

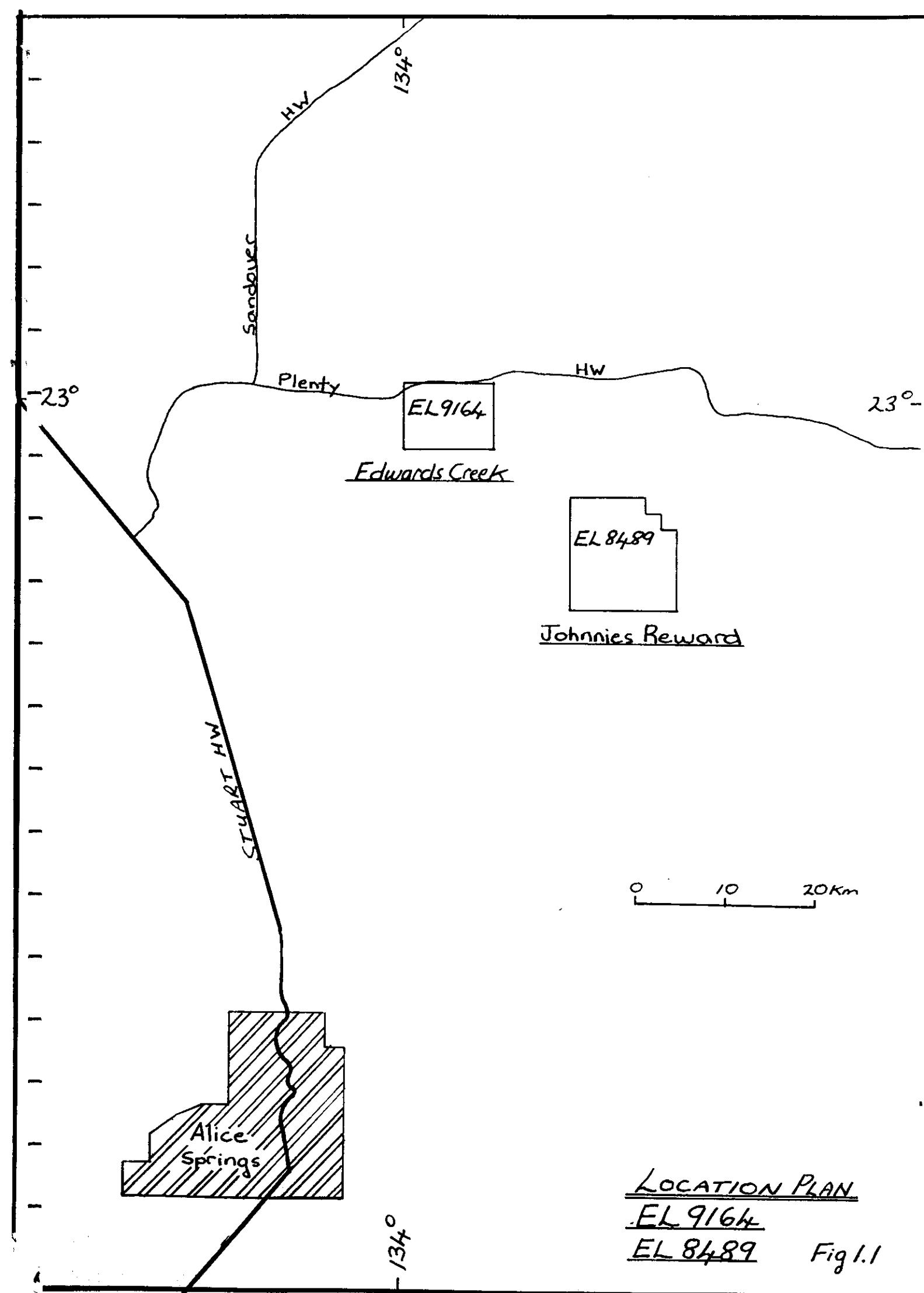
EL9164  
EDWARDS CREEK

**ANNUAL REPORT**

CENTRALFIELD MINERALS PTY LTD  
MR 9421

A. Mackie  
September 1996

**IMAGED**



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## **1. INTRODUCTION**

EL9164 comprising 24 graticular blocks (77 sq km) was granted to Centralfield Minerals Pty Ltd on 15 August 1995, for a period of six years.

## **2. LOCATION (Figure 1)**

EL9164 straddles the northern boundary of the Alice Springs 1:250 000 map sheet area approximately 80km north north east of Alice Springs township. Access is via the Stuart Highway for 70 kilometres until the turnoff to the Plenty Highway thence 45 kilometres east until Edwards Creek is reached. A bush track commencing 100 metres east of Edwards Creek trending south east for 5 kilometres ends at the Edwards Creek base metal prospect.

## **3. 1995 EXPLORATION PROGRAM**

During 1995 field season Pasminco Exploration conducted an orientation sampling program collecting 5 drainage samples from the catchment of Edwards Creek prospect. They also completed a soil sampling survey over the prospect along line 5400N collecting 13 samples from 4750E to 5250E.

The drainage samples were separated into heavy and light fractions and analysed for a variety of elements. The soil samples included one sample from each site for conventional analysis while another sample was taken from mobile metal ion analysis - MMI soil sampling analysis. The results of the sampling programmes are the subject of a Pasminco Exploration report included here as Appendix 1.

## **4. EXPENDITURE**

Literature Search	2000.00
Re-establish existing grid	2900.00
Pasminco sampling program	
- drainage	
- MMI	5600.00
- soils	1575.00
<b>TOTAL</b>	<b><u>12075.00</u></b>

## **5. CONCLUSIONS**

The Pasminco sampling program revealed a moderate base metal anomaly over the Edwards Creek gossan, however a lack of significant gold mineralisation considerably downgraded the prospectivity of the area hence it is recommended that EL9164 be surrendered.

PASMINCO EXPLORATION

**EASTERN ARUNTAS  
NORTHERN TERRITORY**

**ORIENTATION DRAINAGE AND SOIL GEOCHEMICAL SURVEYS  
EDWARDS CREEK PROSPECT  
OCTOBER 1995**

(data extracted from Pasminco Exploration Report No. SA 26, February 1996)

## **4 DRAINAGE SAMPLING**

### **4.1 Heavy Mineral Sampling**

#### **4.1.1 Program**

##### **Sampling Locations**

Orientation sampling was undertaken in the catchment containing the ..... Edwards Creek (5 samples)

Samples were located so as to capture sediment from progressively larger areas of the catchment containing the mineral occurrence. These capture areas range from approximately 2 km<sup>2</sup> to 30-40 km<sup>2</sup>. Sample locations are shown in Figures 3-5.

At least one "background" sample was collected in each area, usually from upstream of the prospect area (or confluence with tributary draining the prospect area) and/or from a separate catchment not including the mineral occurrence.

It was initially planned that at least one duplicate sample (from different traps on the same stretch of creek) would be collected in each of the three areas. Time constraints meant that this was only done at .....

##### **Sampling Procedure**

The best available trap sites were dug out to approximately 0.5m and the gravels/coarse sands sieved to a nominal -2mm. In most cases the gravels were initially sieved at 5mm, collecting the undersize on a plastic sheet. Some traps were sampled at shallower depth where the gravels rested directly on bedrock. Usually at least two traps were sampled although if one was clearly superior to the others then it was sampled exclusively. Approximately 15-20kg of the -2mm material was collected and double bagged in 350x600mm calico bags.

Trap sites ranged in quality. Rock bars were usually absent in the wider sandier creeks but it was usually possible to find reasonable traps in the lee of large gum trees growing in the active part of the channel. Examples of some of the traps sampled are shown in Plates 1-3 .

##### **Gravity and Magnetic Separation**

Amdel (Adelaide) were contracted to process the samples and the following procedure was adopted:

1. Weigh sample.
2. Sieve at 1mm, retaining +1mm fraction after weighing.
3. Table the -1mm fraction. Collect, dry and weigh the table concentrate. Discard the table tailing.
4. Separate the table concentrate in tetrabromoethane (sp. gr. 2.96) collecting and weighing the >2.96 sp. gr. product. Retain the <2.96 sp. gr. product.

5. Separate the >2.96 sp. gr. product magnetically to give a ferromagnetic fraction, a moderately magnetic fraction, a weakly magnetic fraction and a non-magnetic fraction. Weigh the fractions.

#### Analytical Scheme

A 20g riffle split of each of the four separation products was analysed for Cu Pb Zn Ba W Mn P Sn Zr Cr Ti Ni using a total digest (alkaline fusion) and combination of ICP-OES and ICP-MS (Amdel IC4E and IC4M).

#### **4.2 Silt Sampling**

##### **4.2.1 Program**

#### Sampling Locations

Samples of active stream sediment were collected at each of the heavy mineral sample locations (Figures 3-5).

#### Sampling Procedure

Active stream sand/silt was collected from numerous points across the full width of the active channel. Two size fractions, minus 80 mesh (-200um) and minus 40 mesh (-450um), were sieved on site. Sample size was 300-500g for both fractions.

Light rainfall on 21 October prevented sieving of the minus 80 mesh fraction at all but one of the locations in the Johnnies Reward area.

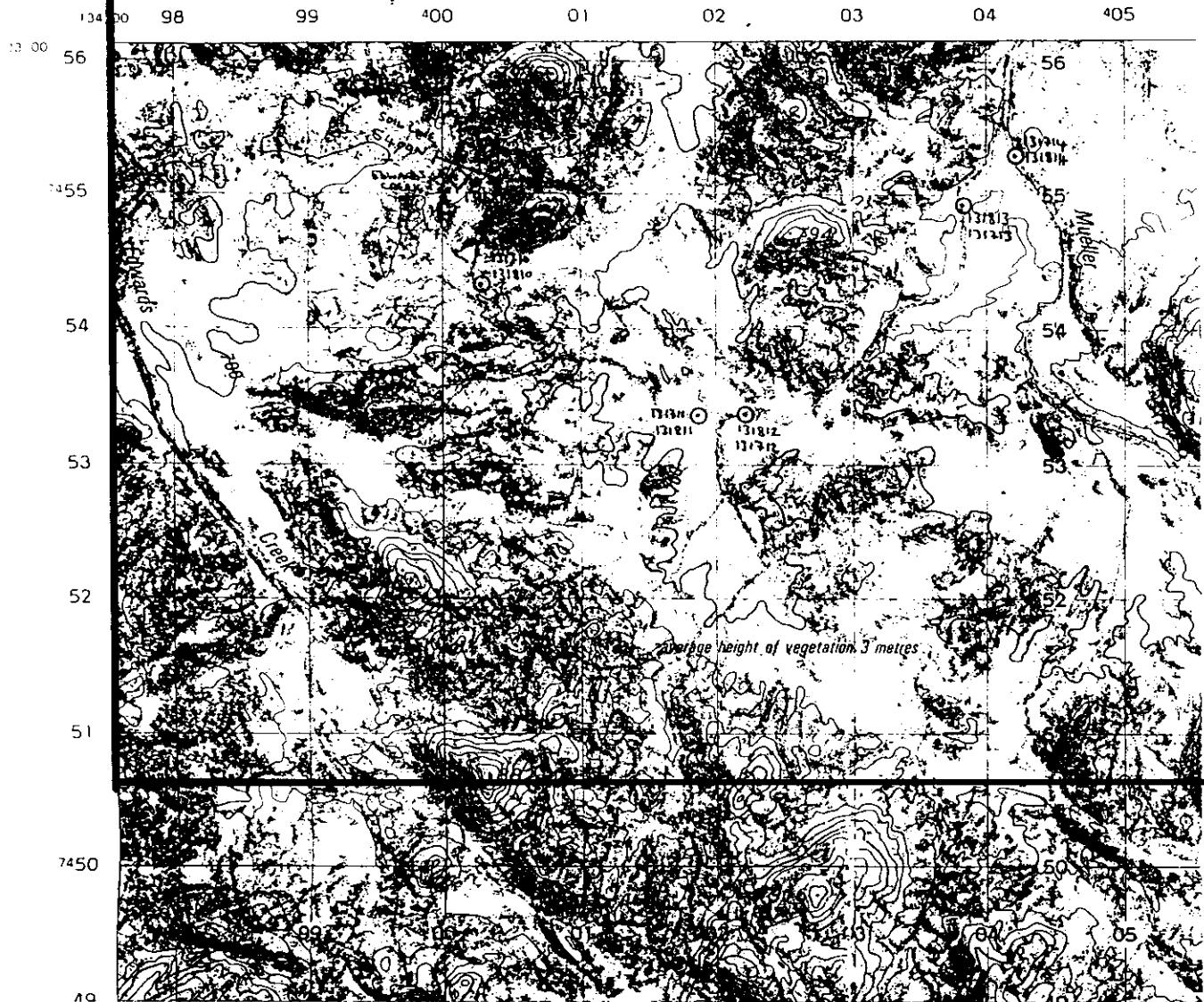
Generally the creeks sampled contained only a small proportion of silt-size material and collection of the minus 80 mesh fraction was occasionally time consuming. Over-bank silts could be considered as a possible alternative fines sample medium.

A total of 30 samples (13 minus 80 mesh, 17 minus 40 mesh) were collected in the three orientation areas. Sample locations are shown in Figures 3-5.

#### Analytical Scheme

The entire sample was pulverised and analysed for Ag As Bi Cd Co Cr Cu Fe Mn Mo Ni Pb P Sb V Zn after aqua regia digest (Amdel ICP-OES scheme IC2E). Gold was determined by aqua regia digest and graphite furnace AAS (Amdel scheme AA9). Detection limits are listed in Appendix 6. Sample preparation was done at Amdel's Alice Springs preparation facility and the analytical work completed by Amdel in Adelaide.

EL 9164



131210  
131210 (C) HEAVY MINERAL AND STREAM SILT  
SAMPLE LOCATION AND SAMPLE NUMBERS

131681 ◇ Role Cmp Sample Location And Number

SOIL SAMPLING TRAVERSE LOCATION



## **PASMINCO EXPLORATION**

A Division of Pergamon Australia Limited

E. ARUNTAS , N.T.

EDWARDS CREEK

## GEOCHEMICAL ORIENTATION

SAMPLE LOCATION

**COMPILED:** SH  
**DATE:** 11/95  
**DRAWN:**  
**REF.:**  
**REVISIONS:**  
**DRAWING No.**

SCALE 1:50,000

FIG. No.  
5

APPENDIX 1

## HEAVY MINERAL SAMPLE LOCATION AND ASSAYS

### Ferromagnetic (Mags 1) Fraction

Sample	amg_e	amg_n	Cu	Pb	Zn	Mn	Ba	W	P	Sn	Zr	Cr	Ti	Ni
131805A	419380	7439330	15	18	720	2000	140	<3	260	25	220	880	19600	150
131806A	420975	7440535	12	12	460	3800	100	<3	280	13	120	800	7200	89
131807A	420700	7440630	20	8	580	2100	80	<3	220	22	140	920	20000	17
131808A	420745	7441710	13	20	620	2200	100	<3	240	14	180	880	20400	165
131809A	420089	7440080	42	29	360	2100	80	<3	280	25	160	1000	34000	75
131810A	400275	7454320	32	8	640	2100	60	<3	340	32	500	320	30300	27
131811A	401850	7453360	32	16	660	1900	80	<3	360	23	400	280	27900	28
131812A	402200	7453390	31	<4	540	1800	60	<3	300	19	320	440	33700	43
131813A	403870	7454923	23	9	700	1600	40	<3	260	24	220	540	36800	32
131814A	404240	7455380	23	21	620	2100	40	<3	320	28	220	820	52600	56

### Moderately Susceptible (Mags 2) Fraction

Sample	amg_e	amg_n	Cu	Pb	Zn	Mn	Ba	W	P	Sn	Zr	Cr	Ti	Ni
131805B	419380	7439330	22	18	180	5400	140	<3	400	34	280	280	51900	19
131806B	420975	7440535	17	18	120	13600	80	<3	420	11	280	160	17900	10
131807B	420700	7440630	13	13	560	5300	80	<3	380	45	340	380	66900	155
131808B	420745	7441710	18	35	200	6100	100	<3	320	62	300	340	67500	9
131809B	420089	7440080	26	19	180	3100	60	<3	540	15	360	140	23800	14
131810B	400275	7454320	46	34	740	8400	60	4	900	17	840	140	97500	12
131811B	401850	7453360	36	30	240	7100	80	<3	600	9	560	140	53300	16
131812B	402200	7453390	29	12	280	6300	60	4	600	14	540	160	63200	12
131813B	403870	7454923	28	26	320	6100	40	4	720	27	520	180	117000	<4
131814B	404240	7455380	24	9	280	4800	40	6	520	19	360	220	85200	<4

### Weakly Susceptible (Mags 3) Fraction

Sample	amg_e	amg_n	Cu	Pb	Zn	Mn	Ba	W	P	Sn	Zr	Cr	Ti	Ni
131805C	419380	7439330	21	45	120	5000	140	<3	880	17	340	160	21600	24
131806C	420975	7440535	19	23	100	12000	80	<3	540	10	280	100	8200	10
131807C	420700	7440630	21	46	140	6300	100	<3	1200	32	500	200	32600	16
131808C	420745	7441710	21	55	140	6800	120	<3	1000	26	320	200	34200	15
131809C	420089	7440080	26	37	100	3000	80	<3	740	7	540	80	10100	10
131810C	400275	7454320	44	94	680	9000	80	6	2400	<4	1500	100	40700	21
131811C	401850	7453360	34	33	240	5700	80	<3	900	<4	840	120	22500	38
131812C	402200	7453390	26	34	180	5900	60	<3	1000	<4	680	120	21400	22
131813C	403870	7454923	23	145	200	6000	40	4	3800	<4	1000	140	46400	<4
131814C	404240	7455380	18	49	200	5000	40	<3	1300	9	580	160	30300	13

### Non-Magnetic (Tails) Fraction

Sample	amg_e	amg_n	Cu	Pb	Zn	Mn	Ba	W	P	Sn	Zr	Cr	Ti	Ni
131805	419380	7439330	24	72	100	3000	140	12	2200	12	3600	120	15300	19
131806	420975	7440535	47	50	80	7500	80	34	1400	16	1900	80	18100	10
131807	420700	7440630	25	165	180	3800	140	24	4400	13	8700	140	22600	13
131808	420745	7441710	25	145	320	4400	140	20	3900	7	6100	120	19500	13
131809	420089	7440080	22	48	120	2000	100	42	1200	8	2600	60	6900	7
131810	400275	7454320	51	280	2300	6900	100	150	5500	<4	13400	100	19300	27
131811	401850	7453360	39	64	420	4200	100	16	2000	6	7400	140	21100	39
131812	402200	7453390	58	115	300	4800	60	30	3300	<4	7000	140	17300	42
131813	403870	7454923	46	880	260	4500	60	65	16400	<4	10100	140	20000	<4
131814	404240	7455380	21	175	260	4300	40	30	4700	<4	7100	160	16300	14

all values in ppm unless otherwise indicated

## APPENDIX 2

## STREAM SEDIMENT SAMPLE LOCATION AND ASSAYS

minus 80#

sample	amg_e	amg_n	cu	pb	zn	mn	ag	as	fe%	sb	bi	mo	ni	co	cr	v	cd	au(ppb)	p
131709A	420089	7440080	24	22	42	420	X	1	9.54	5	X	1	23	15	220	220	X	X	420
131710A	400275	7454320	24	18	76	500	X	X	5.67	X	X	2	16	11	110	135	X	X	340
131711A	401850	7453360	17	10	53	400	X	3	4.8	X	X	X	13	10	86	115	X	X	320
131712A	402200	7453390	15	10	49	460	X	X	5.58	X	X	2	14	11	99	145	X	X	320
131713A	403870	7454923	16	12	46	440	X	1	6.22	X	X	1	17	10	150	200	X	X	360
131714A	404240	7455380	17	8	44	280	X	X	4.58	X	X	X	19	10	115	130	X	X	340

minus 40#

sample	amg_e	amg_n	cu	pb	zn	mn	ag	as	fe%	sb	bi	mo	ni	co	cr	v	cd	au(ppb)	p
131705B	419380	7439330	14	18	28	660	X	4	15.9	5	X	2	48	23	340	320	X	X	340
131706B	420975	7440535	22	14	41	840	X	X	6.1	X	X	2	23	11	155	92	X	X	300
131707B	420700	7440630	15	10	32	420	X	X	4.1	X	X	1	19	10	165	75	X	X	220
131708B	420745	7441710	11	6	24	420	X	1	4.05	X	X	2	15	9	160	74	X	X	170
131709B	420089	7440080	22	14	26	500	X	X	7.82	X	X	2	18	12	240	185	X	X	300
131710B	400275	7454320	17	10	55	400	X	2	3.85	X	X	1	12	8	100	88	X	X	185
131711B	401850	7453360	13	6	38	440	X	X	3.87	X	X	2	13	9	130	93	X	X	175
131712B	402200	7453390	11	6	34	360	X	3	3.28	X	X	1	11	8	115	78	X	X	155
131713B	403870	7454923	13	8	31	440	X	2	5.17	X	X	2	14	10	160	160	X	X	240
131714B	404240	7455380	15	6	26	360	X	X	3.81	X	X	2	13	8	190	89	X	X	180

all values in ppm unless otherwise indicated

31 December 1995

Mr Steve Harrison  
Pasminco Exploration  
PO Box 110  
BELMONT WA 6104

**REPORT G898500G/96 (AMENDED)**  
**SEPARATION OF 17 SEDIMENT SAMPLES**

YOUR REFERENCE: S.D.S No. 2404

SAMPLE IDENTIFICATION: 131801 to 131817

MATERIAL: 17 sediment samples

DATE RECEIVED: 31 October 1995

WORK REQUIRED: Gravity and magnetic separation

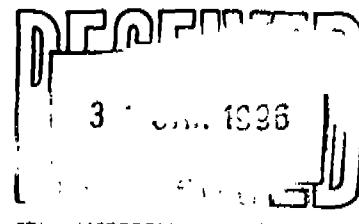
Investigation and Report by: Michael Till

*Keith Henley*

Dr Keith J Henley  
Manager, Mineralogical Services

*The results contained in this report relate only to the sample(s) submitted for testing.  
Amdel Ltd accepts no responsibilities for the representivity of the sample(s) submitted.*

hk



## SEPARATION OF 17 SEDIMENT SAMPLES

### 1. INTRODUCTION

Samples of sediment were received from Mr Steve Harrison of Pasminco Exploration, Belmont, with a request for gravity and magnetic separation.

### 2. PROCEDURE

The samples of ~20 kg were weighed and then sieved at 1 mm. The -1 mm fraction was tabled and the table concentrate collected, dried and weighed. The table tailing was discarded. The table concentrate was separated statically in tetrabromoethane (sp. gr. 2.96). Both sp. gr. products were retained. The >2.96 sp. gr. product was processed in a Carpco Laboratory Induced Roll Dry Magnetic Separator at the following estimated magnetic field strengths: Mags 1 = 0.2 kgauss, Mags 2 = 2 kgauss and Mags 3 = 5 kgauss. The magnetic fractions were retained.

### 3. RESULTS

The result of the sizing, tabling, heavy liquid separation and magnetic separation are given in Table 1 (distribution) and Table 2 (weights).

TABLE 1: DISTRIBUTION (WT%) OF SEDIMENT SAMPLES BY SIZE, SPECIFIC GRAVITY AND MAGNETIC SUSCEPTIBILITY

Sample No.	Size Distribution		Tabling Distribution		Sp. Gr. Distribution		Magnetic Susceptibility Distribution		Mag. Susc. Distrn. (% of total sample)					
	+1mm	-1mm	Tails	Concentrate	<2.96	>2.96	Mags 1	Mags 2	Mags 3	Tails	Mags 1	Mags 2	Mags 3	Tails
131805	19.42	80.58	100.00	21.98	25.17	74.83	24.63	36.98	22.59	15.81	3.264	4.901	2.993	2.095
131806	13.31	86.69	100.00	11.55	7.46	92.54	29.18	34.91	24.19	11.73	2.704	3.235	2.241	1.087
131807	23.68	76.32	100.00	18.48	15.70	84.30	31.54	38.79	19.73	9.95	3.749	4.611	2.345	1.183
131808	23.17	76.83	100.00	25.72	9.46	90.54	30.89	39.38	19.22	10.51	5.525	7.044	3.438	1.881
131809	11.79	88.21	100.00	15.04	29.86	70.14	15.31	44.55	24.23	15.92	1.424	4.146	2.255	1.482
131810	22.75	77.25	100.00	27.41	22.00	78.00	38.24	35.09	17.94	8.73	6.316	5.797	2.963	1.443
131811	19.81	80.19	100.00	18.72	49.86	50.14	19.52	42.20	26.04	12.24	1.469	3.176	1.960	0.922
131812	19.59	80.41	100.00	18.04	26.42	73.58	22.68	38.71	27.33	11.28	2.421	4.132	2.917	1.204
131813	19.23	80.77	100.00	22.45	11.69	88.31	35.15	40.00	17.11	7.73	5.627	6.404	2.740	1.238
131814	18.44	81.56	100.00	25.80	16.57	83.43	26.96	42.31	21.59	9.14	4.733	7.428	3.790	1.605

TABLE 2: WEIGHT (kg) OF SIZE, SPECIFIC GRAVITY AND MAGNETIC SUSCEPTIBILITY FRACTIONS OF SEDIMENT SAMPLES

Sample No.	Size Fraction		Tabling Product		Sp. Gr. Product		Magnetic Susceptibility Fraction				Total
	+1mm	-1mm	Tails	Concentrate	<2.96	>2.96	Mags 1	Mags 2	Mags 3	Tails	
131805	2.80	11.62	9.066	2.554	0.6427	1.9108	0.4695	0.7050	0.4306	0.3014	14.42
131806	1.91	12.44	11.003	1.437	0.1071	1.3287	0.3874	0.4634	0.3211	0.1557	14.35
131807	3.99	12.86	10.484	2.376	0.3728	2.0022	0.6298	0.7745	0.3939	0.1987	16.84
131808	3.71	12.30	9.137	3.163	0.2991	2.8629	0.8822	1.1249	0.5490	0.3003	16.00
131809	1.94	14.52	12.336	2.184	0.6519	1.5313	0.2342	0.6817	0.3707	0.2436	16.46
131810	3.11	10.56	7.665	2.895	0.6368	2.2574	0.8616	0.7908	0.4042	0.1968	13.67
131811	2.87	11.62	9.445	2.175	1.0847	1.0908	0.2125	0.4594	0.2835	0.1333	14.49
131812	2.89	11.86	9.720	2.140	0.5651	1.5735	0.3560	0.6075	0.4289	0.1770	14.74
131813	3.30	13.86	10.749	3.111	0.3637	2.7462	0.9638	1.0969	0.4693	0.2121	17.15
131814	2.86	12.65	9.386	3.264	0.3917	1.9715	0.5306	0.8327	0.4249	0.1799	14.61

## **6 SOIL SAMPLING**

### **6.1 Conventional Soil Sampling**

#### **6.1.1 Program**

##### **Sampling Locations**

Orientation soil lines were completed at Edwards Creek prospect. Both conventional and MMI samples were collected on all the lines.

At Edwards Creek line 5400N on the existing grid was sampled between 4750E and 5250E. GPS AMG coordinates for station 4850E (on west side of access track) are 7455250N 400030E. The line crosses the northern end of the main gossan outcrop (Figure 9).

##### **Sampling Procedure**

The following sampling procedure was adopted:

- An area larger than the hole to be dug (approximately 0.5m square) was scraped to remove the topmost centimetre of soil together with any coarse lag, vegetation and organic matter.
- A small hole (approximately 0.2m square) was dug to a depth of approximately 0.1m using a mattock and/or shovel. These tools had been previously sandblasted to remove any paint or other coatings.
- After cleaning out the hole, soil at the bottom of the hole was loosened using the mattock and transferred to the sieve using an aluminium scoop.
- The soil was sieved to a nominal -2mm using a sieve with aluminium frame and stainless steel mesh. The -2mm fraction was collected in a plastic panning dish and then approximately 0.5kg transferred to a calico bag using the aluminium scoop.

##### **Analytical Scheme**

The entire sample was pulverised and analysed for Ag As Bi Cd Co Cr Cu Fe Mn Mo Ni Pb P Sb V Zn after aqua regia digest (Amdel ICP-OES scheme IC2E). Gold was determined by aqua regia digest and graphite furnace AAS (Amdel scheme AA9). Detection limits are listed in Appendix 6. Sample preparation was done at Amdel's Alice Springs preparation facility and the analytical work completed by Amdel in Adelaide

## **6.2      MMI Soil Sampling**

### **6.2.1    Program**

#### **Sampling Locations**

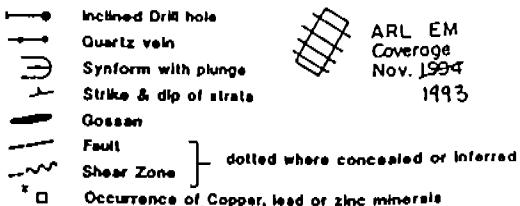
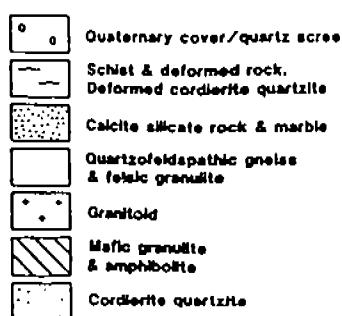
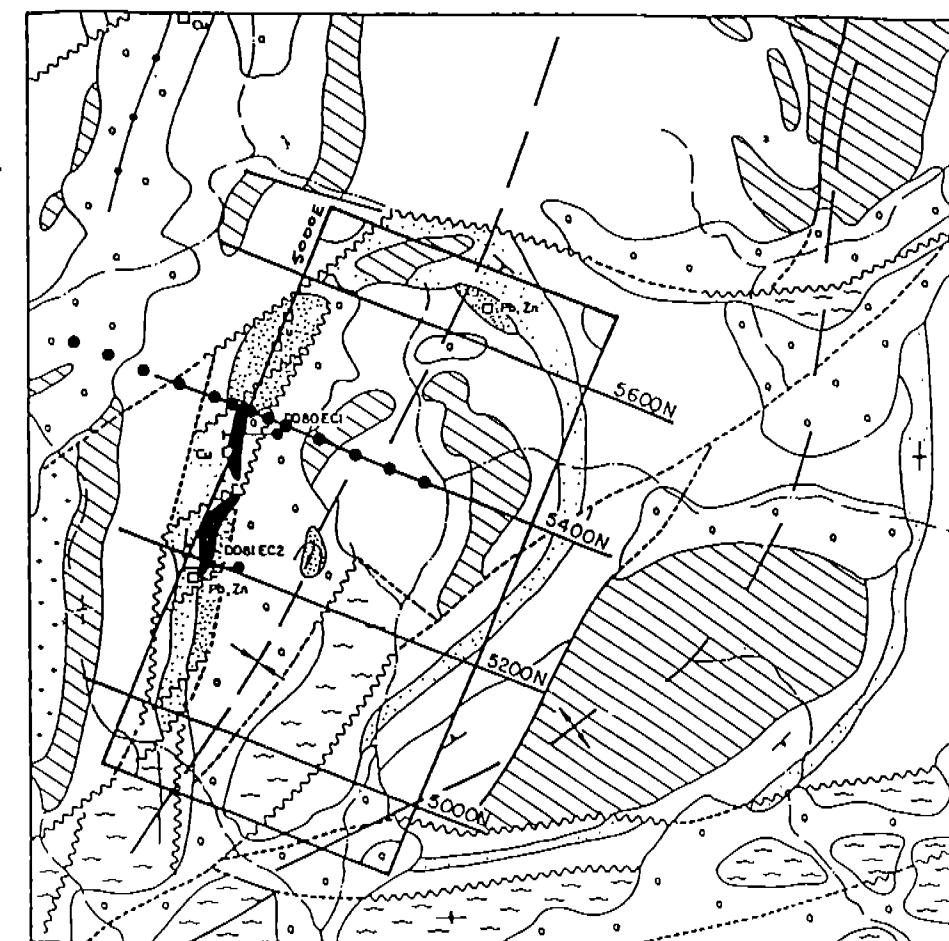
Soil samples for mobile metal ion analysis were collected at all the conventional soil sample sites (see Section 6.1.1) to enable direct comparison of the conventional and MMI responses.

#### **Sampling Procedure**

Approximately 300-500g of the sieved -2mm fraction from which the conventional sample was taken (see section 6.1.1) was transferred to a wetstrength kraft paper packet using the aluminium scoop. The paper packet was closed and then sealed in a zip-lock plastic bag.

#### **Analytical Scheme**

MMI analysis of the samples was carried out by Analabs in Perth using the MMI technique licensed from Wamtech. Only the base metal suite of elements (scheme MS800 - Cd Cu Pb Zn) was determined.



● ORIENTATION SOIL SAMPLE Location

14

## PASMINCO EXPLORATION

A Division of Pasminco Australia Limited

COMPILED: SH

DATE: 11/95

DRAWN:

REF.:

REVISIONS:

E. ARUNTAS, N.T.

EDWARDS CREEK

GEOLOGY AND ORIENTATION  
SOIL SAMPLE LOCATIONS

DRAWING No.

SCALE 1:10,000 0 100 200 m

FIG. No.  
9

EDWARDS CREEK  
LINE 5400N - CONVENTIONAL SOILS

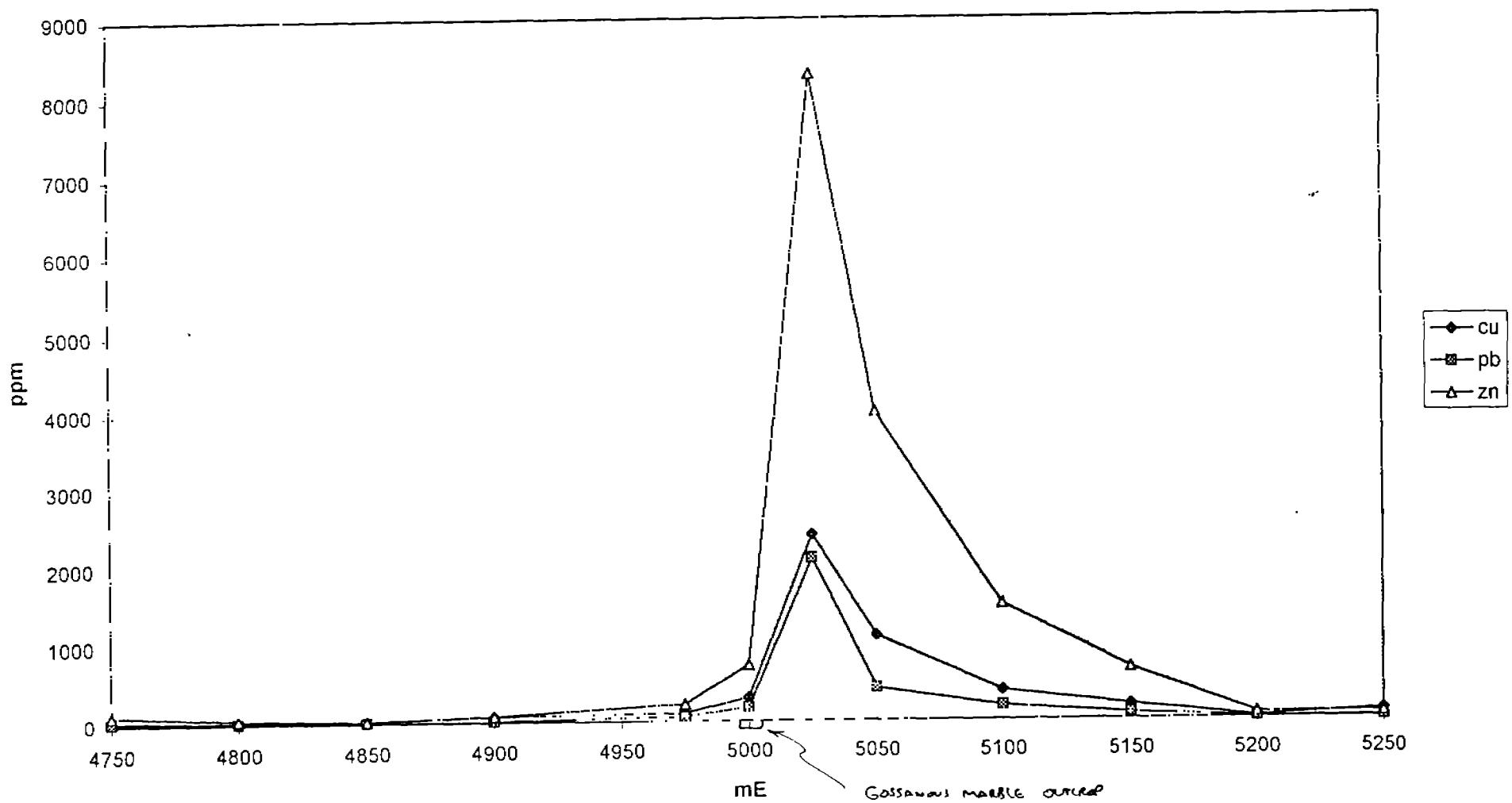


FIGURE 42

## CONVENTIONAL SOIL SAMPLE LOCATIONS AND ASSAYS

## EDWARDS CREEK

sample	amg_e	amg_n	local_e	local_n	cu	pb	zn	mn	ag	as	fe%	sb	bi	mo	ni	co	cr	v	cd	au(ppb)	p
131651A	399939	7455289	4750	5400	52	34	125	300	X	X	3.08	X	X	X	8	6	62	44	X	1	135
131652A	399984	7455269	4800	5400	23	12	62	280	X	X	3.32	X	X	X	10	5	74	43	X	X	175
131653A	400030	7455248	4850	5400	32	14	33	280	X	X	3.83	X	X	X	14	9	72	64	X	X	165
131654A	400076	7455227	4900	5400	78	18	85	540	X	X	5.36	X	X	X	15	20	36	105	X	1	260
131655A	400121	7455207	4950	5400	LNR	LNR	LNR	LNR	NR	LNR	LNR	LNR	LNR	NR	LNR	LNR	LNR	NR	LNR	LNR	
131656A	400144	7455196	4975	5400	105	60	220	480	X	3	3.94	X	X	X	10	7	53	38	1	1	190
131657A	400166	7455186	5000	5400	300	175	720	500	X	2	2.93	X	10	2	11	7	81	35	3	X	190
131658A	400189	7455175	5025	5400	2400	2100	8300	3200	1	2	3.12	X	20	2	22	12	53	48	29	18	1000
131659A	400212	7455165	5050	5400	1100	420	4000	480	5.5	2	3.44	X	X	2	14	7	80	27	3	8	155
131660A	400258	7455144	5100	5400	380	185	1500	620	X	2	3.57	X	X	X	9	5	52	29	2	2	175
131661A	400303	7455124	5150	5400	190	78	660	560	X	3	4.98	X	X	2	15	11	110	57	1	1	180
131662A	400348	7455103	5200	5400	23	14	81	320	X	3	3.73	X	X	2	9	6	88	37	X	X	165
131663A	400394	7455082	5250	5400	105	10	73	580	X	1	8.64	X	X	X	14	29	35	260	X	1	320

all values in ppm unless otherwise indicated

EDWARDS CREEK  
LINE 5400N - MMI SOILS

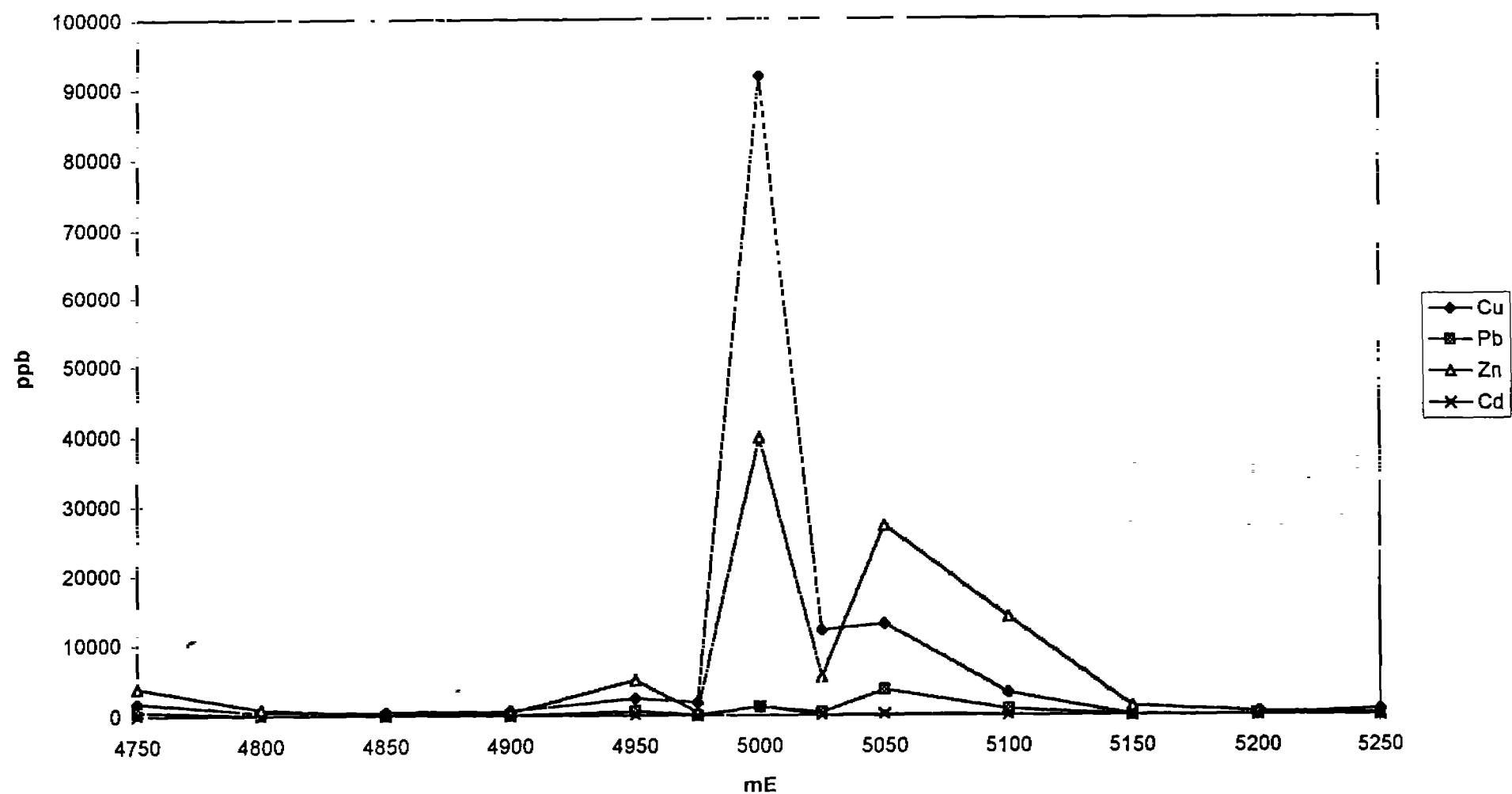


FIGURE 47

APPENDIX 5

MMI SOIL SAMPLE LOCATIONS AND ASSAYS

EDWARDS CREEK

Sample	amg_e	amg_n	local_e	local_n	Cu	Pb	Zn	Cd
131651B	399939	7455289	4750	5400	1820	600	3960	46
131652B	399984	7455269	4800	5400	500	180	940	22
131653B	400030	7455248	4850	5400	580	100	140	16
131654B	400076	7455227	4900	5400	740	80	460	30
131655B	400121	7455207	4950	5400	2500	620	5020	116
131656B	400144	7455196	4975	5400	1860	60	520	14
131657B	400166	7455186	5000	5400	91700	1260	39660	1306
131658B	400189	7455175	5025	5400	12100	540	5480	48
131659B	400212	7455165	5050	5400	12900	3660	27060	186
131660B	400258	7455144	5100	5400	3180	840	13860	80
131661B	400303	7455124	5150	5400	60	100	1340	24
131662B	400348	7455103	5200	5400	60	120	520	12
131663B	400394	7455082	5250	5400	840	40	260	16

all values in ppb unless otherwise indicated



## MINERAL CHEMISTRY

Amdel Laboratories Ltd  
PO Box 338  
Torrensville Plaza SA 5031  
ACN 009 076 555

Telephone (08) 416 5300  
Facsimile (08) 234 0321

Newfile?

Mr Steve Harrisson  
Pasminco Exploration  
116 Fullarton Road  
NORWOOD SA 5067

## FINAL ANALYSIS REPORT

Your Order No: 2551

Our Job Number : 5AD4224

Sample rec'd : 01/11/95

Results reported : 08/11/95

No. of samples : 150

Report comprises a cover sheet and pages 1 to 12

This report relates specifically to the samples tested in so far that  
the samples as supplied are truly representative of the sample source.

Approved Signature:

CHECKLIST	
INITIALLED	
DATE RECEIVED	Moden
TESTED / ANALYSED	JW
INTERED / RECORDED	JW
DATA BASE UPDATED	JW
FILING ARUNTAS GEOCHEM	

for

Alan Ciplys  
Manager - Mineral Chemistry  
AMDEL LABORATORIES ADELAIDE

## Report Codes:

N.A. - Not Available.  
L.N.R. - Listed But Not Received.  
I.S. - Insufficient Sample.

## Distribution Codes:

CC - Carbon Copy  
EM - Electronic Media  
MM - Magnetic Media

Final

## ANALYTICAL REPORT

SAMPLE	Ag	As	Bi	Cd	Co	Cr	Cu
131640A	<0.5	<1	<5	<1	10	96	27
131641A	<0.5	<1	<5	<1	13	82	30
131642A	<0.5	<1	5	<1	17	105	46
131643A	<0.5	1	10	<1	23	135	59
131644A	<0.5	<1	5	<1	24	180	39
131645A	<0.5	1	15	<1	27	135	115
131646A	<0.5	<1	<5	<1	14	83	38
131647A	1.5	6	35	1	54	46	1400
131648A	<0.5	1	20	<1	18	72	420
131649A	<0.5	1	<5	<1	12	59	13
131650A	<0.5	<1	<5	1	24	120	15
131651A	<0.5	<1	<5	<1	6	62	52
131652A	<0.5	<1	<5	<1	5	74	23
131653A	<0.5	<1	<5	<1	9	72	32
131654A	<0.5	<1	<5	<1	20	36	78
131655A	L.N.R.						
131656A	<0.5	3	<5	1	7	53	105
131657A	<0.5	2	10	3	7	81	300
131658A	1.0	2	20	29	12	53	2400
131659A	5.5	2	<5	3	7	80	1100
131660A	<0.5	2	<5	2	5	52	380
131661A	<0.5	3	<5	1	11	110	190
131662A	<0.5	3	<5	<1	6	88	23
131663A	<0.5	1	<5	<1	29	35	105
131709A	<0.5	1	<5	<1	15	220	24
131710A	<0.5	<1	<5	<1	11	110	24
131711A	<0.5	3	<5	<1	10	86	17
131712A	<0.5	<1	<5	<1	11	99	15
131713A	<0.5	1	<5	<1	10	150	16
UNITS	ppm						
DET. LIM	0.5	1	5	1	1	2	1
SCHEME	IC2E						

## ANALYTICAL REPORT

SAMPLE	Ag	As	Bi	Cd	Co	Cr	Cu
131714A	<0.5	<1	<5	<1	10	115	17
131705B	<0.5	4	<5	<1	23	340	14
131706B	<0.5	<1	<5	<1	11	155	22
131707B	<0.5	<1	<5	<1	10	165	15
131708B	<0.5	1	<5	<1	9	160	11
131709B	<0.5	<1	<5	<1	12	240	22
131710B	<0.5	2	<5	<1	8	100	17
131711B	<0.5	<1	<5	<1	9	130	13
131712B	<0.5	3	<5	<1	8	115	11
131713B	<0.5	2	<5	<1	10	160	13
131714B	<0.5	<1	<5	<1	8	190	15

UNITS	ppm						
DET. LIM	0.5	1	5	1	1	2	1
SCHEME	IC2E						

ANALYTICAL REPORT

SAMPLE	Fe	Mn	Mo	Ni	Pb	P	Sb
131640A	3.98%	240	1	17	12	175	<5
131641A	4.79%	480	<1	21	12	220	<5
131642A	6.26%	460	<1	27	22	220	<5
131643A	7.61%	480	<1	35	26	220	5
131644A	7.81%	540	1	48	22	280	5
131645A	9.71%	940	1	43	63	400	5
131646A	5.39%	420	1	21	22	240	<5
131647A	16.7%	1100	10	15	98	480	10
131648A	6.63%	600	3	11	70	360	<5
131649A	5.50%	480	<1	12	14	240	<5
131650A	6.56%	380	<1	37	12	195	5
131651A	3.08%	300	<1	8	34	135	<5
131652A	3.32%	280	<1	10	12	175	<5
131653A	3.83%	280	<1	14	14	165	<5
131654A	5.36%	540	<1	15	18	260	<5
131655A	L.N.R.						
131656A	3.94%	480	<1	10	60	190	<5
131657A	2.93%	500	2	11	175	190	<5
131658A	3.12%	3200	2	22	2100	1000	<5
131659A	3.44%	480	2	14	420	155	<5
131660A	3.57%	620	<1	9	185	175	<5
131661A	4.98%	560	2	15	78	180	<5
131662A	3.73%	320	2	9	14	165	<5
131663A	8.64%	580	<1	14	10	320	<5
131709A	9.54%	420	1	23	22	420	5
131710A	5.67%	500	2	16	18	340	<5
131711A	4.80%	400	<1	13	10	320	<5
131712A	5.58%	460	2	14	10	320	<5
131713A	6.22%	440	1	17	12	360	<5

UNITS	ppm						
DET.LIM	100	5	1	1	3	5	5
SCHEME	IC2E						
UPPER SCHEME	MET1						

## ANALYTICAL REPORT

SAMPLE	Fe	Mn	Mo	Ni	Pb	P	Sb
131714A	4.58%	280	<1	19	8	340	<5
131705B	15.9%	660	2	48	18	340	5
131706B	6.10%	840	2	23	14	300	<5
131707B	4.10%	420	1	19	10	220	<5
131708B	4.05%	420	2	15	6	170	<5
131709B	7.82%	500	2	18	14	300	<5
131710B	3.85%	400	1	12	10	185	<5
131711B	3.87%	440	2	13	6	175	<5
131712B	3.28%	360	1	11	6	155	<5
131713B	5.17%	440	2	14	8	240	<5
131714B	3.81%	360	2	13	6	180	<5

	UNITS	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM		100	5	1	1	3	5
SCHEME		IC2E	IC2E	IC2E	IC2E	IC2E	IC2E
UPPER SCHEME		MET1					

## ANALYTICAL REPORT

SAMPLE	Au	Au	Dp1	V	Zn
131640A	4	--		83	29
131641A	1	--		92	44
131642A	1	--		115	50
131643A	5	--		150	63
131644A	1	--		140	66
131645A	7	9		160	80
131646A	3	--		64	50
131647A	67	72		55	240
131648A	15	13		40	43
131649A	1	--		59	37
131650A	<1	--		165	46
131651A	1	--		44	125
131652A	<1	--		43	62
131653A	<1	--		64	33
131654A	1	--		105	85
131655A	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
131656A	1	--		38	220
131657A	<1	--		35	720
131658A	18	13		48	8300
131659A	8	--		27	4000
131660A	2	--		29	1500
131661A	1	--		57	660
131662A	<1	--		37	81
131663A	1	--		260	73
131709A	<1	--		220	42
131710A	<1	--		135	76
131711A	<1	--		115	53
131712A	<1	--		145	49
131713A	<1	--		200	46
UNITS	ppb	ppb	ppm	ppm	
DET.LIM	1	1	1	1	
SCHEME	AA9	AA9	IC2E	IC2E	
UPPER SCHEME					



inal

Job: 5AD4224  
O/N: 2551

## ANALYTICAL REPORT

SAMPLE	Au	Au	Dp1	V	Zn
131714A	<1	--		130	44
131705B	<1	--		320	28
131706B	<1	--		92	41
131707B	<1	--		75	32
131708B	<1	--		74	24
131709B	<1	--		185	26
131710B	<1	--		88	55
131711B	<1	--		93	38
131712B	<1	--		78	34
131713B	<1	--		160	31
131714B	<1	--		89	26

UNITS	ppb	ppb	ppm	ppm
DET. LIM	1	1	1	1
SCHEME	AA9	AA9	IC2E	IC2E



Analabs Pty. Ltd.

ACN 004 591 664  
52 Murray Road, Welshpool  
Western Australia 6106  
P O Box 210, Bentley, W A 6102  
Telephone (61 9) 4587999  
Facsimile (61 9) 4582922

Job No. PE011238  
Project Code:  
Order No. 2405  
Date Received. 01/11/95  
Date Reported: 08/12/95

## ANALYTICAL REPORT

Steve Harrisson

Pasminco Exploration  
PO Box 110

Belmont  
WA 6104

Number of pages of report : 3 (excl cover sheet) First Sample: 131601B  
Number of Samples : 72 Last Sample: 131672B

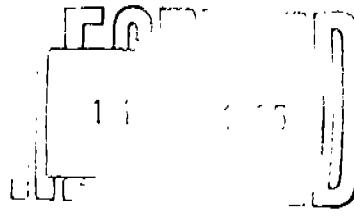
Invoice to:  
Steve Harrisson

Electronic Data Transmission  
Modem / /  
Facsimile / /  
Disk Report / /

Pasminco Exploration  
PO Box 110

Belmont  
WA 6104

Results to:



Results to:

RECEIVED	
DISPATCHED	
RESULTS	
ENTERED	
DATA	
FILING	

Remarks

Authorised by  
On behalf of:

Mr Nigel Ball  
Manager-Minerals

This report relates specifically to the sample(s) tested in so far as that the sample(s) is truly representative of the sample source as supplied



## ANALYSIS DESCRIPTION

Job number . PE011238 Order number . 2405

Scheme code : MT800 - MMI-A Digest

MMI-A Digest

Scheme code : MS800 - ICPMS Determination Of Acid Solns

ICPMS Determination Of Acid Solutions

Cd : Cadmium

Cu : Copper

Pb : Lead

Zn : Zinc



Analabs Pty. Ltd.

ACN 004 591 664

52 Murray Road, Welshpool

Western Australia 6106

P.O. Box 210, Bentley, W A 6102

Telephone . (61 9) 4587999

Facsimile: (61 9) 4582922

Order No: 2405  
Project Code:  
Report Date: 08/12/95  
Report Status: Final  
Page: 2 of 3

Job No. PE011238

ANALYTICAL DATA

Sample	Cd	Cu	Pb	Zn
131640B	6	260	100	120
131641B	8	400	60	240
131642B	12	320	100	220
131643B	14	360	100	180
131644B	12	480	180	340
131645B	18	1860	460	400
131646B	12	340	240	220
131647B	30	55000	400	900
131648B	16	13000	1680	420
131649B	6	60	120	120
131650B	6	80	60	160

Method Detection Limit Upper Method	MS800 ppb 2	MS800 ppb 20 MS800	MS800 ppb 20	MS800 ppb 40

- Notes  
N/A      = not analysed  
S      = element not determined  
I.S.      = insufficient sample  
N.R.      = listed not received



Analabs Pty. Ltd.

ACN 004 591 664

52 Murray Road, Welshpool

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P.O. Box 210, Bentley, W.A. 6102

Telephone : (61 9) 4587999

Facsimile: (61 9) 4582922

Order No: 2405  
 Project Code:  
 Report Date: 08/12/95  
 Report Status: Final  
 Page: 3 of 3

Job No: PE011238

ANALYTICAL DATA

Sample	Cd	Cu	Pb	Zn
131651B	46	1820	600	3960
131652B	22	500	180	940
131653B	16	580	100	140
131654B	30	740	80	460
131655B	116	2500	620	5020
131656B	14	1860	60	520
131657B	1306	91700	1260	39660
131658B	48	12100	540	5480
131659B	186	12900	3660	27060
131660B	80	3180	840	13860
131661B	24	60	100	1340
131662B	12	60	120	520
131663B	16	840	40	260

Method Units	MS800 ppb 2	MS800 ppb 20 MS800	MS800 ppb 20	MS800 ppb 40
Detection Limit Upper Method				

## Notes:

N.A.

- = not analysed
- = element not determined

--

I.S.

- = insufficient sample
- = listed not received

L N R



MINERAL CHEMISTRY

HMC



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Amadel Laboratories Ltd  
PO Box 338  
Torrens Plaza SA 5031  
ACN 009 076 555

Telephone (08) 416 5300  
Facsimile (08) 234 0321

DRAFT

18 JAN 1996

RECEIVED

Mr Steve Harrisson  
Pasminco Exploration  
PO Box 110  
BELMONT 6104

### FINAL ANALYSIS REPORT

Your Order No: 2406

Our Job Number : 5AD4701

Sample rec'd : 11/12/95

Results reported : 08/01/96

No. of samples : 68

Report comprises a cover sheet and pages 1 to 4

This report relates specifically to the samples tested in so far that the samples as supplied are truly representative of the sample source.

Approved Signature:

Alan Ciplys

Harrisson

Anuntas

Gostem

for

Alan Ciplys  
Manager - Mineral Chemistry  
AMDEL LABORATORIES ADELAIDE

Report Codes:

N.A. - Not Available.

L.N.R. - Listed But Not Received.

I.S. - Insufficient Sample.

Distribution Codes:

CC - Carbon Copy

EM - Electronic Media

MM - Magnetic Media

ANALYTICAL REPORT

SAMPLE	Ba	Mn	P	Zr	Cr	Ti	Zn
131805 MAGS1	140	2000	260	220	880	1.96%	720
131805 MAGS2	140	5400	400	280	280	5.19%	180
131805 MAGS3	140	5000	880	340	160	2.16%	120
131805 TAILS	140	3000	2200	3600	120	1.53%	100
131806 MAGS1	100	3800	280	120	800	7200	460
131806 MAGS2	80	1.36%	420	280	160	1.79%	120
131806 MAGS3	80	1.20%	540	280	100	8200	100
131806 TAILS	80	7500	1400	1900	80	1.81%	80
131807 MAGS1	80	2100	220	140	920	2.00%	580
131807 MAGS2	80	5300	380	340	380	6.69%	560
131807 MAGS3	100	6300	1200	500	200	3.26%	140
131807 TAILS	140	3800	4400	8700	140	2.26%	180
131808 MAGS1	100	2200	240	180	880	2.04%	620
131808 MAGS2	100	6100	320	300	340	6.75%	200
131808 MAGS3	120	6800	1000	320	200	3.42%	140
131808 TAILS	140	4400	3900	6100	120	1.95%	320
131809 MAGS1	80	2100	280	160	1000	3.40%	360
131809 MAGS2	60	3100	540	360	140	2.38%	180
131809 MAGS3	80	3000	740	540	80	1.01%	100
131809 TAILS	100	2000	1200	2600	60	6900	120
131810 MAGS1	60	2100	340	500	320	3.03%	640
131810 MAGS2	60	8400	900	840	140	9.75%	740
131810 MAGS3	80	9000	2400	1500	100	4.07%	680
131810 TAILS	100	6900	5500	1.34%	100	1.93%	2300
131811 MAGS1	80	1900	360	400	280	2.79%	660
131811 MAGS2	80	7100	600	560	140	5.33%	240
131811 MAGS3	80	5700	900	840	120	2.25%	240
131811 TAILS	100	4200	2000	7400	140	2.11%	420
131812 MAGS1	60	1800	300	320	440	3.37%	540

UNITS	ppm						
DET. LIM	20	10	10	20	20	100	20
SCHEME	IC4E						
UPPER SCHEME							

## ANALYTICAL REPORT

SAMPLE	Ba	Mn	P	Zr	Cr	Ti	Zn
131812 MAGS2	60	6300	600	540	160	6.32%	280
131812 MAGS3	60	5900	1000	680	120	2.14%	180
131812 TAILS	60	4800	3300	7000	140	1.73%	300
131813 MAGS1	40	1600	260	220	540	3.68%	700
131813 MAGS2	40	6100	720	520	180	11.7%	320
131813 MAGS3	40	6000	3800	1000	140	4.64%	200
131813 TAILS	60	4500	1.64%	1.01%	140	2.00%	260
131814 MAGS1	40	2100	320	220	820	5.26%	620
131814 MAGS2	40	4800	520	360	220	8.52%	280
131814 MAGS3	40	5000	1300	580	160	3.03%	200
131814 TAILS	40	4300	4700	7100	160	1.63%	260

UNITS	ppm						
DET. LIM	20	10	10	20	20	100	20
SCHEME	IC4E						
UPPER SCHEME							

## ANALYTICAL REPORT

SAMPLE	W	Cu	Ni	Sn	Pb
131805 MAGS1	<3	15	150	25	18
131805 MAGS2	<3	22	19	34	18
131805 MAGS3	<3	21	24	17	45
131805 TAILS	12	24	19	12	72
131806 MAGS1	<3	12	89	13	12
131806 MAGS2	<3	17	10	11	18
131806 MAGS3	<3	19	10	10	23
131806 TAILS	34	47	10	16	50
131807 MAGS1	<3	20	17	22	8
131807 MAGS2	<3	13	155	45	13
131807 MAGS3	<3	21	16	32	46
131807 TAILS	24	25	13	13	165
131808 MAGS1	<3	13	165	14	20
131808 MAGS2	<3	18	9	62	35
131808 MAGS3	<3	21	15	26	55
131808 TAILS	20	25	13	7	145
131809 MAGS1	<3	42	75	25	29
131809 MAGS2	<3	26	14	15	19
131809 MAGS3	<3	26	10	7	37
131809 TAILS	42	22	7	8	48
131810 MAGS1	<3	32	27	32	8
131810 MAGS2	4	46	12	17	34
131810 MAGS3	6	44	21	<4	94
131810 TAILS	150	51	27	<4	280
131811 MAGS1	<3	32	28	23	16
131811 MAGS2	<3	36	16	9	30
131811 MAGS3	<3	34	38	<4	33
131811 TAILS	16	39	39	6	64
131812 MAGS1	<3	31	43	19	<4

UNITS	ppm	ppm	ppm	ppm	ppm
DET. LIM	3	2	4	4	4
SCHEME	IC4M	AA3	AA3	XRF1	XRF1

## ANALYTICAL REPORT

SAMPLE	W	Cu	Ni	Sn	Pb
131812 MAGS2	4	29	12	14	12
131812 MAGS3	<3	26	22	<4	34
131812 TAILS	30	58	42	<4	115
131813 MAGS1	<3	23	32	24	9
131813 MAGS2	4	28	<4	27	26
131813 MAGS3	4	23	<4	<4	145
131813 TAILS	65	46	<4	<4	880
131814 MAGS1	<3	23	56	28	21
131814 MAGS2	6	24	<4	19	9
131814 MAGS3	<3	18	13	9	49
131814 TAILS	30	21	14	<4	175

UNITS	ppm	ppm	ppm	ppm	ppm
DET. LIM	3	2	4	4	4
SCHEME	IC4M	AA3	AA3	XRF1	XRF1



PASMINCO  
EXPLORATION

A Division of Pasminco Australia Limited  
ACN 004 074 962

31 July 1996

Mr Alistair Mackie  
Managing Director  
Centralfield Minerals  
PO Box 1462  
ALICE SPRINGS NT 0871

116 Fullarton Road  
Norwood SA 5067

Dear Mr Mackie

**RE: Stream Sediment Survey - Aruntas Area**

Pasminco Exploration have recently completed a regional stream sediment sampling program in the eastern Aruntas, Northern Territory. As previously discussed, this sampling program included areas under licence to or managed by Centralfield Minerals.

Enclosed are location and analytical data pertaining samples taken from these licence areas. All samples are the -80# fraction of stream sediment, taken from a number of sites within the active channel. No overbank material was collected. Approximately 200g of sample was sieved at each site, and stored in a kraft paper bag which was sealed within a plastic bag. Each site was GPS located.

Analysis was carried out by Amdel, Adelaide. Samples were pulverised using code PREP5L then assayed as follows:

IC2E (ICPOES)	Cu (1), Pb (3), Zn (1), As (1), Ni (1), Cd (1), Ag (0.5), Mn (5), Fe(100), Co (1), Cr (5), Bi (5), Sb (5)
XRF1L	Ba (10), Sn (4), W(5), Zn (10)
FA3	Au (1 ppb)

P脉 have been retained from this work, and we hold information regarding float observed in sampled creeks. Please contact me should you wish to make use of these data sets, or require any further information.

Thanks for allowing Pasminco Exploration access to these licence areas.

Yours sincerely

*Mark Saxon*  
Mark S Saxon  
Senior Geologist

PASMINCO EXPLORATION - SA

## Stream Sediment Survey

Centralfield Minerals ELs 9164 and 8489

SAMPLE NO.	AMG NORTHING	AMG EASTING	Cu ppm	Pb ppm	Zn ppm	As ppm	NI ppm	Cd ppm	Ag ppm	Mn ppm	Fe %	Co ppm	Cr ppm	Bi ppm	Ba ppm	Sn ppm	W ppm	Zn_total ppm	Au ppb
132917	7455360	405411	16	14	30	5	21	0.5	0.25	370	7.02	13	185	2.5	320	4	2.5	145	0.5
132918	7455679	405005	17	12	32	3	20	0.5	0.25	390	6.83	13	175	2.5	410	7	2.5	130	0.5
132919	7456058	404229	18	14	42	1	19	0.5	0.25	450	8.49	15	190	2.5	330	2	2.5	140	0.5
132920	7453373	402899	14	10	36	4	14	0.5	0.25	400	4.02	10	135	2.5	410	2	2.5	75	0.5
132921	7453430	402556	14	8	36	3	15	0.5	0.25	430	6.16	12	175	2.5	390	7	2.5	110	0.5
132922	7452657	402183	15	8	34	0.5	17	0.5	0.25	380	4.37	11	180	2.5	450	3	2.5	80	0.5
132923	7452656	402008	18	14	43	1	19	0.5	0.25	680	9.42	16	220	2.5	270	5	5	185	0.5
132924	7453100	404854	15	12	33	3	17	0.5	0.25	440	5.57	12	180	2.5	340	4	2.5	140	0.5
132925	7453044	404800	15	6	28	0.5	15	0.5	0.25	270	3.23	9	125	2.5	560	3	2.5	55	0.5
132926	7451991	407056	14	8	31	2	16	0.5	0.25	330	5.16	11	170	2.5	400	6	2.5	100	0.5
132930	7456175	397655	24	12	49	0.5	27	0.5	0.25	600	6.82	18	200	2.5	450	3	2.5	120	0.5
132931	7454960	397893	14	6	34	2	19	0.5	0.25	470	6.39	13	175	2.5	380	6	2.5	115	0.5
132932	7452186	406403	17	10	33	2	14	0.5	0.25	580	6.36	13	155	2.5	210	1	2.5	150	0.5
132933	7451935	406232	19	6	33	0.5	24	0.5	0.25	320	6.74	13	190	2.5	540	4	5	140	0.5
132935	7453101	397832	17	6	40	0.5	21	0.5	0.25	350	6.81	13	195	2.5	440	5	2.5	110	0.5
132936	7452706	397977	15	8	34	0.5	23	0.5	0.25	350	6.05	12	200	2.5	410	4	2.5	120	0.5
132937	7451835	398850	18	12	38	3	25	0.5	0.25	400	5.88	12	195	2.5	430	4	2.5	135	0.5
132938	7450928	399031	18	6	39	1	19	0.5	0.25	410	5.66	12	195	2.5	460	3	2.5	110	0.5
132939	7451018	399263	26	12	47	0.5	28	0.5	0.25	490	6.99	16	210	2.5	400	3	10	125	0.5
132705	7443650	421360	27	10	50	1	27	0.5	0.25	460	4.15	14	125	2.5	430	3	2.5	60	0.5
132706	7443469	419875	22	12	43	1	44	0.5	0.25	640	11.1	21	330	2.5	240	5	2.5	220	0.5
132707	7443069	420071	26	10	52	0.5	28	0.5	0.25	470	5.69	15	200	2.5	390	5	2.5	90	0.5
132708	7443076	422092	12	8	33	1	53	0.5	0.25	460	14.3	21	310	2.5	250	16	2.5	220	0.5
133075	7443912	417143	13	8	26	0.5	24	0.5	0.25	370	6.64	12	210	2.5	460	4	2.5	90	0.5
133076	7443918	417252	19	10	29	2	26	0.5	0.25	340	9.8	17	210	2.5	210	11	2.5	135	0.5
133077	7444803	417413	18	6	27	0.5	27	0.5	0.25	380	7.6	15	240	2.5	370	10	2.5	120	0.5

