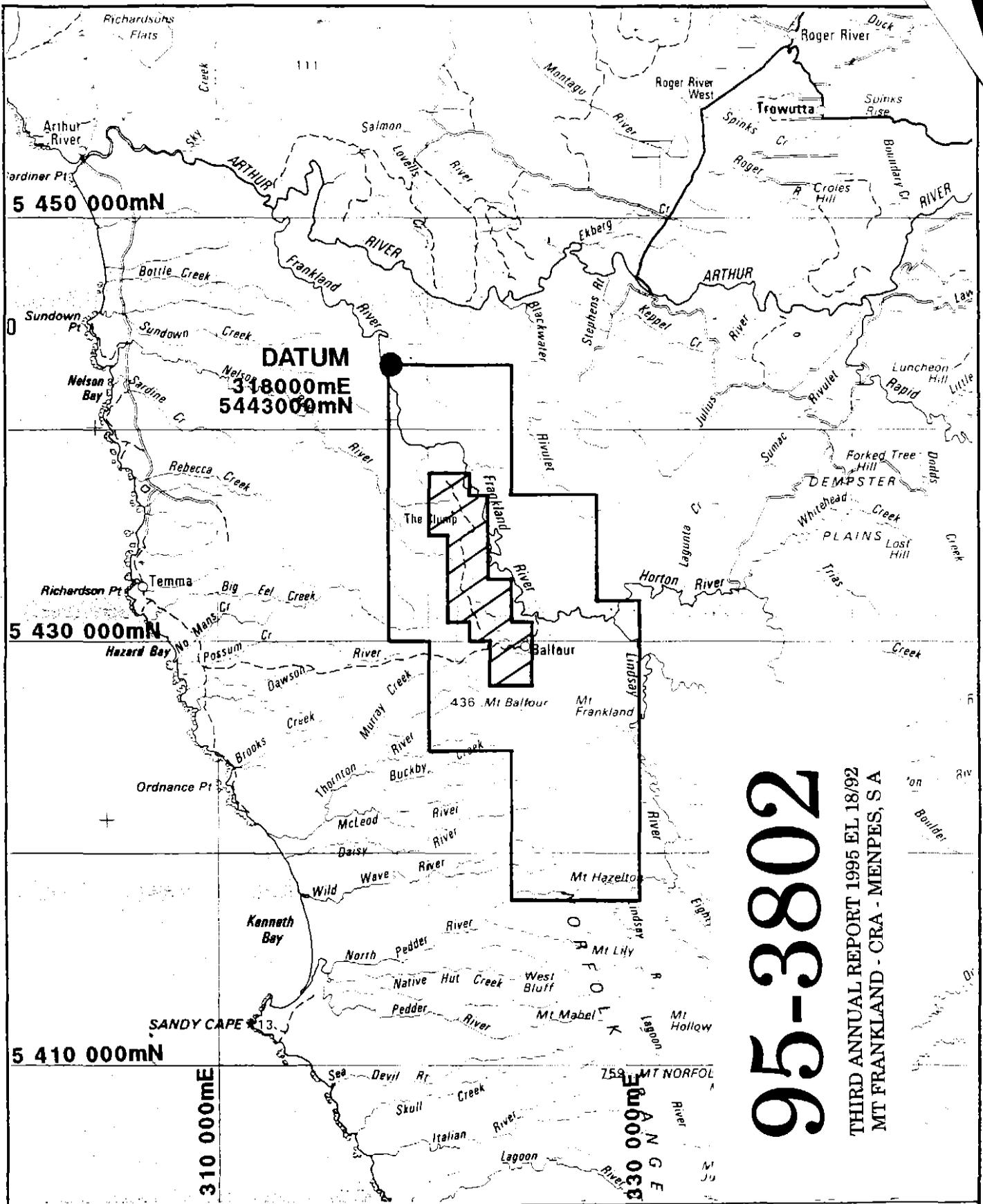
Table 1
CRA Exploration

DPO Register

DPO Number	Lab Batch Number	Lab	Lab Location	DPO Date	Office	Geologist	Tenement Name	Tenement Number	Sample Type	Number of Samples	250 000 Mapsheet	100 000 Mapsheet
81227	104165.60.10693	Analabs	Cooee, TAS	31/1/95	Preston	M Donnelly	Mt Frankland Balfour	EL 18/92 EL 4/94	Soil Rock	172 17	Burnie SK55-3	Sandy Cape 7815
81229	104165.60.10791	Analabs	Cooee, TAS	20/2/95	Preston	M Donnelly	Mt Frankland Balfour	EL 18/92 EL 4/94	Rock	37	Burnie SK55-3	Sandy Cape 7815
81230	104165.60.10769	Analabs	Cooee, TAS	8/3/95	Preston	M Donnelly	Mt Frankland Balfour	EL 18/92 EL 4/94	Wacker Bedrock	114	Burnie SK55-3	Sandy Cape 7815
77184	104165.60.10795	Analabs	Cooee, TAS	23/3/95	Preston	S Menpes	Mt Frankland Balfour	EL 18/92 EL 4/94	Wacker Bedrock	241	Burnie SK55-3	Sandy Cape 7815

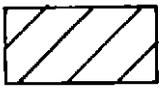
742012

742013



95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

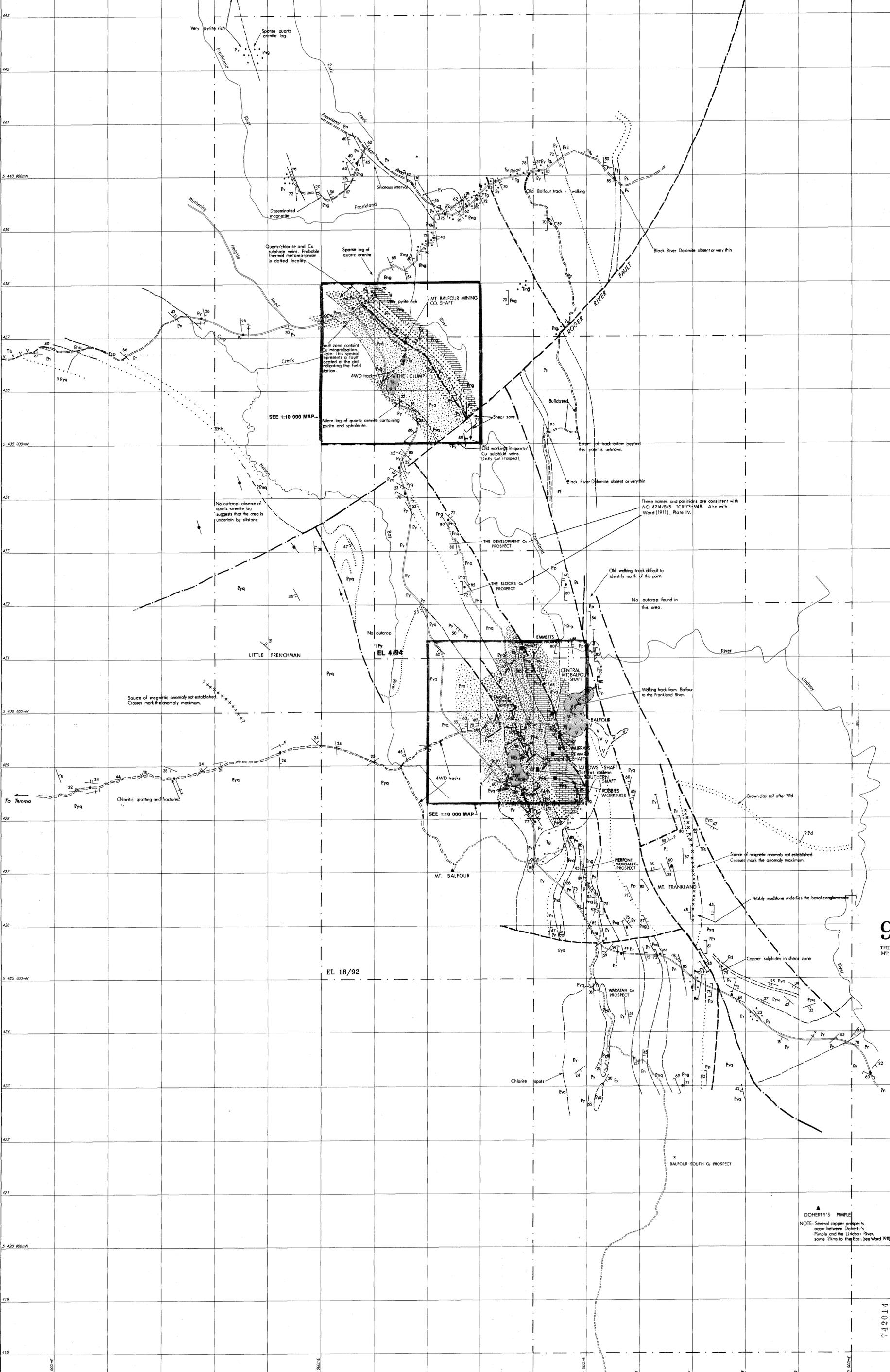


**EXCLUDED AREA
EXISTING EL 53/88**

CRA EXPLORATION PTY. LIMITED

**Application for
Exploration Licence
MT. FRANKLAND 177 km²**

Ref.: SK55-03	Scale: 1:250 000
Author: T.W. DICKSON	Report No.: 21361
Drawn: R. TRAVIERSON	Plan No.: Tv 451



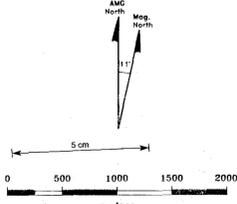
GEOLOGICAL LEGEND

- QUATERNARY**
 - TERTIARY**
 - PROTEROZOIC**
 - LAVAS**
 - INTRUSIVE**
- Windblown sand
 - Basalt and derived soil
 - Spongelite lag at 316100E 546700N
 - Quartzose gravel, sand and minor lignite
 - Unconformity
 - Basalt, volcanics and red-brown mudstone (Smithton Volcanics correlate)
 - Conglomerate and chert breccia (Forest Conglomerate correlate) with quartz arenite, pebbly quartz arenite and minor conglomerate on Mt Frankland (Archie Forest Conglomerate correlate)
 - Unconformity
 - Dark grey siltstone with green and maroon, fine grained quartzose sandstone (probable Cowie Siltstone correlate)
 - Dark grey, cream, green and maroon, slaty to phyllic siltstone and mudstone
 - Thin bedded green to olive siltstone with dark grey siltstone and minor mudstone - bedding is usually plane though thin, is circular, graded beds of fine grained sandstone are locally present (Pn) with common interbeds of medium green siltstone (Pnq), with siltstone (Pn), magnetite at 22000E 542500N. Basal dark grey siltstone with common thin horizontal, graded beds of fine grained sandstone (Pn) with grey metamorphic spots, E23; with common to abundant interbeds of medium grained quartz arenite (Pya)
 - Dolerite
 - Geological boundary - position approximate
 - Geological boundary - inferred
 - Fault - position approximate
 - Fault - inferred
 - Strike and dip of bedding - right way up, facing unknown
 - Strike and dip of cleavage (S) vertical
 - Strike and dip of observed fault, vertical
 - Field station for adjacent readings
 - Trend of quartz vein
 - Tourmalinised breccia on Specimen Hill

95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S.A

NOTE:
Geology by N.J. Turner Geological Services



CRA EXPLORATION PTY. LIMITED
BALFOUR EL 4/94 & MT. FRANKLAND EL 18/92
GEOLOGICAL PLAN

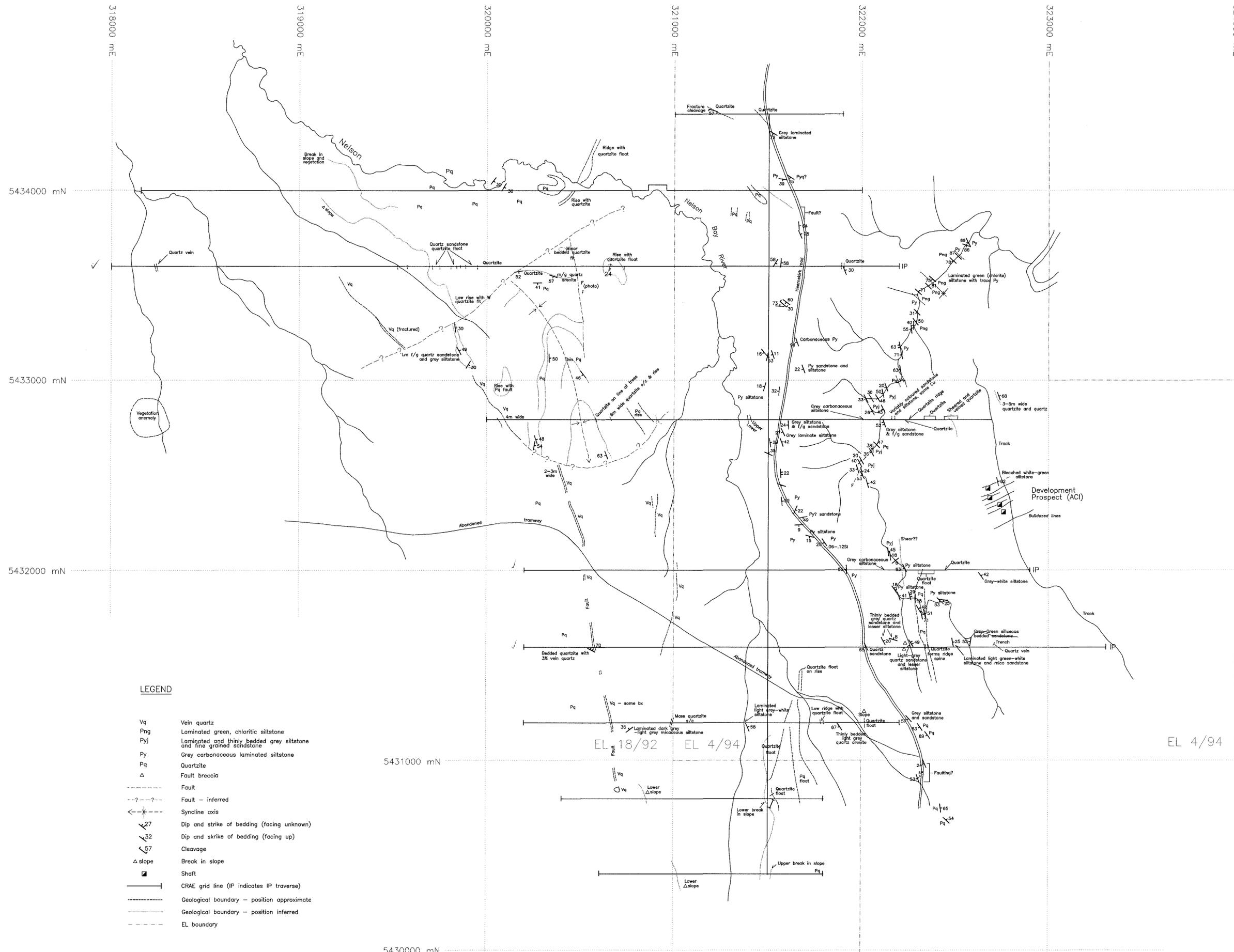
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Scale: 1 : 25,000 Date: October 1993
Author: Rob Parkinson Report No.: 21961
Drawn: A. Terevskii, Jan Plan No.: T-673

DOHERTY'S PIMPLE
NOTE: Several copper prospects occur between Doherty's Pimple and the Lindra River, some 2kms to the East. (see Ward, 1971)

742014

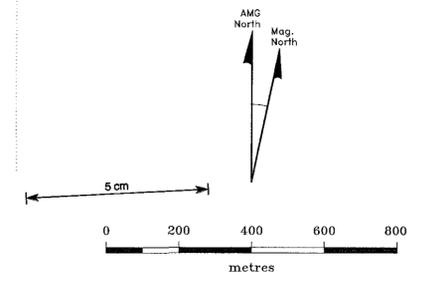
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THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A



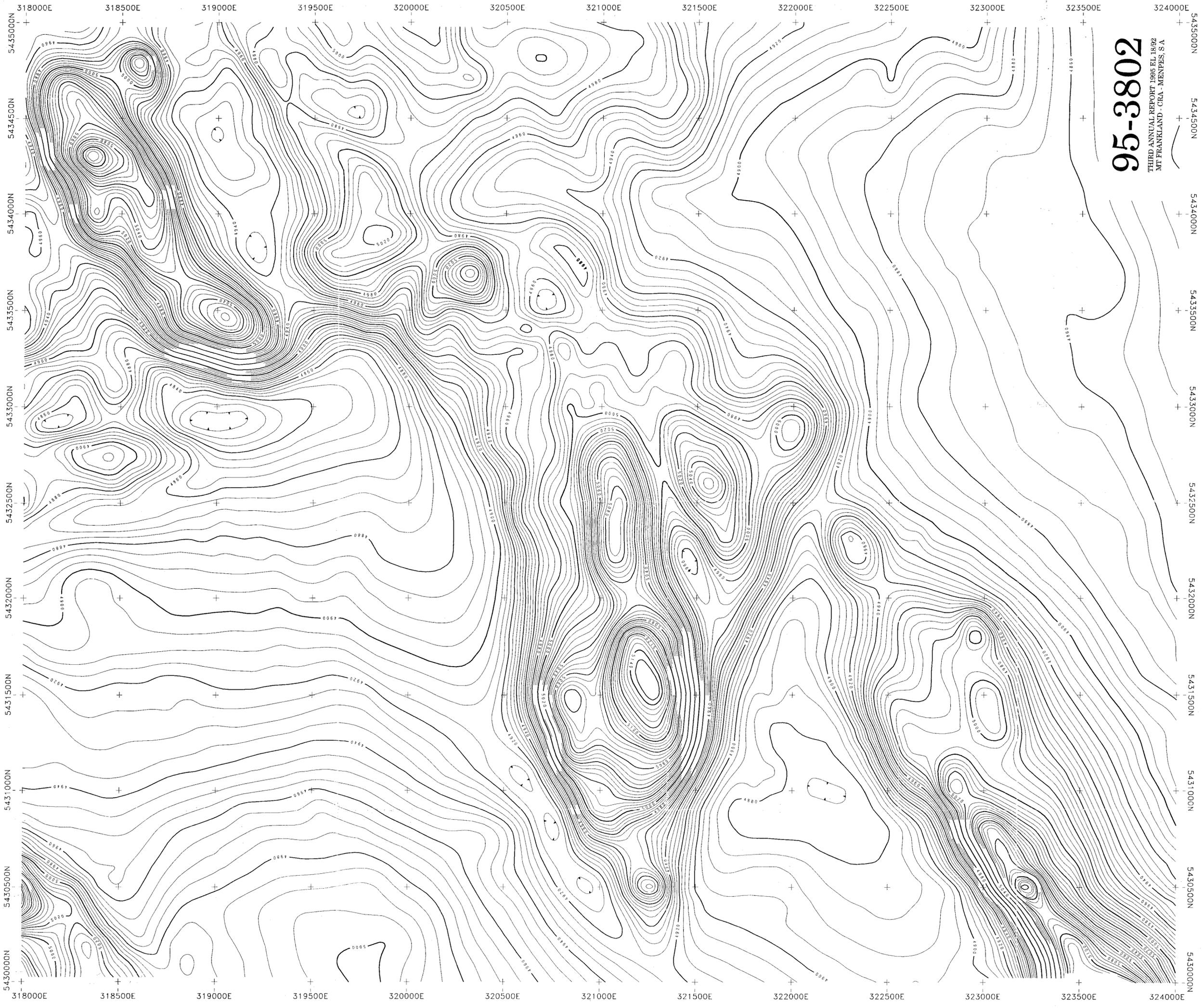
LEGEND

- Vq Vein quartz
- Png Laminated green, chloritic siltstone
- Pyj Laminated and thinly bedded grey siltstone and fine grained sandstone
- Py Grey carbonaceous laminated siltstone
- Pq Quartzite
- △ Fault breccia
- - - - - Fault
- - - - - Fault - inferred
- ← - - - - Syncline axis
- ↘ 27 Dip and strike of bedding (facing unknown)
- ↘ 32 Dip and strike of bedding (facing up)
- ↘ 57 Cleavage
- △ slope Break in slope
- Shaft
- CRAE grid line (IP indicates IP traverse)
- - - - - Geological boundary - position approximate
- Geological boundary - position inferred
- - - - - EL boundary



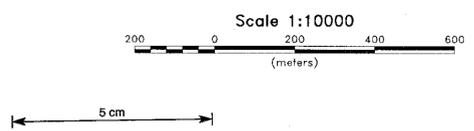
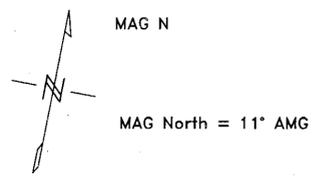
742015
CRA EXPLORATION PTY. LIMITED
BALFOUR EL 4/94
MT. FRANKLAND EL 18/92
Nelson Prospect
Geological Fact Map

Ref.: SK 55-03	File: Tv957
Scale: 1:10,000	Date: May 1995
Author: M. Donnelly	Report No.: 21361
Drawn: T. Sargeant	Plan No.: Tv957



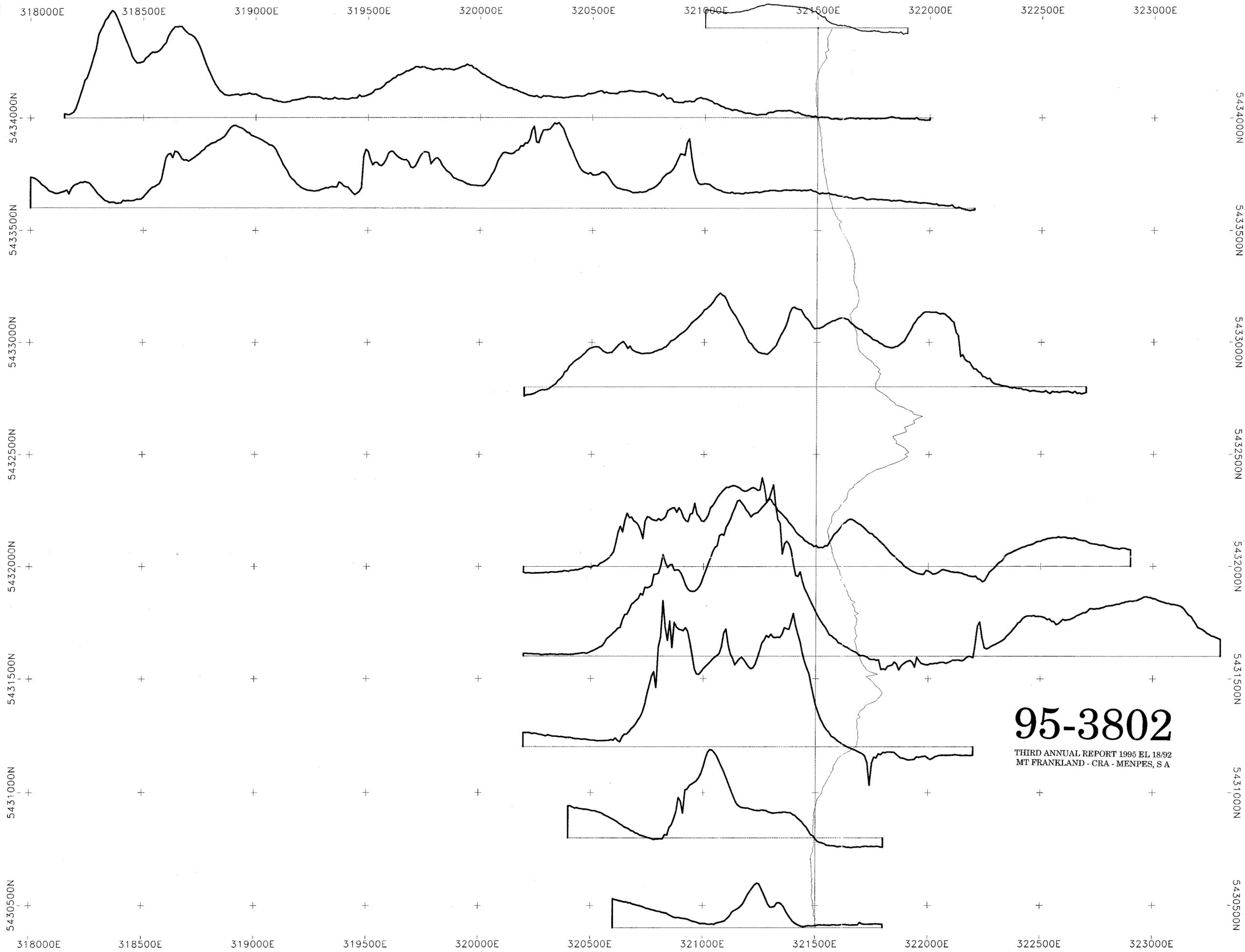
95-3802
 THIRD ANNUAL REPORT 1995 EL 18/92
 MT FRANKLAND - CRA - MENPES, S.A

910217



NOTE: Taken from the 1993 Mt. Frankland airborne geophysical survey.

CRA EXPLORATION PTY. LIMITED			
MT. FRANKLAND EL18/92 & EL4/94			
NELSON PROSPECT			
AEROMAGNETIC CONTOURS			
BURNIE SK55-03			
GEO:	TA	SCALE: 1:10000	REPORT: 21361
DRAWN:	TA	DATE: 10/2/95	PLAN: Tv 899



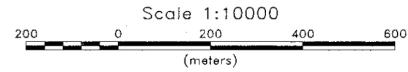
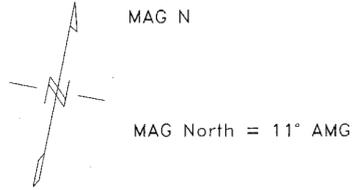
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THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

742017

Vertical scale: 50 nT/cm
Base level: 62000 nT

5 cm



CRA EXPLORATION PTY. LIMITED		
MT FRANKLAND EL 18/92 & BALFOUR EL4/94		
NELSON PROSPECT		
GROUND MAGNETIC STACKED PROFILES		
BURNIE SK55-03		
GEO:	TA	SCALE: 1:10000
REPORT:	21361	
DRAWN:	TA	DATE: MAY '95
PLAN:	TV 949	

318000

319000

320000

321000

322000

323000

5434000

5434000

5433000

5433000

5432000

5432000

5431000

5431000

5430000

5430000

CRA EXPLORATION PTY. LIMITED
Nelson Prospect
Cu

All Samples
Scale = 1:10000
100m



95-3802

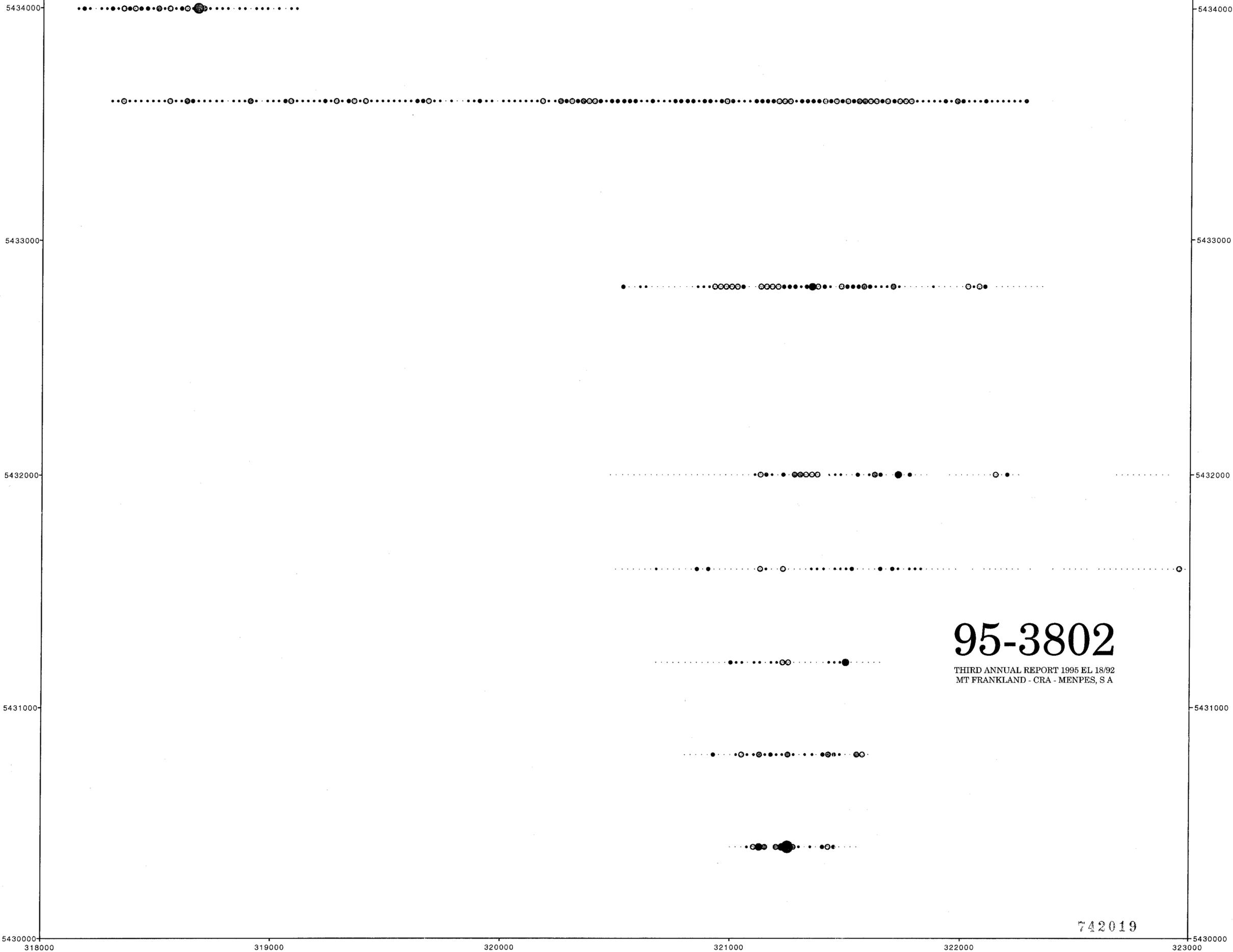
THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

742018

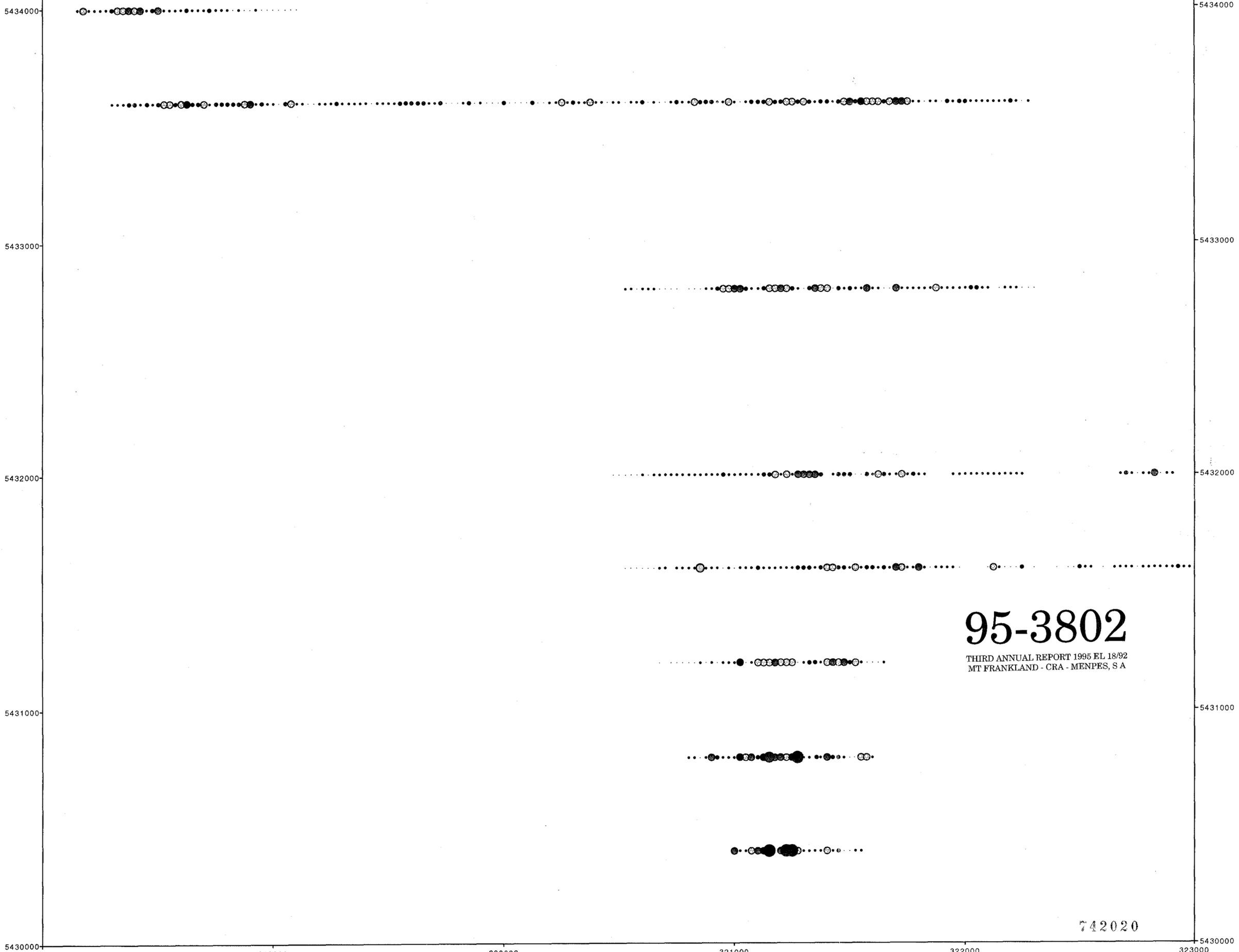
5 cm

CRA EXPLORATION PTY. LIMITED	
MT FRANKLAND EL 18/92 & BALFOUR EL 4/94	
NELSON PROSPECT	
SOIL AND BEDROCK GEOCHEMISTRY	
Cu	
Ref.: SK55-3	Scale: 1 : 10 000
Author: S.A.MENPES	Report No.: 21361
Drawn: MAY 1995	Plan No.: Tv 958

318000 319000 320000 321000 322000 323000



318000 319000 320000 321000 322000 323000



95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

742020

5 cm

- -10
- 10-25
- 25-50
- ⊙ 50-100
- 100-250
- 250-500
- ⊙ 500-750
- 750-1000
- +1000

CRA EXPLORATION PTY. LIMITED
 Nelson Prospect
 Zn(ppm)
 All Samples
 Scale = 1:10000
 100m

CRA EXPLORATION PTY. LIMITED	
MT FRANKLAND EL 18/92 & BALFOUR EL 4/94	
NELSON PROSPECT	
SOIL AND BEDROCK GEOCHEMISTRY	
Zn	
Ref.: SK55-3	Scale: 1 : 10 000
Author: S.A.MENPES	Report No.: 21361
Drawn: MAY 1995	Plan No.: Tv 960

318000

319000

320000

321000

322000

323000

5434000

5434000

5433000

5433000

5432000

5432000

5431000

5431000

5430000

5430000

318000

319000

320000

321000

322000

323000

95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

742021

5 cm

CRA EXPLORATION PTY. LIMITED

Nelson Prospect

Fe(%)

All Samples

Scale = 1:10000

100m



CRA EXPLORATION PTY. LIMITED	
MT FRANKLAND EL 18/92 & BALFOUR EL 4/94	
NELSON PROSPECT	
SOIL AND BEDROCK GEOCHEMISTRY	
Fe	
Ref.: SK55-3	Scale: 1 : 10 000
Author: S.A.MENPES	Report No.: 21361
Drawn: MAY 1995	Plan No.: Tv 961

318000

319000

320000

321000

322000

323000

5434000

5434000

5433000

5433000

5432000

5432000

5431000

5431000

5430000

5430000

318000

319000

320000

321000

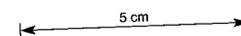
322000

323000

95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

742022



CRA EXPLORATION PTY. LIMITED

Nelson Prospect

As(ppm)

All Samples

Scale = 1:10000



CRA EXPLORATION PTY. LIMITED
**MT FRANKLAND EL 18/92 &
 BALFOUR EL 4/94**
 NELSON PROSPECT
 SOIL AND BEDROCK GEOCHEMISTRY
 As

Ref.: SK55-3	Scale: 1 : 10 000
Author: S.A.MENPES	Report No.: 21361
Drawn: MAY 1995	Plan No.: Tv 962

318000 319000 320000 321000 322000 323000

5434000 5434000

5433000 5433000

5432000 5432000

5431000 5431000

5430000 5430000

318000 319000 320000 321000 322000 323000

95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

742023

5 cm

CRA EXPLORATION PTY. LIMITED

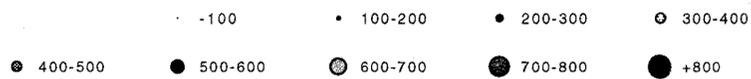
Nelson Prospect

Mn(ppm)

All Samples

Scale = 1:10000

100m



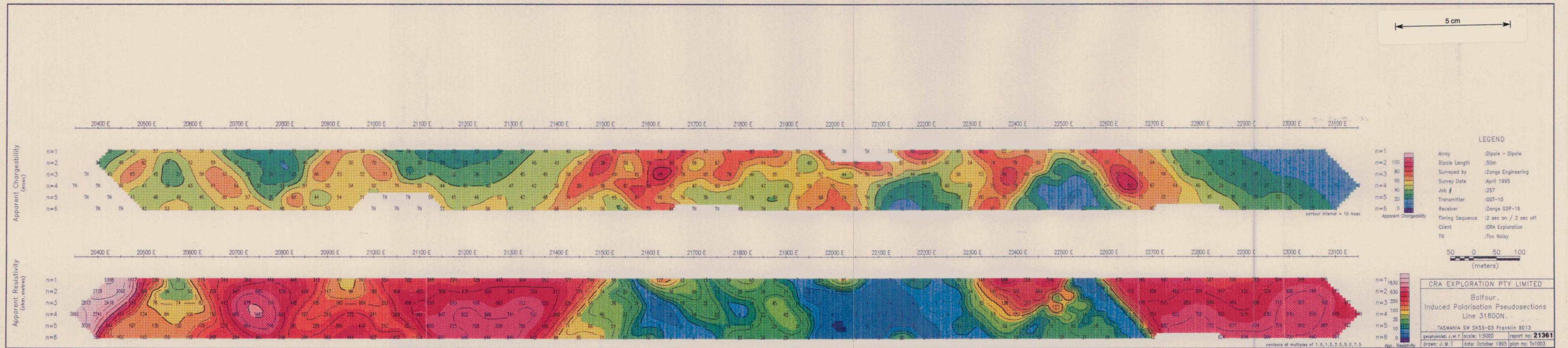
CRA EXPLORATION PTY. LIMITED	
MT FRANKLAND EL 18/92 & BALFOUR EL 4/94	
NELSON PROSPECT	
SOIL AND BEDROCK GEOCHEMISTRY	
Mn	

Ref.: SK55-3	Scale: 1 : 10 000
Author: S.A.MENPES	Report No.: 21361
Drawn: MAY 1995	Plan No.: Tv 963

95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, SA

742024



95-3802

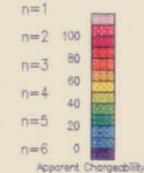
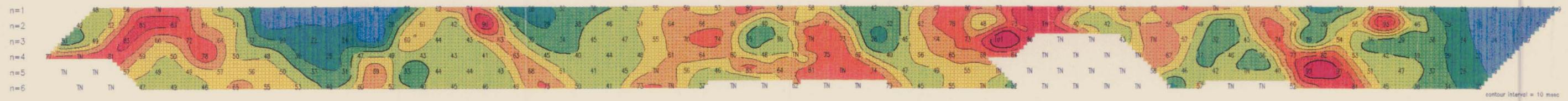
THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S A

742025

5 cm

20400 E 20500 E 20600 E 20700 E 20800 E 20900 E 21000 E 21100 E 21200 E 21300 E 21400 E 21500 E 21600 E 21700 E 21800 E 21900 E 22000 E 22100 E 22200 E 22300 E 22400 E 22500 E 22600 E 22700 E

Apparent Chargeability
(msec)

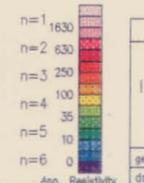
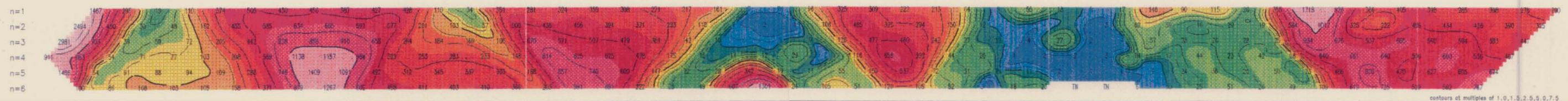


LEGEND

Array :Dipole - Dipole
Dipole Length :50m
Surveyed by :Zonge Engineering
Survey Date :April 1995
Job # :257
Transmitter :GGT-10
Receiver :Zonge GDP-16
Timing Sequence :2 sec on / 2 sec off
Client :CRA Exploration
TN :Too Noisy

20400 E 20500 E 20600 E 20700 E 20800 E 20900 E 21000 E 21100 E 21200 E 21300 E 21400 E 21500 E 21600 E 21700 E 21800 E 21900 E 22000 E 22100 E 22200 E 22300 E 22400 E 22500 E 22600 E 22700 E

Apparent Resistivity
(ohm metres)



50 0 50 100
(meters)

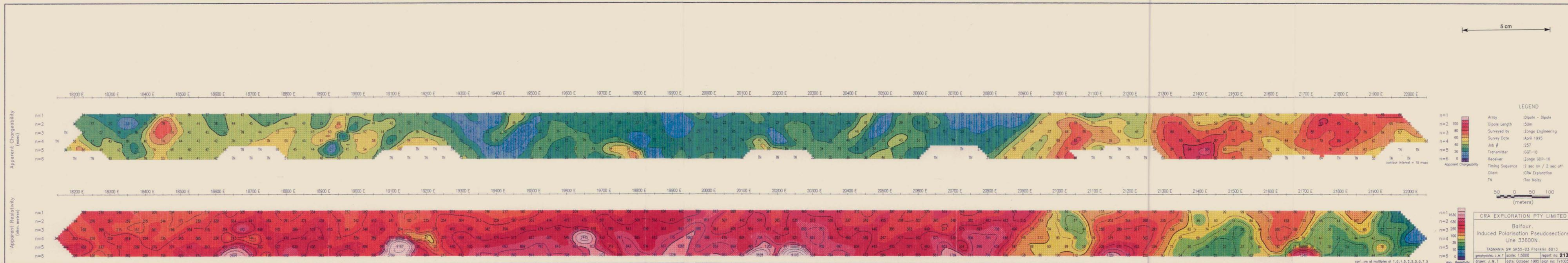
CRA EXPLORATION PTY LIMITED
Balfour.
Induced Polarisation Pseudosections
Line 32000N.
TASMANIA SW 5K55-03 Franklin 8013
geophysicist: J.M.T scale: 1:5000 report no: 21361
drawn: J.M.T date: October 1995 plan no: Tv1004

95-3802

THIRD ANNUAL REPORT 1995 EL 18/92
MT FRANKLAND - CRA - MENPES, S.A

742026

5 cm



Appendix 1

Nelson Prospect:
Rock Sample Geochemistry

Rock Grab Sample Geochemistry
 Nelson Prospect
 EL18/92

Sample No	AMGE	AMGN	DPO	Field ID	Texture	Alt/Min	Colour	Comments	Ag ppm	As ppm	Au ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Ni ppm	Pb ppm	Zn ppm
4142201	320625	5431200	81227	Mq	MaVq		W	Grab sample. 3% Vq.	-1	1.2	-0.005	-3	9	0.66	38	5	-3	5
4142202	320655	5431200	81227	OvqMq			W	Grab from 3m t o/c	-1	1	-0.005	-3	9	0.55	37	5	-3	4
4142218	320030	5434055	81229	Mq		He	PBW	Grab sample of hematite altered qtzite.	-1	5.1	0.008	-3	6	0.7	30	3	-3	8
4142219	319870	5434040	81229	Mq	Ma	Py	LG	Grab sample of qtzite with 2% py to 1mm.	-1	20.1	-0.005	-3	18	0.91	118	6	11	521
4142220	319305	5433430	81229	CsgOvq	Gs		WB	Grab of rare s/c of vn qtz with 10% goeth filled vugs	-1	129	-0.005	-3	19	1.95	21	4	-3	19
4142221	319305	5433430	81229	Ovq	Fr			Grab sample from same locn as 220 of barren looking vn qtz.	-1	5.2	-0.005	-3	10	0.33	20	3	-3	10
4142222	319825	5433280	81229	SssSsl	BdSl		LGG	Grab of qtz f/g sdst and slst with Fe ox alter py dissem in	-1	8.3	-0.005	-3	6	0.79	28	-3	-3	79
4142223	320615	5432640	81229	Mq			W	Grab of qtzite with v.tr unknown DG mineral?	-1	5.5	-0.005	-3	6	0.47	23	-3	-3	11
4142224	320385	5432535	81229	Ovq	Vu		WLB	Grab of vn qtz with LB ferrug altn & vugs partly filled with goeth.	-1	122	-0.005	-3	9	1.81	20	-3	-3	302
4142225	320385	5432535	81229	Ovq	FrBx		WLB	As above except without Fe	-1	5.4	-0.005	-3	6	0.43	22	5	-3	20
4142226	320180	5432745	81229	Sss	WeVqBd		BLG	F/g sdst with 3% qtz vnlets and Fe weathering.	-1	11.2	-0.005	-3	3	4.43	26	-3	-3	10

42028



CRA EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

Head Office: 55 Collins Street, Melbourne, Vic.

DESPATCH ADVICE, PACKING SLIP & ORDER

A.C.N. 000 057 125

★ DPO No.: 81227

DISTRICT OFFICE COPY

★ From CRAE office at 1/23 Bell Street
PRESTON 3072 ★ Date 31/1/95

★ To Laboratory: ANALABS

★ Lab. address: 14 Thirkell Street
Cooee Tas 7320

★ No. of samples: 180 189

COPIES OF THE RESULTS REPORT TO BE FORWARDED TO CRA EXPLORATION PTY LIMITED AT:

1. PO Box 8093, NORTHLAND CENTRE, 3072

★ Attn Mr Donnelly

2. As above

Attn C. Hayward WITH THE INVOICE

3. PO Box 3709, Manuka ACT 2603 Australia
Attention: CRAE Information Systems

QUOTE DPO NUMBER ON ALL REPORTS AND INVOICE.

★ 1:250000 sheet(s): Burnie SK55-3

★ Investigation: NW Tasmania Cu

★ Tenement: EL4/94, EL18/92

Complete on District, CIS & File copies only

Samples despatched per Delivered

Addressed ANALABS

As above

★ Return residues to: **ENTERED**

Send 100g split to CRAE Queensland

Return to CRAE Preston.

Copy of (for CRAE laboratory only):

Sample location plan attached

Sample ledger attached

Samples

Work Required

Start No.	End No.	Qty	Work Required
4141302	4141307	6	<p>SAMPLE TYPE: SOILS</p> <p>Please dry and pulverise.</p> <p>Assay for</p> <p>Ag, Co, Cu, Ni, Pb, Zn, Fe, Mn by Aqua Regia/ Perchloric Acid digest: AAS finish (GA140)</p> <p>As by hydride generation/AAS (GA114)</p> <p>Au by Fire assay/Carbon rod (GG326)</p> <p>PLEASE NOTE: SAMPLES ARE IN PLASTIC BAGS</p>
4141314	4141478	165	
4142201	4142217	17	<p>SAMPLE TYPE: ROCK</p> <p>Please dry crust & pulverise.</p> <p>Assay for</p> <p>Ag, Co, Cu, Ni, Pb, Zn, Fe, Mn by AAS (GA140)</p> <p>As by hydride/AAS (GA140)</p> <p>Au by fire assay/AAS (GG313)</p>

IMPORTANT — Each sample type must be entered separately with the following clearly shown:

1. Appropriate sample type,
2. Assay methods,
3. Laboratory method codes,

4. Preassay treatment,
5. Any special assay requirements,
6. Elements/minerals to be determined.

Cost code(s) G02141-CN 68% 3920
G02136-CN 32%

Authorised by M. Donnelly

Phone (004) 316837

14 Thirkell St. CODEE TAS 7320

Fax (004) 318890

ANALYTICAL REPORT No.

104165.60.10693

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

CRA Exploration Pty Limited
P.O. Box 8093
NORTHLAND CENTRE VIC 3072

ORDER No.

PROJECT

81227

DATE RECEIVED

RESULTS REQUIRED

03/02/95

ASAP

No. OF PAGES
OF RESULTS

DATE
REPORTED

No.
OF COPIES

TOTAL No.
OF SAMPLES

16

22/02/95

1

189

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

41302-307,4141309,
4141314-478,4142201-217

SR Prep : 8P031,8P033

Cu,Pb,Zn,Ag,Fe,Mn,Co,Ni/GA140
Fe(I)/GA140
As/HA140,As/GA140
Au/8G313
Au,Au(R)/8G326

RESULTS
TO

M Donnelly
CRA Exploration Pty Ltd
P.O Box 8093
NORTHLAND CENTRE VIC 3072

REMARKS

Fe(I)/GA140 results are over the
recommended analytical range.

RESULTS
TO

Mr C Hayward
CRA Exploration Pty Limited
P.O. Box 8093
NORTHLAND CENTRE VIC 3072
07136-CN-1681 145578

RESULTS
TO

CRAE Information Systems
P.O. Box 3709
MANUKA ACT 2603

AUTHORISED OFFICER

742030

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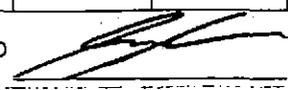
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SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140
1 4141457	2	<3	7	<1	0.19	-	31	<3	10
2 4141458	<2	<3	5	<1	0.19	-	20	<3	16
3 4141459	2	<3	7	<1	0.34	-	23	4	13
4 4141460	2	<3	7	<1	0.53	-	28	<3	12
5 4141461	5	6	31	<1	2.19	-	78	<3	19
6 4141462	3	<3	20	<1	2.80	-	162	3	17
7 4141463	2	<3	10	<1	-	6.1	42	<3	5
8 4141464	2	<3	5	<1	1.95	-	107	<3	11
9 4141465	2	4	21	<1	0.78	-	94	<3	19
10 4141466	5	<3	22	<1	3.09	-	31	<3	11
11 4141467	3	4	11	<1	3.13	-	64	<3	14
12 4141468	6	<3	12	<1	-	5.3	55	<3	7
13 4141469	14	<3	9	<1	2.71	-	34	<3	7
14 4141470	9	<3	14	<1	4.63	-	53	<3	<3
15 4141471	5	<3	15	<1	3.67	-	17	<3	6
16 4141472	7	3	12	<1	1.75	-	9	<3	13
17 4141473	2	5	13	<1	1.07	-	23	<3	9
18 4141474	6	3	19	<1	2.55	-	48	<3	10
19 4141475	3	4	24	<1	0.66	-	43	<3	13
20 4141476	2	4	25	<1	1.19	-	73	<3	11
21 4141477	24	32	24	<1	0.61	-	41	<3	22
22 4141478	7	5	19	<1	1.12	-	36	<3	8
23 4142201	9	<3	5	<1	0.66	-	38	<3	5
24 4142202	9	<3	4	<1	0.55	-	37	<3	5
25 4142203	30	17	41	<1	2.31	-	146	3	<3

units in ppm unless otherwise specified
: element not determined

IS = insufficient sample
SNR = sample not received

AUTHORISED
OFFICER



Cost 00497

742031

HT/CRA-9/84

ANALYTICAL DATA

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22/02/95

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METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
		GA140								
1	4142204	16	4	16	<1	0.68	-	68	<3	4
2	4142205	3	5	9	<1	0.62	-	77	<3	<3
3	4142206	12	18	13	<1	2.46	-	80	<3	<3
4	4142207	19	8	15	<1	1.98	-	75	<3	4
5	4142208	5	<3	8	<1	1.08	-	69	<3	6
6	4142209	11	4	4	<1	0.30	-	21	<3	5
7	4142210	12	6	83	<1	4.19	-	514	11	18
8	4142211	14	4	19	<1	0.99	-	332	4	11
9	4142212	31	3	24	<1	1.12	-	84	<3	6
10	4142213	10	6	10	<1	0.76	-	79	<3	<3
11	4142214	9	<3	5	<1	0.33	-	28	<3	5
12	4142215	13	<3	25	<1	-	5.7	438	4	11
13	4142216	2	<3	37	<1	-	22.7	652	<3	<3
14	4142217	6	12	14	<1	-	15.3	2674	10	<3
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	2	3	2	1	0.01	0.1	3	3	3
25	UNITS	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm

Results in ppm unless otherwise specified
 -- element not determined

IS = insufficient sample
 SNR = sample not received

AUTHORISED OFFICER



Cost code(s)

ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

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22/02/95

81227

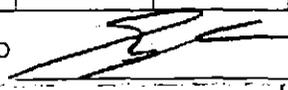
15 OF 16

Sample No.	Au	Au (R)	Au	As	As				
1	GG326	GG326	GG313	HA140	GA140				
1	4141457	0.002	-	-	0.7	-			
2	4141458	0.002	-	-	<0.5	-			
3	4141459	0.001	-	-	3.5	-			
4	4141460	0.002	-	-	1.2	-			
5	4141461	0.002	-	-	44.9	-			
6	4141462	0.002	-	-	12.6	-			
7	4141463	0.002	-	-	21.1	-			
8	4141464	0.002	-	-	1.3	-			
9	4141465	0.001	-	-	1.2	-			
10	4141466	0.002	-	-	8.5	-			
11	4141467	0.002	-	-	2.7	-			
12	4141468	0.004	-	-	12.3	-			
13	4141469	0.002	-	-	14.8	-			
14	4141470	0.002	-	-	6.0	-			
15	4141471	0.004	-	-	4.9	-			
16	4141472	0.004	-	-	43.5	-			
17	4141473	0.002	-	-	3.9	-			
18	4141474	0.002	-	-	15.5	-			
19	4141475	0.001	-	-	1.7	-			
20	4141476	0.001	-	-	7.6	-			
21	4141477	0.002	-	-	2.4	-			
22	4141478	0.001	-	-	6.3	-			
23	4142201	-	-	<0.005	1.2	-			
24	4142202	-	-	<0.005	1.0	-			
25	4142203	-	-	<0.005	26.4	-			

Results in ppm unless otherwise specified
 - element not determined

IS = insufficient sample
 SNR = sample not received

AUTHORISED OFFICER



Cost code(s) G 02136 - CN 32% 57W

Authorised by Mr. Stewart U.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

104165.60.10693

22/02/95

81227

16 OF 16

HOD	SAMPLE No.	Au	Au (R)	Ag	As	As			
	GG326	GG326	GG313	HA140	GA140				
1	4142204	-	-	<0.005	2.3	-			
2	4142205	-	-	<0.005	0.9	-			
3	4142206	-	-	<0.005	5.6	-			
4	4142207	-	-	<0.005	19.7	-			
5	4142208	-	-	<0.005	1.4	-			
6	4142209	-	-	<0.005	0.7	-			
7	4142210	-	-	<0.005	1.9	-			
8	4142211	-	-	<0.005	0.9	-			
9	4142212	-	-	<0.005	8.0	-			
10	4142213	-	-	<0.005	0.7	-			
11	4142214	-	-	<0.005	<0.5	-			
12	4142215	-	-	<0.005	12.3	-			
13	4142216	-	-	<0.005	2.5	-			
14	4142217	-	-	<0.005	4.2	-			
15									
16									
17									
18									
19									
20									
21									
22									
23									
24	DETECTION	0.001	0.001	0.005	0.5	50			
25	UNITS	ppm	ppm	ppm	ppm	ppm			

Results in ppm unless otherwise specified
 - element not determined

IS = insufficient sample
 SNR = sample not received

AUTHORISED OFFICER

elements/minerals to be determined.

Cost code(s) Q02141-CN 68% 3920
Q02136-CN 32%

Authorised by M. D. ...



CRA EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

Head Office: 55 Collins Street, Melbourne, Vic.
DESPATCH ADVICE, PACKING SLIP & ORDER

A.C.N. 000 057 125

★ DPO No.: 81229

DISTRICT OFFICE COPY

★ From CRAE office at: 1/23 Bell Street
PRESTON 3072 ★ Date: 20/2/95

★ To Laboratory: ANALABS

★ Lab. address: 14 Thirkell Street
Coee Tas 7320

★ No. of samples: 37

COPIES OF THE RESULTS REPORT TO BE FORWARDED TO CRA EXPLORATION PTY LIMITED AT:

1. PO. Box 8073 Northland Centre, 3072

★ Attn: M. Donnelly

2. As Above

Attn: S. Hayward WITH THE INVOICE

3. PO Box 3709, Manuka ACT 2603 Australia
Attention: CRAE Information Systems

QUOTE DPO NUMBER ON ALL REPORTS AND INVOICE.

★ 1:250 000 sheet(s):

Burnie SK55-3

★ Investigation: NW Tasmania Cu

★ Tenement: EL4/94, EL18/92

Complete on District, CIS & File copies only

Samples despatched per Delivered

Addressed ANALABS

As above

★ Return residues to:

Send 100g split to CRAE Queenbeyan

Return to CRAE Preston

Copy of (for CRAE laboratory only):

Sample location plan attached

Sample ledger attached

ENTERED

Samples			Work Required
Start No.	End No.	Qty	
4142212	4142254	37	<p><u>SAMPLE TYPE: ROCK</u></p> <p><u>Please dry, crush and pulverise.</u></p> <p><u>Assay for:</u></p> <p><u>Au by fire assay / AAS (GA313)</u></p> <p><u>As by hydride / AAS (^{GA117}GA140)</u></p> <p><u>Ag, Ce, Cu, Ni, Pb, Zn, Fe, Mn by AAS (GA140)</u></p>

IMPORTANT — Each sample type must be entered separately with the following clearly shown:

1. Appropriate sample type,
2. Assay methods,
3. Laboratory method codes,
4. Preassay treatment,
5. Any special assay requirements,
6. Elements/minerals to be determined.

Cost code(s) ~~GA117~~ GA117 • 202141 - CN 75% • 202136 - CN 25%

Authorised by M. Donnelly

Phone (004) 316837

14 Thirkell St. COOEE TAS 7320

Fax (004) 318890

ANALYTICAL REPORT No.

104165.60.10719

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

CRA Exploration Pty Limited
P.O. Box 8093
NORTHLAND CENTRE VIC 3072

ORDER No.

PROJECT

81229

DATE RECEIVED

RESULTS REQUIRED

20/02/95

ASAP

No. OF PAGES
OF RESULTS

DATE
REPORTED

No.
OF COPIES

TOTAL No.
OF SAMPLES

4

07/03/95

1

37

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
4142218/254	RD Prep : GP033	Cu, Pb, Zn, Ag, Fe, Mn, Co, Ni/6A140 Fe(1)/6A140 As, Au(R), Au(S)/86313 As/HA140, As/6A140

RESULTS
TO

M Donnelly
CRA Exploration Pty Ltd
P O Box 8093
NORTHLAND CENTRE VIC 3072

RESULTS
TO

M C Hayward
CRA Exploration Pty Limited
P.O. Box 8093
NORTHLAND CENTRE VIC 3072
(02) 36 - CM - 1681 284-64

RESULTS
TO

CRAE Information Systems
P.O. Box 3709
MANUKA ACT 2603

REMARKS

AUTHORISED OFFICER

742036

ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

SAMPLE PREFIX		REPORT No.				REPORT DATE		CLIENT ORDER No.		PAGE	
		104165.60.10719				07/03/95		81229		1 OF 4	
METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni	
		GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	
1	4142218	6	<3	8	<1	0.70	-	30	<3	3	
2	4142219	18	11	521	<1	0.91	-	118	<3	6	
3	4142220	19	<3	19	<1	1.95	-	21	<3	4	
4	4142221	10	<3	10	<1	0.33	-	20	<3	3	
5	4142222	6	<3	79	<1	0.79	-	28	<3	<3	
6	4142223	6	<3	11	<1	0.47	-	23	<3	<3	
7	4142224	9	<3	302	<1	1.81	-	20	<3	<3	
8	4142225	6	<3	20	<1	0.43	-	22	<3	5	
9	4142226	3	<3	10	<1	4.43	-	26	<3	<3	
10	4142227	54	47	52	<1	3.75	-	153	7	21	
11	4142228	10	<3	57	<1	3.61	-	212	<3	14	
12	4142229	13	8	243	<1	4.75	-	302	<3	20	
13	4142230	11	<3	58	<1	3.66	-	777	7	23	
14	4142231	12	12	61	<1	2.19	-	136	<3	12	
15	4142232	17	19	56	<1	1.78	-	117	<3	8	
16	4142233	7	<3	44	<1	3.19	-	329	3	21	
17	4142234	20	5	116	<1	2.45	-	77	7	16	
18	4142235	88	<3	42	<1	3.22	-	136	8	21	
19	4142236	10	<3	17	<1	3.05	-	681	<3	6	
20	4142237	18	7	28	<1	1.79	-	107	<3	5	
21	4142238	15	49	52	<1	2.35	-	110	<3	8	
22	4142239	17	7	70	<1	2.06	-	122	<3	6	
23	4142240	14	8	28	<1	2.03	-	180	<3	6	
24	4142241	18	<3	34	<1	2.12	-	178	<3	5	
25	4142242	16	6	43	<1	2.15	-	213	<3	6	

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
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ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

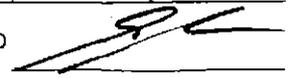
104165.60.10719 07/03/95 81229 2 OF 4

	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4142243	24	6	58	<1	2.19	-	187	<3	9
2	4142244	12	21	64	<1	1.66	-	105	<3	6
3	4142245	21	11	13	<1	1.16	-	41	<3	4
4	4142246	15	6	48	<1	2.68	-	138	<3	6
5	4142247	26	9	34	<1	2.57	-	199	<3	10
6	4142248	29	255	18	<1	1.29	-	145	<3	6
7	4142249	21	336	35	<1	1.93	-	262	<3	10
8	4142250	12	24	20	<1	2.79	-	65	<3	3
9	4142251	16	<3	35	<1	-	6.7	867	7	17
10	4142252	14	<3	32	<1	-	7.7	1486	4	15
11	4142253	24	<3	44	<1	-	19.5	2352	14	29
12	4142254	10	<3	42	<1	-	6.9	1008	9	17
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	2	3	2	1	0.01	0.1	3	3	3
25	UNITS	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm

Results in ppm unless otherwise specified
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ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

		104165.60.10719			07/03/95	81229	3 OF 4		
	SAMPLE No.	Au	Au(R)	Au(S)	As	As			
ETHOD		GG313	GG313	GG313	HA140	GA140			
1	4142218	0.008	-	-	5.1	-			
2	4142219	<0.005	-	-	20.1	-			
3	4142220	<0.005	-	-	-	129			
4	4142221	<0.005	-	-	5.2	-			
5	4142222	<0.005	-	-	8.3	-			
6	4142223	<0.005	-	-	5.5	-			
7	4142224	<0.005	-	-	-	122			
8	4142225	<0.005	-	-	5.4	-			
9	4142226	<0.005	-	-	11.2	-			
10	4142227	<0.005	-	-	48.3	-			
11	4142228	<0.005	-	-	18.6	-			
12	4142229	<0.005	0.005	-	-	64			
13	4142230	<0.005	-	-	10.2	-			
14	4142231	<0.005	-	-	15.8	-			
15	4142232	<0.005	-	-	12.3	-			
16	4142233	<0.005	-	-	9.4	-			
17	4142234	<0.005	-	<0.005	38.7	-			
18	4142235	0.192	-	-	21.9	-			
19	4142236	0.010	-	-	7.3	-			
20	4142237	<0.005	-	-	18.9	-			
21	4142238	<0.005	-	-	14.9	-			
22	4142239	<0.005	<0.005	-	26.0	-			
23	4142240	<0.005	-	-	29.4	-			
24	4142241	<0.005	-	-	14.9	-			
25	4142242	0.012	-	<0.005	9.3	-			

Results in ppm unless otherwise specified
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IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

SAMPLE PREFIX		REPORT No.			REPORT DATE		CLIENT ORDER No.		PAGE	
		104165.60.10719			07/03/95		51227		1 OF 4	
METHOD	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
		GG313	GG313	GG313	HA140	GA140				
1	4142243	0.008	-	-	31.0	-				
2	4142244	0.018	-	-	19.1	-				
3	4142245	<0.005	-	-	10.8	-				
4	4142246	<0.005	-	-	-	5035				
5	4142247	<0.005	-	-	20.5	-				
6	4142248	<0.005	-	-	19.4	-				
7	4142249	<0.005	-	-	25.0	-				
8	4142250	<0.005	-	-	9.1	-				
9	4142251	<0.005	-	-	32.1	-				
10	4142252	<0.005	-	-	23.1	-				
11	4142253	<0.005	-	-	24.1	-				
12	4142254	<0.005	<0.005	-	18.5	-				
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	0.005	0.005	0.005	0.5	50				
25	UNITS	ppm	ppm	ppm	ppm	ppm				

results in ppm unless otherwise specified
-- = element not determined

IS = insufficient sample
SNR = sample not received

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Appendix 2

Nelson Prospect:
Soil/Wacker Bedrock Geochemistry

Soil and Wacker Bedrock Samples
Nelson Prospect
EL 18/92

Sample No.	AMGE	AMGN	DPO #1	DPO #2	Sample Type	Depth m	Horizon	Texture	Colour	Comments	Field ID	Mineralogy
4141329	320975	5431600	81227	77190	SOIL	0.9	C	Bd	G-LB		Ssl	
4141330	320950	5431600	81227	77190	SOIL	0.6	C	Vq	G	Carbonaceous micaceous slst	Sbs	
4141331	320925	5431600	81227	77190	SOIL	0.7	C	FeBd	DB		Ssl	
4141332	320900	5431600	81227	77190	SOIL	0.8	C	Lm	B		Ssl	
4141333	320875	5431600	81227	77190	SOIL	1.2	C	Lm	B		Ssl	
4141334	320850	5431600	81227	77190	SOIL	0.9	C	Lm	B		Ssl	
4141335	320825	5431600	81227	77190	SOIL	0.6	C	Lm	B-LG		Ssl	
4141336	320800	5431600	81227	77190	SOIL	0.3	C	Lm	B		Ssl	
4141337	320775	5431600	81227	77190	SOIL	0.35	C	Lm	G	Carbonaceous with W lamellae	Sbs	
4141338	320750	5431600	81227	77190	SOIL	0.75	C		B		Ssl	
4141339	320700	5431600	81227	77190	SOIL	0.5	C	Lm	G		Ssl	
4141340	320675	5431600	81227	77190	SOIL	1	C	Lm	G	carbonaceous slst	Sbs	
4141341	320650	5431600	81227	77190	SOIL	0.3	C		LG	F/g qtz sdst & minor slst frags	Sss	
4141342	320625	5431600	81227	77190	SOIL	0.7	C	Lm	GB	F/g qtz sdst & G slst lamellae	Sss	
4141343	320600	5431600	81227	77190	SOIL	0.8	C		DG	Siliceous carbonaceous slst	Sbs	
4141344	320575	5431600	81227	77190	SOIL	0.6	C	Sc	DG	V.carbonaceous slst frags	Sbs	
4141345	320550	5431600	81227	77190	SOIL	0.45	C	Bx	W-G	Vn qtz bx with Gy sedi clasts	Obx	
4141346	320525	5431600	81227	77190	SOIL	0	Bedrock	Vq	LG	O/c grab sample	Mq	
4141347	320475	5432000	81227	77190	SOIL	0.6	Bedrock		LB	m/g qtz arenite	Sss	
4141348	320500	5432000	81227	77190	SOIL	0.95	C	Sl	G	silicified f/g sdst frags	Sss	
4141349	320525	5432000	81227	77190	SOIL	0.55	C		W-B	F/g qtz-musc sdst	Sss	
4141350	320550	5432000	81227	77190	SOIL	0.3	C	Vu	WB	finely pltted vn qtz frags	Ovq	
4141351	320575	5432000	81227	77190	SOIL	0.5	C		DG	Carbonaceous micaceous slst	Sbs	
4141352	320600	5432000	81227	77190	SOIL	0.75	C	Lm	GB		Ssl	
4141353	320625	5432000	81227	77190	SOIL	0.6	C	Lm	GB		Ssl	
4141354	320650	5432000	81227	77190	SOIL	0.6	C	Lm	B		Ssl	
4141355	320675	5432000	81227	77190	SOIL	0	C	Lm	LG	G-WB slst	Ssl	
4141356	320700	5432000	81227	77190	SOIL	0.6	C	Lm	B		Ssl	
4141357	320725	5432000	81227	77190	SOIL	1.1	C	Lm	LG		Ssl	
4141358	320750	5432000	81227	77190	SOIL	1.2	C	Lm	LG		Ssl	
4141359	320775	5432000	81227	77190	SOIL	0.5	C	Lm	B		Ssl	
4141360	320800	5432000	81227	77190	SOIL	0.8	C	Lm	B		Ssl	
4141361	320825	5432000	81227	77190	SOIL	0.7	C	LmFe	B		Ssl	
4141362	320850	5432000	81227	77190	SOIL	0.7	C	Lm	LGB		Ssl	

Soil and Wacker Bedrock Samples
Nelson Prospect
EL 18/92

Sample No.	AMGE	AMGN	DPO #1	DPO #2	Sample Type	Depth m	Horizon	Texture	Colour	Comments	Field ID	Mineralogy
4141363	320875	5432000	81227	77190	SOIL	1.2	C	Lm	LG		Ssl	
4141364	320900	5432000	81227	77190	SOIL	1.1	C	Bd	LGB	Bedded f/g sdst	Sss	
4141365	320925	5432000	81227	77190	SOIL	0.8	C		LGB	Qtz-musc sdst frags	Ssl	
4141366	320950	5432000	81227	77190	SOIL	1.4	C	Lm	LG	LG-WB lam slst	Ssl	
4141367	320975	5432000	81227	77190	SOIL	1.3	C		LG		Ssl	
4141382	320525	5432800	81227	77190	SOIL	1	C		LG	Qtz sdst	Sss	
4141383	320550	5432800	81227	77190	SOIL	0.9	C		LG-LB		Sss	
4141384	320575	5432800	81227	77190	SOIL	0.4	B		WB	Qtzite & sand. 5m wide Qtzite.	Mq	
4141385	320600	5432800	81227	77190	SOIL	0.9	B/C		B		Ssl	
4141386	320625	5432800	81227	77190	SOIL	0.6	C	Fe	DB		Ssl	
4141387	320650	5432800	81227	77190	SOIL	0.4	C	Fe	DB		Ssl	
4141388	320675	5432800	81227	77190	SOIL	1.2	C		B	Qtz sdst	Sss	
4141389	320700	5432800	81227	77190	SOIL	1	C	Sl	DB	F/g Qtz musc sdst	Sss	
4141390	320725	5432800	81227	77190	SOIL	0.9	C		DGB		SssSsl	
4141391	320750	5432800	81227	77190	SOIL	0.65	C		DG		Sbs	
4141392	320800	5432800	81227	77190	SOIL	0.7	B/C?		G	Qtzite frags; ridge crest	Mq	
4141393	320825	5432800	81227	77190	SOIL	0.55	B/C?		WG	Qtzite frags; ridge crest	Mq	
4141397	320675	5431200	81227	77190	SOIL	0.65	C		DG	Carbonaceous slst	Sbs	
4141398	320725	5431200	81227	77190	SOIL	0.7	C	Bd	LGLB	Slst	Ssl	
4141399	320750	5431200	81227	77190	SOIL	0.65	C	Lm	G	LG-WB slst	Ssl	
4141400	320775	5431200	81227	77190	SOIL	0.8	C	Lm	G	LG-WB slst	Ssl	
4141401	320800	5431200	81227	77190	SOIL	0.75	C	Lm	GB		Ssl	
4141402	320825	5431200	81227	77190	SOIL	0.85	C		G		Ssl	
4141479	321550	5430400	81230	77190	WACKER	2.4	bedrock		LB	Upper change of slope @ 321535E.	Mq	
4141480	321525	5430400	81230	77190	WACKER	2.4	bedrock	Ma	W-LG		Mq	
4141481	321500	5430400	81230	77190	WACKER	1.3	bedrock	Ma	W		Mq	
4141482	321475	5430400	81230	77190	WACKER	2.3	bedrock	Ma	W		MqSss	
4141483	321450	5430400	81230	77190	WACKER	1.6	bedrock	Lm	LG	Lower break in slope @ 321460E.	Ssl	
4141484	321425	5430400	81230	77190	WACKER	2.2	bedrock	Lm	LG-WB		Ssl	
4141485	321400	5430400	81230	77190	WACKER	2.1	bedrock	Lm	LG-LB	euohedral py	Ssl	Py
4141486	321375	5430400	81230	77190	WACKER	2.2	bedrock		G		Ssl	
4141487	321350	5430400	81230	77190	WACKER	2	bedrock		LG	minor py	Ssl	Py
4141488	321325	5430400	81230	77190	WACKER	2.2	bedrock					
4141489	321300	5430400	81230	77190	WACKER	1.5	bedrock		G	micaceous sandy slst	Ss ss	

Soil and Wacker Bedrock Samples
Nelson Prospect
EL 18/92

Sample No.	AMGE	AMGN	DPO #1	DPO #2	Sample Type	Depth m	Horizon	Texture	Colour	Comments	Field ID	Mineralogy
4141490	321275	5430400	81230	77190	WACKER	1.9	C	Lm	GB	Qtz-musc sandy slst	Ss ss	
4141491	321250	5430400	81230	77190	WACKER	4.9	C	Lm	LG-LB		Ssl	
4141492	321225	5430400	81230	77190	WACKER	5	C	LmWe	LG-LB	V.small sample	Ssl	
4141493	321200	5430400	81230	77190	WACKER	2.6	C	Lm	G-LB		Ssl	
4141494	321175	5430400			WACKER	2.2	Trans		B	Qtz sand & gravel. Unable to penetrate.	Cg	
4141495	321150	5430400	81230	77190	WACKER	6.5	bedrock	Lm	G-WB		Ssl	
4141496	321125	5430400	81230	77190	WACKER	2.6	bedrock	Lm	G	carbonaceous slst with tr py	Sbs	Py
4141497	321100	5430400	81230	77190	WACKER	4.2	bedrock	Lm	LG	micaceous slst	Ssl	
4141498	321075	5430400	81230	77190	WACKER	2	bedrock	Lm	LG	sandy slst	Ssl	
4141499	321050	5430400	81230	77190	WACKER	1.4	C	WeVq	W		Mq	
4141500	321025	5430400	81230	77190	WACKER	1.6	bedrock	Vq	W		Mq	
4141501	321000	5430400	81230	77190	WACKER	1.7	C?	Vq	G-W	Bedrock or gravel? On steep slope	SsslMq	
4141502	320800	5430800	81230	77190	WACKER	0.9	bedrock		W		Mq	
4141503	320825	5430800	81230	77190	WACKER	1	bedrock	Vq	WG	Qtz sandy slst. Interp as Pyq	Ssl	
4141504	320850	5430800	81230	77190	WACKER	1.3	bedrock		W		Mq	
4141505	320875	5430800	81230	77190	WACKER	2.5	C?	We	DB	Unable to penetrate further, 2 attempts	Ssl	
4141506	320900	5430800	81230	77190	WACKER	1.8	C	Lm	LBG		Ssl	
4141507	320925	5430800	81230	77190	WACKER	4.4	bedrock	Lm	G-W		Ssl	
4141508	320950	5430800	81230	77190	WACKER	1.5	C	Bd	GB	micaceous	Ssl	
4141509	320975	5430800	81230	77190	WACKER	1.4						
4141510	321000	5430800	81230	77190	WACKER	1.2	C	Lm	G-LB	V.small sample; diff to penetrate	Ssl	
4141511	321025	5430800	81230	77190	WACKER	1.7	C	Lm	G-WB		Ssl	
4141512	321050	5430800	81230	77190	WACKER	5.5	bedrock	Lm	G-W		Ssl	
4141513	321075	5430800	81230	77190	WACKER	2.8	bedrock	Lm	G-W		Ssl	
4141514	321100	5430800	81230	77190	WACKER	6	bedrock	Lm	G-W		Ssl	
4141515	321125	5430800	81230	77190	WACKER	4	bedrock	Lm	G-W		Ssl	
4141516	321150	5430800	81230	77190	WACKER	3	bedrock	Lm	G-W	Small sample.	Ssl	
4141517	321175	5430800	81230	77190	WACKER	5	bedrock	Lm	G-W		Ssl	
4141518	321200	5430800	81230	77190	WACKER	2.7	C	Lm	B-G	micaceous	Ssl	
4141519	321225	5430800	81230	77190	WACKER	2.5	bedrock	Lm	G		Ssl	
4141520	321250	5430800	81230	77190	WACKER	4.3	bedrock	Lm	G-W		Ssl	
4141521	321275	5430800	81230	77190	WACKER	3.4	C	Lm	B-G	v.small sample	Ssl	
4141522	321300	5430800	81230	77190	WACKER	2.9	bedrock	Bd	LG	f/g Qtz-musc sdst & G slst	Sssl	
4141523	321325	5430800	81230	77190	WACKER	3.5	bedrock	Bd	LG	W bank of ck	Ssl	

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Sample No.	AMGE	AMGN	DPO #1	DPO #2	Sample Type	Depth m	Horizon	Texture	Colour	Comments	Field ID	Mineralogy
4141524	321354	5430800	81230	77190	WACKER	5.7	bedrock	Bd	W-G	f/g qtz-musc sdst & G slst	SssSsi	
4141525	321375	5430800	81230	77190	WACKER	2.1	C	Lm	G-W	v.small sample.	Ssi	
4141526	321400	5430800	81230	77190	WACKER	6	bedrock	Bd	LG	f/g qtz-musc sdst & slst	SssSsl	
4141527	321425	5430800	81230	77190	WACKER	3.8	bedrock	Lm	G-W		Ssi	
4141528	321450	5430800	81230	77190	WACKER	3	bedrock	Lm	G		Ssl	
4141529	321475	5430800	81230	77190	WACKER	1.4	bedrock	Lm	G		Ssl	
4141530	321500	5430800	81230	77190	WACKER	1.2	bedrock		DG	carbonaceous slst	Sbs	
4141531	321520	5430800	81230	77190	WACKER	1.9	bedrock		W-G	Qtz sdst. On low ridge with qtzite flt.	Sss	
4141532	321550	5430800	81230	77190	WACKER	1.2	C	We	B	f/g silty sdst	Sss	
4141533	321575	5430800	81230	77190	WACKER	3.4	bedrock	Bd	DG-W	micaceous, DG bands carbonaceous	Ssl	
4141534	321600	5430800	81230	77190	WACKER	1	C	Lm	G-B		Ssl	
4141562	320975	5431200	81230	77190	WACKER	1	bedrock	Bd	G	micaceous slst & f/g sdst	Ss ss	
4141563	320950	5431200	81230	77190	WACKER	1	C	LmWe	LB-G	micaceous slst	Ssi	
4141564	320925	5431200	81230	77190	WACKER	1.1	C	LmWe	BG		Ssl	
4141565	320900	5431200	81230	77190	WACKER	1.2	C	BdWe	BG		Ssl	
4141566	320875	5431200	81230	77190	WACKER	1.1	C	LmWe	GB		Ssl	
4141567	320850	5431200	81230	77190	WACKER	1.6	bedrock	Lm	G-W		Ssl	
4141605	320850	5432800	77184	77190	WACKER		bedrock	Ma	W	Quartzite	Sss	
4141606	320875	5432800	77184	77190	WACKER	2.4	C	WeMa	DB	Fn-med gr sst, arg mtx. Cover contam?	Sss	
4141607	320900	5432800	77184	77190	WACKER	2.5	C	WeMa	DB	Very weathered arg slst	Ssl	
4141608	320925	5432800	77184	77190	WACKER	2	C-bdrck	Lm	DYO	Fining up sltst laminae. Pyjama sltst	Ssl	
4141609	320950	5432800	77184	77190	WACKER	8.2	bedrock	Lm	W-G	Pyjama sltst	Ssl	
4141610	320975	5432800	77184	77190	WACKER	6.4	bedrock	Lm-Bd	W-G	Pyjama sltst	Ssl	
4141689	320975	5433600	77184	77190	WACKER	6.7	bedrock	Lm	LG-G	?Trace v fn d sem Py, trace mica	Ssl	?Py
4141690	320950	5433600	77184	77190	WACKER	5.2	bedrock	Bd	W	Ssl grading to v fn Sss	Ssi-Sss	
4141691	320925	5433600	77184	77190	WACKER	3.6	bedrock	Lm	W-LG	Pyjama Siltstone	Ssl	
4141692	320900	5433600	77184	77190	WACKER	3.2	bedrock	Lm	W-G	Pyjama Siltstone	Ssl	
4141693	320875	5433600	77184	77190	WACKER	4	bedrock	Lm-Bd	W-N		Ssl	
4141694	320850	5433600	77184	77190	WACKER	4	bedrock	Lm	W-G	Pyjama Siltstone	Ssl	
4141695	320825	5433600	77184	77190	WACKER	5.2	bedrock	Lm	W-DG	Pyjama Siltstone	Ssl	
4141696	320800	5433600	77184	77190	WACKER	3.5	C	Bd	LB-N		Ssl	
4141697	320775	5433600	77184	77190	WACKER	2.7	bedrock	Ma	LG-G		Ssl	
4141698	320750	5433600	77184	77190	WACKER		bedrock	Bd-Lm	W-N	Cross-cutting 5mm qtz-py vein	Ssl	Py
4141699	320725	5433600	77184	77190	WACKER	1	C	Ma We	LB-DB		Ssl	

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Sample No.	AMGE	AMGN	DPO #1	DPO #2	Sample Type	Depth m	Horizon	Texture	Colour	Comments	Field ID	Mineralogy
4141700	320700	5433600	77184	77190	WACKER	1.2	bedrock	Ma	W	V fn to fn gr, silica cemented, qtz sandstone	Sss	
4141701	320675	5433600	77184	77190	WACKER		C	Ma We	B-DB	Some Cg contam	Ssi	
4141702	320650	5433600	77184	77190	WACKER	0.8	C	Ma We	LB		Ssl	
4141703	320625	5433600	77184	77190	WACKER		C	Bd-Lm	W-N	Some Cg contam	Ssi	
4141704	320600	5433600	77184	77190	WACKER	0.7	C	Ma	BG	Some Cg contam. Trace mica	Ssi	
4141705	320575	5433600	77184	77190	WACKER		C	Bd	LB-DG		Ssi	
4141706	320550	5433600	77184	77190	WACKER	0.8	C	Ma We	B-DG		Ssi	
4141707	320525	5433600	77184	77190	WACKER	1	C	Ma We	LB		Ssi	
4141708	320500	5433600	77184	77190	WACKER	1.2	C	Lm-Ma	LB-G	Minor Cg contam	Ssl	
4141709	320475	5433600	77184	77190	WACKER		C	Ma We	LB-GB	Slightly micaceous	Ssi	
4141710	320450	5433600	77184	77190	WACKER		bedrock	Ma	G-LG		Ssi	
4141711	320425	5433600	77184	77190	WACKER	0.7	C	Ma	LB	Siltst, trace sst. Micaceous, siliceous	Ssl-Sss	
4141712	320400	5433600	77184	77190	WACKER		C	Lm-Ma	LB-G	Slightly siliceous	Ssi	
4141713	320375	5433600	77184	77190	WACKER		C	We	W-B	Micaceous siltst. Trace Py	Ssi	Py
4141714	320350	5433600	77184	77190	WACKER	4.8	bedrock	Lm-Bd	LG-G	Micaceous. Trace Py	Ssi	Py
4141715	320325	5433600	77184	77190	WACKER	3.2	bedrock	Ma-Lm	LG-G	Micaceous. V fn d sem Py?	Ssl	Py
4141716	320300	5433600	77184	77190	WACKER	5.7	bedrock	Ma-Lm	G		Ssi	
4141717	320275	5433600	77184	77190	WACKER	2.5	bedrock	Lm	G-DG	Minor fn Py along some laminae	Ssi	Py
4141718	320250	5433600	77184	77190	WACKER	6.6	bedrock	Bd-Lm	LG		Ssi	
4141719	320225	5433600	77184	77190	WACKER	0.8	C	Ma-Lm	G	Some Cg contam	Ssi	
4141720	320200	5433600	77184	77190	WACKER	1	C	Lm	G	Coarse sands and clays in bedrock (thru roots)	Ssi	
4141721	320175	5433600	77184	77190	WACKER		C	Lm We	LB-G	Common Cg contam	Ssi	
4141722	320150	5433600	77184	77190	WACKER	1	Trans	Ma We	GB	Predom Cg, some Ssl	Cg-Ssl	
4141723	320125	5433600	77184	77190	WACKER	1	C	Lm We	B-G	Ferruginous. Some Cg contam	Ssi	
4141724	320100	5433600	77184	77190	WACKER	0.8	bedrock	Ma	LG-G	Siltst. Minor thin qtz veins	Ssi	
4141725	320075	5433600	77184	77190	WACKER		C	Ma We	BG	Some Cg contam	Ssi	
4141726	320050	5433600	77184	77190	WACKER	1.5	Trans-C	Ma We	B-DB	Some Cg contam	Ssl	
4141727	320025	5433600	77184	77190	WACKER	1.2	C	Ma We	DB-N	Very ferruginous siltstone, also quartzite	Ssi-Sss	
4141728	320000	5433600	77184	77190	WACKER		bedrock	Ma	W	V fn gr qtz sst grading to siltst in places	Sss	
4141729	319975	5433600	77184	77190	WACKER	0.8	bedrock	Ma	W	Fn gr qtz sst. Semi lithified	Sss	
4141730	319950	5433600	77184	77190	WACKER	1	C	Bd We	DB-B	Ferrug. v fn gr qtz sst grading to siltst	Sss-Ssl	
4141731	319925	5433600	77184	77190	WACKER		C	Bd We	B-G	Ferrug. v fn gr sst, minor interbedded siltst	Sss-Ssl	
4141732	319900	5433600	77184	77190	WACKER	1.2	C	Ma-Bd	B-DB	Ferrug. v fn gr qtz sst. Qtz veined. Minor siltst	Sss-Ssl	
4141733	319875	5433600	77184	77190	WACKER		bedrock	Ma	W	V fn gr, silica cemented, qtz sst	Sss	

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4141734	319850	5433600	77184	77190	WACKER	3	bedrock	Lm	W-G	Common poddy and fn d sem Py. Tr ?chlorite	Ssi	Py
4141735	319825	5433600	77184	77190	WACKER	1.2	bedrock	Ma	G	Tr v fn d sem sulphide	Ssi	Su
4141736	319800	5433600	77184	77190	WACKER		C	Ma We	B	Coarse sand introduced by roots	Ssi	
4141737	319775	5433600	77184	77190	WACKER		bedrock	Ma	W	Very fn to fn gr, well sorted qtz sst, silica cem	Sss	
4141738	319750	5433600	77184	77190	WACKER		bedrock	Ma	W	Very fn to fn gr qtz sst, silica cement	Sss	
4141739	319725	5433600	77184	77190	WACKER	3.2	C	Ma We	B		Ssi	
4141740	319700	5433600	77184	77190	WACKER	1.6	C	Lm	LB-G	Pyjama Siltstone. Coarse sltst to fine gr qtz sst	Ssi	
4141741	319675	5433600	77184	77190	WACKER	1.8	C	Ma We	B-DB		Ssi	
4141742	319650	5433600	77184	77190	WACKER		bedrock	Ma-Lm	G-LG	Micaceous	Ssi	
4141743	319625	5433600	77184	77190	WACKER	4.7	bedrock	Lm-Ba	LG-DG	Tr Py along some laminae	Ssi	Py
4141744	319600	5433600	77184	77190	WACKER	2.4	bedrock	Lm-Ba	LG-DG	Pyjama Siltstone	Ssi	
4141745	319575	5433600	77184	77190	WACKER	3	bedrock	Ma-Bd	LG-G	Common v fn vein sulphides	Ssi	Su
4141746	319550	5433600	77184	77190	WACKER	2.5	bedrock	Ma-Lm	G-LG		Ssi	
4141747	319525	5433600	77184	77190	WACKER	2	bedrock	Ma-Lm	G-LG		Ssi	
4141748	319500	5433600	77184	77190	WACKER		Trans-C	Lm	G-LG	Large silic frags. Cg contam?	Ssi-Cg	
4141749	319475	5433600	77184	77190	WACKER		C	Lm-Ba	LB-G		Ssi	
4141750	319450	5433600	77184	77190	WACKER		bedrock	Lm	LG-G	Pyjama Siltstone. Minor v fn vein Py	Ssi	Py
4141751	319425	5433600	77184	77190	WACKER		bedrock	Ma	W	V fn gr, silica cemented, qtz sst	Sss	
4141752	319400	5433600	77184	77190	WACKER	1	C	Lm Ma	W-N	Interbedded sst (or cover sands?) and sltst	Sss-Ssi	
4141753	319375	5433600	77184	77190	WACKER	1	C	Lm	B-G	Coarse sltst grading to v fn qtz sst	Ssi-Sss	
4141754	319350	5433600	77184	77190	WACKER	1	C	Lm-Ba	OB-G	Tr v fn Py along veins	Ssi	Py
4141755	319325	5433600	77184	77190	WACKER	1	C	Lm	OB-G	V fn gr qtz sst with minor sltst laminae	Sss	Py
4141756	319300	5433600	77184	77190	WACKER	4.7	bedrock	Lm-Ba	W-G	Sltst grades to v fn qtz sst. Minor v fn vein Py	Ssi-Sss	Py
4141757	319275	5433600	77184	77190	WACKER	2	bedrock	Ba-Lm	LB-G	V fn gr qtz sst grading to sltst	Sss-Ssi	
4141758	319250	5433600	77184	77190	WACKER	3	bedrock	Lm	VG-G	V fn gr qtz sst grading to sltst. Tr vein Py	Sss-Ssi	Py
4141759	319225	5433600	77184	77190	WACKER	1.5	C	Ba We	DB-G	V fn gr qtz sst grading to arg sltst	Sss-Ssi	
4141760	319200	5433600	77184	77190	WACKER	1.5	C	Ma-Lm	OB-G	Common veins and pods Py	Ssi	Py
4141761	319175	5433600	77184	77190	WACKER	1.2	C	Lm We	LB-LG		Ssi	
4141762	319150	5433600	77184	77190	WACKER		C-bdrck	Ma	LB-DB	Micaceous sltst	Ssi	
4141763	319125	5433600	77184	77190	WACKER	3.1	bedrock	Ma	W-N	Micaceous	Ssi	
4141764	319100	5433600	77184	77190	WACKER	3	bedrock	Ma	W-LG	Sltst gr to sst	Ssi-Sss	
4141765	319075	5433600	77184	77190	WACKER	2	bedrock	Lm-Ma	LG-G	Tr vein Py	Ssi	Py
4141766	319050	5433600	77184	77190	WACKER	2.8	bedrock	Ma	W-G	V fn gr qtz sst gr to sltst. Tr coarse Py	Sss-Ssi	Py
4141767	319025	5433600	77184	77190	WACKER	1	Trans-C	Ma	G	Cover gravels and clay?	Cg-Ccy	

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4141768	319000	5433600	77184	77190	WACKER	0.8	C	Ma	LG-DG	Some root intro coarse sand. Tr Py	Ssi	Py
4141769	318975	5433600	77184	77190	WACKER	1	bedrock	Lm	LB-DG	Micaceous, slightly silicified	Ssi	
4141770	318950	5433600	77184	77190	WACKER	2.2	bedrock	Ma	G-DG	Micaceous (along cleavage?). Sheared?	Ssi	
4141771	318925	5433600	77184	77190	WACKER	1.2	C-bdrck	Ma	DB-DG		Ssi	
4141772	318900	5433600	77184	77190	WACKER	3	bedrock	Lm-Ma	LG-G	Siltst, minor v fn gr, well sorted qtz sst. Tr Py	Ssi-Sss	Py
4141773	318875	5433600	77184	77190	WACKER	3.8	bedrock	Ma-Bd	VG-DG	V fn gr qtz sst with tr py and micac siltst	Sss Ssi	Py
4141774	318850	5433600	77184	77190	WACKER	0.8	bedrock	Ma	BG-DG	Silicified in places?	Ssi	
4141775	318825	5433600	77184	77190	WACKER	1	bedrock	Ma	DG-DB	Common v fn d sem sulphides (5%). Silic?	Ssi	Su
4141776	318800	5433600	77184	77190	WACKER	0.7	C	Lm We	OB-DB	Silicified in places	Ssi	
4141777	318775	5433600	77184	77190	WACKER	0.8	Trans-C	Ma We	DB	Very silicified. Limonite along fractures	Ssi	
4141778	318750	5433600	77184	77190	WACKER	0.7	C	Lm	G-B	Very silicified. Possibly transported?	Ssi	
4141779	318725	5433600	77184	77190	WACKER	1.1	C-bdrck	Lm	LG-G	?Pyjama Siltstone	Ssi	
4141780	318700	5433600	77184	77190	WACKER	0.8	bedrock	Ma	LG-LB	Siltst and v fn gr sst with cubic voids after Py	Ssi Sss	Py
4141781	318675	5433600	77184	77190	WACKER	1.5	bedrock	Ma-Lm	G	Tr coarse gr Py in veins and pods	Ssi	Py
4141782	318650	5433600	77184	77190	WACKER	3.2	bedrock	Lm	LG-G		Ssi	
4141783	318625	5433600	77184	77190	WACKER	2.2	bedrock	Ma	G	Common fn Py along veins	Ssi	Py
4141784	318600	5433600	77184	77190	WACKER	2	bedrock	Lm-Ma	G	Micaceous	Ssi	
4141785	318575	5433600	77184	77190	WACKER	2.5	bedrock	Lm-Ba	W-G	Siltst and minor v fn gr qtz sst. Trace Py	Ssi	Py
4141786	318550	5433600	77184	77190	WACKER	3	bedrock	Lm	LG-DG		Ssi	
4141787	318525	5433600	77184	77190	WACKER	1.5	bedrock	Ba-Lm	W-DG	Micaceous. Some rotted root matter. Tr vein Py	Ssi	Py
4141788	318500	5433600	77184	77190	WACKER		bedrock	Lm	LB-DG		Ssi	
4141789	318475	5433600	77184	77190	WACKER	1.2	bedrock	Lm	W-G	Micaceous	Ssi	
4141790	318450	5433600	77184	77190	WACKER		bedrock	Lm	W-DG		Ssi	
4141791	318425	5433600	77184	77190	WACKER		C-bdrck	Lm	LG-DG	Lam siltst and minor v fn gr qtz sst	Ssi-Sss	
4141792	318400	5433600	77184	77190	WACKER		bedrock	Lm	LG-DG	Trace mica and coarse, spotty Py	Ssi	Py
4141793	318375	5433600	77184	77190	WACKER		C	Ma We	B-DB	Micaceous	Ssi	
4141794	318350	5433600	77184	77190	WACKER		C	Ma We	B-N	Micaceous	Ssi	
4141795	318325	5433600	77184	77190	WACKER		bedrock	Lm	OB-DG		Ssi	
4141796	318300	5433600	77184	77190	WACKER		bedrock	Lm	OB-DG		Ssi	
4141797	318150	5434000	77184	77190	WACKER		C-bdrck	Lm	G-DG	Micaceous	Ssi	
4141798	318175	5434000	77184	77190	WACKER		C-bdrck	Ma We	OB-DB	7mm layer/vein coarse sulphide	Ssi	Su
4141799	318200	5434000	77184	77190	WACKER		Trans-C	Lm	LG-G	Siltst with Ccy contamination	Ssi-Ccy	
4141800	318225	5434000	77184	77190	WACKER		C	Lm-Ma	LG-G		Ssi	
4141801	318250	5434000	77184	77190	WACKER		bedrock	Ma-Lm	G	Common vein Py	Ssi	Py

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Sample No.	AMGE	AMGN	DPO #1	DPO #2	Sample Type	Depth m	Horizon	Texture	Colour	Comments	Field ID	Mineralogy
4141802	318275	5434000	77184	77190	WACKER	1.5	bedrock	Lm	LG-G		Ssi	
4141803	318300	5434000	77184	77190	WACKER	1.5	bedrock	Ma	W-LG	V fn to fn gr qtz sst with silica cement ip	Sss	
4141804	318325	5434000	77184	77190	WACKER	2.5	bedrock	Lm-Bd	LG-DG	Tr Py	Ssl	Py
4141805	318350	5434000	77184	77190	WACKER	4	bedrock	Lm	LG-G	Py in bedding parallel veins(2-5%)	Ssi	Py
4141806	318375	5434000	77184	77190	WACKER	2	bedrock	Lm-Bd	LB-G	Siltst grading to v fn gr qtz sst	Ssi-Sss	
4141807	318400	5434000	77184	77190	WACKER		C-bdrck	Lm	LB-G		Ssi	
4141808	318425	5434000	77184	77190	WACKER	1.5	bedrock	Ma Ba	B-DG	Siltst grading to v fn gr qtz sst	Ssi-Sss	
4141809	318450	5434000	77184	77190	WACKER	1	C-bdrck	Ma We	OB-G	V fn gr qtz sst with arg matrix	Sss	
4141810	318475	5434000	77184	77190	WACKER	1	bedrock	Ma	OB-G		Ssl	
4141811	318500	5434000	77184	77190	WACKER	1	bedrock	Lm-Ma	DBG	Micaceous	Ssl	
4141812	318525	5434000	77184	77190	WACKER	1	C-bdrck	Lm-Ma	G-DBG		Ssi	
4141813	318550	5434000	77184	77190	WACKER	1	C-bdrck	Lm	LG-DG	Pyjama Siltstone	Ssi	
4141814	318575	5434000	77184	77190	WACKER	1	C-bdrck	Ma-Lm	G-DG		Ssi	
4141815	318600	5434000	77184	77190	WACKER	1	C	Ma-Lm	DB-G		Ssl	
4141816	318625	5434000	77184	77190	WACKER		C-bdrck	Ma	DB		Ssi	
4141817	318650	5434000	77184	77190	WACKER		C-bdrck	Lm	LB-G	Pyjama Siltstone	Ssi	
4141818	318675	5434000	77184	77190	WACKER		C	Ma	DB	Micaceous	Ssi	
4141819	318700	5434000	77184	77190	WACKER		Trans-B	Ma	DB	Micaceous clay with siltstone fragments	Ssi	
4141820	318725	5434000	77184	77190	WACKER		bedrock	Ma We	B-DB		Ssi	
4141821	318750	5434000	77184	77190	WACKER		Trans-B	Ma	OB-G	Clay with siltst and sst fragments	Cg-Ssi	
4141822	318775	5434000	77184	77190	WACKER		bedrock	Lm-Bd	LG-DG		Ssi	
4141823	318800	5434000	77184	77190	WACKER		bedrock	Lm-Ma	G-DG	Micaceous	Ssi	
4141824	318825	5434000	77184	77190	WACKER		Trans	Ma	GB	Sandy, gravelly clay	Ccy-Cg	
4141825	318850	5434000	77184	77190	WACKER		C	Ma We	B-DG	Common coarse vein Py (2%)	Ssi	Py
4141826	318875	5434000	77184	77190	WACKER		C-bdrck	Lm	W-DG	Siltst fragments in grey clay. Tr Py	Ssi	Py
4141827	318900	5434000	77184	77190	WACKER		bedrock	Ma	W-LG	V fn gr qtz sst grading to siltst	Sss	
4141828	318925	5434000	77184	77190	WACKER		bedrock	Lm	LG-DG	Micaceous ip. Tr Py	Ssi	Py
4141829	318950	5434000	77184	77190	WACKER		C	Ma We	W-DB	Arg siltst	Ssi	
4141830	318975	5434000	77184	77190	WACKER		bedrock	Ma	W-LGB	V fn to fn gr qtz sst and kaolinitic siltst	Sss Ssi	
4141831	319000	5434000	77184	77190	WACKER		bedrock	Ma	W	V fn gr, silica cemented, qtz sst	Sss	
4141832	319025	5434000	77184	77190	WACKER		bedrock	Ma	W	V fn gr, silica cemented, qtz sst	Sss	
4141833	319050	5434000	77184	77190	WACKER		bedrock	Ma	W-LG	V fn gr, silica cemented, qtz sst	Sss	
4141834	319075	5434000	77184	77190	WACKER		C	Ma We	LB-B	Some Cg contam	Ssl	
4141835	319100	5434000	77184	77190	WACKER		C	Ma-Lm	W-DB	Kaolinitic?	Ssi	

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Sample No.	Si *10-3	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Co ppm	Ni ppm	Au ppm	As ppm	Sn ppm	W ppm
4141329	0.07	2	-3	20	-1	1.21	102	-3	10	-0.001	0.8	8	-10
4141330	0.16	2	-3	8	-1	0.32	14	-3	-3	-0.001	0.5	14	-10
4141331	0.15	12	4	13	-1	0.54	69	-3	7	0.001	1.7	8	-10
4141332	0.05	65	24	12	-1	0.53	48	-3	8	-0.001	6.4	13	-10
4141333	0.04	9	5	12	-1	0.36	18	-3	6	-0.001	1	7	-10
4141334	0.06	8	23	747	-1	0.28	27	-3	4	0.001	0.7	9	-10
4141335	0.03	3	-3	19	-1	0.38	30	-3	-3	0.001	0.9	9	-10
4141336	0.11	4	3	17	-1	0.79	75	-3	3	-0.001	2	6	-10
4141337	0.09	3	-3	10	-1	0.53	57	-3	-3	-0.001	1.7	12	-10
4141338	0.05	6	-3	12	-1	0.79	110	-3	6	-0.001	1.1	-3	-10
4141339	0.14	5	-3	14	-1	0.82	151	-3	3	-0.001	0.6	7	-10
4141340	0.1	32	14	11	-1	0.72	72	36	13	0.001	83	4	-10
4141341	0.08	3	-3	8	-1	0.25	51	-3	-3	-0.001	1.1	5	-10
4141342	0.14	3	-3	8	-1	0.3	37	-3	-3	0.002	0.5	4	-10
4141343	0.15	3	-3	7	-1	0.29	33	-3	-3	0.001	1	7	-10
4141344		2	-3	6	-1	0.42	52	-3	-3	0.004	0.6	8	-10
4141345		4	-3	7	-1	0.24	12	-3	3	-0.001	0.6	5	-10
4141346		2	-3	8	-1	0.08	3	-3	-3	0.001	2.3	5	-10
4141347		4	-3	8	-1	0.38	18	-3	9	0.001	0.7	6	-10
4141348		3	-3	7	-1	0.22	13	-3	5	-0.001	-0.5	9	-10
4141349		3	-3	6	-1	0.22	9	-3	3	0.001	-0.5	5	-10
4141350		5	-3	6	-1	0.18	9	-3	-3	-0.001	0.6	-3	-10
4141351		3	-3	7	-1	0.23	28	-3	-3	0.001	-0.5	8	-10
4141352		12	-3	10	-1	0.33	21	3	4	0.001	3	8	-10
4141353		3	-3	8	-1	0.29	14	-3	3	0.004	1	6	-10
4141354		5	7	19	-1	0.57	39	-3	4	0.002	1.1	7	-10
4141355		13	-3	10	-1	0.58	107	-3	-3	0.002	1.3	10	-10
4141356		5	-3	12	-1	0.48	52	-3	4	0.004	1	12	-10
4141357		13	-3	18	-1	1.03	187	-3	5	0.002	2	10	-10
4141358		10	5	13	-1	0.43	58	-3	5	0.004	1.1	11	-10
4141359		6	3	19	-1	0.54	47	7	5	0.002	1.3	5	-10
4141360		5	-3	11	-1	0.38	39	-3	6	0.002	0.9	7	-10
4141361		18	4	12	-1	0.56	47	-3	10	0.004	2.3	8	-10
4141362		5	3	13	-1	0.38	25	-3	-3	0.002	2.4	10	-10

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4141363		4	-3	13	-1	0.62	132	-3	-3	0.002	0.7	14	15
4141364		6	6	15	-1	0.41	55	-3	-3	0.001	1.3	5	-10
4141365		4	-3	11	-1	0.32	24	-3	-3	0.001	0.6	6	-10
4141366		5	-3	39	-1	2.25	180	-3	11	0.002	3.3	10	-10
4141367		28	5	16	-1	0.9	59	-3	6	0.004	1.3	11	-10
4141382		5	21	18	-1	0.6	46	3	-3	0.001	2.6	-3	-10
4141383		3	4	11	-1	0.21	34	-3	-3	0.001	1	9	-10
4141384		2	-3	7	-1	0.2	9	-3	-3	-0.001	0.9	-3	-10
4141385		13	13	10	-1	0.44	17	3	-3	0.002	5.2	5	-10
4141386		56	16	12	-1	0.59	93	-3	3	0.001	1.1	10	-10
4141387		5	4	15	-1	0.8	91	-3	3	0.002	0.8	6	-10
4141388		8	5	8	-1	0.36	48	-3	4	0.002	1	6	-10
4141389		3	4	9	-1	0.25	42	-3	-3	0.004	0.5	4	-10
4141390		2	-3	9	-1	0.37	38	-3	-3	0.004	0.7	8	-10
4141391		3	-3	9	-1	0.3	18	-3	-3	0.004	0.7	9	-10
4141392		3	-3	7	-1	0.32	21	5	4	0.002	3.3	8	-10
4141393		2	-3	6	-1	0.16	8	-3	3	0.002	1.1	6	-10
4141397		3	-3	8	-1	0.36	86	-3	-3	0.004	0.8	7	-10
4141398		3	5	7	-1	0.67	116	-3	3	0.001	1.5	9	-10
4141399		7	-3	7	-1	0.7	232	-3	5	0.001	0.5	5	-10
4141400		46	9	9	-1	0.88	271	3	7	0.002	5.7	10	-10
4141401		8	5	8	-1	0.73	174	-3	9	0.002	1.4	6	15
4141402		4	-3	9	-1	0.58	97	-3	6	0.002	-0.5	6	10
4141479		5	5	16	-1	0.27	24	-3	9	0.002	2.6	4	-10
4141480		3	7	17	-1	0.19	14	-3	11	0.001	1.7	4	-10
4141481		3	6	8	-1	0.2	11	-3	-3	0.004	1.8	5	-10
4141482		21	3	9	-1	0.14	6	-3	-3	-0.001	2.1	6	-10
4141483		31	26	46	-1	3.22	105	13	17	0.006	11.3	8	-10
4141484		18	36	24	-1	1.17	93	3	10	-0.001	27.4	8	-10
4141485		60	29	57	-1	3.26	203	4	19	-0.001	6.4	6	-10
4141486		5	6	16	-1	0.88	126	-3	7	0.004	2.8	5	-10
4141487		10	10	17	-1	0.93	183	-3	3	0.002	5.1	9	-10
4141488		19	6	11	-1	1.29	58	10	21	0.006	3.7	10	-10
4141489		19	11	24	-1	1.08	189	4	20	0.004	7.5	11	-10

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4141490		48	97	81	-1	2.17	64	20	40	0.006	6.3	8	-10
4141491		23	1788	1845	2	2.04	38	29	50	0.004	9.2	9	-10
4141492		24	105	1100	-1	1.44	47	13	28		3.5	9	-10
4141493		25	89	242	-1	1.22	69	10	23	0.002	1.3	10	-10
4141494													
4141495		10	62	1058	-1	1.94	186	9	25	0.002	31.7	8	-10
4141496		13	197	305	-1	2.08	99	10	32	0.002	2	11	-10
4141497		17	36	120	-1	2.54	340	9	24	0.001	63	6	-10
4141498		3	15	59	-1	1.04	136	13	20	0.002	3.2	6	-10
4141499		3	6	12	-1	0.15	8	-3	17	0.002	6.1	-3	-10
4141500		3	4	10	-1	0.2	8	-3	9	0.004	1.6	-3	-10
4141501		5	7	113	-1	0.24	11	-3	13	0.002	0.9	6	-10
4141502		2	5	11	-1	0.17	5	-3	10	0.001	0.6	-3	-10
4141503		5	6	16	-1	0.15	5	-3	16	0.002	0.8	-3	-10
4141504		2	5	5	-1	0.16	5	-3	6	0.001	0.7	-3	-10
4141505		5	5	10	-1	0.52	33	-3	30		2.1	-3	-10
4141506		6	6	217	-1	0.87	83	-3	15		1.1	9	-10
4141507		10	25	36	-1	1.48	117	4	16	0.004	1.7	5	-10
4141508		2	7	16	-1	0.59	96	-3	9	0.011	0.8	12	-10
4141509		-2	4	10	-1	0.61	72	-3	7	0.004	5.2	7	-10
4141510		3	4	13	-1	0.78	47	-3	18		1.4	11	-10
4141511		27	11	414	-1	1.07	70	5	26		3	8	-10
4141512		2	44	95	-1	1.56	125	-3	11	0.001	8	5	-10
4141513		7	12	127	-1	0.97	83	3	13	0.006	8	4	-10
4141514		13	10	44	-1	1.29	107	11	23	0.002	23	5	-10
4141515		30	70	431	-1	1.87	104	32	29	0.004	47.9	10	-10
4141516		18	12	861	-1	0.74	37	-3	29	0.001	2.2		-
4141517		22	25	161	-1	1.76	149	9	22	0.001	9.3	5	-10
4141518		26	18	185	-1	2.04	219	7	22		10.8	7	-10
4141519		13	14	62	-1	1.5	124	8	16	0.001	36	6	-10
4141520		32	50	253	-1	1.93	154	13	28		15	8	-10
4141521		44	12	1450	-1	1.15	87	5	24		7.4	10	-10
4141522		12	7	22	-1	1.27	205	3	13	0.002	5.4	8	-10
4141523		16	10	24	-1	1.71	210	-3	15	0.002	5.7	7	-10

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Sample No.	Si *10-3	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Co ppm	Ni ppm	Au ppm	As ppm	Sn ppm	W ppm
4141524		15	14	49	-1	2.09	255	4	23	0.001	8.6	5	-10
4141525		12	7	17	-1	1.3	76	3	27		44.9	-3	-10
4141526		20	27	183	-1	1.17	175	8	20	0.002	6.2	-3	-10
4141527		23	64	35	-1	0.51	68	-3	11	0.001	5.5	7	-10
4141528		42	26	41	-1	1.56	114	7	19	0.001	28.7	11	-10
4141529		6	12	15	-1	0.75	59	-3	10	0.001	1.6	8	-10
4141530		2	-3	9	-1	0.51	30	-3	12	0.001	-0.5	7	-10
4141531		6	4	7	-1	0.28	33	-3	17	0.001	0.9	8	-10
4141532		9	51	68	1	0.53	71	-3	13	-0.001	5.8	4	-10
4141533		63	30	79	1	5.4	467	34	49	0.001	92	7	-10
4141534		3	4	14	1	0.43	77	4	10	0.002	6.7	7	-10
4141562		5	-3	11	-1	0.97	91	-3	9	-0.001	6.7	10	-10
4141563		-2	3	10	-1	0.55	72	-3	6	-0.001	3.7	14	-10
4141564		7	5	6	-1	0.47	67	-3	4	-0.001	1	12	-10
4141565		3	-3	13	-1	0.71	71	-3	7	-0.001	1.3	9	-10
4141566		2	3	8	-1	0.64	101	-3	9	-0.001	0.9	13	-10
4141567		24	3	23	-1	1.78	173	8	48	0.002	7.3	13	-10
4141605		7	12	8	-1	0.14	14	-3	14	-0.001	1.5	10	-10
4141606		8	16	19	-1	0.48	31	4	16	-0.001	1.6	7	-10
4141607		7	13	15	-1	0.61	37	-3	7	-0.001	0.9	12	-10
4141608		13	43	46	-1	1.3	146	5	11	0.001	8.6	6	-10
4141609		19	31	54	-1	1.95	179	5	23	-0.001	4.3	14	15
4141610		22	49	99	-1	2.29	257	5	19	-0.001	5	12	-10
4141689	0.22	18	35	65	-1	3.66	221	15	74	-0.001	33	-3	-10
4141690	0.11	14	23	20	-1	1.52	172	7	13	-0.001	9.1	6	-10
4141691	0.11	11	18	13	-1	0.71	42	4	9	-0.001	5	5	-10
4141692	0.15	20	25	27	-1	2.17	218	12	16	-0.001	18	-3	-10
4141693	0.16	31	24	37	-1	2.22	233	7	14	-0.001	11	10	-10
4141694	0.11	13	17	28	-1	1.68	212	10	16	-0.001	13	6	-10
4141695	0.14	28	23	58	-1	2.72	240	10	28	-0.001	12	-3	-10
4141696	0.14	74	22	12	-1	1.27	82	6	12	-0.001	8.9	-3	-10
4141697	0.42	22	27	23	-1	3.57	237	11	28	-0.001	5.9	5	-10
4141698	0.13	32	28	25	-1	3.11	202	10	25	0.002	11	6	-10
4141699	0.15	20	17	13	-1	1.56	155	-3	6	0.004	13	5	-10

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Sample No.	Si *10-3	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Co ppm	Ni ppm	Au ppm	As ppm	Sn ppm	W ppm
4141700	0.09	5	13	4	-1	0.13	13	-3	5	-0.001	2.2	4	-10
4141701	0.63	6	17	6	-1	0.33	26	4	9	0.002	1.2	-3	-10
4141702	0.26	15	21	16	-1	3.72	689	3	20	0.001	3.9	-3	-10
4141703	0.11	5	15	7	-1	0.63	133	-3	12	0.002	2.6	-3	-10
4141704	0.13	14	19	28	-1	2.52	494	-3	34	-0.001	2.2	6	-10
4141705	0.12	26	25	19	-1	2.03	149	8	26	0.002	14	5	-10
4141706	0.12	6	21	12	-1	1.57	108	-3	20	0.002	1.6	-3	-10
4141707	0.12	15	22	8	-1	0.51	47	4	21	0.002	7.9	6	-10
4141708	0.13	13	23	16	-1	1.94	330	8	20	0.002	23	7	-10
4141709	0.17	8	26	15	-1	4.05	814	7	23	0.001	16	-3	-10
4141710	0.09	4	13	6	-1	0.63	54	-3	6	0.002	1.6	5	-10
4141711	0.13	16	20	11	-1	1.25	93	4	7	0.002	2.7	5	-10
4141712	0.15	48	31	21	-1	2.27	201	7	18	0.002	12	5	-10
4141713	0.2	20	35	72	1	5.3	741	7	21	0.004	2.1	-3	-10
4141714	0.23	32	80	21	-1	4.35	228	6	20	0.002	20	-3	-10
4141715	0.24	59	25	22	-1	3.83	259	18	41	-0.001	19	5	-10
4141716	0.2	30	30	30	-1	3.69	317	9	24	0.001	11	-3	-10
4141717	0.19	13	22	24	-1	3.54	309	6	17	-0.001	4.2	8	-10
4141718	0.17	15	71	58	-1	3.07	352	6	14	-0.001	7	-3	-10
4141719	0.09	3	19	14	-1	1.52	189	-3	12	0.001	10	6	-10
4141720	0.09	3	18	14	-1	1.79	196	4	13	0.002	3.3	-3	-10
4141721	0.06	70	33	4	-1	0.38	46	4	5	-0.001	16	5	-10
4141722	0.13	2	15	8	-1	1.18	153	-3	5	0.002	3.8	7	-10
4141723	0.11	5	16	26	-1	0.32	24	-3	7	0.001	2.5	4	-10
4141724	0.08	2	12	4	-1	0.17	12	-3	3	0.001	1.9	6	-10
4141725	0.1	2	12	3	-1	0.19	18	-3	5	-0.001	2	4	-10
4141726	0.29	3	13	3	-1	0.24	7	-3	17	-0.001	2.1	-3	-10
4141727	0.12	2	14	2	-1	0.21	5	-3	12	-0.001	1.7	9	-10
4141728	0.13	3	12	37	-1	0.08	5	-3	10	-0.001	1.9	-3	-10
4141729	0.07	3	8	4	-1	0.13	3	4	7	-0.001	2.1	-3	-10
4141730	0.05	7	16	4	-1	0.91	62	4	10	-0.001	5	9	-10
4141731	0.04	3	14	3	-1	0.18	9	-3	-3	-0.001	10	5	-10
4141732	0.07	15	22	11	-1	0.63	42	8	20	-0.001	12	-3	-10
4141733	0.32	3	12	8	-1	0.16	8	-3	18	-0.001	1.3	4	-10

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4141734	0.11	12	12	39	-1	2.28	228	7	19	-0.001	24	7	-10
4141735	0.1	19	6	11	-1	0.57	37	7	11	-0.001	12	8	-10
4141736	0.11	3	9	9	-1	0.31	20	-3	13	-0.001	0.9	-3	-10
4141737	0.13	2	11	5	-1	0.13	14	3	12	-0.001	0.9	-3	-10
4141738	0.18	3	8	6	-1	0.09	15	-3	9	-0.001	9.2	-3	-10
4141739	0.11	2	14	27	-1	0.56	86	3	7	-0.001	2	7	-10
4141740	0.21	4	15	14	-1	1.2	189	5	14	-0.001	2.5	6	-10
4141741	0.09	47	30	16	-1	1.99	214	15	29	-0.001	18	7	-10
4141742	0.17	12	21	35	-1	2.9	362	6	23	-0.001	16	5	-10
4141743	0.13	16	20	36	-1	3.49	344	6	25	-0.001	9.7	-3	-10
4141744	0.12	23	16	40	-1	2.45	360	-3	17	-0.001	6.9	5	-10
4141745	0.16	24	14	30	-1	2.84	268	4	18	-0.001	17	4	-10
4141746	0.16	27	11	28	-1	2.92	284	9	35	-0.001	16	5	-10
4141747	0.16	12	15	22	-1	2.82	369	5	25	-0.001	40	8	-10
4141748	0.19	8	15	17	-1	1.73	224	-3	15	-0.001	9.6	8	-10
4141749	0.14	4	15	22	-1	2.11	336	-3	15	-0.001	0.5	6	-10
4141750	0.13	9	16	14	-1	2.26	304	6	24	-0.001	4.5	-3	-10
4141751	0.08	4	16	7	-1	0.17	40	-3	9	0.002	-0.5	-3	-10
4141752	0.15	24	30	11	-1	1.35	122	15	33	0.004	20	-3	-10
4141753	0.24	15	15	14	-1	1.02	126	-3	17	-0.001	1.1	6	-10
4141754	0.07	8	31	20	-1	1.28	157	-3	18	0.001	4.3	6	-10
4141755	0.14	20	21	18	-1	1.93	246	13	27	0.004	20	7	-10
4141756	0.13	9	17	21	-1	2.03	265	-3	25	0.002	4.8	7	-10
4141757	0.13	5	33	28	-1	2.06	306	-3	15	-0.001	3.8	4	-10
4141758	0.16	22	19	19	-1	3.37	188	15	25	0.004	24	6	-10
4141759	0.09	25	20	17	-1	1.35	117	-3	8	-0.001	8.6	6	-10
4141760	0.07	82	18	10	-1	0.61	47	-3	10	0.002	8.3	4	-10
4141761	0.11	4	11	7	-1	0.7	55	-3	6	0.004	1.3	9	-10
4141762	0.04	13	19	8	-1	0.4	23	4	11	0.001	14	5	-10
4141763	0.11	9	16	13	-1	1.15	121	-3	15	0.004	4.5	6	-10
4141764	0.13	5	14	24	-1	1.92	205	-3	12	-0.001	16	6	-10
4141765	0.07	21	42	61	-1	1.66	42	5	23	0.001	21	-3	-10
4141766	0.13	13	25	35	-1	1.76	124	12	20	-0.001	-0.5	-3	-10
4141767	0.07	9	13	6	-1	0.38	47	-3	11	-0.001	3.5	-3	-10

Soil and Wacker Bedrock Samples
Nelson Prospect
EL 18/92

Sample No.	Si *10-3	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Co ppm	Ni ppm	Au ppm	As ppm	Sn ppm	W ppm
4141768	0.07	5	10	10	-1	0.42	96	-3	9	-0.001	8.7	7	-10
4141769	0.06	4	14	13	-1	1.02	96	-3	5	-0.001	1.1	5	-10
4141770	0.12	8	9	26	-1	2.06	125	4	13	-0.001	4.6	7	-10
4141771	0.15	15	16	19	-1	0.97	135	-3	12	-0.001	6.3	6	-10
4141772	0.11	12	55	124	-1	2.08	171	11	23	-0.001	18	7	-10
4141773	0.14	19	18	81	-1	1.24	94	8	18	-0.001	19	-3	-10
4141774	0.14	5	11	29	-1	1.55	105	-3	16	-0.001	0.9	5	-10
4141775	0.11	3	10	41	-1	2.3	162	-3	15	-0.001	-0.5	4	-10
4141776	0.09	7	6	29	-1	1.37	103	8	14	-0.001	-0.5	6	-10
4141777	0.08	7	12	31	-1	1.46	113	-3	12	0.001	-0.5	8	-10
4141778	0.08	15	14	29	-1	1.38	118	-3	12	0.001	6	7	-10
4141779	0.11	31	12	22	-1	1.25	101	-3	9	-0.001	6.3	6	-10
4141780	0.15	7	10	57	-1	2.72	345	-3	7	-0.001	5.4	4	-10
4141781	0.09	14	11	25	-1	1.06	86	-3	11	-0.001	10	5	-10
4141782	0.17	17	28	45	-1	1.7	138	7	14	-0.001	15	7	-10
4141783	0.21	44	98	472	-1	3.52	159	25	33	0.002	42	5	-10
4141784	0.12	7	12	80	-1	2.25	203	-3	14	-0.001	4.5	4	-10
4141785	0.12	19	16	49	-1	3.1	241	22	38	-0.001	45	4	-10
4141786	0.18	30	32	66	-1	2.55	197	7	19	-0.001	2.4	5	-10
4141787	0.08	20	17	80	-1	2.49	119	20	35	-0.001	65	6	-10
4141788	0.08	52	18	47	-1	1.76	167	6	15	0.001	33	5	-10
4141789	0.08	2	14	12	-1	0.67	149	-3	6	-0.001	4.5	7	-10
4141790	0.15	19	18	35	-1	2.48	191	7	12	-0.001	8.7	7	-10
4141791	0.05	13	14	11	-1	0.59	38	-3	7	-0.001	5.1	6	-10
4141792	0.09	13	15	46	-1	2.92	129	10	39	-0.001	14	9	-10
4141793	0.12	23	17	28	-1	1.31	107	8	25	-0.001	37	5	-10
4141794	0.12	40	30	13	-1	0.82	119	-3	12	-0.001	13	8	-10
4141795	0.11	4	13	18	-1	0.67	175	3	9	-0.001	2.8	5	-10
4141796	0.11	3	15	12	-1	0.78	233	9	16	0.002	26	6	-10
4141797	0.17	-2	10	17	-1	1.33	166	-3	13	0.004	4.6	7	-10
4141798	0.3	63	26	92	-1	11.7	612	31	245	0.004	50	8	-10
4141799	0.1	-2	12	14	-1	0.86	44	-3	-3	0.001	5.8		
4141800	0.1	-2	7	12	-1	1.25	131	-3	6	-0.001	1.9	6	-10
4141801	0.11	15	13	11	-1	1.19	96	4	9	0.002	10	10	-10

Soil and Wacker Bedrock Samples
Nelson Prospect
EL 18/92

Sample No.	Si *10-3	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	Mn ppm	Co ppm	Ni ppm	Au ppm	As ppm	Sn ppm	W ppm
4141802	0.12	12	11	16	-1	1.42	272	-3	11	-0.001	4.4	7	-10
4141803	0.1	8	28	46	-1	1.53	200	-3	6	-0.001	2.9	-3	-10
4141804	0.19	25	18	63	-1	2.44	169	14	27	0.011	10	7	-10
4141805	0.09	49	30	68	-1	2.42	19	28	31	0.004	34	6	-10
4141806	0.15	26	21	134	-1	4.52	123	66	88	-0.001	39	5	-10
4141807	0.12	53	47	50	-1	1.07	106	-3	16	-0.001	8	8	-10
4141808	0.3	19	26	110	-1	1.4	145	10	29	-0.001	18	5	-10
4141809	0.1	8	21	18	-1	0.57	82	4	8	-0.001	4.7	4	-10
4141810	0.09	10	13	28	-1	0.94	97	5	17	0.001	3.8	6	-10
4141811	0.11	22	51	115	-1	1.53	163	7	10	-0.001	5.9	7	-10
4141812	0.1	6	13	11	-1	0.64	107	3	8	0.01	2	9	-10
4141813	0.13	44	30	20	-1	1.34	92	6	11	0.001	6.5	7	-10
4141814	0.1	4	10	14	-1	1.64	96	5	10	-0.001	4.3	10	-10
4141815	0.06	4	28	21	-1	0.59	100	-3	12	-0.001	2.8	7	-10
4141816	0.12	25	47	29	-1	1.68	110	6	21	-0.001	6.7	11	-10
4141817	0.06	-2	10	12	-1	0.54	19	-3	7	0.004	2.4	7	-10
4141818	0.05	109	864	17	-1	0.62	10	4	11	-0.001	20	-3	-10
4141819	0.07	43	70	21	-1	1.01	35	7	16	-0.001	17	-3	-10
4141820	0.1	2	10	32	-1	1.02	70	6	8	-0.001	2.1	8	-10
4141821	0.07	3	14	12	-1	0.39	63	7	5	0.001	1.9	7	-10
4141822	0.12	-2	13	11	-1	0.7	117	3	11	-0.001	2.1	10	-10
4141823	0.09	-2	10	10	-1	0.46	54	5	5	0.001	1.4	8	-10
4141824	0.08	5	9	6	-1	0.18	7	3	9	-0.001	-0.5	10	-10
4141825	0.09	16	12	11	-1	0.74	10	8	10	0.001	15	11	-10
4141826	0.13	5	10	7	-1	0.53	39	-3	7	-0.001	-0.5	12	-10
4141827	0.18	4	8	7	-1	0.37	23	-3	14	0.001	-0.5	6	20
4141828	0.27	43	18	12	-1	3.25	370	6	19	-0.001	8.7	6	10
4141829	0.09	3	16	6	-1	0.44	111	-3	7	-0.001	5.7	9	-10
4141830	0.11	2	13	6	-1	0.35	76	-3	7	-0.001	3	7	-10
4141831	0.16	5	9	5	-1	2.24	56	-3	13	-0.001	5.1	8	-10
4141832	0.06	10	12	6	-1	0.3	15	-3	8	-0.001	3.9	5	-10
4141833	0.22	3	7	2	-1	0.16	27	-3	6	-0.001	3.9	10	-10
4141834	0.07	-2	11	5	-1	0.42	79	-3	8	0.001	1.7	10	-10
4141835	0.1	-2	15	7	-1	0.49	68	-3	6	-0.001	1.7	10	-10



CRA EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

A.C.N. 000 057 125

★ DPO No.: 81227

Head Office: 55 Collins Street, Melbourne, Vic.
DESPATCH ADVICE, PACKING SLIP & ORDER

DISTRICT OFFICE COPY

★ From CRAE office at: 1/23 Bell Street
PRESTON 3072 ★ Date: 31/1/95
★ To Laboratory: ANALABS
★ Lab. address: 14 Thirkell Street
Coee Tas 7320
★ No. of samples: 180 189

★ 1:250000 sheet(s): Burnie SK55-3
★ Investigation: NW Tasmania Cu
★ Tenement: EL4/94, EL18/92
Complete on District, CIS & File copies only

COPIES OF THE RESULTS REPORT TO BE FORWARDED TO CRA EXPLORATION PTY LIMITED AT:

- P.O. Box 8093, Northlane Centre 2072
 - As above
 - PO Box 3709, Manuka ACT 2603 Australia
Attention: CRAE Information Systems
- Attn: McDonnelly
Attn: C. Hayward WITH THE INVOICE

Samples despatched per Delivered
Addressed ANALABS
As above
★ Return residues to: Send 100g split to CRAE Queensland
Return to CRAE Preston.

QUOTE DPO NUMBER ON ALL REPORTS AND INVOICE.

Copy of (for CRAE laboratory only):
 Sample location plan attached
 Sample ledger attached

Samples			Work Required
Start No.	End No.	Qty	
4141302	4141307	6	<p><u>SAMPLE TYPE: SOILS</u></p> <p>Please dry and pulverise.</p> <p>Assay for</p> <p>Ag, Co, Cu, Ni, Pb, Zn, Fe, Mn by Aqua Regia/ Perchloric Acid digest / IAS finish (GA140)</p> <p>As by hydride generation / IAS (GA114)</p> <p>Au by Fire assay / Carbon rod (GS326)</p> <p>PLEASE NOTE: SAMPLES ARE IN PLASTIC BAGS</p>
	4141309	1	
4141314	4141318	165	
4142201	4142207	197	<p><u>SAMPLE TYPE: ROCK</u></p> <p>Please dry, crush & pulverise.</p> <p>Assay for</p> <p>Ag, Co, Cu, Ni, Pb, Zn, Fe, Mn by IAS (GA140)</p> <p>As by hydride / IAS (GA140)</p> <p>Au by fire assay / IAS (GS313)</p>

IMPORTANT — Each sample type must be entered separately with the following clearly shown:

- Appropriate sample type.
- Assay methods.
- Laboratory method codes.
- Preassay treatment.
- Any special assay requirements.
- Elements/minerals to be determined.

Cost code(s) G02141-CN 68% 3920
G02136-CN 32% Authorised by McDonnelly

74200



742059

Phone (004) 316837

14 Thirkell St. COOEE TAS 7320

Fax (004) 318890

ANALYTICAL REPORT No.

104165.60.10693

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

CRA Exploration Pty Limited
 P.O. Box 8093
 NORTHLAND CENTRE VIC 3072

ORDER No.

PROJECT

81227

DATE RECEIVED

RESULTS REQUIRED

03/02/95

ASAP

No. OF PAGES
OF RESULTSDATE
REPORTEDNo.
OF COPIESTOTAL No.
OF SAMPLES

16

- 22/02/95

1

189

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

4141302-307,4141309,
4141314-478,4142201-217

SR Prep : 6P031,6P033

Cu,Pb,Zn,Ag,Fe,Mn,Co,Ni/GA140
 Fe(1)/GA140
 As/HA140,As/GA140
 Au/66313
 Au,Au(R)/66326

RESULTS
TO

M Donnelly
 CRA Exploration Pty Ltd
 P O Box 8093
 NORTHLAND CENTRE VIC 3072

RESULTS
TO

Mr C Hayward
 CRA Exploration Pty Limited
 P.O. Box 8093
 NORTHLAND CENTRE VIC 3072
 (02) 36 - CN - 1681 145578

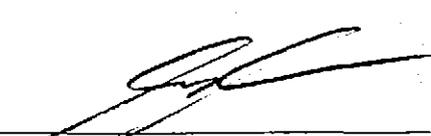
RESULTS
TO

CRAE Information Systems
 P.O. Box 3709
 MANUKA ACT 2603

REMARKS

Fe(1)/GA140 results are over the
 recommended analytical range.

T: 455 578


 AUTHORISED OFFICER



ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

PAGE

104165.60.10693

21/02/95

81227

1 OF 16

METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
		GA140								
1	4141302	6	<3	17	<1	0.63	-	56	<3	35
2	4141303	3	4	17	<1	0.48	-	38	<3	3
3	4141304	4	<3	18	<1	0.39	-	25	<3	3
4	4141305	4	4	15	<1	0.45	-	38	<3	7
5	4141306	2	<3	6	<1	0.24	-	23	<3	3
6	4141307	9	18	10	<1	0.53	-	25	<3	6
7	4141309	<2	3	14	<1	0.49	-	52	<3	<3
8	4141314	2	<3	16	<1	0.74	-	103	<3	<3
9	4141315	2	<3	34	<1	1.70	-	267	<3	3
10	4141316	17	9	45	<1	2.80	-	543	4	12
11	4141317	4	<3	17	<1	0.49	-	55	<3	4
12	4141318	13	<3	13	<1	0.59	-	71	3	6
13	4141319	45	30	10	<1	0.46	-	76	<3	6
14	4141320	11	9	10	<1	0.36	-	46	<3	5
15	4141321	15	3	16	<1	0.51	-	32	<3	5
16	4141322	17	14	15	<1	0.43	-	53	3	3
17	4141323	51	41	13	<1	0.41	-	37	<3	<3
18	4141324	4	5	25	<1	1.04	-	83	<3	5
19	4141325	8	7	14	<1	0.32	-	14	<3	<3
20	4141326	6	106	13	<1	0.53	-	63	<3	<3
21	4141327	6	4	10	<1	0.36	-	31	<3	<3
22	4141328	2	<3	8	<1	0.29	-	13	<3	<3
23	4141329	2	<3	20	<1	1.21	-	102	<3	10
24	4141330	2	<3	8	<1	0.32	-	14	<3	<3
25	4141331	12	4	13	<1	0.54	-	69	<3	7

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

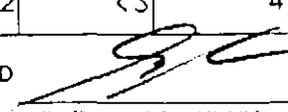
SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

SAMPLE PREFIX		REPORT No.				REPORT DATE		CLIENT ORDER No.		PAGE	
		104165.60.10693				21/02/95		81227		2 OF 16	
METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni	
		GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	
1	4141332	65	24	12	<1	0.53	-	48	<3	8	
2	4141333	9	5	12	<1	0.36	-	18	<3	6	
3	4141334	8	23	747	<1	0.28	-	27	<3	4	
4	4141335	3	<3	19	<1	0.38	-	30	<3	<3	
5	4141336	4	3	17	<1	0.79	-	75	<3	3	
6	4141337	3	<3	10	<1	0.53	-	57	<3	<3	
7	4141338	6	<3	12	<1	0.79	-	110	<3	6	
8	4141339	5	<3	14	<1	0.82	-	151	<3	3	
9	4141340	32	14	11	<1	0.72	-	72	36	13	
10	4141341	3	<3	8	<1	0.25	-	51	<3	<3	
11	4141342	3	<3	8	<1	0.30	-	37	<3	<3	
12	4141343	3	<3	7	<1	0.29	-	33	<3	<3	
13	4141344	2	<3	6	<1	0.42	-	52	<3	<3	
14	4141345	4	<3	7	<1	0.24	-	12	<3	3	
15	4141346	2	<3	8	<1	0.08	-	3	<3	<3	
16	4141347	4	<3	8	<1	0.38	-	18	<3	9	
17	4141348	3	<3	7	<1	0.22	-	13	<3	5	
18	4141349	3	<3	6	<1	0.22	-	9	<3	3	
19	4141350	5	<3	6	<1	0.18	-	9	<3	<3	
20	4141351	3	<3	7	<1	0.23	-	28	<3	<3	
21	4141352	12	<3	10	<1	0.33	-	21	3	4	
22	4141353	3	<3	8	<1	0.29	-	14	<3	3	
23	4141354	5	7	19	<1	0.57	-	39	<3	4	
24	4141355	13	<3	10	<1	0.58	-	107	<3	<3	
25	4141356	5	<3	12	<1	0.48	-	52	<3	4	

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX REPORT No REPORT DATE CLIENT ORDER No PAGE

104165.60.10693 21/02/95 81227 3 OF 16

	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141357	13	<3	18	<1	1.03	-	187	<3	5
2	4141358	10	5	13	<1	0.43	-	58	<3	5
3	4141359	6	3	19	<1	0.54	-	47	7	5
4	4141360	5	<3	11	<1	0.38	-	39	<3	6
5	4141361	18	4	12	<1	0.56	-	47	<3	10
6	4141362	5	3	13	<1	0.38	-	25	<3	<3
7	4141363	4	<3	13	<1	0.62	-	132	<3	<3
8	4141364	6	6	15	<1	0.41	-	55	<3	<3
9	4141365	4	<3	11	<1	0.32	-	24	<3	<3
10	4141366	5	<3	39	<1	2.25	-	180	<3	11
11	4141367	28	5	16	<1	0.90	-	59	<3	6
12	4141368	4	<3	11	<1	0.43	-	31	<3	4
13	4141369	3	<3	12	<1	0.34	-	25	<3	<3
14	4141370	4	4	14	<1	0.36	-	13	<3	3
15	4141371	6	5	13	<1	0.59	-	68	<3	3
16	4141372	11	6	11	<1	0.41	-	47	3	3
17	4141373	19	8	23	<1	0.66	-	42	3	5
18	4141374	6	24	41	<1	1.67	-	150	<3	<3
19	4141375	4	9	17	<1	0.53	-	35	<3	3
20	4141376	5	4	19	<1	0.54	-	41	3	3
21	4141377	10	126	94	<1	1.01	-	73	<3	5
22	4141378	4	4	12	<1	0.55	-	29	<3	5
23	4141379	4	29	27	<1	0.74	-	92	<3	4
24	4141380	2	5	23	<1	0.79	-	74	4	<3
25	4141381	3	3	15	<1	0.47	-	40	<3	3

Results in ppm unless otherwise specified
-- = element not determinedIS = insufficient sample
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	SAMPLE No	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141382	5	21	18	<1	0.60	-	46	3	<3
2	4141383	3	4	11	<1	0.21	-	34	<3	<3
3	4141384	2	<3	7	<1	0.20	-	9	<3	<3
4	4141385	13	13	10	<1	0.44	-	17	<3	<3
5	4141386	56	16	12	<1	0.59	-	93	<3	3
6	4141387	5	4	15	<1	0.80	-	91	<3	3
7	4141388	8	5	8	<1	0.36	-	48	<3	4
8	4141389	3	4	9	<1	0.25	-	42	<3	<3
9	4141390	2	<3	9	<1	0.37	-	38	<3	<3
10	4141391	3	<3	9	<1	0.30	-	18	<3	<3
11	4141392	3	<3	7	<1	0.32	-	21	5	4
12	4141393	2	<3	6	<1	0.16	-	8	<3	3
13	4141394	11	20	42	<1	1.50	-	96	<3	4
14	4141395	6	5	16	<1	0.73	-	55	<3	<3
15	4141396	5	<3	12	<1	0.55	-	67	<3	3
16	4141397	3	<3	8	<1	0.36	-	86	<3	<3
17	4141398	3	5	7	<1	0.67	-	116	<3	3
18	4141399	7	<3	7	<1	0.70	-	232	<3	5
19	4141400	46	9	9	<1	0.88	-	271	3	7
20	4141401	8	5	8	<1	0.73	-	174	<3	9
21	4141402	4	<3	9	<1	0.58	-	97	<3	6
22	4141403	101	30	32	<1	1.06	-	104	3	10
23	4141404	8	15	19	<1	0.61	-	72	<3	4
24	4141405	4	5	11	<1	0.77	-	34	<3	9
25	4141406	3	3	13	<1	0.54	-	43	<3	5

Results in ppm unless otherwise specified
- = element not determinedIS = insufficient sample
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141407	5	5	23	<1	2.87	-	135	<3	7
2	4141408	7	<3	11	<1	0.51	-	68	<3	10
3	4141409	5	6	15	<1	2.69	-	59	<3	3
4	4141410	6	13	61	<1	4.06	-	387	4	16
5	4141411	6	5	19	<1	1.54	-	69	<3	5
6	4141412	7	3	13	<1	1.38	-	68	<3	7
7	4141413	6	5	16	<1	2.30	-	56	<3	7
8	4141414	5	<3	16	<1	1.36	-	51	<3	8
9	4141415	10	8	24	<1	2.26	-	61	<3	3
10	4141416	17	32	30	<1	4.98	-	58	<3	5
11	4141417	14	11	28	<1	2.50	-	59	<3	8
12	4141418	8	37	17	<1	2.28	-	60	<3	8
13	4141419	8	20	24	<1	4.60	-	56	<3	5
14	4141420	5	4	7	<1	1.26	-	21	<3	<3
15	4141421	6	4	10	<1	1.94	-	35	<3	3
16	4141422	5	4	12	<1	1.56	-	23	<3	10
17	4141423	7	<3	17	<1	2.24	-	106	<3	6
18	4141424	4	3	7	<1	0.29	-	11	<3	6
19	4141425	3	<3	7	<1	0.21	-	9	<3	11
20	4141426	3	<3	9	<1	0.34	-	9	<3	5
21	4141427	2	5	13	<1	0.68	-	85	<3	3
22	4141428	3	8	12	<1	0.43	-	30	<3	10
23	4141429	3	7	13	<1	0.55	-	31	<3	10
24	4141430	3	4	13	<1	0.67	-	81	<3	9
25	4141431	3	<3	14	<1	0.54	-	63	<3	12

Results in ppm unless otherwise specified
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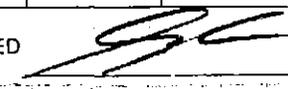
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141432	3	<3	18	<1	0.57	-	54	<3	10
2	4141433	6	<3	13	<1	0.49	-	49	<3	13
3	4141434	8	8	23	<1	-	7.8	86	<3	3
4	4141435	20	33	17	<1	3.30	-	56	3	3
5	4141436	12	8	21	<1	4.54	-	90	<3	6
6	4141437	9	22	23	<1	-	5.2	277	3	6
7	4141438	13	9	22	<1	-	6.3	259	<3	5
8	4141439	5	3	12	<1	0.43	-	16	<3	7
9	4141440	7	5	14	<1	0.58	-	25	3	15
10	4141441	4	<3	28	<1	1.21	-	68	<3	8
11	4141442	7	<3	15	<1	0.37	-	13	3	5
12	4141443	6	<3	4	<1	0.32	-	6	<3	10
13	4141444	2	<3	15	<1	0.78	-	71	3	6
14	4141445	2	<3	19	<1	0.28	-	10	<3	5
15	4141446	28	4	108	<1	1.42	-	38	6	21
16	4141447	4	4	9	<1	0.27	-	8	4	21
17	4141448	3	3	10	<1	0.59	-	11	3	9
18	4141449	<2	<3	13	<1	0.63	-	25	<3	5
19	4141450	2	<3	5	<1	0.35	-	34	<3	14
20	4141451	2	<3	70	<1	0.38	-	58	4	11
21	4141452	2	<3	11	<1	0.50	-	75	3	20
22	4141453	2	<3	3	<1	0.16	-	20	<3	12
23	4141454	<2	<3	<2	<1	0.13	-	14	<3	9
24	4141455	3	<3	4	<1	0.59	-	37	<3	16
25	4141456	2	3	44	<1	0.45	-	38	<3	6

Results in ppm unless otherwise specified
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141457	2	<3	7	<1	0.19	-	31	<3	10
2	4141458	<2	<3	5	<1	0.19	-	20	<3	16
3	4141459	2	<3	7	<1	0.34	-	23	4	13
4	4141460	2	<3	7	<1	0.53	-	28	<3	12
5	4141461	5	6	31	<1	2.19	-	78	<3	19
6	4141462	3	<3	20	<1	2.80	-	162	3	17
7	4141463	2	<3	10	<1	-	6.1	42	<3	5
8	4141464	2	<3	5	<1	1.95	-	107	<3	11
9	4141465	2	4	21	<1	0.78	-	94	<3	19
10	4141466	5	<3	22	<1	3.09	-	31	<3	11
11	4141467	3	4	11	<1	3.13	-	64	<3	14
12	4141468	6	<3	12	<1	-	5.3	55	<3	7
13	4141469	14	<3	9	<1	2.71	-	34	<3	7
14	4141470	9	<3	14	<1	4.63	-	53	<3	<3
15	4141471	5	<3	15	<1	3.67	-	17	<3	6
16	4141472	7	3	12	<1	1.75	-	9	<3	13
17	4141473	2	5	13	<1	1.07	-	23	<3	9
18	4141474	6	3	19	<1	2.55	-	48	<3	10
19	4141475	3	4	24	<1	0.66	-	43	<3	13
20	4141476	2	4	25	<1	1.19	-	73	<3	11
21	4141477	24	32	24	<1	0.61	-	41	<3	22
22	4141478	7	5	19	<1	1.12	-	36	<3	8
23	4142201	9	<3	5	<1	0.66	-	38	<3	5
24	4142202	9	<3	4	<1	0.55	-	37	<3	5
25	4142203	30	17	41	<1	2.31	-	146	3	<3

Results in ppm unless otherwise specified
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4142204	16	4	16	<1	0.68	-	68	<3	4
2	4142205	3	5	9	<1	0.62	-	77	<3	<3
3	4142206	12	18	13	<1	2.46	-	80	<3	<3
4	4142207	19	8	15	<1	1.98	-	75	<3	4
5	4142208	5	<3	8	<1	1.08	-	69	<3	6
6	4142209	11	4	4	<1	0.30	-	21	<3	5
7	4142210	12	6	83	<1	4.19	-	514	11	18
8	4142211	14	4	19	<1	0.99	-	332	4	11
9	4142212	31	3	24	<1	1.12	-	84	<3	6
10	4142213	10	6	10	<1	0.76	-	79	<3	<3
11	4142214	9	<3	5	<1	0.33	-	28	<3	5
12	4142215	13	<3	25	<1	-	5.7	438	4	11
13	4142216	2	<3	37	<1	-	22.7	652	<3	<3
14	4142217	6	12	14	<1	-	15.3	2674	10	<3
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	2	3	2	1	0.01	0.1	3	3	3
25	UNITS	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm

Results in ppm unless otherwise specified
 -- = element not determined

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	SAMPLE No	Au	Au (R)	Au	As	As				
METHOD		GG326	GG326	GG313	HA140	GA140				
1	4141302	0.001	-	-	1.1	-				
2	4141303	0.002	-	-	0.5	-				
3	4141304	0.002	-	-	1.3	-				
4	4141305	0.002	-	-	4.7	-				
5	4141306	<0.001	-	-	1.1	-				
6	4141307	0.001	-	-	1.7	-				
7	4141309	0.002	-	-	0.8	-				
8	4141314	<0.001	-	-	1.4	-				
9	4141315	<0.001	-	-	0.9	-				
10	4141316	0.004	-	-	2.7	-				
11	4141317	0.004	-	-	1.0	-				
12	4141318	0.001	0.001	-	1.9	-				
13	4141319	<0.001	-	-	1.4	-				
14	4141320	0.001	-	-	0.6	-				
15	4141321	<0.001	-	-	1.2	-				
16	4141322	<0.001	-	-	1.4	-				
17	4141323	<0.001	-	-	1.4	-				
18	4141324	<0.001	-	-	1.0	-				
19	4141325	0.001	-	-	1.0	-				
20	4141326	<0.001	-	-	2.2	-				
21	4141327	<0.001	-	-	1.5	-				
22	4141328	0.001	-	-	0.6	-				
23	4141329	<0.001	-	-	0.8	-				
24	4141330	<0.001	-	-	0.5	-				
25	4141331	0.001	-	-	1.7	-				

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METHOD	SAMPLE No.	Au	Au (R)	Au	As	As				
		GG326	GG326	GG313	HA140	GA140				
1	4141332	<0.001	-	-	6.4	-				
2	4141333	<0.001	-	-	1.0	-				
3	4141334	0.001	-	-	0.7	-				
4	4141335	0.001	-	-	0.9	-				
5	4141336	<0.001	-	-	2.0	-				
6	4141337	<0.001	-	-	1.7	-				
7	4141338	<0.001	-	-	1.1	-				
8	4141339	<0.001	-	-	0.6	-				
9	4141340	0.001	-	-	-	83				
10	4141341	<0.001	-	-	1.1	-				
11	4141342	0.002	0.004	-	0.5	-				
12	4141343	0.001	-	-	1.0	-				
13	4141344	0.004	-	-	0.6	-				
14	4141345	<0.001	-	-	0.6	-				
15	4141346	0.001	-	-	2.3	-				
16	4141347	0.001	-	-	0.7	-				
17	4141348	<0.001	-	-	<0.5	-				
18	4141349	0.001	-	-	<0.5	-				
19	4141350	<0.001	-	-	0.6	-				
20	4141351	0.001	-	-	<0.5	-				
21	4141352	0.001	-	-	3.0	-				
22	4141353	0.004	-	-	1.0	-				
23	4141354	0.002	-	-	1.1	-				
24	4141355	0.002	-	-	1.3	-				
25	4141356	0.004	-	-	1.0	-				

Results in ppm unless otherwise specified
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METHOD	SAMPLE No.	Au	Au (R)	Au	As	As				
		GG326	GG326	GG313	HA140	GA140				
1	4141357	0.002	-	-	2.0	-				
2	4141358	0.004	-	-	1.1	-				
3	4141359	0.002	-	-	1.3	-				
4	4141360	0.002	-	-	0.9	-				
5	4141361	0.004	-	-	2.3	-				
6	4141362	0.002	-	-	2.4	-				
7	4141363	0.002	-	-	0.7	-				
8	4141364	0.001	-	-	1.3	-				
9	4141365	0.001	-	-	0.6	-				
10	4141366	0.002	-	-	3.3	-				
11	4141367	0.004	-	-	1.3	-				
12	4141368	0.004	-	-	1.3	-				
13	4141369	<0.001	-	-	0.6	-				
14	4141370	0.002	-	-	0.5	-				
15	4141371	0.001	-	-	<0.5	-				
16	4141372	0.002	-	-	2.2	-				
17	4141373	0.001	0.002	-	3.3	-				
18	4141374	<0.001	-	-	0.5	-				
19	4141375	<0.001	-	-	1.0	-				
20	4141376	0.001	-	-	0.7	-				
21	4141377	0.001	-	-	3.2	-				
22	4141378	0.002	-	-	0.6	-				
23	4141379	<0.001	-	-	0.7	-				
24	4141380	0.001	-	-	<0.5	-				
25	4141381	0.002	-	-	0.6	-				

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
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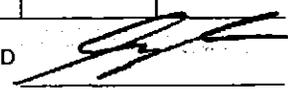
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METHOD	SAMPLE No.	Au	Au(R)	Au	As	As				
		GG326	GG326	GG313	HA140	GA140				
1	4141382	0.001	-	-	2.6	-				
2	4141383	0.001	-	-	1.0	-				
3	4141384	<0.001	-	-	0.9	-				
4	4141385	0.002	-	-	5.2	-				
5	4141386	0.001	-	-	1.1	-				
6	4141387	0.002	-	-	0.8	-				
7	4141388	0.002	-	-	1.0	-				
8	4141389	0.004	-	-	0.5	-				
9	4141390	0.004	-	-	0.7	-				
10	4141391	0.004	-	-	0.7	-				
11	4141392	0.002	-	-	3.3	-				
12	4141393	0.002	-	-	1.1	-				
13	4141394	0.001	-	-	2.4	-				
14	4141395	0.002	-	-	0.8	-				
15	4141396	0.004	-	-	0.7	-				
16	4141397	0.004	-	-	0.8	-				
17	4141398	0.001	-	-	1.5	-				
18	4141399	0.001	-	-	0.5	-				
19	4141400	0.002	-	-	5.7	-				
20	4141401	0.002	-	-	1.4	-				
21	4141402	0.002	-	-	<0.5	-				
22	4141403	0.004	-	-	6.4	-				
23	4141404	0.002	-	-	4.6	-				
24	4141405	0.002	-	-	13.6	-				
25	4141406	0.002	-	-	1.4	-				

Results in ppm unless otherwise specified
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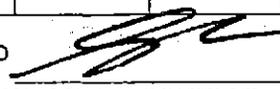
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	SAMPLE No.	Au	Au (R)	Au	As	As				
METHOD		GG326	GG326	GG313	HA140	GA140				
1	4141407	0.002	0.001	-	20.1	-				
2	4141408	0.004	-	-	4.6	-				
3	4141409	0.002	-	-	16.6	-				
4	4141410	0.002	-	-	5.7	-				
5	4141411	0.002	-	-	12.1	-				
6	4141412	0.002	-	-	12.3	-				
7	4141413	0.002	-	-	29.4	-				
8	4141414	0.001	-	-	17.7	-				
9	4141415	0.004	-	-	29.0	-				
10	4141416	0.004	-	-	23.0	-				
11	4141417	0.006	-	-	27.9	-				
12	4141418	0.004	-	-	43.4	-				
13	4141419	0.004	-	-	33.5	-				
14	4141420	0.004	-	-	3.3	-				
15	4141421	0.004	-	-	8.5	-				
16	4141422	0.004	-	-	21.4	-				
17	4141423	0.004	-	-	11.1	-				
18	4141424	0.004	-	-	0.8	-				
19	4141425	0.004	-	-	<0.5	-				
20	4141426	0.004	-	-	<0.5	-				
21	4141427	0.004	-	-	<0.5	-				
22	4141428	0.004	-	-	0.9	-				
23	4141429	0.002	-	-	1.1	-				
24	4141430	0.004	-	-	0.5	-				
25	4141431	0.004	-	-	0.5	-				

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

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	SAMPLE No	Au	Au(R)	Au	As	As				
METHOD		GG326	GG326	GG313	HA140	GA140				
1	4141432	0.004	-	-	0.9	-				
2	4141433	0.004	-	-	4.4	-				
3	4141434	0.004	-	-	19.1	-				
4	4141435	0.004	-	-	26.9	-				
5	4141436	0.004	-	-	20.6	-				
6	4141437	0.004	0.006	-	6.9	-				
7	4141438	0.004	-	-	36.4	-				
8	4141439	0.004	-	-	1.4	-				
9	4141440	0.004	-	-	0.7	-				
10	4141441	0.004	-	-	0.9	-				
11	4141442	0.002	0.004	-	0.8	-				
12	4141443	0.004	-	-	2.2	-				
13	4141444	0.001	-	-	3.5	-				
14	4141445	0.002	-	-	1.1	-				
15	4141446	0.004	-	-	5.8	-				
16	4141447	0.004	-	-	0.7	-				
17	4141448	0.002	-	-	<0.5	-				
18	4141449	0.002	-	-	2.7	-				
19	4141450	0.002	-	-	1.1	-				
20	4141451	0.002	-	-	0.5	-				
21	4141452	0.002	-	-	<0.5	-				
22	4141453	0.002	-	-	<0.5	-				
23	4141454	0.001	-	-	0.5	-				
24	4141455	0.002	-	-	2.0	-				
25	4141456	0.002	-	-	1.3	-				

Results in ppm unless otherwise specified
- = Element not determinedIS = insufficient sample
SNR = sample not receivedAUTHORISED
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METHOD	SAMPLE No.	Au	Au (R)	Au	As	As				
		GG326	GG326	GG313	HA140	GA140				
1	4141457	0.002	-	-	0.7	-				
2	4141458	0.002	-	-	<0.5	-				
3	4141459	0.001	-	-	3.5	-				
4	4141460	0.002	-	-	1.2	-				
5	4141461	0.002	-	-	44.9	-				
6	4141462	0.002	-	-	12.6	-				
7	4141463	0.002	-	-	21.1	-				
8	4141464	0.002	-	-	1.3	-				
9	4141465	0.001	-	-	1.2	-				
10	4141466	0.002	-	-	8.5	-				
11	4141467	0.002	-	-	2.7	-				
12	4141468	0.004	-	-	12.3	-				
13	4141469	0.002	-	-	14.8	-				
14	4141470	0.002	-	-	6.0	-				
15	4141471	0.004	-	-	4.9	-				
16	4141472	0.004	-	-	43.5	-				
17	4141473	0.002	-	-	3.9	-				
18	4141474	0.002	-	-	15.5	-				
19	4141475	0.001	-	-	1.7	-				
20	4141476	0.001	-	-	7.6	-				
21	4141477	0.002	-	-	2.4	-				
22	4141478	0.001	-	-	6.3	-				
23	4142201	-	-	<0.005	1.2	-				
24	4142202	-	-	<0.005	1.0	-				
25	4142203	-	-	<0.005	26.4	-				

Results in ppm unless otherwise specified
-- element not determined

IS = insufficient sample
SNR = sample not received

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	SAMPLE No.	Au	Au (R)	Au	As	As				
METHOD		GG326	GG326	GG313	HA140	GA140				
1	4142204	-	-	<0.005	2.3	-				
2	4142205	-	-	<0.005	0.9	-				
3	4142206	-	-	<0.005	5.6	-				
4	4142207	-	-	<0.005	19.7	-				
5	4142208	-	-	<0.005	1.4	-				
6	4142209	-	-	<0.005	0.7	-				
7	4142210	-	-	<0.005	1.9	-				
8	4142211	-	-	<0.005	0.9	-				
9	4142212	-	-	<0.005	8.0	-				
10	4142213	-	-	<0.005	0.7	-				
11	4142214	-	-	<0.005	<0.5	-				
12	4142215	-	-	<0.005	12.3	-				
13	4142216	-	-	<0.005	2.5	-				
14	4142217	-	-	<0.005	4.2	-				
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	0.001	0.001	0.005	0.5	50				
25	UNITS	ppm	ppm	ppm	ppm	ppm				

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

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CRA EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

Head Office: 55 Collins Street, Melbourne, Vic.

DESPATCH ADVICE, PACKING SLIP & ORDER

A.C.N. 000 057 125

★ DPO No.: 81230

DISTRICT OFFICE COPY

★ From CRAE office at 1/23 Bell St
PRESTON 3072 ★ Date: 8/3/95

★ To Laboratory: ANALABS

★ Lab. address: 14 Thirkell Street
Cooee Tas. 7320

★ No. of samples: 114

COPIES OF THE RESULTS REPORT TO BE FORWARDED TO CRA EXPLORATION PTY LIMITED AT:

1. PO Box 8093 Northland Centre, 3072

★ Attn: M. Donnelly

2. As above

Attn: C. Hayward WITH THE INVOICE

3. PO Box 3709, Manuka ACT 2603 Australia
Attention: CRAE Information Systems

QUOTE DPO NUMBER ON ALL REPORTS AND INVOICE.

★ 1:250000 sheet(s):
Burnie SK55-3
★ Investigation: NW Tasmanian Cu
★ Tenement: EL4/94, EL18/92
Complete on District, CIS & File copies only

Samples despatched per Delivered
Addressed ANALABS
As above

ENTERED

★ Return residues to:
Send 100g split to CRAE Queenbeyon.
Return to CRAE Preston.

Copy of (for CRAE laboratory only):
 Sample location plan attached
 Sample ledger attached

Samples			Work Required
Start No.	End No.	Qty	
4141479	4141493	15	SAMPLE TYPE: SOKS Please dry and pulverise. Assay for: Ag, Co, Cu, Ni, Pb, Zn, Fe, Mn by Aqua Regia/ Perchloric acid digest / AAS finish (GA140). As by hydride generation / AAS (GA114) Au by fire assay / carbon rod (GA326) (If insufficient sample don't assay Au)
4141475	4141593	99	
		<u>114</u>	

IMPORTANT — Each sample type must be entered separately with the following clearly shown:

- 1. Appropriate sample type.
- 2. Assay methods.
- 3. Laboratory method codes.
- 4. Preassay treatment.
- 5. Any special assay requirements.
- 6. Elements/minerals to be determined.

Cost code(s) C02141-CN 45%
C02136-CN 55%

Authorised by M. Donnelly



742077

Phone (004) 316837

14 Thirkell St. CODEE TAS 7320

Fax (004) 318890

ANALYTICAL REPORT No.

104165.60.10769

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA
ORDER No. PROJECT

INVOICE TO:

CRA Exploration Pty Limited
P.O. Box 8093
NORTHLAND CENTRE VIC 3072

81230

DATE RECEIVED

08/03/95

RESULTS REQUIRED

ASAP

No. OF PAGES
OF RESULTS

10

DATE
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27/03/95

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OF COPIES

1

TOTAL No.
OF SAMPLES

114

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

4141479/493, 4141495/593

SD Prep : BF031
*SD 1115*Cu, Pb, Zn, Ag, Fe, Mn, Co, Ni / GA140
As / HA140, As / BA140, Fe(1) / BA140
Au, Au(R) / 66326RESULTS
TOMs S Mendes
CRA Exploration Pty Ltd
P.O. Box 8093
NORTHLAND CENTRE VIC 3072RESULTS
TOMr C Hayward
CRA Exploration Pty Limited
602136 @ 1180.00
NORTHLAND CENTRE VIC 3072
602136 @ 1430.282

F=2610.28

RESULTS
TOCRAE Information Systems
P.O. Box 5709
MANLIKA ACT 2603

REMARKS

Fe(1)/GA140 results are over the recommended analytical range.

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ANALYTICAL DATA

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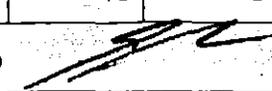
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METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
		GA140								
1	4141479	5	5	16	<1	0.27	-	24	<3	9
2	4141480	3	7	17	<1	0.19	-	14	<3	11
3	4141481	3	6	8	<1	0.20	-	11	<3	<3
4	4141482	21	3	9	<1	0.14	-	6	<3	<3
5	4141483	31	26	46	<1	3.22	-	105	13	17
6	4141484	18	36	24	<1	1.17	-	93	3	10
7	4141485	60	29	57	<1	3.26	-	203	4	19
8	4141486	5	6	16	<1	0.88	-	126	<3	7
9	4141487	10	10	17	<1	0.93	-	183	<3	3
10	4141488	49	6	11	<1	1.29	-	58	10	21
11	4141489	19	11	24	<1	1.08	-	189	4	20
12	4141490	48	97	81	<1	2.17	-	64	20	40
13	4141491	23	1788	1845	2	2.04	-	38	29	50
14	4141492	24	105	1100	<1	1.44	-	47	13	28
15	4141493	25	89	242	<1	1.22	-	69	10	23
16	4141495	10	62	1058	<1	1.94	-	186	9	25
17	4141496	13	197	305	<1	2.08	-	99	10	32
18	4141497	17	36	120	<1	2.54	-	340	9	24
19	4141498	3	15	59	<1	1.04	-	136	<3	20
20	4141499	3	16	110	<1	0.15	-	8	<3	17
21	4141500	3	4	10	<1	0.20	-	8	<3	9
22	4141501	5	7	113	<1	0.24	-	11	<3	13
23	4141502	2	5	11	<1	0.17	-	5	<3	10
24	4141503	5	6	16	<1	0.15	-	5	<3	16
25	4141504	2	5	5	<1	0.16	-	5	<3	6

results in ppm unless otherwise specified
 -- element not determined

IS = insufficient sample
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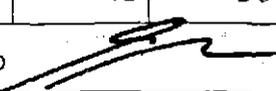
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METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
		GA140								
1	4141505	5	5	10	<1	0.52	-	33	<3	30
2	4141506	6	6	217	<1	0.87	-	83	<3	15
3	4141507	10	25	36	<1	1.48	-	117	4	16
4	4141508	2	7	16	<1	0.59	-	96	<3	9
5	4141509	<2	4	10	<1	0.61	-	72	<3	7
6	4141510	3	4	13	<1	0.78	-	47	<3	18
7	4141511	27	11	414	<1	1.07	-	70	5	26
8	4141512	2	44	95	<1	1.56	-	125	<3	11
9	4141513	7	12	127	<1	0.97	-	83	3	13
10	4141514	43	10	44	<1	1.29	-	107	11	23
11	4141515	30	70	431	<1	1.87	-	104	32	29
12	4141516	18	12	861	<1	0.74	-	37	<3	29
13	4141517	22	25	161	<1	1.76	-	149	9	22
14	4141518	26	18	185	<1	2.04	-	219	7	22
15	4141519	13	14	62	<1	1.50	-	124	8	16
16	4141520	32	50	253	<1	1.93	-	154	13	28
17	4141521	44	12	1450	<1	1.15	-	87	5	24
18	4141522	12	7	22	<1	1.27	-	205	3	13
19	4141523	16	10	24	<1	1.71	-	210	<3	15
20	4141524	15	14	49	<1	2.09	-	255	4	23
21	4141525	12	7	17	<1	1.30	-	76	3	27
22	4141526	20	27	183	<1	1.17	-	175	8	20
23	4141527	23	64	35	<1	0.51	-	68	<3	11
24	4141528	42	26	41	<1	1.56	-	114	7	19
25	4141529	6	12	15	<1	0.75	-	59	<3	10

Results in ppm unless otherwise specified
 -- element not determined

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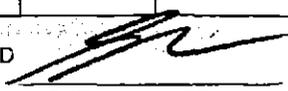
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METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
		GA140								
1	4141530	2	<3	9	<1	0.51	-	30	<3	12
2	4141531	6	4	7	<1	0.28	-	33	<3	17
3	4141532	9	51	68	1	0.53	-	71	<3	13
4	4141533	63	30	79	1	-	5.4	467	34	49
5	4141534	3	4	14	1	0.43	-	77	4	10
6	4141535	4	9	10	<1	0.45	-	24	<3	48
7	4141536	6	<3	7	<1	0.67	-	83	<3	12
8	4141537	2	4	9	<1	0.55	-	85	<3	4
9	4141538	<2	<3	7	<1	0.40	-	58	<3	11
10	4141539	2	<3	16	<1	1.46	-	206	<3	10
11	4141540	20	6	66	<1	1.94	-	133	9	23
12	4141541	61	113	36	1	4.13	-	164	27	36
13	4141542	14	14	103	<1	1.40	-	94	9	21
14	4141543	11	12	90	<1	1.64	-	130	9	23
15	4141544	17	12	122	<1	1.94	-	167	7	18
16	4141545	20	6	82	1	1.90	-	171	13	31
17	4141546	5	<3	19	1	1.28	-	109	3	11
18	4141547	14	9	30	1	1.96	-	141	11	25
19	4141548	14	6	25	<1	1.84	-	204	9	21
20	4141549	14	3	18	<1	1.69	-	184	6	17
21	4141550	7	3	8	<1	0.63	-	35	<3	13
22	4141551	18	31	95	<1	1.98	-	178	8	23
23	4141552	24	42	99	1	1.49	-	135	7	18
24	4141553	12	17	50	1	1.68	-	187	8	17
25	4141554	20	17	148	1	1.33	-	128	12	26

Results in ppm unless otherwise specified
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**742081****ANALYTICAL DATA**

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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141555	12	8	84	<1	2.16	-	261	5	18
2	4141556	8	11	85	<1	2.83	-	116	8	21
3	4141557	12	18	86	<1	1.13	-	81	7	21
4	4141558	<2	3	21	<1	1.10	-	99	<3	10
5	4141559	4	10	9	<1	0.60	-	65	<3	7
6	4141560	5	15	452	<1	0.76	-	68	4	15
7	4141561	8	22	16	<1	1.02	-	111	3	13
8	4141562	5	<3	11	<1	0.97	-	91	<3	9
9	4141563	<2	3	10	<1	0.55	-	72	<3	6
10	4141564	7	5	6	<1	0.47	-	67	<3	4
11	4141565	3	<3	13	<1	0.71	-	71	<3	7
12	4141566	2	3	8	<1	0.64	-	101	<3	9
13	4141567	24	3	23	<1	1.78	-	173	8	48
14	4141568	20	<3	27	<1	3.00	-	301	8	21
15	4141569	9	<3	28	<1	2.42	-	220	10	32
16	4141570	19	<3	26	<1	2.76	-	202	12	28
17	4141571	35	10	23	<1	2.44	-	177	22	27
18	4141572	19	10	44	<1	2.37	-	177	11	20
19	4141573	58	14	77	<1	4.81	-	399	18	31
20	4141574	19	5	99	<1	2.73	-	225	9	16
21	4141575	16	10	27	<1	0.84	-	85	<3	7
22	4141576	28	17	38	<1	2.24	-	130	13	29
23	4141577	17	13	19	<1	1.62	-	110	7	19
24	4141578	26	20	80	<1	1.36	-	93	9	22
25	4141579	32	20	41	<1	1.54	-	132	<3	7

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141580	6	5	24	<1	0.65	-	69	<3	6
2	4141581	8	20	128	<1	0.92	-	48	<3	8
3	4141582	11	17	76	<1	0.76	-	63	4	14
4	4141583	15	17	13	<1	1.43	-	122	4	9
5	4141584	8	19	136	<1	0.57	-	57	<3	11
6	4141585	13	56	51	<1	2.61	-	167	6	17
7	4141586	16	13	12	<1	1.86	-	135	10	16
8	4141587	11	9	31	<1	1.55	-	152	7	16
9	4141588	34	21	9	<1	1.23	-	91	8	10
10	4141589	3	7	7	<1	0.41	-	45	<3	4
11	4141590	8	9	29	<1	0.64	-	91	<3	4
12	4141591	27	17	27	<1	0.74	-	51	<3	16
13	4141592	26	19	35	<1	2.64	-	198	6	20
14	4141593	27	14	15	<1	1.96	-	150	7	22
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	2	3	2	1	0.01	0.1	3	3	3
25	UNITS	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm

Results in ppm unless otherwise specified
-- element not determined

IS = insufficient sample
SNR = sample not received

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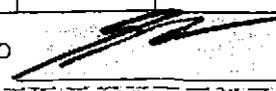
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SAMPLE PREFIX		REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE	
		104165.60.10769	27/03/95	81230	6 OF 10	
METHOD	SAMPLE No.	Au	Au (R)	As	As	
		GG326	GG326	HA140	GA140	
1	4141479	0.002	-	2.6	-	
2	4141480	0.001	-	1.7	-	
3	4141481	0.004	-	1.8	-	
4	4141482	<0.001	-	2.1	-	
5	4141483	0.006	-	11.3	-	
6	4141484	<0.001	-	27.4	-	
7	4141485	<0.001	-	6.4	-	
8	4141486	0.004	-	2.8	-	
9	4141487	0.002	-	5.1	-	
10	4141488	0.006	-	3.7	-	
11	4141489	0.004	-	7.5	-	
12	4141490	0.006	-	6.3	-	
13	4141491	0.004	-	9.2	-	
14	4141492	IS	IS	3.5	-	
15	4141493	0.002	-	1.3	-	
16	4141495	0.002	-	31.7	-	
17	4141496	0.002	-	2.0	-	
18	4141497	0.001	-	-	63	
19	4141498	0.002	-	3.2	-	
20	4141499	0.002	-	6.1	-	
21	4141500	0.004	-	1.6	-	
22	4141501	0.002	-	0.9	-	
23	4141502	0.001	-	0.6	-	
24	4141503	0.002	-	0.8	-	
25	4141504	0.001	-	0.7	-	

Results in ppm unless otherwise specified
- = element not determined

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SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

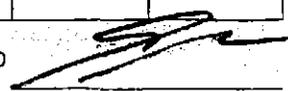
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		104165.60.10769				27/03/95		81230		7 OF 10	
	SAMPLE No.	Au	Au(R)	As	As						
METHOD		GG326	GG326	HA140	GA140						
1	4141505	IS	-	2.1	-						
2	4141506	IS	-	1.1	-						
3	4141507	0.004	-	1.7	-						
4	4141508	0.011	-	0.8	-						
5	4141509	0.004	0.004	5.2	-						
6	4141510	IS	-	1.4	-						
7	4141511	IS	-	3.0	-						
8	4141512	0.001	-	8.0	-						
9	4141513	0.006	-	8.0	-						
10	4141514	0.002	-	23.0	-						
11	4141515	0.004	-	47.9	-						
12	4141516	0.001	-	2.2	-						
13	4141517	0.001	-	9.3	-						
14	4141518	IS	-	10.8	-						
15	4141519	0.001	-	36.0	-						
16	4141520	IS	-	15.0	-						
17	4141521	IS	-	7.4	-						
18	4141522	0.002	-	5.4	-						
19	4141523	0.002	-	5.7	-						
20	4141524	0.001	-	8.6	-						
21	4141525	IS	-	44.9	-						
22	4141526	0.002	-	6.2	-						
23	4141527	0.001	-	5.5	-						
24	4141528	0.001	-	28.7	-						
25	4141529	0.001	0.004	1.6	-						

Results in ppm unless otherwise specified
-- = element not determined

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742085

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

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81230

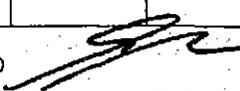
8 OF 10

	SAMPLE No.	Au	Au(R)	As	As				
METHOD		GG326	GG326	HA140	GA140				
1	4141530	0.001	-	<0.5	-				
2	4141531	0.001	-	0.9	-				
3	4141532	<0.001	-	5.8	-				
4	4141533	0.001	-	-	92				
5	4141534	0.002	-	6.7	-				
6	4141535	0.002	-	7.0	-				
7	4141536	0.002	-	0.9	-				
8	4141537	0.001	-	0.9	-				
9	4141538	<0.001	-	<0.5	-				
10	4141539	0.001	-	1.2	-				
11	4141540	0.001	-	-	50				
12	4141541	0.001	-	3.6	-				
13	4141542	0.004	-	17.7	-				
14	4141543	0.002	-	14.7	-				
15	4141544	0.001	-	6.2	-				
16	4141545	0.001	-	8.2	-				
17	4141546	<0.001	-	1.0	-				
18	4141547	0.001	-	3.4	-				
19	4141548	0.001	-	3.1	-				
20	4141549	<0.001	0.006	5.3	-				
21	4141550	IS	-	3.5	-				
22	4141551	0.001	-	3.8	-				
23	4141552	<0.001	-	8.2	-				
24	4141553	<0.001	-	9.2	-				
25	4141554	<0.001	-	13.8	-				

Results in ppm unless otherwise specified
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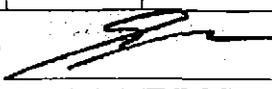
9 OF 10

	SAMPLE No	Au	Au (R)	As	As				
METHOD		GG326	GG326	HA140	GA140				
1	4141555	<0.001	-	5.8	-				
2	4141556	<0.001	-	13.1	-				
3	4141557	<0.001	-	30.2	-				
4	4141558	<0.001	-	0.7	-				
5	4141559	0.001	-	0.5	-				
6	4141560	<0.001	-	11.9	-				
7	4141561	0.001	-	5.2	-				
8	4141562	<0.001	-	6.7	-				
9	4141563	<0.001	-	3.7	-				
10	4141564	<0.001	-	1.0	-				
11	4141565	<0.001	-	1.3	-				
12	4141566	<0.001	-	0.9	-				
13	4141567	0.002	-	7.3	-				
14	4141568	<0.001	-	2.1	-				
15	4141569	<0.001	-	2.4	-				
16	4141570	<0.001	-	3.6	-				
17	4141571	0.001	-	9.1	-				
18	4141572	0.001	-	6.5	-				
19	4141573	<0.001	-	15.2	-				
20	4141574	<0.001	-	4.4	-				
21	4141575	0.002	-	1.4	-				
22	4141576	<0.001	-	5.8	-				
23	4141577	<0.001	-	3.1	-				
24	4141578	0.001	-	19.7	-				
25	4141579	0.002	-	2.2	-				

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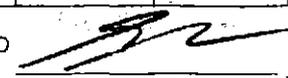
10 OF 10

METHOD	SAMPLE No.	Au	Au (R)	As	As				
		GG326	GG326	HA140	GA140				
1	4141580	0.001	-	1.0	-				
2	4141581	<0.001	-	1.2	-				
3	4141582	<0.001	-	6.4	-				
4	4141583	0.004	-	5.9	-				
5	4141584	<0.001	-	2.1	-				
6	4141585	<0.001	-	13.9	-				
7	4141586	0.004	-	9.3	-				
8	4141587	<0.001	-	3.2	-				
9	4141588	<0.001	-	12.2	-				
10	4141589	<0.001	-	1.4	-				
11	4141590	<0.001	-	2.0	-				
12	4141591	<0.001	<0.001	3.5	-				
13	4141592	<0.001	-	19.8	-				
14	4141593	<0.001	-	10.5	-				
15									
17									
18									
19									
20									
21									
22									
23									
24	DETECTION	0.001	0.001	0.5	50				
25	UNITS	ppm	ppm	ppm	ppm				

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CRA EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

Head Office: 55 Collins Street, Melbourne, Vic.

DESPATCH ADVICE, PACKING SLIP & ORDER

★ DPO No.: 77184

CIS COPY

★ From CRAE office at CRAE Division
1/23 Bell St Melbourne ★ Date: 23/3/95

★ To Laboratory: Dnalabs
★ Lab. address: 14 Thehall St
Cooco Tas 7320

★ No. of samples: 241

COPIES OF THE RESULTS REPORT TO BE FORWARDED TO CRA EXPLORATION PTY LIMITED AT:

- 1. PO Box
5073 Northland Centre
Vic 3072
- ★ Attn: Sandy Menpes
- 2. a/c
- Attn: Barbara Johnson WITH THE INVOICE
- 3. PO Box 3709, Manuka ACT 2603 Australia
Attention: CRAE Information Systems

QUOTE DPO NUMBER ON ALL REPORTS AND INVOICE

★ 1.250000 sheet(s): Burnee
SK 55-3

★ Investigation: Nelson Prospect Worker
Sampling

★ Tenement: Balfour EL 4/92
Mt Frankland EL 18/92
Complete on District, CIS & File copies only

Samples despatched per
Addressed

★ Return residues to:
Return for 3 months then
100g sample to Queensland

Copy of (for CRAE laboratory only):

Sample location plan attached

Sample ledger attached

Samples			Work Required
Start No.	End No.	Qty	
4141595	4141835	241	<u>Soil Bedrock samples</u> Please dry and pulverise Assay for Ag, Co, Cu, Ni, Pb, Zn, Fe, Mn by Aqua Regia / Perchloric acid digest / Ass Finish (GA140) Ni by hydride generation / AAs (GA114) Au by fire assay / carbon red (GG326)

IMPORTANT — Each sample type must be entered separately with the following clearly shown:

- 1. Appropriate sample type.
- 2. Assay methods.
- 3. Laboratory method codes.
- 4. Preassay treatment.
- 5. Any special assay requirements.
- 6. Elements/minerals to be determined.

Cost code(s) 37% G0241 (Balfour)
63% G02136 (Mt Frankland)

Authorised by [Signature]



742089

Phone (004) 316837

14 Thirkell St. COOEE TAS 7320

Fax (004) 318990

ANALYTICAL REPORT No.

104165.60.10795

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

CRA Exploration Pty Limited
 P.O. Box 8093
 NORTHLAND CENTRE VIC 3072

ORDER No. 77184 PROJECT

DATE RECEIVED 23/03/95 RESULTS REQUIRED ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES
20	07/04/95	1

TOTAL No. OF SAMPLES 24

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
4141595/835	50 Prep : 6P031	Cu,Pb,Zn,Ag,Fe,Mn,Co,Ni/6A140 As/HA140,As/6A140 Fe(1)/6A140 Au,Au(R)Au(5)/66326

RESULTS TO
 Ms S Menpes
 CRA Exploration Pty Ltd
 P O Box 8093
 NORTHLAND CENTRE VIC 3072

RESULTS TO
 Mr C Hayward
 CRA Exploration Pty Limited
 P.O. Box 8093
 NORTHLAND CENTRE VIC 3072

RESULTS TO
 CRAE Information Systems
 P.O. Box 3709
 MANUKA ACT 2603

REMARKS
 Fe(1)/6A140 results are over the recommended analytical range.

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742090

ANALYTICAL DATA

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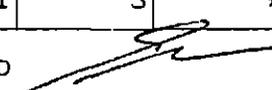
1 OF 20

	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141595	21	30	39	<1	2.16	-	173	5	20
2	4141596	27	40	116	<1	2.24	-	180	8	30
3	4141597	19	43	139	<1	1.53	-	114	10	17
4	4141598	30	71	125	<1	2.26	-	203	14	20
5	4141599	25	72	123	<1	2.15	-	183	10	20
	4141600	14	25	60	<1	2.41	-	256	<3	17
7	4141601	13	18	70	<1	1.89	-	244	<3	14
8	4141602	21	21	30	<1	1.75	-	198	5	16
9	4141603	103	34	42	<1	1.82	-	210	7	17
10	4141604	9	16	10	<1	0.58	-	56	5	34
11	4141605	7	12	8	<1	0.14	-	14	<3	14
12	4141606	8	16	19	<1	0.48	-	31	4	16
13	4141607	7	13	15	<1	0.61	-	37	<3	7
14	4141608	13	43	46	<1	1.30	-	146	5	11
15	4141609	19	31	54	<1	1.95	-	179	5	23
16	4141610	22	49	99	<1	2.29	-	257	5	19
17	4141611	23	46	136	<1	2.46	-	183	12	24
18	4141612	18	39	237	<1	1.82	-	222	3	14
19	4141613	23	40	39	<1	1.45	-	197	10	17
20	4141614	27	35	76	<1	2.04	-	165	7	14
21	4141615	25	41	51	<1	2.25	-	228	8	13
22	4141616	12	48	101	<1	1.96	-	170	7	18
23	4141617	28	26	98	<1	2.86	-	228	7	24
24	4141618	21	27	31	<1	2.26	-	177	6	21
25	4141619	15	23	18	<1	0.50	-	51	3	9

Results in ppm unless otherwise specified
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AUTHORISED OFFICER



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ANALYTICAL DATA

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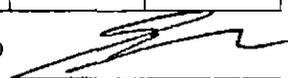
2 OF 20

	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141620	12	15	9	<1	0.67	-	71	3	11
2	4141621	8	27	47	<1	1.92	-	148	15	27
3	4141622	16	276	106	<1	1.83	-	190	10	22
4	4141623	12	42	98	<1	1.79	-	178	5	12
5	4141624	9	23	57	<1	0.81	-	177	3	<3
	4141625	4	11	5	<1	0.17	-	16	<3	15
7	4141626	4	9	28	<1	0.23	-	24	<3	21
8	4141627	9	34	21	<1	1.01	-	96	<3	4
9	4141628	5	21	39	<1	2.20	-	241	<3	11
10	4141629	10	24	12	<1	0.57	-	98	<3	6
11	4141630	3	26	15	<1	0.66	-	54	<3	4
12	4141631	108	92	104	<1	1.29	-	38	11	9
13	4141632	4	20	14	<1	0.57	-	40	<3	9
14	4141633	5	14	12	<1	0.46	-	39	<3	6
15	4141634	3	15	9	<1	0.43	-	40	<3	3
16	4141635	3	13	8	<1	0.47	-	90	<3	<3
17	4141636	66	98	120	<1	2.90	-	229	28	27
18	4141637	20	25	124	<1	2.98	-	281	6	16
19	4141638	20	42	122	<1	3.21	-	277	5	16
20	4141639	46	31	55	<1	2.55	-	214	17	16
21	4141640	45	48	24	<1	1.17	-	127	<3	11
22	4141641	8	16	18	<1	1.22	-	176	<3	17
23	4141642	6	14	9	<1	0.39	-	36	<3	9
24	4141643	6	17	14	<1	0.69	-	84	<3	10
25	4141644	10	15	11	<1	0.32	-	29	<3	7

results in ppm unless otherwise specified
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742092

ANALYTICAL DATA

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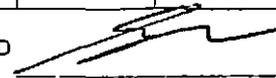
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141645	4	13	3	<1	0.10	-	10	<3	4
2	4141646	11	25	42	<1	0.47	-	20	<3	10
3	4141647	5	18	16	<1	0.55	-	47	<3	9
4	4141648	18	64	26	<1	0.82	-	88	<3	14
5	4141649	8	29	32	<1	0.47	-	49	<3	6
6	4141650	7	15	14	<1	0.38	-	44	<3	3
7	4141651	10	19	24	<1	1.27	-	121	<3	4
8	4141652	10	17	16	<1	2.06	-	62	<3	7
9	4141653	11	20	13	<1	0.98	-	37	<3	4
10	4141654	13	18	17	<1	1.12	-	44	<3	15
11	4141655	6	16	21	<1	1.53	-	102	3	<3
12	4141656	18	19	24	<1	1.57	-	61	<3	7
13	4141657	10	19	28	<1	2.89	-	97	<3	9
14	4141658	7	18	14	<1	0.44	-	32	3	<3
15	4141659	10	14	9	<1	0.50	-	21	<3	5
16	4141660	13	26	10	<1	2.13	-	21	<3	7
17	4141661	12	40	65	<1	1.53	-	316	3	17
18	4141662	11	24	43	<1	2.81	-	389	3	17
19	4141663	15	45	60	<1	3.31	-	465	4	9
20	4141664	8	30	59	<1	1.24	-	159	<3	7
21	4141665	10	80	53	<1	2.03	-	518	<3	5
22	4141666	34	70	318	<1	3.39	-	453	3	15
23	4141667	10	26	48	<1	2.51	-	258	4	10
24	4141668	21	42	118	<1	3.45	-	450	3	19
25	4141669	18	28	68	<1	2.86	-	390	3	15

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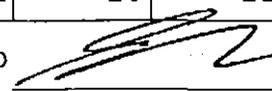
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141670	37	35	34	<1	2.88	-	256	9	12
2	4141671	31	28	17	<1	1.26	-	289	3	10
3	4141672	15	30	41	<1	1.64	-	173	5	12
4	4141673	23	20	32	<1	1.55	-	191	<3	16
5	4141674	6	26	14	<1	0.71	-	82	4	5
	4141675	18	23	49	<1	1.84	-	166	13	14
7	4141676	21	27	83	<1	2.32	-	194	8	13
8	4141677	10	19	48	<1	0.51	-	87	4	6
9	4141678	8	38	61	<1	0.80	-	101	<3	4
10	4141679	34	39	69	<1	2.35	-	206	51	26
11	4141680	9	30	35	<1	1.99	-	202	5	8
12	4141681	14	24	41	<1	2.26	-	206	10	12
13	4141682	24	27	93	<1	1.95	-	154	16	14
14	4141683	7	23	33	<1	0.96	-	108	6	6
15	4141684	6	29	36	<1	1.79	-	184	5	11
16	4141685	6	18	33	<1	1.69	-	191	7	11
17	4141686	8	19	11	<1	0.47	-	77	<3	9
18	4141687	6	12	7	<1	0.12	-	19	<3	16
19	4141688	80	22	21	<1	2.04	-	336	4	18
20	4141689	18	35	65	<1	3.66	-	221	15	74
21	4141690	14	23	20	<1	1.52	-	172	7	13
22	4141691	11	18	13	<1	0.71	-	42	4	9
23	4141692	20	25	27	<1	2.17	-	218	12	16
24	4141693	31	24	37	<1	2.22	-	233	7	14
25	4141694	13	17	28	<1	1.68	-	212	10	16

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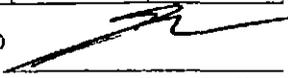
SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

		104165.60.10795				07/04/95		77184		5 OF 20	
	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni	
METHOD		GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	GA140	
1	4141695	28	23	58	<1	2.72	-	240	10	28	
2	4141696	74	22	12	<1	1.27	-	82	6	12	
3	4141697	22	27	23	<1	3.57	-	237	11	28	
4	4141698	32	28	25	<1	3.11	-	202	10	25	
5	4141699	20	17	13	<1	1.56	-	155	<3	6	
	4141700	5	13	4	<1	0.13	-	13	<3	5	
7	4141701	6	17	6	<1	0.33	-	26	4	9	
8	4141702	15	21	16	<1	3.72	-	689	3	20	
9	4141703	5	15	7	<1	0.63	-	133	<3	12	
10	4141704	14	19	28	<1	2.52	-	494	<3	34	
11	4141705	26	25	19	<1	2.03	-	149	8	26	
12	4141706	6	21	12	<1	1.57	-	108	<3	20	
13	4141707	15	22	8	<1	0.51	-	47	4	21	
14	4141708	13	23	16	<1	1.94	-	330	8	20	
15	4141709	8	26	15	<1	4.05	-	814	7	23	
16	4141710	4	13	6	<1	0.63	-	54	<3	6	
17	4141711	16	20	11	<1	1.25	-	93	4	7	
18	4141712	48	31	21	<1	2.27	-	201	7	18	
19	4141713	20	35	72	1	-	5.3	741	7	21	
20	4141714	32	80	21	<1	4.35	-	228	6	20	
21	4141715	59	25	22	<1	3.83	-	259	18	41	
22	4141716	30	30	30	<1	3.69	-	317	9	24	
23	4141717	13	22	24	<1	3.54	-	309	6	17	
24	4141718	15	71	58	<1	3.07	-	352	6	14	
25	4141719	3	19	14	<1	1.52	-	189	<3	12	

Results in ppm unless otherwise specified
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141720	3	18	14	<1	1.79	-	196	4	13
2	4141721	70	33	4	<1	0.38	-	46	4	5
3	4141722	2	15	8	<1	1.18	-	153	<3	5
4	4141723	5	16	26	<1	0.32	-	24	<3	7
5	4141724	2	12	4	<1	0.17	-	12	<3	3
	4141725	2	12	3	<1	0.19	-	18	<3	5
7	4141726	3	13	3	<1	0.24	-	7	<3	17
8	4141727	2	14	2	<1	0.21	-	5	<3	12
9	4141728	3	12	37	<1	0.08	-	5	<3	10
10	4141729	3	8	4	<1	0.13	-	3	4	7
11	4141730	7	16	4	<1	0.91	-	62	4	10
12	4141731	3	14	3	<1	0.18	-	9	<3	<3
13	4141732	15	22	11	<1	0.63	-	42	8	20
14	4141733	3	12	8	<1	0.16	-	8	<3	18
15	4141734	12	12	39	<1	2.28	-	228	7	19
16	4141735	19	6	11	<1	0.57	-	37	7	11
17	4141736	3	9	9	<1	0.31	-	20	<3	13
18	4141737	2	11	5	<1	0.13	-	14	3	12
19	4141738	3	8	6	<1	0.09	-	15	<3	9
20	4141739	2	14	27	<1	0.56	-	86	3	7
21	4141740	4	15	14	<1	1.20	-	189	5	14
22	4141741	47	30	16	<1	1.99	-	214	15	29
23	4141742	12	21	35	<1	2.90	-	362	6	23
24	4141743	16	20	36	<1	3.49	-	344	6	25
25	4141744	23	16	40	<1	2.45	-	360	<3	17

Results in ppm unless otherwise specified
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742096

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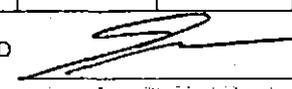
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METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
		GA140								
1	4141745	24	14	30	<1	2.84	-	268	4	18
2	4141746	27	11	28	<1	2.92	-	284	9	35
3	4141747	12	15	22	<1	2.82	-	369	5	25
4	4141748	8	15	17	<1	1.73	-	224	<3	15
5	4141749	4	15	22	<1	2.11	-	336	<3	15
	4141750	9	16	14	<1	2.26	-	304	6	24
7	4141751	4	16	7	<1	0.17	-	40	<3	9
8	4141752	24	30	11	<1	1.35	-	122	15	33
9	4141753	15	15	14	<1	1.02	-	126	<3	17
10	4141754	8	31	20	<1	1.28	-	157	<3	18
11	4141755	20	21	18	<1	1.93	-	246	13	27
12	4141756	9	17	21	<1	2.03	-	265	<3	25
13	4141757	5	33	28	<1	2.06	-	306	<3	15
14	4141758	22	19	19	<1	3.37	-	188	15	25
15	4141759	25	20	17	<1	1.35	-	117	<3	8
16	4141760	82	18	10	<1	0.61	-	47	<3	10
17	4141761	4	11	7	<1	0.70	-	55	<3	6
18	4141762	13	19	8	<1	0.40	-	23	4	11
19	4141763	9	16	13	<1	1.15	-	121	<3	15
20	4141764	5	14	24	<1	1.92	-	205	<3	12
21	4141765	21	42	61	<1	1.66	-	42	5	23
22	4141766	13	25	35	<1	1.76	-	124	12	20
23	4141767	9	13	6	<1	0.38	-	47	<3	11
24	4141768	5	10	10	<1	0.42	-	96	<3	9
25	4141769	4	14	13	<1	1.02	-	96	<3	5

Results in ppm unless otherwise specified
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141770	8	9	26	<1	2.06	-	125	4	13
2	4141771	15	16	19	<1	0.97	-	135	<3	12
3	4141772	12	55	124	<1	2.08	-	171	11	23
4	4141773	19	18	81	<1	1.24	-	94	8	18
5	4141774	5	11	29	<1	1.55	-	105	<3	14
	4141775	3	10	41	<1	2.30	-	162	<3	15
7	4141776	7	6	29	<1	1.37	-	103	3	14
8	4141777	7	12	31	<1	1.46	-	113	<3	12
9	4141778	15	14	29	<1	1.38	-	118	<3	12
10	4141779	31	12	22	<1	1.25	-	101	<3	9
11	4141780	7	10	57	<1	2.72	-	345	<3	7
12	4141781	14	11	25	<1	1.06	-	86	<3	11
13	4141782	17	28	45	<1	1.70	-	138	7	14
14	4141783	44	98	472	<1	3.52	-	159	25	33
15	4141784	7	12	80	<1	2.25	-	203	<3	14
16	4141785	19	16	49	<1	3.10	-	241	22	38
17	4141786	30	32	66	<1	2.55	-	197	7	19
18	4141787	20	17	80	<1	2.49	-	119	20	35
19	4141788	52	18	47	<1	1.76	-	167	6	15
20	4141789	2	14	12	<1	0.67	-	149	<3	6
21	4141790	19	18	35	<1	2.48	-	191	7	12
22	4141791	13	14	11	<1	0.59	-	38	<3	7
23	4141792	13	15	46	<1	2.92	-	129	10	39
24	4141793	23	17	28	<1	1.31	-	107	8	25
25	4141794	40	30	13	<1	0.82	-	119	<3	12

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- = element not determinedIS = insufficient sample
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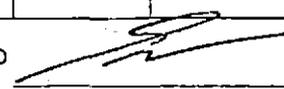
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METHOD	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
		GA140								
1	4141795	4	13	18	<1	0.67	-	175	3	9
2	4141796	3	15	12	<1	0.78	-	233	9	16
3	4141797	<2	10	17	<1	1.33	-	166	<3	13
4	4141798	63	26	92	<1	-	11.7	612	31	245
5	4141799	<2	12	14	<1	0.86	-	44	<3	<3
	4141800	<2	7	12	<1	1.25	-	131	<3	6
7	4141801	15	13	11	<1	1.19	-	96	4	9
8	4141802	12	11	16	<1	1.42	-	272	<3	11
9	4141803	8	28	46	<1	1.53	-	200	<3	6
10	4141804	25	18	63	<1	2.44	-	169	14	27
11	4141805	49	30	68	<1	2.42	-	19	28	31
12	4141806	26	21	134	<1	4.52	-	123	66	88
13	4141807	53	47	50	<1	1.07	-	106	<3	16
14	4141808	19	26	110	<1	1.40	-	145	10	29
15	4141809	8	21	18	<1	0.57	-	82	4	8
16	4141810	10	13	28	<1	0.94	-	97	5	17
17	4141811	22	51	115	<1	1.53	-	163	7	10
18	4141812	6	13	11	<1	0.64	-	107	3	8
19	4141813	44	30	20	<1	1.34	-	92	6	11
20	4141814	4	10	14	<1	1.64	-	96	5	10
21	4141815	4	28	21	<1	0.59	-	100	<3	12
22	4141816	25	47	29	<1	1.68	-	110	6	21
23	4141817	<2	10	12	<1	0.54	-	19	<3	7
24	4141818	109	864	17	<1	0.62	-	10	4	11
25	4141819	43	70	21	<1	1.01	-	35	7	16

Results in ppm unless otherwise specified
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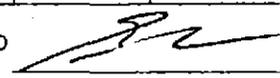
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	SAMPLE No.	Cu	Pb	Zn	Ag	Fe	Fe(1)	Mn	Co	Ni
METHOD		GA140								
1	4141820	2	10	32	<1	1.02	-	70	6	8
2	4141821	3	14	12	<1	0.39	-	63	7	5
3	4141822	<2	13	11	<1	0.70	-	117	3	11
4	4141823	<2	10	10	<1	0.46	-	54	5	5
5	4141824	5	9	6	<1	0.18	-	7	3	9
	4141825	16	12	11	<1	0.74	-	10	8	10
7	4141826	5	10	7	<1	0.53	-	39	<3	7
8	4141827	4	8	7	<1	0.37	-	23	<3	14
9	4141828	43	18	12	<1	3.25	-	370	6	19
10	4141829	3	16	6	<1	0.44	-	111	<3	7
11	4141830	2	13	6	<1	0.35	-	76	<3	7
12	4141831	5	9	5	<1	2.24	-	56	<3	13
13	4141832	10	12	6	<1	0.30	-	15	<3	8
14	4141833	3	7	2	<1	0.16	-	27	<3	6
15	4141834	<2	11	5	<1	0.42	-	79	<3	8
16	4141835	<2	15	7	<1	0.49	-	68	<3	6
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	2	3	2	1	0.01	0.1	3	3	3
25	UNITS	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm

Results in ppm unless otherwise specified
- = element not determined

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742100

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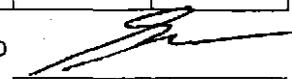
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ETHOD	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141595	<0.001	-	-	13.0	-				
2	4141596	<0.001	-	-	7.8	-				
3	4141597	0.001	-	-	11.0	-				
4	4141598	<0.001	-	-	10.0	-				
5	4141599	0.001	<0.001	-	14.0	-				
	4141600	<0.001	-	-	5.4	-				
7	4141601	<0.001	-	<0.001	3.3	-				
8	4141602	0.001	<0.001	-	8.1	-				
9	4141603	<0.001	-	-	13.5	-				
10	4141604	0.001	-	-	7.8	-				
11	4141605	<0.001	-	-	1.5	-				
12	4141606	<0.001	-	-	1.6	-				
13	4141607	<0.001	-	-	0.9	-				
14	4141608	0.001	-	-	8.6	-				
15	4141609	<0.001	-	-	4.3	-				
16	4141610	<0.001	-	-	5.0	-				
17	4141611	<0.001	-	-	6.0	-				
18	4141612	<0.001	-	-	5.7	-				
19	4141613	<0.001	-	-	19.0	-				
20	4141614	0.001	-	-	19.0	-				
21	4141615	<0.001	-	-	7.0	-				
22	4141616	<0.001	-	-	19.0	-				
23	4141617	0.001	-	-	6.1	-				
24	4141618	<0.001	-	-	6.1	-				
25	4141619	<0.001	-	-	4.0	-				

Results in ppm unless otherwise specified
-- element not determined

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742101

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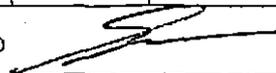
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METHOD	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141620	0.001	-	-	3.0	-				
2	4141621	0.001	-	-	13.0	-				
3	4141622	<0.001	-	-	12.0	-				
4	4141623	<0.001	-	0.001	3.6	-				
5	4141624	<0.001	-	-	11.0	-				
	4141625	<0.001	-	-	1.3	-				
7	4141626	<0.001	-	-	1.2	-				
8	4141627	0.001	-	-	1.3	-				
9	4141628	<0.001	-	-	1.8	-				
10	4141629	<0.001	-	-	1.0	-				
11	4141630	<0.001	-	-	1.1	-				
12	4141631	<0.001	-	-	9.5	-				
13	4141632	0.001	-	-	1.5	-				
14	4141633	<0.001	-	-	1.3	-				
15	4141634	<0.001	-	-	9.4	-				
16	4141635	0.001	-	-	1.8	-				
17	4141636	<0.001	<0.001	-	29.0	-				
18	4141637	0.001	-	-	-	50				
19	4141638	<0.001	-	-	33.0	-				
20	4141639	<0.001	<0.001	-	27.0	-				
21	4141640	<0.001	-	-	11.0	-				
22	4141641	0.001	-	-	1.3	-				
23	4141642	<0.001	-	-	1.9	-				
24	4141643	<0.001	-	-	0.6	-				
25	4141644	<0.001	-	-	0.6	-				

Results in ppm unless otherwise specified
- element not determined

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742102

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METHOD	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141645	<0.001	-	-	<0.5	-				
2	4141646	<0.001	-	-	14.0	-				
3	4141647	<0.001	<0.001	-	5.1	-				
4	4141648	<0.001	-	-	38.0	-				
5	4141649	<0.001	-	-	7.7	-				
	4141650	<0.001	-	-	9.0	-				
7	4141651	<0.001	-	-	2.1	-				
8	4141652	<0.001	-	-	35.0	-				
9	4141653	<0.001	<0.001	-	11.0	-				
10	4141654	<0.001	-	-	14.0	-				
11	4141655	0.001	-	-	5.8	-				
12	4141656	<0.001	-	-	11.0	-				
13	4141657	<0.001	-	-	24.0	-				
14	4141658	<0.001	-	-	<0.5	-				
15	4141659	<0.001	-	-	5.2	-				
16	4141660	<0.001	-	-	8.8	-				
17	4141661	<0.001	-	-	4.5	-				
18	4141662	<0.001	-	-	2.4	-				
19	4141663	<0.001	-	-	11.0	-				
20	4141664	<0.001	-	-	9.2	-				
21	4141665	<0.001	-	-	6.8	-				
22	4141666	<0.001	-	-	20.0	-				
23	4141667	<0.001	-	-	26.0	-				
24	4141668	<0.001	-	-	10.0	-				
25	4141669	<0.001	-	-	12.0	-				

Results in ppm unless otherwise specified
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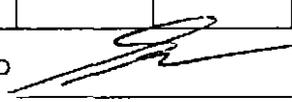
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ETHOD	SAMPLE No.	Au	Au (R)	Au (S)	As	As			
		GG326	GG326	GG326	HA140	GA140			
1	4141670	<0.001	-	-	19.0	-			
2	4141671	<0.001	-	-	3.1	-			
3	4141672	<0.001	-	<0.001	15.0	-			
4	4141673	<0.001	-	-	12.0	-			
5	4141674	<0.001	-	-	5.8	-			
6	4141675	<0.001	-	-	24.0	-			
7	4141676	<0.001	-	-	8.0	-			
8	4141677	<0.001	-	-	8.7	-			
9	4141678	<0.001	-	-	9.0	-			
10	4141679	<0.001	-	-	-	89			
11	4141680	<0.001	-	-	13.0	-			
12	4141681	<0.001	-	-	20.0	-			
13	4141682	<0.001	-	-	36.0	-			
14	4141683	<0.001	<0.001	-	13.0	-			
15	4141684	<0.001	-	-	6.9	-			
16	4141685	<0.001	-	-	2.5	-			
17	4141686	<0.001	-	-	3.7	-			
18	4141687	<0.001	-	-	0.5	-			
19	4141688	<0.001	-	-	7.7	-			
20	4141689	<0.001	-	-	33.0	-			
21	4141690	<0.001	-	<0.001	9.1	-			
22	4141691	<0.001	-	-	5.0	-			
23	4141692	<0.001	-	-	18.0	-			
24	4141693	<0.001	-	-	11.0	-			
25	4141694	<0.001	-	-	13.0	-			

Results in ppm unless otherwise specified
-- element not determined

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742104

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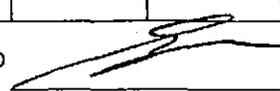
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METHOD	SAMPLE No.	Au	Au (R)	Au (S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141695	<0.001	-	-	12.0	-				
2	4141696	<0.001	<0.001	-	8.9	-				
3	4141697	<0.001	-	-	5.9	-				
4	4141698	0.002	-	-	11.0	-				
5	4141699	0.004	-	-	13.0	-				
	4141700	<0.001	-	-	2.2	-				
7	4141701	0.002	0.002	-	1.2	-				
8	4141702	0.001	-	-	3.9	-				
9	4141703	0.002	-	-	2.6	-				
10	4141704	<0.001	0.002	-	2.2	-				
11	4141705	0.002	-	-	14.0	-				
12	4141706	0.002	-	-	1.6	-				
13	4141707	0.002	-	-	7.9	-				
14	4141708	0.002	-	<0.001	23.0	-				
15	4141709	0.001	-	-	16.0	-				
16	4141710	0.002	-	-	1.6	-				
17	4141711	0.002	-	-	2.7	-				
18	4141712	0.002	-	-	12.0	-				
19	4141713	0.004	-	-	2.1	-				
20	4141714	0.002	-	-	20.0	-				
21	4141715	<0.001	-	-	19.0	-				
22	4141716	0.001	-	-	11.0	-				
23	4141717	<0.001	-	-	4.2	-				
24	4141718	<0.001	-	-	7.0	-				
25	4141719	0.001	-	-	10.0	-				

Results in ppm unless otherwise specified
 -- = element not determined

IS = insufficient sample
 SNR = sample not received

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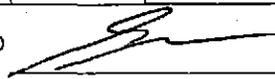
16 OF 20

	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
METHOD		GG326	GG326	GG326	HA140	GA140				
1	4141720	0.002	-	-	3.3	-				
2	4141721	<0.001	-	-	16.0	-				
3	4141722	0.002	-	-	3.8	-				
4	4141723	0.001	-	-	2.5	-				
5	4141724	0.001	-	-	1.9	-				
	4141725	<0.001	-	-	2.0	-				
7	4141726	<0.001	-	-	2.1	-				
8	4141727	<0.001	-	-	1.7	-				
9	4141728	<0.001	-	-	1.9	-				
10	4141729	<0.001	-	-	2.1	-				
11	4141730	<0.001	<0.001	-	5.0	-				
12	4141731	<0.001	-	-	10.0	-				
13	4141732	<0.001	-	-	12.0	-				
14	4141733	<0.001	-	-	1.3	-				
15	4141734	<0.001	-	<0.001	24.0	-				
16	4141735	<0.001	<0.001	-	12.0	-				
17	4141736	<0.001	-	-	0.9	-				
18	4141737	<0.001	-	-	0.9	-				
19	4141738	<0.001	-	-	9.2	-				
20	4141739	<0.001	-	-	2.0	-				
21	4141740	<0.001	-	-	2.5	-				
22	4141741	<0.001	-	-	18.0	-				
23	4141742	<0.001	-	-	16.0	-				
24	4141743	<0.001	-	-	9.7	-				
25	4141744	<0.001	-	-	6.9	-				

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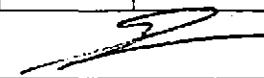
17 OF 20

METHOD	SAMPLE No	Au	Au(R)	Au(S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141745	<0.001	-	-	17.0	-				
2	4141746	<0.001	-	-	16.0	-				
3	4141747	<0.001	-	-	40.0	-				
4	4141748	<0.001	-	-	9.6	-				
5	4141749	<0.001	-	-	0.5	-				
	4141750	<0.001	-	-	4.5	-				
7	4141751	0.002	<0.001	-	<0.5	-				
8	4141752	0.004	-	-	20.0	-				
9	4141753	<0.001	<0.001	-	1.1	-				
10	4141754	0.001	-	<0.001	4.3	-				
11	4141755	0.004	-	-	20.0	-				
12	4141756	0.002	-	-	4.8	-				
13	4141757	<0.001	-	<0.001	3.8	-				
14	4141758	0.004	-	-	24.0	-				
15	4141759	<0.001	-	-	8.6	-				
16	4141760	0.002	-	-	8.3	-				
17	4141761	0.004	-	-	1.3	-				
18	4141762	0.001	-	-	14.0	-				
19	4141763	0.004	-	-	4.5	-				
20	4141764	<0.001	-	-	16.0	-				
21	4141765	0.001	-	-	21.0	-				
22	4141766	<0.001	-	-	<0.5	-				
23	4141767	<0.001	-	-	3.5	-				
24	4141768	<0.001	-	-	8.7	-				
25	4141769	<0.001	-	-	1.1	-				

 Results in ppm unless otherwise specified
 = element not determined

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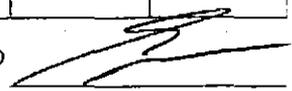
18 OF 20

METHOD	SAMPLE No.	AU	AU (R)	AU (S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141770	<0.001	-	-	4.6	-				
2	4141771	<0.001	-	-	6.3	-				
3	4141772	<0.001	-	-	18.0	-				
4	4141773	<0.001	-	-	19.0	-				
5	4141774	<0.001	-	-	0.9	-				
	4141775	<0.001	-	-	<0.5	-				
7	4141776	<0.001	-	-	<0.5	-				
8	4141777	0.001	-	-	<0.5	-				
9	4141778	0.001	-	-	6.0	-				
10	4141779	<0.001	-	-	6.3	-				
11	4141780	<0.001	-	-	5.4	-				
12	4141781	<0.001	-	-	10.0	-				
13	4141782	<0.001	-	-	15.0	-				
14	4141783	0.002	-	-	42.0	-				
15	4141784	<0.001	-	-	4.5	-				
16	4141785	<0.001	-	-	45.0	-				
17	4141786	<0.001	-	-	2.4	-				
18	4141787	<0.001	-	-	-	65				
19	4141788	0.001	-	-	33.0	-				
20	4141789	<0.001	-	-	4.5	-				
21	4141790	<0.001	<0.001	-	8.7	-				
22	4141791	<0.001	-	-	5.1	-				
23	4141792	<0.001	<0.001	<0.001	14.0	-				
24	4141793	<0.001	-	-	37.0	-				
25	4141794	<0.001	-	-	13.0	-				

Results in ppm unless otherwise specified
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METHOD	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141795	<0.001	-	-	2.8	-				
2	4141796	0.002	-	-	26.0	-				
3	4141797	0.004	-	-	4.6	-				
4	4141798	0.004	-	-	-	50				
5	4141799	0.001	-	-	5.8	-				
	4141800	<0.001	-	-	1.9	-				
7	4141801	0.002	-	-	10.0	-				
8	4141802	<0.001	-	-	4.4	-				
9	4141803	<0.001	-	-	2.9	-				
10	4141804	0.011	-	-	10.0	-				
11	4141805	0.004	-	-	34.0	-				
12	4141806	<0.001	-	<0.001	39.0	-				
13	4141807	<0.001	<0.001	-	8.0	-				
14	4141808	<0.001	-	-	18.0	-				
15	4141809	<0.001	-	-	4.7	-				
16	4141810	0.001	-	-	3.8	-				
17	4141811	<0.001	-	-	5.9	-				
18	4141812	0.010	-	-	2.0	-				
19	4141813	0.001	-	-	6.5	-				
20	4141814	<0.001	-	-	4.3	-				
21	4141815	<0.001	<0.001	-	2.8	-				
22	4141816	<0.001	-	-	6.7	-				
23	4141817	0.004	-	-	2.4	-				
24	4141818	<0.001	-	-	20.0	-				
25	4141819	<0.001	-	-	17.0	-				

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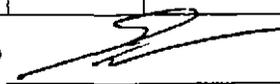
20 OF 20

METHOD	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
		GG326	GG326	GG326	HA140	GA140				
1	4141820	<0.001	-	-	2.1	-				
2	4141821	0.001	-	-	1.9	-				
3	4141822	<0.001	-	-	2.1	-				
4	4141823	0.001	-	-	1.4	-				
5	4141824	<0.001	-	-	<0.5	-				
	4141825	0.001	-	-	15.0	-				
7	4141826	<0.001	-	-	<0.5	-				
8	4141827	0.001	-	-	<0.5	-				
9	4141828	<0.001	-	-	8.7	-				
10	4141829	<0.001	<0.001	-	5.7	-				
11	4141830	<0.001	-	-	3.0	-				
12	4141831	<0.001	-	<0.001	5.1	-				
13	4141832	<0.001	-	-	3.9	-				
14	4141833	<0.001	-	-	3.9	-				
15	4141834	0.001	-	-	1.7	-				
16	4141835	<0.001	-	-	1.7	-				
17										
18										
19										
20										
21										
22										
23										
24	DETECTION	0.001	0.001	0.001	0.5	50				
25	UNITS	ppm	ppm	ppm	ppm	ppm				

Results in ppm unless otherwise specified
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CRA EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

Head Office: 55 Collins Street, Melbourne, Vic.
DESPATCH ADVICE, PACKING SLIP & ORDER

★ DPO No.: 77190

CIS COPY

★ From CRAE office at 1123 Bell St
Preston Vic 3072 ★ Date: 11/10/95

★ To Laboratory: Analabs
★ Lab. address: 14 Thirkell St
Coee Tasmania 7320

★ 1:250000 sheet(s): Burnce
★ Investigation: Balfour Cu
★ Tenement: Balfour EL 4/94
Mt Frankland EL 18/92
Complete on District, CIS & File copies only

★ No. of samples: 527 (additional assays)

COPIES OF THE RESULTS REPORT TO BE FORWARDED TO CRA EXPLORATION PTY LIMITED AT:

- 1. PO Box 8093 Northland Centre Vic 3072
- ★ Attn: Sandy Mendes
- 2. a/a

Samples despatched per
Addressed: Samples stored on site

★ Return residues to:

- Attn: Administration Officer WITH THE INVOICE
- 3. PO Box 3709, Manuka ACT 2603 Australia
Attention: CRAE Information Systems

Copy of (for CRAE laboratory only):

Sample location plan attached

Sample ledger attached

QUOTE DPO NUMBER ON ALL REPORTS AND INVOICE.

Samples			Work Required
Start No.	End No.	Qty	
			Please carry out additional assays of existing pulps: XRF (GX401) - Sn, Cu
4141302	4141307	6	DPO 81227 Report 104165.60.10693
	4141309	1	
4141314	4141478	165	
4141479	4141473	15	DPO 51230 Report 104165.60.10769
4141495	4141593	99	
4141595	4141835	241	DPO 77184 Report 104165.60.10795
			Total 527 samples Approx cost \$5,600

IMPORTANT — Each sample type must be entered separately with the following clearly shown:

1. Appropriate sample type,
2. Assay methods,
3. Laboratory method codes,
4. Preassay treatment,
5. Any special assay requirements,
6. Elements/minerals to be determined.

Cost code(s) 213 G02136 Authorised by *[Signature]*

113 G02141

77190

742111

Phone (004) 316837

14 Thirkeli St. COOEE TAS 7320

Fax (004) 318890

ANALYTICAL REPORT No.

104165.60.11319

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

CRA Exploration Pty Limited
P.O. Box 8093
NORTHLAND CENTRE VIC 3072

ORDER No.

PROJECT

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DATE RECEIVED

RESULTS REQUIRED

12/10/95

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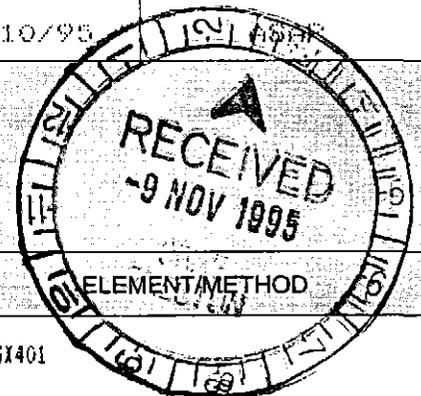
TOTAL No.
OF SAMPLES

22

03/11/95

1

524



SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

VARIOUS

FU Prep : 6P001 RETREIVE PULPS

Sn. W/GX401

RESULTS
TO

Ms S Menpes
CRA Exploration Pty Ltd
P O Box 8093
NORTHLAND CENTRE VIC 3072

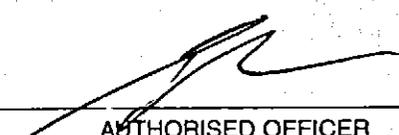
RESULTS
TO

Mr C Hayward
CRA Exploration Pty Limited
P.O. Box 8093
NORTHLAND CENTRE VIC 3072

RESULTS
TO

Exploration Technology & Information
Group
Information Resources
Private Bag 3 Bundoora MDC
Victoria 3083

REMARKS


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**ANALYTICAL DATA****742112**

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METHOD	SAMPLE No	Sn	W						
		GX401	GX401						
1	4141302	IS	-						
2	4141303	7	<10						
3	4141304	6	<10						
4	4141305	8	<10						
5	4141306	7	<10						
6	4141307	8	<10						
7	4141309	6	<10						
8	4141314	10	<10						
9	4141315	4	<10						
10	4141316	7	<10						
11	4141317	7	<10						
12	4141318	8	<10						
13	4141319	7	<10						
14	4141320	7	<10						
15	4141321	IS	-						
16	4141322	6	<10						
17	4141323	6	<10						
18	4141324	7	<10						
19	4141325	10	<10						
20	4141326	<3	<10						
21	4141327	7	<10						
22	4141328	7	<10						
23	4141329	8	<10						
24	4141330	14	<10						
25	4141331	8	<10						

Results in ppm unless otherwise specified
- = element not determinedIS = insufficient sample
SNR = sample not receivedAUTHORISED
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	SAMPLE No	Sn	W						
METHOD		GX401	GX401						
1	4141332	13	<10						
2	4141333	7	<10						
3	4141334	9	<10						
4	4141335	9	<10						
5	4141336	6	<10						
6	4141337	12	<10						
7	4141338	<3	<10						
8	4141339	7	<10						
9	4141340	4	<10						
10	4141341	5	<10						
11	4141342	4	<10						
12	4141343	7	<10						
13	4141344	8	<10						
14	4141345	5	<10						
15	4141346	5	<10						
16	4141347	6	<10						
17	4141348	9	<10						
18	4141349	5	<10						
19	4141350	<3	<10						
20	4141351	8	<10						
21	4141352	8	<10						
22	4141353	6	<10						
23	4141354	7	<10						
24	4141355	10	<10						
25	4141356	12	<10						

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	SAMPLE No.	Sn	W						
METHOD		GX401	GX401						
1	4141357	10	<10						
2	4141358	11	<10						
3	4141359	5	<10						
4	4141360	7	10						
5	4141361	8	<10						
	4141362	10	<10						
7	4141363	14	15						
8	4141364	5	<10						
9	4141365	6	<10						
10	4141366	10	<10						
11	4141367	11	<10						
12	4141368	8	<10						
13	4141369	9	<10						
14	4141370	8	<10						
15	4141371	9	30						
16	4141372	7	<10						
17	4141373	5	<10						
18	4141374	10	10						
19	4141375	7	<10						
20	4141376	9	<10						
21	4141377	4	<10						
22	4141378	36	<10						
23	4141379	6	<10						
24	4141380	12	<10						
25	4141381	20	<10						

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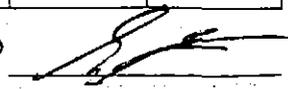
4 OF 22

METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141382	<3	<10						
2	4141383	9	<10						
3	4141384	<3	<10						
4	4141385	5	<10						
5	4141386	10	<10						
	4141387	6	<10						
7	4141388	6	<10						
8	4141389	4	<10						
9	4141390	8	<10						
10	4141391	9	<10						
11	4141392	8	<10						
12	4141393	6	<10						
13	4141394	<3	<10						
14	4141395	4	<10						
15	4141396	8	<10						
16	4141397	7	<10						
17	4141398	9	<10						
18	4141399	5	<10						
19	4141400	10	<10						
20	4141401	6	15						
21	4141402	6	10						
22	4141403	8	10						
23	4141404	11	10						
24	4141405	7	10						
25	4141406	18	10						

results in ppm unless otherwise specified
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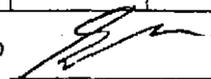
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	SAMPLE No	Sn	W						
METHOD		GX401	GX401						
1	4141407	8	10						
2	4141408	7	10						
3	4141409	8	10						
4	4141410	12	<10						
5	4141411	8	20						
6	4141412	9	15						
7	4141413	9	20						
8	4141414	4	15						
9	4141415	10	10						
10	4141416	4	20						
11	4141417	10	25						
12	4141418	7	20						
13	4141419	8	10						
14	4141420	9	10						
15	4141421	5	10						
16	4141422	11	15						
17	4141423	7	10						
18	4141424	5	20						
19	4141425	<3	30						
20	4141426	12	10						
21	4141427	10	25						
22	4141428	6	15						
23	4141429	7	30						
24	4141430	13	<10						
25	4141431	6	10						

 Results in ppm unless otherwise specified
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	SAMPLE No.	Sn	W						
METHOD		GX401	GX401						
1	4141432	11	30						
2	4141433	5	<10						
3	4141434	5	<10						
4	4141435	11	<10						
5	4141436	6	<10						
	4141437	<3	<10						
7	4141438	10	<10						
8	4141439	12	<10						
9	4141440	<3	45						
10	4141441	11	<10						
11	4141442	5	<10						
12	4141443	7	<10						
13	4141444	8	<10						
14	4141445	7	<10						
15	4141446	7	<10						
16	4141447	<3	<10						
17	4141448	32	<10						
18	4141449	11	<10						
19	4141450	9	<10						
20	4141451	7	<10						
21	4141452	6	<10						
22	4141453	5	<10						
23	4141454	6	<10						
24	4141455	<3	<10						
25	4141456	<3	<10						

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

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	SAMPLE No.	Sn	W						
METHOD		GX401	GX401						
1	4141457	5	<10						
2	4141458	10	<10						
3	4141459	31	<10						
4	4141460	976	<10						
5	4141461	9	<10						
	4141462	<3	<10						
7	4141463	5	<10						
8	4141464	328	<10						
9	4141465	10	<10						
10	4141466	9	<10						
11	4141467	5	<10						
12	4141468	5	<10						
13	4141469	7	<10						
14	4141470	7	<10						
15	4141471	6	<10						
16	4141472	4	<10						
17	4141473	11	<10						
18	4141474	7	<10						
19	4141475	7	<10						
20	4141476	4	<10						
21	4141477	7	<10						
22	4141478	10	<10						
23	4141479	4	<10						
24	4141480	4	<10						
25	4141481	5	<10						

results in ppm unless otherwise specified
 -- = element not determined

IS = insufficient sample
 SNR = sample not received

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**ANALYTICAL DATA**

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	SAMPLE No.	Sn	W						
METHOD		GX401	GX401						
1	4141482	6	<10						
2	4141483	8	<10						
3	4141484	8	<10						
4	4141485	6	<10						
5	4141486	5	<10						
6	4141487	9	<10						
7	4141488	10	<10						
8	4141489	11	<10						
9	4141490	8	<10						
10	4141491	9	<10						
11	4141492	9	<10						
12	4141493	10	<10						
13	4141495	8	<10						
14	4141496	11	<10						
15	4141497	6	<10						
16	4141498	6	<10						
17	4141499	<3	<10						
18	4141500	<3	<10						
19	4141501	6	<10						
20	4141502	<3	<10						
21	4141503	<3	<10						
22	4141504	<3	<10						
23	4141505	<3	<10						
24	4141506	9	<10						
25	4141507	5	<10						

Results in ppm unless otherwise specified
-- = element not determinedIS = insufficient sample
SNR = sample not receivedAUTHORISED
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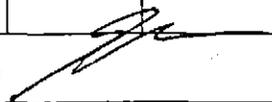
9 OF 22

METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141508	12	<10						
2	4141509	7	<10						
3	4141510	11	<10						
4	4141511	8	<10						
5	4141512	5	<10						
	4141513	4	<10						
7	4141514	5	<10						
8	4141515	10	<10						
9	4141516	IS	-						
10	4141517	5	<10						
11	4141518	7	<10						
12	4141519	6	<10						
13	4141520	8	<10						
14	4141521	10	<10						
15	4141522	8	<10						
16	4141523	7	<10						
17	4141524	5	<10						
18	4141525	<3	<10						
19	4141526	<3	<10						
20	4141527	7	<10						
21	4141528	11	<10						
22	4141529	8	<10						
23	4141530	7	<10						
24	4141531	8	<10						
25	4141532	4	<10						

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

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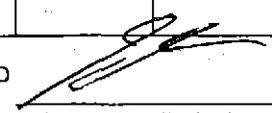
10 OF 22

ETHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141533	7	<10						
2	4141534	7	<10						
3	4141535	4	<10						
4	4141536	6	<10						
5	4141537	7	<10						
	4141538	9	<10						
7	4141539	9	<10						
8	4141540	10	<10						
9	4141541	9	<10						
10	4141542	5	<10						
11	4141543	8	<10						
12	4141544	5	<10						
13	4141545	8	<10						
14	4141546	6	<10						
15	4141547	4	<10						
16	4141548	7	<10						
17	4141549	6	<10						
18	4141550	5	<10						
19	4141551	<3	<10						
20	4141552	9	<10						
21	4141553	8	<10						
22	4141554	<3	<10						
23	4141555	4	<10						
24	4141556	4	<10						
25	4141557	7	<10						

Results in ppm unless otherwise specified
 -- = element not determined

IS = insufficient sample
 SNR = sample not received

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METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141558	6	<10						
2	4141559	8	<10						
3	4141560	15	<10						
4	4141561	13	<10						
5	4141562	10	<10						
	4141563	14	<10						
7	4141564	12	<10						
8	4141565	9	<10						
9	4141566	13	<10						
10	4141567	13	<10						
11	4141568	9	<10						
12	4141569	11	<10						
13	4141570	11	<10						
14	4141571	7	<10						
15	4141572	12	<10						
16	4141573	6	<10						
17	4141574	8	<10						
18	4141575	15	<10						
19	4141576	11	<10						
20	4141577	10	<10						
21	4141578	7	20						
22	4141579	11	<10						
23	4141580	14	<10						
24	4141581	14	<10						
25	4141582	9	<10						

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141583	10	<10						
2	4141584	10	<10						
3	4141585	11	<10						
4	4141586	5	<10						
5	4141587	12	<10						
	4141588	9	<10						
7	4141589	8	<10						
8	4141590	12	<10						
9	4141591	9	<10						
10	4141592	12	<10						
11	4141593	13	<10						
12	4141595	11	15						
13	4141596	10	<10						
14	4141597	9	<10						
15	4141598	12	<10						
16	4141599	8	<10						
17	4141600	SNR	SNR						
18	4141601	12	<10						
19	4141602	10	<10						
20	4141603	13	<10						
21	4141604	9	<10						
22	4141605	10	<10						
23	4141606	7	<10						
24	4141607	12	<10						
25	4141608	6	<10						

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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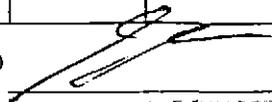
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METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141609	14	15						
2	4141610	12	<10						
3	4141611	10	<10						
4	4141612	9	<10						
5	4141613	13	<10						
	4141614	9	<10						
7	4141615	9	<10						
8	4141616	10	<10						
9	4141617	9	15						
10	4141618	9	<10						
11	4141619	6	<10						
12	4141620	5	<10						
13	4141621	9	<10						
14	4141622	11	<10						
15	4141623	9	<10						
16	4141624	10	<10						
17	4141625	33	<10						
18	4141626	5	<10						
19	4141627	10	<10						
20	4141628	8	<10						
21	4141629	12	<10						
22	4141630	14	<10						
23	4141631	13	<10						
24	4141632	7	<10						
25	4141633	8	<10						

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141634	11	<10						
2	4141635	12	<10						
3	4141636	11	<10						
4	4141637	9	<10						
5	4141638	10	<10						
6	4141639	10	<10						
7	4141640	13	<10						
8	4141641	9	<10						
9	4141642	8	<10						
10	4141643	11	<10						
11	4141644	9	<10						
12	4141645	7	<10						
13	4141646	10	<10						
14	4141647	10	<10						
15	4141648	11	<10						
16	4141649	13	<10						
17	4141650	14	<10						
18	4141651	11	<10						
19	4141652	<3	<10						
20	4141653	7	<10						
21	4141654	5	<10						
22	4141655	7	<10						
23	4141656	9	<10						
24	4141657	5	<10						
25	4141658	7	<10						

results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

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	SAMPLE No.	Sn	W						
METHOD		GX401	GX401						
1	4141659	<3	<10						
2	4141660	6	<10						
3	4141661	<3	<10						
4	4141662	6	<10						
5	4141663	4	<10						
6	4141664	<3	<10						
7	4141665	6	<10						
8	4141666	<3	<10						
9	4141667	4	30						
10	4141668	<3	<10						
11	4141669	8	<10						
12	4141670	6	<10						
13	4141671	8	<10						
14	4141672	4	<10						
	4141673	9	<10						
16	4141674	<3	<10						
17	4141675	11	<10						
18	4141676	7	<10						
19	4141677	7	<10						
20	4141678	7	<10						
21	4141679	10	<10						
22	4141680	4	<10						
23	4141681	7	<10						
24	4141682	7	<10						
25	4141683	5	<10						

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

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742127

ANALYTICAL DATA

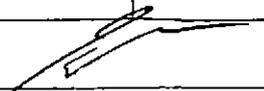
SAMPLE PREFIX REPORT No REPORT DATE CLIENT ORDER No. PAGE

SAMPLE PREFIX		REPORT No	REPORT DATE	CLIENT ORDER No.	PAGE	
		104165.60.11319	03/11/95	77190	16	OF 22
METHOD	SAMPLE No.	Sn	W			
		GX401	GX401			
1	4141684	8	<10			
2	4141685	6	<10			
3	4141686	8	<10			
4	4141687	9	<10			
5	4141688	5	<10			
6	4141689	<3	<10			
7	4141690	6	<10			
8	4141691	5	<10			
9	4141692	<3	<10			
10	4141693	10	<10			
11	4141694	6	<10			
12	4141695	<3	<10			
13	4141696	<3	<10			
14	4141697	5	<10			
15	4141698	6	<10			
16	4141699	5	<10			
17	4141700	4	<10			
18	4141701	<3	<10			
19	4141702	<3	<10			
20	4141703	<3	<10			
21	4141704	6	<10			
22	4141705	5	<10			
23	4141706	<3	<10			
24	4141707	6	<10			
25	4141708	7	<10			

Results in ppm unless otherwise specified
-- = element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

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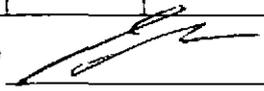
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METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141709	<3	<10						
2	4141710	5	<10						
3	4141711	5	<10						
4	4141712	5	<10						
5	4141713	<3	<10						
6	4141714	<3	<10						
7	4141715	5	<10						
8	4141716	<3	<10						
9	4141717	8	<10						
10	4141718	<3	<10						
11	4141719	6	<10						
12	4141720	<3	<10						
13	4141721	5	<10						
14	4141722	7	<10						
	4141723	4	<10						
16	4141724	6	<10						
17	4141725	4	<10						
18	4141726	<3	<10						
19	4141727	9	<10						
20	4141728	<3	<10						
21	4141729	<3	<10						
22	4141730	9	<10						
23	4141731	5	<10						
24	4141732	<3	<10						
25	4141733	4	<10						

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

SAMPLE PREFIX			REPORT No.	REPORT DATE	CLIENT ORDER No.	PAGE	
			104165.60.11319	03/11/95	77190	18	OF 22
METHOD	SAMPLE No.	Sn	W				
		GX401	GX401				
1	4141734	7	<10				
2	4141735	8	<10				
3	4141736	<3	<10				
4	4141737	<3	<10				
5	4141738	<3	<10				
6	4141739	7	<10				
7	4141740	6	<10				
8	4141741	7	<10				
9	4141742	5	<10				
10	4141743	<3	<10				
11	4141744	5	<10				
12	4141745	4	<10				
13	4141746	5	<10				
14	4141747	8	<10				
15	4141748	8	<10				
16	4141749	6	<10				
17	4141750	<3	<10				
18	4141751	<3	<10				
19	4141752	<3	<10				
20	4141753	6	<10				
21	4141754	6	<10				
22	4141755	7	<10				
23	4141756	7	<10				
24	4141757	4	<10				
25	4141758	6	<10				

Results in ppm unless otherwise specified
-- element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

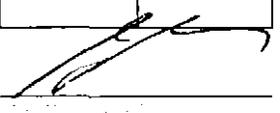
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METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141759	6	<10						
2	4141760	4	<10						
3	4141761	9	<10						
4	4141762	5	<10						
5	4141763	6	<10						
6	4141764	6	<10						
7	4141765	<3	<10						
8	4141766	<3	<10						
9	4141767	<3	<10						
10	4141768	7	<10						
11	4141769	5	<10						
12	4141770	7	<10						
13	4141771	6	<10						
14	4141772	7	<10						
	4141773	<3	<10						
16	4141774	5	<10						
17	4141775	4	<10						
18	4141776	6	<10						
19	4141777	8	<10						
20	4141778	7	<10						
21	4141779	6	<10						
22	4141780	4	<10						
23	4141781	5	<10						
24	4141782	7	<10						
25	4141783	5	<10						

results in ppm unless otherwise specified
= element not determined

IS = insufficient sample
SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX

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SAMPLE PREFIX		REPORT No.		REPORT DATE		CLIENT ORDER No.		PAGE	
		104165.60.11319		03/11/95		77190		20 OF 22	
METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141784	4	<10						
2	4141785	4	<10						
3	4141786	5	<10						
4	4141787	6	<10						
5	4141788	5	<10						
6	4141789	7	<10						
7	4141790	7	<10						
8	4141791	6	<10						
9	4141792	9	<10						
10	4141793	5	<10						
11	4141794	8	<10						
12	4141795	5	<10						
13	4141796	6	<10						
14	4141797	7	<10						
	4141798	8	<10						
16	4141799	SNR	SNR						
17	4141800	6	<10						
18	4141801	10	<10						
19	4141802	7	<10						
20	4141803	<3	<10						
21	4141804	7	<10						
22	4141805	6	<10						
23	4141806	5	<10						
24	4141807	8	<10						
25	4141808	5	<10						

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX

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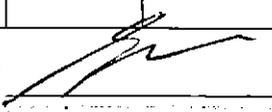
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METHOD	SAMPLE No.	Sn	W						
		GX401	GX401						
1	4141809	4	<10						
2	4141810	6	<10						
3	4141811	7	<10						
4	4141812	9	<10						
5	4141813	7	<10						
6	4141814	10	<10						
7	4141815	7	<10						
8	4141816	11	<10						
9	4141817	7	<10						
10	4141818	<3	<10						
11	4141819	<3	<10						
12	4141820	8	<10						
13	4141821	7	<10						
14	4141822	10	<10						
	4141823	8	<10						
16	4141824	10	<10						
17	4141825	11	<10						
18	4141826	12	<10						
19	4141827	6	20						
20	4141828	6	10						
21	4141829	9	<10						
22	4141830	7	<10						
23	4141831	8	<10						
24	4141832	5	<10						
25	4141833	10	<10						

Results in ppm unless otherwise specified
 - = element not determined

IS = insufficient sample
 SNR = sample not received

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ANALYTICAL DATA

SAMPLE PREFIX REPORT No. REPORT DATE CLIENT ORDER No. PAGE

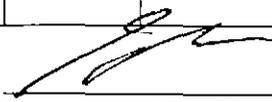
104165.60.11319 03/11/95 77190 22 OF 22

	SAMPLE No.	Sn	W						
METHOD		GX401	GX401						
1	4141834	10	<10						
2	4141835	10	<10						
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24	DETECTION	3	10						
25	UNITS	ppm	ppm						

Results in ppm unless otherwise specified
- = element not determined

IS = insufficient sample
SNR = sample not received

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Appendix 3

Nelson Prospect IP Survey:
Acquisition, Processing and Interpretation
Report by J Tesselaar

CRA Exploration Pty. Ltd.
N.S.W. District

Memorandum

To: S. Menpes
Copy to: A. Doe
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From: J. M. Tesselaar
Date: 23 October 1995

Summary of Balfour IP

Summary:

During March and April of this year three lines of IP were conducted by Zonge Engineering over the Nelson prospect.

The data quality from this survey is very poor. Most of this however can be contributed to the very conductive ground and surface water in the area.

A series of chargeability highs and resistivity lows which appear on the psuedosections are interpreted as black shales.

There are no other significant anomalies on these sections.

No further work is recommended for this prospect to follow up on the IP.

Details

During March and April of this year three lines of IP were undertaken by Zonge Engineering over the Balfour prospect (plan Tv957). Approximately 10 line km was surveyed in total.

It took approximately 26 days to complete the survey. Progress was slow for numerous factors. These included noisy ground, the weather, equipment breakdown (both CRAE and Zonge), and problems with access to the ends of the lines.

When future Tasmanian geophysical surveys are planned it would be important to bear these sorts of figures in mind when budgeting for the surveys.

The survey data was very noisy as can be seen in the pseudosections. TN in the sections indicates that the data was too noisy or was erroneous. In most cases this is attributed to the conductive ground. (For example the apparent resistivities between 21900 E and 22150 E on line 3200 N are around 0 - 5 Ohm Metres. In the same region most of the chargeability data was too noisy to include in the pseudosections.)

Some of the other noise problems were caused by surface water. In some swampy areas, there was up to 30 cm of surface water. These zones had a lateral extent of up to 150 m. In these areas, the receiving pots were electrically connected. Most of the data collected in these swampy areas was too noisy.

IP was used over the Nelson prospect in an effort to find a large disseminated copper gold ore body.

Line 31600 N (plan Tv1003) has a pattern of pants leg chargeability highs, associated with resistivity lows. These zones are interpreted as layers of black shale. Four of these bodies have been identified on Line 31600N. Black shales in IP surveys are often characterised by a chargeability high and resistivity low.

Line 32000 N (plan Tv1004) also has a similar pattern of these chargeability highs and resistivity lows. These bodies are also interpreted as black shales. As can be seen in Table 1, there is a lot of continuity between the black shale zones on the lines. This is all the more reason to believe that these zones are lithological rather than ore related.

Line 33600 N (plan Tv1005) only has one distinctive black shale zone which starts at 20900 E. This zone looks as if it is an amalgamation of some of the other black shale zones found on the previous sections (mainly zones 2 & 3). No other significant anomalies are found on this line. To the East of 19200, a zone of elevated chargeability is found, without a conductivity low. This area is probably not related to black shales, however there is no "distinct target" in this zone.

Zone	Line 31600N		Line 32000N		Line 33600 N	
	Start (E)	Finish (E)	Start (E)	Finish (E)	Start (E)	Finish (E)
1	20500	20600	20450	20600		
2	20850	21000	20950	21150	20900	to
3	21500	22000	21300	21600	to	22000
4	22300	22600	21750	22400		

Table 1: Summary of black shale zones on IP lines

Discussion/Recommendations

No other significant chargeability anomaly has been identified besides the black shales on these pseudosections. There is no indication on these sections of a large accumulation of chargeable sulphides.

No further work is recommended for the Nelson prospect to follow up the IP.

Regards,


J. Tesselaar