

88-2855

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Resubmit to	Date

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METALS EXPLORATION LIMITED

WELD RIVER
SOUTH WEST TASMANIA
EL 11/84

ANNUAL REPORT FOR THE PERIOD ENDING
27TH SEPTEMBER, 1988

REPORT NO. 212008

OPEN FILE

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M.C. Forster
Exploration - Perth
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S. Carthew
R. Poltock
P. Bellairs

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741003

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SUMMARY

The Weld River Precambrian - Cambrian inlier comprising in part sediments and altered ultramafics was assessed for gold, platinoids, chrome and nickel.

Exploration to date includes 18.2km ground magnetics, geological mapping and bedrock geochemistry. Work commenced in April and the last phase of Wacker percussion drill sampling will be completed by mid August.

Anomalous chrome, nickel and platinoids are associated with a talc hematite magnetite schist. A strong magnetic response also correlates with this unit. Anomalous gold and arsenic is associated with silicified quartzite and chert; and a deeply weathered unit of unknown lithology. This latter anomaly correlates with a magnetic low immediately east of the talc schists.

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741005

1. INTRODUCTION

1.1 Location and Access

The Weld River commences in the area between Mt. Bowes and Mt. Mueller in south central Tasmania, and drains in a south east direction for about 30km to its confluence with the Huon River, 24km west southwest of Huonville, and 50km south west of Hobart.

The area covered by EL 11/84 is centred on Glovers Bluff, and the eastern boundary of the property is situated 2.5km north west of the Weld-Huon river junction, figure 1.

The principal access to the Licence area is via the Arve Road from Geeveston to the Huon River, and thence along the South Weld Road to the southern half of EL 11/84. Access to the northern half of the property is via the Weld Road from Judbury, the last 5km of which is only navigable by 4WD vehicles in dry weather. The Weld Road was improved during 1988 by providing better drainage and upgrading the bridge crossing Barnback Creek.

1.2 Topography and Drainage

The Licence area is one of rugged relief, ranging from 50m ASL on Glovers Plain to 700m ASL near Mt. Frederick in the south west, and to 440m ASL on Bernard Spur in the north west portion of the property.

The Weld River bisects the licence from north west to south east, and all minor drainage is directed northward and southward in to this major tract.

Close to the valley of the Weld River, local topography is dominated by the NW-SE trending Bernard Spur - Camels Back ridge which culminates in the 180m high cliff face of Glovers Bluff.

1.3 Vegetation

The vegetation present in the Licence area is of the low altitude - high rainfall type, ranging from button grass moor (over the Precambrian age metasediments) to the Eucalyptus obliqua tall wet sclerophyll forest over both the other rocks of the Weld River inlier and the enclosing Parmeener Super Group rocks. Localised patches of dense rain forest and scrub occur, particularly south of the Weld River at the eastern end of Glovers Plain.



5 cm

METALS EXPLORATION PTY. LTD.	
WELD RIVER - E.L. 11/84	
LOCATION PLAN	
Drg.No.: 02/W/1/02	
SCALE 1:500000	
5000 0 10000 METRES	
DRAWN BY : T.G.D.S. DRAFTSMAN : T.G.D.S. DATE : Aug.88 REVISIONS :	SK 55-8 8312 FILE NO. FIG. I

1.4 Tenure

Exploration Licence 11/84, covering an area of 25 sq.km, was granted to M.C. Forster on the 28th September 1984 for a period of up to ten years.

The Licence area is entirely enclosed by the South West Conservation Area (SWCA, proclaimed in 1978).

The Weld River part of the SWCA is currently administered by the State Forestry Commission, (logging operations in the general area are accessed by the South Weld Road).

Since the 5th January 1987, the rights to explore for metallic minerals in EL 11/84 have been the subject of an option agreement between M.C. Forster and Metals Exploration Limited.

1.5 Previous Exploration and Mining

Reward Leases for both nickel (north bank) and osmiridium (south bank) were granted during the osmiridium boom of the 1930's. The nickel occurrence was prospected by shallow pits and shafts, while the PGE may have either an eluvial or alluvial source within the reward lease area.

In addition, an adit was driven into the southern end of Hogsback Hill, reputedly for gold.

There is no recorded production of nickel, gold or platinoids (osmiridium) from the area. Pioneer Concrete Services conducted an open hole drilling programme across and along the Hogsback Hill in 1985.

1.6 Exploration Philosophy

The exploration model adopted to investigate the platinoid potential of the area is one of PGE concentrations in the cumulative layers of a stratiform complex, typified by the Bushveld and Stillwater Complexes.

Considerable tectonic remobilisation and consequent dismembering of the ultramafic rocks is believed to have occurred in the Weld River area.

1.7 Regional Geology

The regional setting is related to Palaeozoic sedimentary and volcanic processes in the linear Adamsfield Trough between the Precambrian metasediments of the Tyennan block to the west and the Jubilee block in the east.

The Adamsfield Trough is a north-south striking structure extending from the Gel River in the north to New River Lagoon on the South West Coast.

Cambrian lithologies deposited in the trough include fine grained argillites, greywacke - conglomerates, cherts and mafic extrusives. These are probably correlatives of the Crimson Creek Formation of the Waratah district on the West Coast.

Crustal processes in the later stage of sedimentation resulted in serpentinitized ultramafics being thrust into the trough. The serpentinites and associated regional shear zones strike north-south parallelling the trough margins.

Following a period of deformation in the late Cambrian, the Ordovician Junee Group conglomerate, sandstone and limestone were deposited within the trough. These sediments were primarily derived from the Tyennan Block metasediments with some localized derivation from within the trough. This locally derived detritus is of economic importance forming fossil placers of chromite and platinoids in basal Junee Group conglomerates at Adamsfield.

The mid Devonian Tabberabberan Orogeny, a period of folding, followed the deposition of the Junee Group. Granitoids associated with this orogeny and tin-tungsten mineralization in western Tasmania are absent from the Adamsfield Trough.

This orogeny was followed by a period of erosion and the subsequent deposition of Carboniferous to Triassic sediments. These subhorizontally lying beds have been extensively intruded by Jurassic dolerite sills and dykes.

Mineralization recorded in the Adamsfield Trough is restricted to chromite and platinoids in the ultramafics and associated placer deposits in basal Junee Group conglomerates and Tertiary to recent alluvials.

1.8 Work Undertaken

- 18.2km of gridding
- 18.2km of ground magnetics
- 228 holes drilled totalling 1435 metres to recover bedrock samples

008

159 analyses of wacker bedrock samples and 41 rock chip samples

- geological mapping and logging of wacker samples

2. CURRENT EXPLORATION ACTIVITIES

2.1 Gridding

The grid consists of a 2.2km north-south baseline from which 23 east-west grid lines were cut at 100m intervals. Plan 1 contains the geological map of the Weld River which details the grid location.

2.2 Geology and Mineralization of the Weld River EL

Exploration Licence 11/84 covers an inlier of Precambrian to Cambrian aged sediments and altered ultramafics which are unconformably overlain by Permian tillites and have been intruded by Jurassic dolerites, figure 2 and Plan 1.

The Weld River grid covers the main body of the inlier which consists of quartzite, carbonates, argillaceous greywacke and conglomerate, altered ultramafics and silicified fine grained sediments.

A north trending regional shear zone is interpreted within the ultramafics and argillites. Both these lithologies have undergone extensive talc alteration.

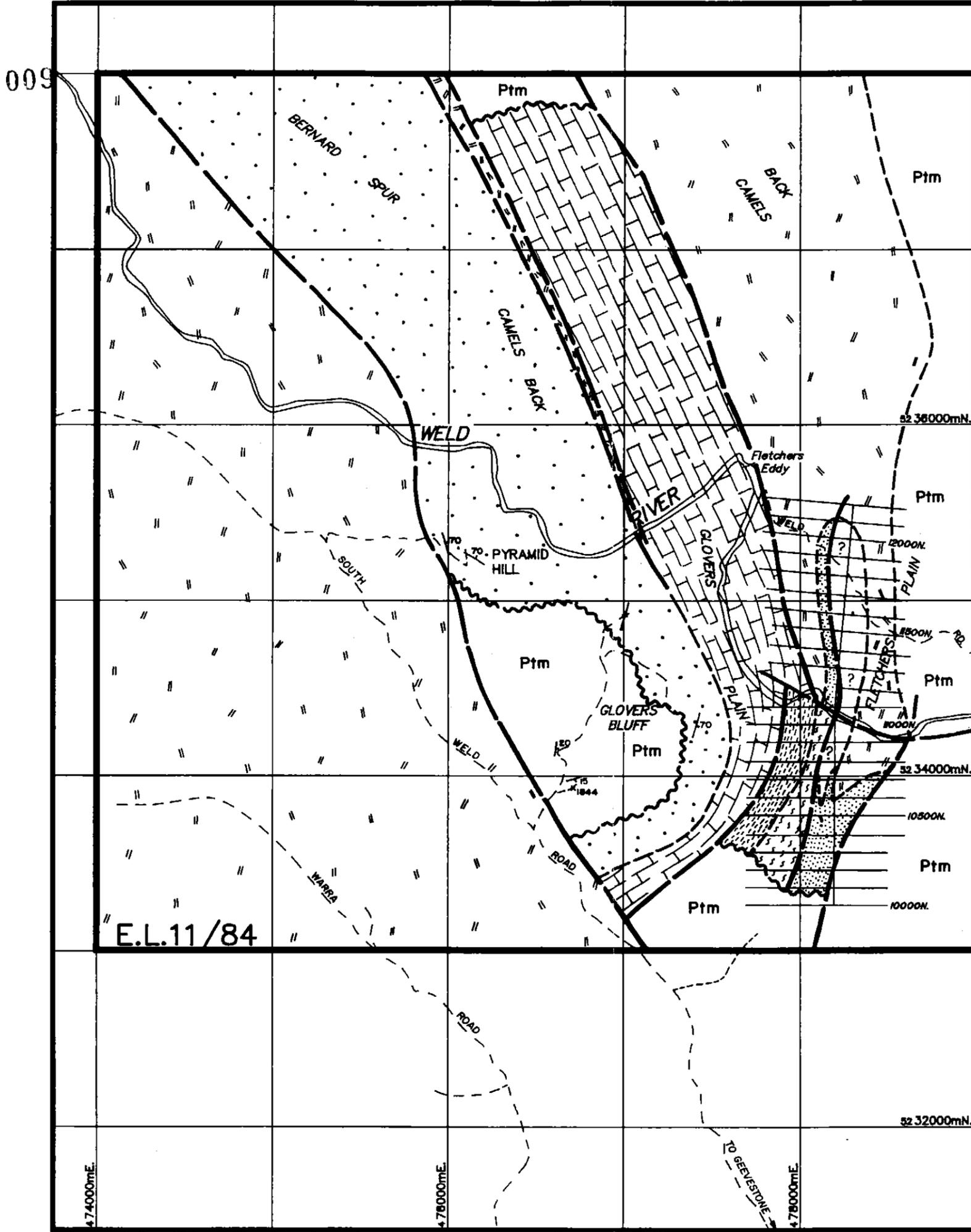
Outcrop on the grid is in the vicinity of 5%, lithologies being obscured by alluvials of the Weld River. The best exposures are in the bed of the Weld River immediately upstream from the baseline.

Cambrian lithologies from west to east include:

1. Quartzite at Glovers Bluff, 100m west of the grid.
2. Carbonates, which are located on the western flank of the grid underlying alluvials on Glovers Plain. The unit is a white, fine grained carbonate, frequently with chalcedony veinlets. It is uncertain as to whether the carbonate has a sedimentary origin or is an altered ultramafic.
3. Argillaceous conglomerate, greywacke and siltstone; the best exposure of these rock types is in the Weld River in the vicinity of 11100N, 10200-400E.

The sediments are variably foliated and talc altered. Petrological work reported by Summons 1987 indicates that detritus has been in part derived from an acid to basic volcanic terrain, the reported rhyolite is interpreted by the authors to represent a clast rather than indicate the presence of Mt. Read type volcanics in the licence area.

88-2855



LEGEND

- JURASSIC**
 - Dolerite
- PERMIAN**
 - Ptm Tillite and mudstone
- CAMBRIAN**
 - Silicified unit - chert/quartzite
 - Talc schists +- magnetite - ultramafics/basic volcanics
 - Argillaceous conglomerate, greywacke and mudstone +- tuffaceous
 - Lithology unknown - deep clays (carbonate or altered ultramafics)
- PRE CAMBRIAN - CAMBRIAN**
 - Carbonate
 - Quartzite and siltstone

INTERPRETED GEOLOGICAL BOUNDARIES

- Fault
- Contact
- Unconformity
- Bedding 80°
- Foliation

5 cm

METALS EXPLORATION PTY. LTD.	
WELD RIVER - E.L. 11/84	DRAWN BY: R.P.
INTERPRETATIVE GEOLOGY	DRAFTSMAN: T.G.D.S.
	DATE: Aug '88
SCALE 1:25000	REVISIONS:
	SK 55-8 8312
Drg.No: 02/WR/2/01	FILE No.
FIG. 2	

4. Talc hematite magnetite schists outcrop in the Weld River at 11100N, 10425E and further south on the grid at 10300N, 10330E. Due to their magnetic signature and chrome and nickel anomalism, this lithology is interpreted to have originally been a mafic or ultramafic.

Although the schist frequently contains magnetite, there are talcose rocks with anomalous chrome and nickel on both the north and south banks in areas of background magnetics.

5. Silicified unit which includes quartzite, cherts and possibly silicified ultramafics. The best exposures are in a short adit and the adjacent Weld River at 11150N, 10450E. Pervasive silicification and quartz veining are typical of the unit, Plate 9, Appendix 3. These silicified lithologies support a distinctive heath vegetation which can be seen on the Hogs Back and in vicinity of 10400N, 10500E.
6. Unknown lithology, which is expressed by a topographic low extending from 10500E, 10500N north through to Fletchers Plain, is underlain by alluvium and clay which is up to 21.4m deep. The only outcrop in this zone is in the Weld River on the baseline and it is interpreted to be a silicified ultramafic.

Permian

Tillite and mudstone unconformably overlies the Cambrian sequence on the southern most line of the grid, and contacts along the eastern flank of the grid are probably faulted.

This unit outcrops poorly and its soils are difficult to differentiate from those of the Cambrian lithologies. Tillites and calcareous mudstones are locally hornfelsed in proximity to dolerite intrusives, as seen in pyritic cobbles in the Weld River and on the access line to the grid from the South Weld Road.

Jurassic

Doleritic rocks ranging from fine to medium grained outcrop extensively on the north and north-eastern sections of the grid, where they are considered to comprise a shallow dipping sill underlying the Hogs Back silicified zone. This interpretation is supported by the dolerites outcrop pattern and the presence of flat lying joint sets in the silicified unit which may have facilitated intrusion.

The dolerites are interpreted to be primarily of Jurassic age but those containing pyrite may be older.

011 Tertiary - Recent

Extensive alluvial cover exists in the Weld valley. This is up to 21m thick, consisting of an upper layer of fine alluvium passing down through alternating cobble beds and clay. Isolated occurrences of greybilly occur throughout the lower levels of the grid. The rock type is typically a silicified, angular to subrounded gravel. Difficulties may be encountered in drilling the alluvial areas if these greybillies persist at depth.

2.3 Magnetics

The ground magnetic survey was conducted using a Scintrex model MP-2 proton precession magnetometer. The data are presented in contour form on Plan 2. The most intense anomaly lies west of the baseline between lines 10700 and 10900N. From Wacker logs, the anomaly correlates with a talc-hematite-magnetite-chromite schist. This unit can be traced under the Permian tillite to the south even though the magnetic response weakens.

The magnetic data indicates that the talc-hematite-magnetite-chromite schist (altered dunite) has a clearly defined magnetic signature; up to 7000 nT above background. In the southern section of the grid, the schist is interpreted to have a strike length of about 1.2km and a width of 125m based on magnetics, exposure and wacker drilling results. The schist's eastern contact is interpreted to be a fault with dolerite and a silicified unit. To the south, the magnetic signature weakens as Permian tillite and mudstone unconformably overlie the schist, whilst in the west, the Glovers Bluff Quartzite is juxtaposed. To the north this talc magnetite schist zone is terminated by a northwest trending fault in the Weld River.

Although the intense magnetic high associated with the schist is terminated by the fault, talcose clays with anomalous chrome have been exposed in pits at 11900N on the Weld Road. Magnetics over this unit are weakly anomalous 63000 to 63500nT, but the zone probably warrants further geochemical exploration to assess its platinoid potential.

Dolerites, the silicified unit and the Permian mudstone provide no particular magnetic signature.

Ground magnetic data in the Weld area are difficult to correlate with the airborne survey undertaken for BHP in 1966. The intense north-south trending anomaly associated with the talc schists is probably represented by a weak NE trending high on the north bank of the river, figure 3. Another interesting feature of the aeromagnetics is that dolerites north and south of the Weld Grid have a strong magnetic character, but those on the grid are only weakly magnetic. This may indicate that dolerites in the grid area are quite thin.

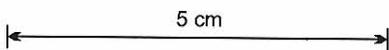
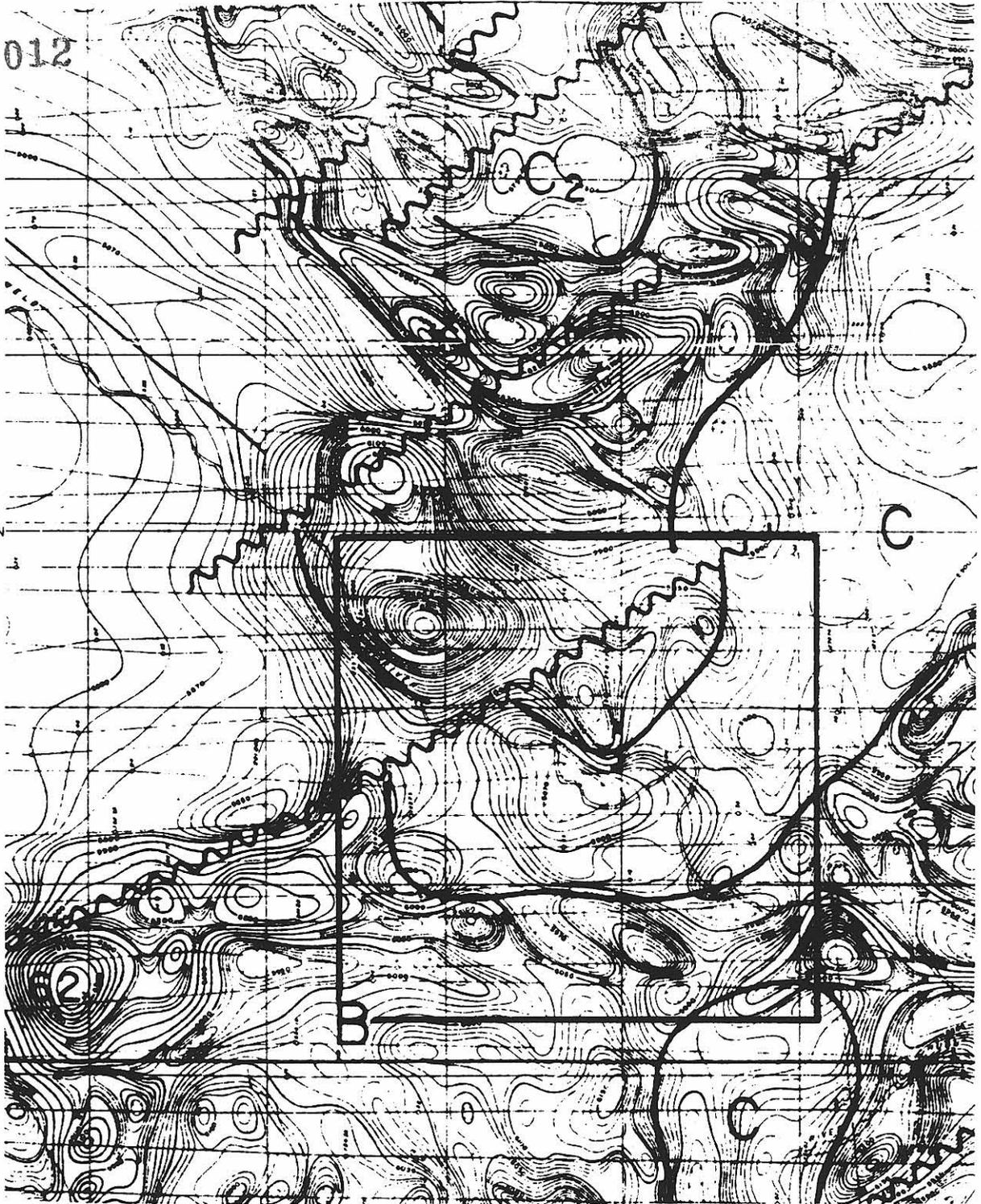
2.4 Wacker Drilling

Due to thick alluvial cover, the Wacker percussion drill was used for bedrock geochemical sampling. Appendix 1B details

479000mE

012

5238000mN



1 : 63,360



Project	WELD RIVER E.L. 11/84 Tasmania				
Title	AEROMAGNETIC SURVEY S.W. TASMANIA Total Magnetic Intensity				
Author	SC	Date	PER	Scale	1 : 63,360
Drawn	JB	Office	8/88	Revised	Date
Drawing No. 02/WR/4/05				SK 55-2 8312	Fig. No. 3

013

the hole locations, lithological logs and assays for the 228 sites drilled to the south of the Weld River. Holes were spaced at 25m intervals along the grid lines. The samples were logged and only those considered to be in bedrock were submitted for assay. On lines 10600 to 10900N more than 50% of holes bottomed in alluvial gravels. Depth to bedrock is variable with a maximum of 21.4m. Wacker sampling to the north of the Weld River in the Fletchers Plain area is currently being undertaken. About 130 sites will be drilled, the results of which will be detailed in next year's annual report.

2.5 Geochemistry

A total of 200 rock and Wacker bedrock samples have been submitted for Au, As, Ni and Cr assay, with 67 selected samples being analysed for P.G.E.s. Samples were forwarded to Analabs in Burnie for preparation and assaying for nickel and arsenic by atomic absorption, chrome by X.R.F. and gold by fire assay. Selected samples based on Cr and Ni assays were despatched to Analytical Services, Perth for ICP determinations of PGE abundances (Pt, Pd, Ru, Rh, Os, Ir) using the nickel sulphide fire assay collection technique followed by an ICP finish.

Threshold values for Au, Cr, Ni and As were calculated from the assay data by plotting cumulative frequency distributions and taking the intersections of the best fit curves through "background" and "anomalous" populations as the threshold points, figures 4 to 7. The table below summarizes the data.

	<u>Threshold Grade</u>
Au	0.05 g/t
Cr	5200 ppm
Ni	1500 ppm
As	25 ppm

Plans 4 and 5 present the Ni, Cr and PGE assays/contours and delineate several anomalous zones.

These anomalies broadly correlate with the talc schists, and the magnetic high between 10100 and 10700N. The geochemical anomaly however, extends to the Weld River while the magnetic response is weakened by thick alluvial cover. The maximum values from Wacker samples are:

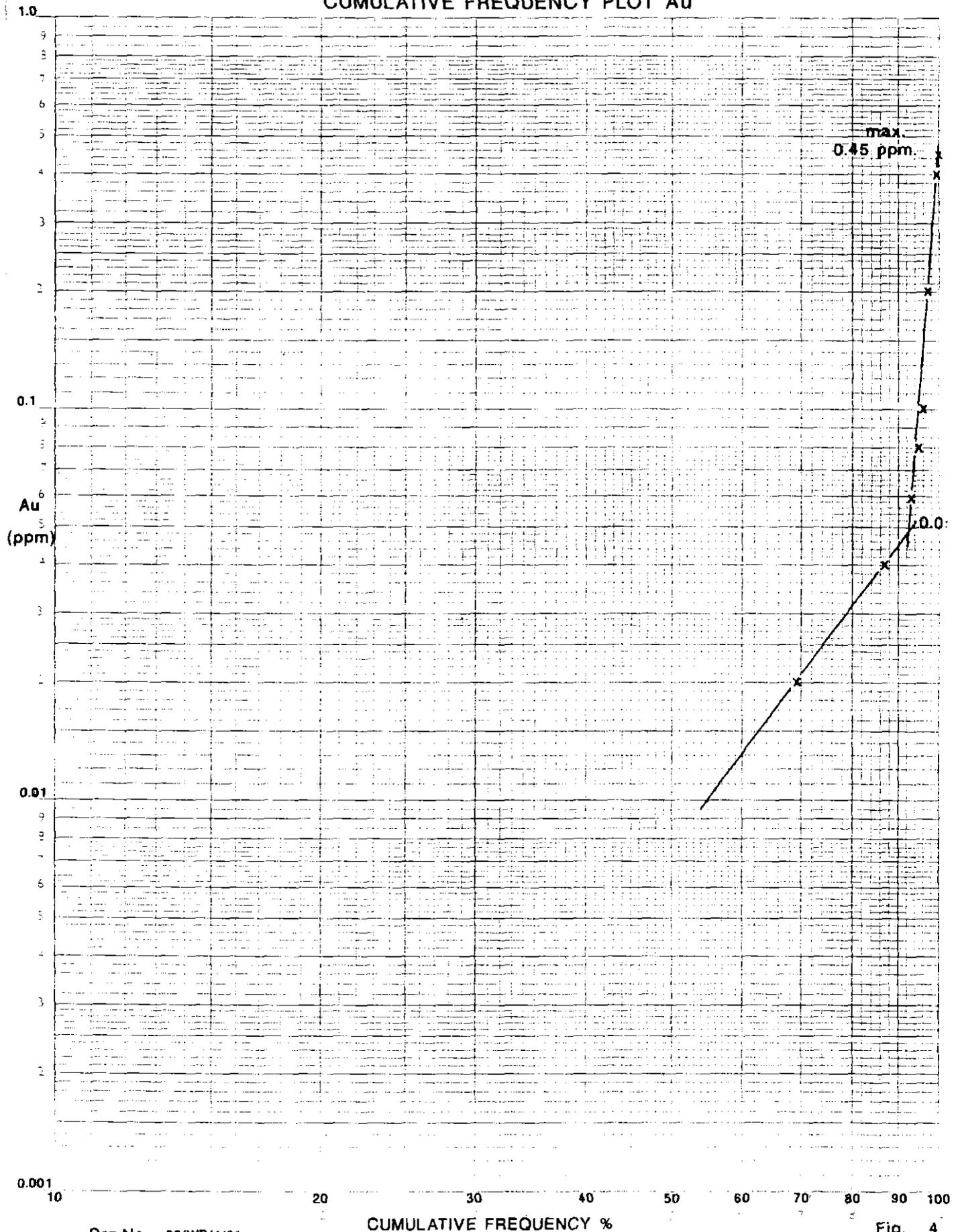
- Cr 1.05% at 10300N, 10525E
- Ni 0.36% at 10300N, 10125E
- Pt 36ppb at 10300N, 10100E
- Ir, Os 54 and 34 ppb respectively at 10700N, 10175E

The Ir and Os may be associated with alluvials, the Wacker log indicating that a mudstone was sampled.

Au As anomalies (Plan 6)

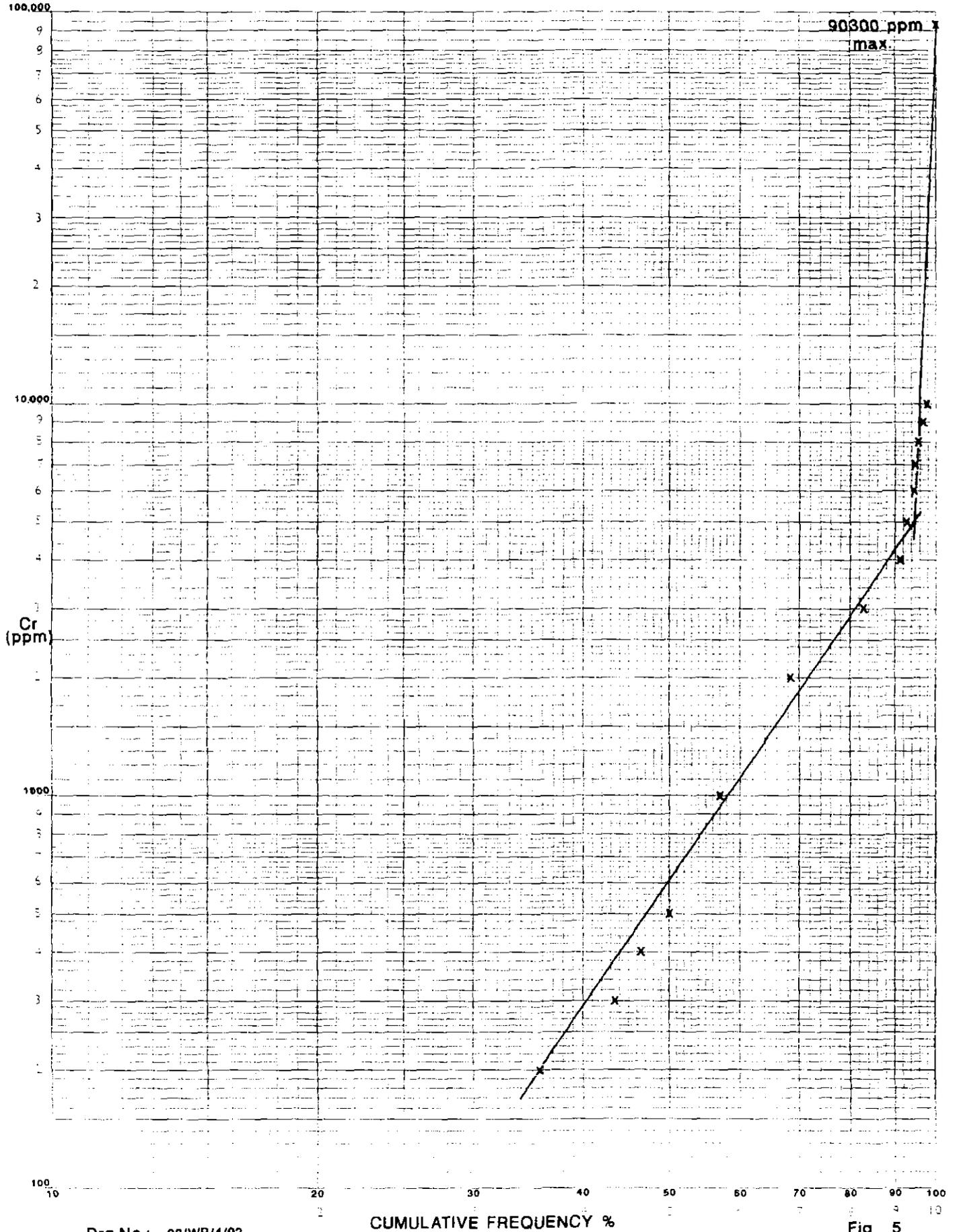
WELD RIVER E.L. 11/84
Tasmania

CUMULATIVE FREQUENCY PLOT Au



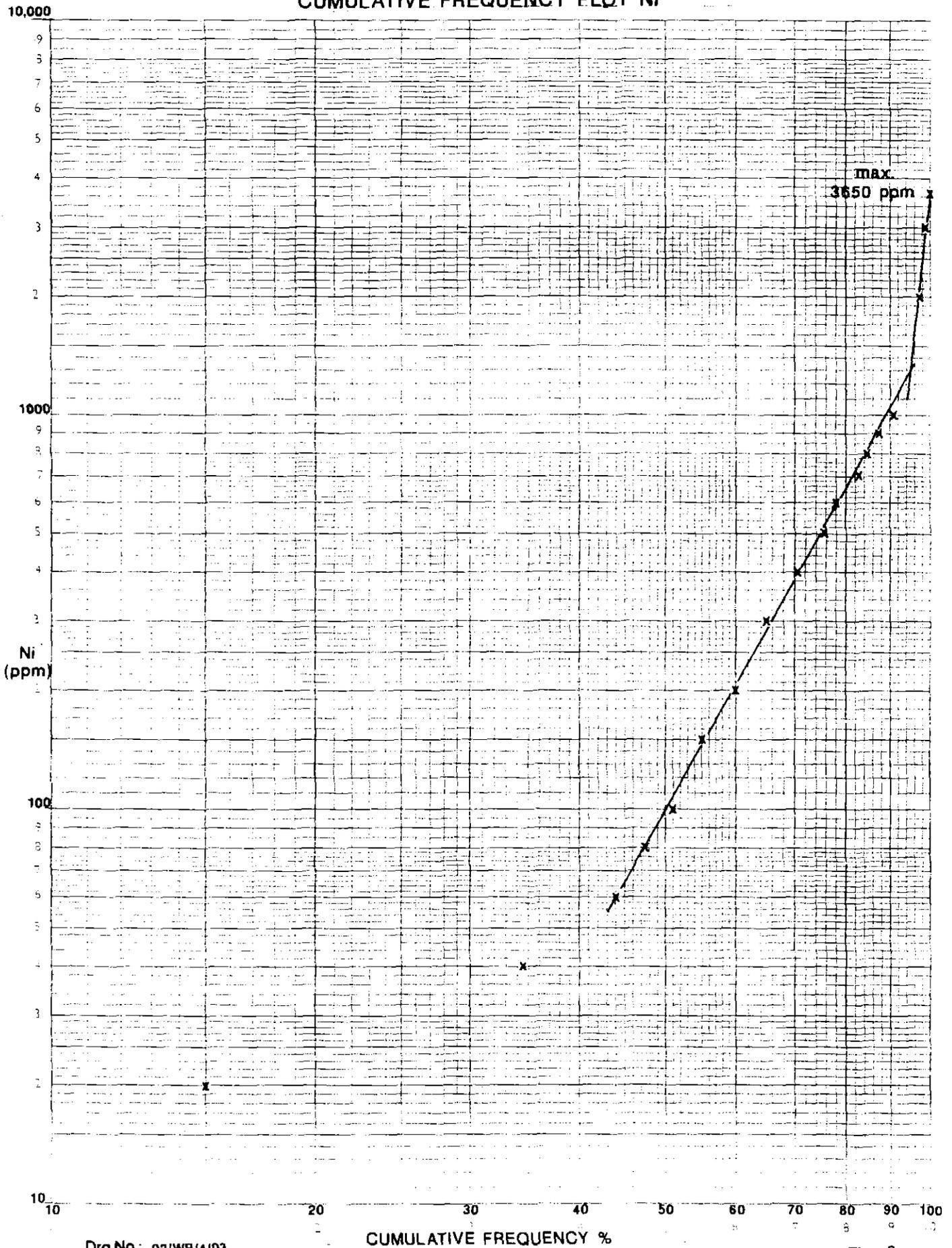
WELD RIVER E.L. 11/84
Tasmania

CUMULATIVE FREQUENCY PLOT Cr

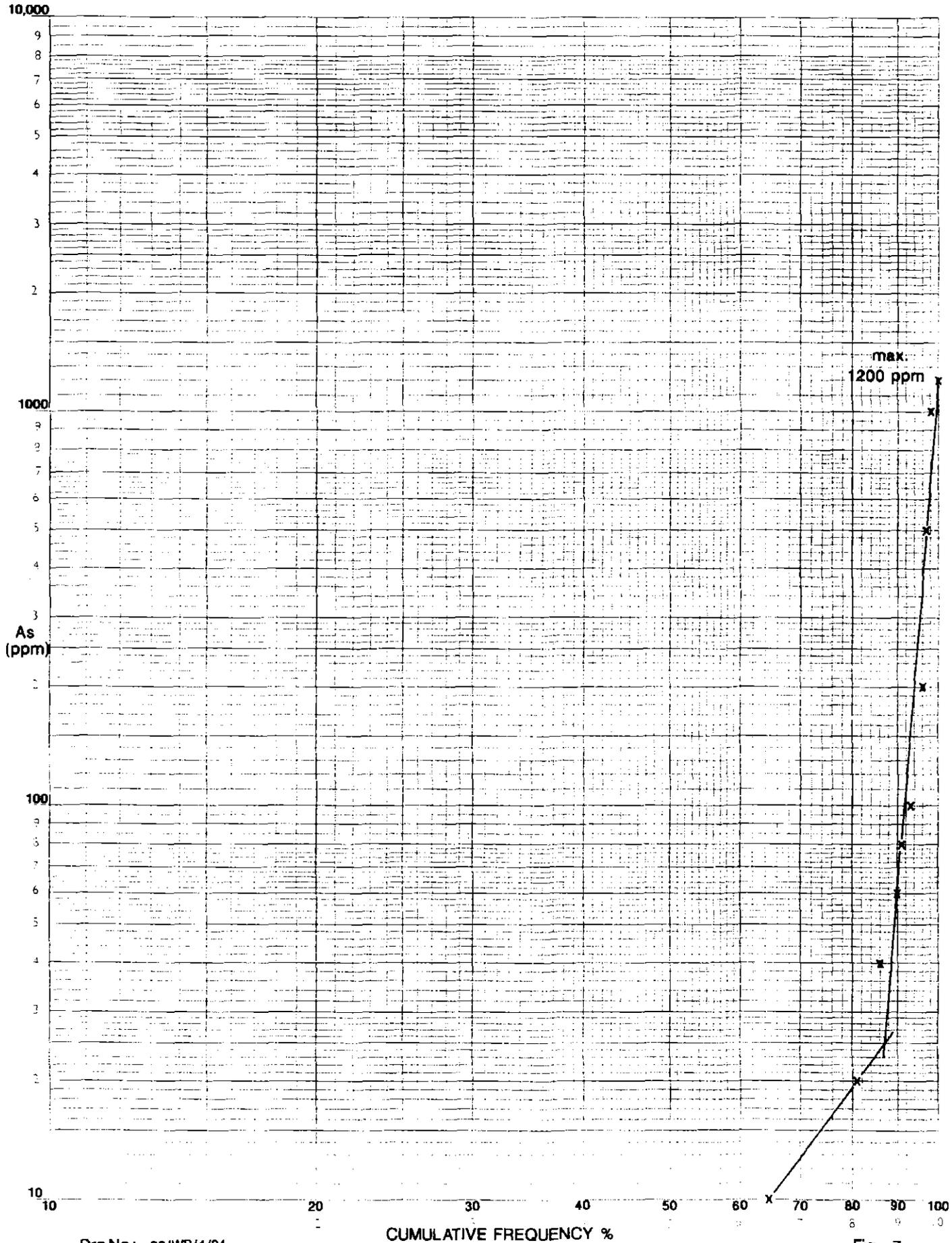


WELD RIVER E.L. 11/84
Tasmania

CUMULATIVE FREQUENCY PLOT Ni



WELD RIVER E.L. 11/84
Tasmania
CUMULATIVE FREQUENCY PLOT As



018

Anomalous levels of these elements correlate with the magnetic low west of the talc magnetite schists, between 10100-10900N and 10400-10500E. Outcrop is extremely poor and the anomalies are associated with carbonaceous clay, mudstone and the silicified unit. The deepest Wacker holes (21.4m) are in this area.

The anomalies lie in two zones, the southern one is well defined but the northern one is open ended and poorly defined due to the alluvial cover. Shallow prospecting pits and eluvial workings are associated with the southern anomaly. Maximum Au and As in Wacker samples are 0.59 g/t and 1180ppm respectively.

2.6 Percussion Drilling

The proposed percussion drilling programme to test the silicified unit at Hogsback Hill was cancelled due site difficulties caused by heavy rains.

3. CONCLUSIONS/RECOMMENDATIONS

The current exploration programme has outlined the talc-hematite-magnetite-chromite schist (?altered dunite) and has demonstrated that it has a coincident magnetic-geochemical signature. The assay data indicates that this unit has anomalous PGE (0.054 g/t max.) and gold (0.28 g/t max.). The Hogsback Hill silicified unit also has anomalous gold values (0.59 g/t max.). It is therefore recommended that further close inspection of these prospective units be undertaken.

4. REFERENCES

- Aero Services; 1986: Interpretation Report, Airborne Magnetic Survey in SW Tasmania for Broken Hill Pty. Ltd.
- Summons, T.G.; 1987: Metals Exploration Ltd., Weld River EL 11/84 Annual Report for period ending 27th September, 1987. Report No. 212003

019

EXPENDITURE STATEMENT**WELD RIVER EL 11/84**

I, Ian Raymond Holzberger of 619 Murray Street, West Perth do solemnly and sincerely declare that expenditure for Exploration Licence 11/84 - Weld River for the 12 month period to 27 September 1988 is \$73,188 as set out below.

	\$
Air Photos and Mapping	109
Assaying	5120
Contractors	28819
Contractors - Drafting	424
Data Processing	1375
Drilling - Other	15604
General Expenses	1765
Hire - Equipment	2940
Hire - Vehicles	1870
Technical Services	8960
Metallurgical Research	203
Motor Vehicle Costs	359
Rent - Premises	2997
Repairs & Maintenance - General	242
Tenement - Administration	300
Travel & Accommodation - Local & Interstate	<u>2101</u>
TOTAL COSTS - WELD RIVER	<u>73188</u>

And I make this solemn declaration conscientiously believing the same to be true and by virtue of Section 106 of the Evidence Act 1906.

Declared before me at Perth)
this 29th day of August 1988)

Ian R. Holzberger

Before me

Arjuna
Authorised person

APPENDIX 1

Sample record and analytical data sheets

a) Rock Samples

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION LTD
 PROJECT WELD RIVER 11/84
 PROSPECT

SAMPLE RECORD AND ANALYTICAL DATA SHEET
 LABORATORY ANALYSIS
 SAMPLE TYPE Rock

COLLECTED BY: R. Poltock
 DATE DISPATCHED
 DATE RECEIVED:

021
 A 2805

SAMPLE NUMBER	LOCATION		DESCRIPTION	PPM				PPB							
				Au	As	Ni	Cr	Ag	Pt	Pd	Ko	Rh	Ir	Os	
RP 1801	10500E	11030N	Permian tillite river gravels minor pyrite	*.02	13	35	84	-							
1802	10500E	12200N	Dolerite	<0.008	2	45	170								
1803	10000E	12200N	Carbonate (sed) with chalcidonic veinings	<0.008	1	20	10								
1804	10267E	12100N	Basalt/dolerite fine grained.	<0.008	1	55	9.03%	<2	5.5	12	5.0	16	2.5	2	
1805	1037SE	12100N	Chert/quartzite, silicified, chalcid veins	<0.008	1	25	140								
1806	10580E	11900N	fine, silicified, chalcidonic with vuggy cavities	.033	200	175	230	18	1.5	1.0	3.5	2.5	14	6	
1807	10450E	11100N	fine grained, abundant chalcid veinlets	.044	16	30	140	24	2.5	2.5	5.5	2.0	20	8	
1808	10425E	11100N Nth Bank	" " silicified	.012	8	40	200	6	1.5	4.0	5.5	2.5	19	8	
1809	10425E	11100N Sth Bank	Shear zone, talc lam mag schist, dolerite dyke	<0.008	6	610	6.32%	<2	4.5	4.0	13	4.5	18	6	
1810	10225-250	11100N	Gryswacke siltstone	<0.008	5	120	180	<2	4.0	4.0	3.5	3.5	19	8	
1811	10250	11100N	Basic dyke	.014	3	100	170								
1812	10500	11050N	Altered mafics?	.023	29	50	30								
1813	10112	10800N	Laterite overlying alluvials.	<0.008	1200	60	150								
1814	10700	10950N	Mudst-greywacke (P?), dk gry shale (E?)	<0.008	60	160	270								
1815	25m upstream from 1814		Gabbro-dolerite	<0.008	7	60	130								
1816	Forster Highway	11900N	talc clay from excavator pit	.015	34	300	2.25%	14	18	17	37	9.5	28	12	
1817	10835E	10500N	Qz fld crys? Permian tillite block												
1818	10330E	10300N	Brecciated chert + talc magnathic schist.	<0.008	2	225	0.26%	<2	7.0	1.5	5.0	2.5	16	8	
1819	10780E	10700N	Quartzose greywacke Tertiary												
1820	10730E	10700N	Silicified quartzite/chert, minor magnathic	<0.008	51	70	0.81%	<2	2.0	3.0	5.0	3.5	20	6	
1821	10450E	11150N	Basic intrusive, chilled margin fine pyroxhite, chloritoid mafics	<0.008	2	50	140	<2	5.0	4.0	3.5	3.0	20	10	
									6	7.0	6.5	2.0	19	8	

DUP 1821

41022

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION LTD
 PROJECT WELD RIVER R 11/84
 PROSPECT

SAMPLE RECORD AND ANALYTICAL DATA SHEET
 LABORATORY ANA LAB
 SAMPLE TYPE Rock

COLLECTED BY: R. Pollock
 DATE DISPATCHED:
 DATE RECEIVED:

A 2830

SAMPLE NUMBER	LOCATION		DESCRIPTION	PPM				PPB						
				AU	AS	NI	CR	AU	PT	PD	KO	RL	TC	O ₂
RP 1822	10400E	11200N	basic intrusive monzogabbro part of same	<0.008	<1	340	670	<2	1.5	4.5	4.0	4.0	13	8
1823	10350E	11190N	early an. 1821. talc schist - sheared ultramafic chromite magnetite	.008	1	600	0.43%	<2	1.5	2.5	4.0	5.0	15	6
1824	10550E	11625N	Nickle reward shaft opaline silica + yellow sulphur stain	.013	57	60	45							
1825	10200-225E	10100N	Dolerite, dissemin. py. weakly magnetic	<0.008	3	100	250							
1826	10512E	10100N	Permian mudstone?	.014	19	25	75							
1827	10725E	11100N	Monogabbro	<0.008	<1	40	100							
1828	9900E	11300N	Carbonate sed or altered mafic?	<0.008	1	20	<5							
1829	9900E	11225N	Greybill Tertiary.	<0.008	5	65	160							
1830	Kingston - Hornville Rd		Jurassic dolerite	<0.008	<1	50	120							
1831	10500E	11100N	River cobble Permian, calc-silicate monogabbro	.02	4	35	63							
1832	10450E	11150N	Adel north bank silicified unit partial	.05	9	35	76							
1833	"	"	" " " " " tunnel side	.04	6	20	28							
1834	"	"	" " " " " backs.	.03	13	40	108							
1835	10540E	11200N	Permian chromite zone Au, O.P.E.	NA										
1836	10425E	10460N	Prospect pit	.03	320	270	1220							
1837	10425E	10450N	River workings	.02	8	30	1.8%							
1838	10525-55E	10400N	Float silicified and < limonitic	.02	27	115	6920							
1839	10300E	10200N	Talc schist - greywacke, conglom	.01	1	310	5920							
1840	10150E	10200N	Perm. mudst - pebbly, < limonitic	.02	18	225	4060							
1841	10150E	10200N	Sandstone? < limonitic abundant veinlets	.01	12	25	299							
1842	Access track between grid. road.		Permian hornfelsed tuffite - dolerite contact	.02	4	45	112							

741023

APPENDIX I

Sample record and analytical data sheets

b) Wacker Samples

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT Metals Exploration Ltd

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: N Puck ⁰²⁵

PROJECT EL 1124
PROSPECT WELD RIVER

LABORATORY ANALYSIS
SAMPLE TYPE WACKER

DATE DISPATCHED:
DATE RECEIVED:

A 283

SAMPLE NUMBER	LOCATION		Depth	DESCRIPTION	PPM				PPB							
					Au	As	Ni	Co	Au	Pt	Pd	Ru	Rh	Ir	Os	
RP1901	10900N	10550E		Altered ultramafic?	0.008	230	20	50								
			0 - 2.5m	soft alluv, 2.5 - 4.9m cobbles												
1902	10900N	10525E	4.9m	Altered ultramafic?	0.048	150	50	45	28	2.5	2.5	5.5	2.0	17	8	
				hard cobble at 2m.												
1903	10900N	10550E	2.1m	clay alluv + doleritic cobbles												
1904	10900N	10575E	3.8m	Alluv " " "												
				2.5 - 3.5m hard cobbles.												
1905		10600E	4.1m	Alluv sand-clay + doleritic cobbles												
				3.5m hard cobble												
1906		10625E	3.2m	Alluv clay - sand alluv.												
1907		10650E	1.9m	" doleritic - quartzite fragments												
1908		10675E	4.2m	" " "												
1909		10700E	5-3m	" clayey + pebbles												
1910		10725E	7.6m	" doleritic quartzite												
1911		10750E	2.5m	" clay - fine gr sand.												

741026

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION LTD

PROJECT EL 11/24

PROSPECT WELS RIVER

SAMPLE RECORD AND ANALYTICAL DATA SHEET

LABORATORY ANALABS

SAMPLE TYPE WACKER

COLLECTED BY: N. Poltock

DATE DISPATCHED:

DATE RECEIVED:

026

A 2830

SAMPLE NUMBER	LOCATION		Depth	DESCRIPTION	ANALYSES							
					AU	AS	NI	CR				
RP 1912	10200N	10000E	6.8m	Qzite conc or bullock?	0.009	<1	5	7				
1913		1002SE	13.2m	Alluv dk brown organic + scattered qzite fragments. Hard gravel at 6m - 12m.								
1914		10050E	15.4m	Bullock - white carbonate hard gravel between 13 - 15.4m	<0.008	<1	40	50				
1915		1007SE	7.8m	Alluv clay + pebbles dolerite and quartzite								
1916		10100E	4.7m	Alluv clayey & qzite frag's								
1917		1012SE	4.6m	Bullock white carbonate.	<0.008	19	55	25				
1918		10150E	11.9m	Alluv - black mudstone + gravel hard gravel bed 5.0 - 6.5m								
1919		1017SE	7.9m	Alluv qzite pebble in blue grey clay								
1920		10200E	5.3m	Alluv dolerite pebbles in clay. hard gravel 4.0 - 5.3m								
1921		1022SE	4.9m	Alluv dolerite pebbles hard gravel 2.0 - 4.6m								
1922		10250E	3.0m	Alluv qzite pebbles hard gravel 1.6 - 3.0m								
1923		1027SE	4.7m	Alluv qzite dolerite pebbles hard gravel 2.0 - 4.7m								

741027

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION LTD

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: N. Pollock

PROJECT EL 11/84
PROSPECT WIND RIVER

LABORATORY ANALYSIS
SAMPLE TYPE WACKER

DATE DISPATCHED:
DATE RECEIVED:

A 2830

SAMPLE NUMBER	LOCATION	DESCRIPTION	PPM				PPB								
			Au	Ag	Ni	Cu	Au	Pt	Pb	Zn	Rh	Ir	Os		
RP 1924	10800N	10300E 6.2m Talc schist magnetic hard gravel 4.0 - 6.2m	IS	11	40	1850									
1925		1032SE 6.1m Talc schist - magnetic	<0.008	2	755	1800	<2	6.5	5.0	11	4.0	24	20		
1926		10350E 6.1m " " "	0.008	1	910	0.30%	6	6.0	8.5	12	5.0	17	12		
1927		10350E 4.3m Alluv													
1928		1037SE 4.2m Talc schist magnetic	<0.008	3	810	0.21%	<2	11	6	8.0	3.5	13	6		
1929		10400E 4.3m Chert - quartzite	0.090	690	765	790	40	7.5	5.0	11	4.5	20	10		
1930		1042SE 4.2m Alluv dark brown clay - sand													
1931		10450E 2.2m " quartzite fragments													
1932		1047SE 3.0m " white siliceous fragments													
1933		10500E 2.7m Bedrock? green-grey	0.059	42	35	10	20	2.0	2.5	5.0	1.5	14	8		
1934		1052SE 2.3m " ?	0.016	96	35	70									
1935		10550E 2.9m Alluv? dk brown - orange; dolomite													
1936		1057SE 3.6m " grey - brown clay													
1937		10600E 5.8m " " " + dolomite													
1938		1062SE 10.0m Bedrock dolomite	<0.008	7	160	190									
1939		10650E 5.9m Alluv clayey maybe with dolomite hard gravel 3.5m													
1940		1067SE 14.1m Bedrock dolomite	<0.008	16	55	170									
1941		10700E 11.0m Alluv grey/green + quartz + dolomite pebbles													
1942		1072SE 8.8m Bedrock - dolomite	0.014	200	140	330	6	3.5	2.0	7.0	2.5	24	12		
1943		10750E 6.3m " " "	<0.008	10	100	300	<2	11	2.5	7.0	4.0	16	4		

741028

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION LTD.

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: N. Pollock

PROJECT EL 11/84

LABORATORY ANALYSIS

DATE DISPATCHED: 0

PROSPECT WELD RIVER

SAMPLE TYPE WACKER

DATE RECEIVED: 23

A 281

SAMPLE NUMBER	LOCATION	Depth	DESCRIPTION	PPM				PPB												
				Au	Ag	Ni	Cr	Au	Pt	Pd	Rh	Ra	Ir	Os						
RP. 1944	10700N	10000E	4.3m Alluv g/zone pebbles in brown matrix																	
1945		10025E	7.8m " clay alluvium hard gravel to 2.5m.																	
1946		10050E	6.7m Alluv clay + scattered pebbles																	
1947		10075E	14.5m " 7.0-14.0m hard gravel																	
1948		10100E	8.4m " ? clay																	
1949		10125E	5.5m " clay + subrounded g/zone frags																	
1950		10150E	7.2m Alluv/bedrock (dolomite)																	
1951		10175E	6.5m Bedrock mudstone/siltstone	<0.008	6	495	1200	12	"	18	25	9.0	54	34						
1952		10200E	6.0m " "																	
1953		10225E	5.8m Alluv sandy clay, hard base may be bedrock																	
1954		10250E	4.0m Alluv grey green clay, minor pebbles																	
1955		10275E	5.7m " "																	
1956		10300E	3.8m " grey green + quartzite pebbles																	
1957		10325E	4.0m Bedrock talc schist may be white	<0.008	<1	930	0.29%	<2	9.5	11	5.5	2.5	21	6						
1958		10350E	3.6m Alluv green clay, dolomite + g/zone pebbles																	
1959		10375E	5.6m Bedrock?, 2.5-4.5 hard cobbles	<0.008	17	950	0.34%	6	6.5	10	16	5.5	21	10						
1960		10400E	4.9m Alluv quartzite cobbles																	
1961		10425E	10.1m Alluv, 7.5-9.0m cavity																	

741029

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION LTD

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: N Poltock

PROJECT EL 11/24
PROSPECT WELD RIVER

LABORATORY ANALYSIS
SAMPLE TYPE WATERER

DATE DISPATCHED:
DATE RECEIVED: 03

A 283

SAMPLE NUMBER	LOCATION		Depth	DESCRIPTION	PPM				PPB							
					Au	Ag	Ni	Cu	Au	Pt	Zn	Ko	Rh	Ir	Os	
RP 1962	10700N	10450E	2.9m	clay alluv or bedrock ?												
1963		10475E	4.4m	Alluv g/bite dolerite chert Rf												
1964		10500E	9.4m	"												
1965		10525E	7.8m	Bedrock? fine gravel, soft, thin joint Permian?	0.010	4	20	150								
1966		10550E	3.9m	Bedrock - dolerite	0.010	16	105	170	4	15	12	11	3.5	19	8	
RP 1967	10600N	10500E	1.2m	Bedrock - quartzite -	0.013	1	25	890	4	15	6.0	8.0	3.0	20	8	
1968		10525E	0.9m	"	0.063	<1	15	20	24	2.0	1.0	8.0	2.5	20	10	
1969		10550E	3.0m	" dolerite	0.009	<1	25	150								
1970		10575E	1.4m	" quartzite	<0.008	<1	5	120								
1971		10600E	5.6m	"	0.383	<1	10	20	2	2.5	3.5	2.5	2.5	20	8	
1972		10625E	10.0m	" cream brn - soft clayey	<0.008	21	50	75								
1973		10650E	1.3m	" quartzite Ruggy cavities	0.041	1	<5	100								
1974		10675E	1.2m	"	0.069	1	10	<0.01%	6	2.5	3.5	5.0	3.0	18	10	
1975		10700E	0.8m	"	0.018	<1	10	280								
1976		10725E	6.0m	Alluv orange clay + g/size pebbles												
		10750E	14.8m	Alluv no sample												
1977		10775E	10.6m	Bedrock, weath pink/brow, dolerite	<0.008	49	35	500	<2	4.0	3.0	8.0	4.0	17	8	
1978		10800E	?	Alluv ?	<0.008	11	35	100								
1979		10825E	14.0m	Alluv partially consolidated clays many pebbles	<0.008	33	75	150								

741030

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION LTD
 PROJECT EL 11/24
 PROSPECT WELD RIVER

SAMPLE RECORD AND ANALYTICAL DATA SHEET
 LABORATORY ANALYSIS
 SAMPLE TYPE WACKER

COLLECTED BY: N. Poltock
 DATE DISPATCHED: 03
 DATE RECEIVED: 00

A 283

SAMPLE NUMBER	LOCATION		Depth	DESCRIPTION	ANALYSES							
					AU	Ag	Ni	Cr				
RP 1980	10600N	10850E	12.8m	Alluv	<0.002	4	55	110				
1981		10875E	5.6m	" clayey + scattered blue pebbles								
1982		10900E	6.7m	" " "								
2001	10600N	10475E	10.2m 6.7m	Grey-green mudstone bedrock?*	.009	75	890	171				
2002		10450E	7.0m	Angular chert frags in a clay matrix	.02	24	620	41				
2003		10425E	6.3m	Fine clayey grit alluv? *	.22	42	105	893				
2004		10400E	7.6m	Kalke serpentine, + magnetite	.03	10	1650	1950				
2005		10375E	6.3m	Alluv? white quartzose gravel in sandy clay matrix	.04	5	60	1680				
2006		10350E	8.0m	Grey-brn clay	.02	12	290	824				
2007		10325E	8.6m	Alluv? quartzose pebbles in green gritty matrix	.02	10	200	418				
2008		10300E	9.4m	Grey-yel brn clay	.03	9	370	3120				
2009		10275E	8.4m	" " " + dolerite pebble Alluv?	.02	16	280	1390				
2010		10250E	9.6m	Clay dk gray-cream brn	.02	3	170	583				
2011		10225E	13.5m	Alluv carbonaceous gritty clay	.05	75	1300	264				
2012		10200E	11.0m	Dolerite med grit weathered	.63	6	300	419				

741031

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION
 PROJECT EL 11/84
 PROSPECT WELD RIVER

SAMPLE RECORD AND ANALYTICAL DATA SHEET
 LABORATORY ANALABS
 SAMPLE TYPE WACKER

COLLECTED BY: N. Pollock
 DATE DISPATCHED:
 DATE RECEIVED: 031

SAMPLE NUMBER	LOCATION		Depth	DESCRIPTION	ANALYSES							
					As	As	Ni	Cr				
RE 1983	10500N	10750E	12.8m	Grey compact sand/clay + pebbles Perm. mudstone?	.02	7	25	109				
1984		1072SE	10.4m	" " " "	.01	4	25	130				
1985		10700E	12.0m	Grey-yel brn clay	.03	11	20	134				
1986		1067SE	8.2m	Angular quartz gravel in blue grey clay matrix	.02	6	35	130				
1987		10650E	10.0m	Serpentine pale green, & talc	.03	9	1250	5890				
1988		1062SE	2.6m	Mudstone (Perm) pale brn	.06	1	80	685				
1989		10600E	1.3m	White quartzose bedrock	.17	<1	15	204				
1990		10600E	2.0m	" " "	.03	<1	15	216				
1991		1057SE	0.4m	" " "	.02	<1	15	23				
1992		10550E	2.0m	" " "	.02	<1	25	216				
1993		1052SE	2.5m	" " "	.02	<1	10	153				
1994		10500E	1.8m	Carbonaceous clay	.34	610	1850	1910				
20009		(20.8m) 10500E		Carbonaceous clay	.27	160	275	1350				
1995		(16.0m) 1047SE	15.9m	Chert fragments in carb. clay matrix	.04	16	90	88				
1999		(21.4m) 1047SE		Quartzite fragments in clay	.08	6	130	52				
1996		10450E	1.3m	Quartzite sand	.03	2	15	458				
1997		1042SE	0.8m	Quartzite sand	.03	2	20	382				
1998		(3.8m) 10400E		Mudst or basic intrusion, tan, fine	.03	9	780	760				
2020		1037SE	4.0m	Talc schist - minor magnetite	.02	5	870	3160				

741032

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: N. Poltock

PROJECT E211/24

LABORATORY ANALYSIS

DATE DISPATCHED:

PROSPECT WELD RIVER

SAMPLE TYPE WACKER

DATE RECEIVED:

033

A 283

SAMPLE NUMBER	LOCATION		Depth	DESCRIPTION	ANALYSES									
					Au	Ag	Ni	Cr						
RP 2029	10400N	10200E	8.0m	Talc schist, khaki, minor magnetite	.02	3	1900	3360						
2028		10225E	10.5m	" " " "	.03	<1	3200	2400						
2027		10250E	4.4m	Mudst, foliated, talc minor mag	.03	2	1350	3350						
2026		10275E	3.7m	Mudst, flecked (teffae) + mag	.02	17	520	5530						
2025		10300E	10.2m	Talc schist, khaki - massive + mag	.02	1	920	1740						
2024		10325E	2.9m	" " "	.01	3	980	2460						
2023		10350E	8.8m	Mudst, flecked (teffae), khaki	.05	4	370	667						
2022		10375E	8.0m	Talc schist, khaki - massive + magnetite	.03	51	1200	2260						
2021		10400E	1.6m	Mudstone (bedrock) cream brn + quartzite fragments	.05	110	160	844						
2020		10425E	1.5m	Cream brn with silice unit no magnetite	.04	100	60	994						
2031		10450E	3.0m	Silt/mudst cream, no mag	.03	22	45	1770						
2032		10475E	1.5m	White quartzite	.02	1	20	430						
2033		10500E	3.4m	" "	.03	<1	10	34						
2034		10525E	1.4m	" "	.03	<1	10	178						
2035		10550E	12.6m	Talc schist, grey-green, no mag	.02	20	1450	2980						
2036		10575E	4.2m	Perm' mudst, subrounded quartz fragments	.03	19	15	171						
2037		10600E	4.0m	" "	.01	19	15	211						

741034

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: N. Pollock

PROJECT EL 11/84

LABORATORY ANALABS

DATE DISPATCHED

PROSPECT WELD RIVER

SAMPLE TYPE WACKER

DATE RECEIVED: 034

A 22

SAMPLE NUMBER	LOCATION		Depth	DESCRIPTION	PPM				PPB								
					Ag	As	Ni	Cu	Au	Hg	Pd	Ru	Rh	Ir	Os		
RP 2038	10300N	10550E	6.8m	Perm mudst/tellurite dk grey	.01	9	20	106									
2039		10525E	135m	cream-brn talcosa, magnetic hematite	.01	23	340	1.05	10	28	19	23	5.5	30	14		
2040		10500E	6.3m	Qtzose - calcitic quartz? white-pale green	.45	84	40	20.50	280	12	11	7.5	3.5	18	14		
2041		10475E	12.4m	clay with rock with angular quartz frags	.09	170	75	9.57	40	9.0	8.0	7.5	3.5	21	12		
2042		10450E	3.2m	cream - very hematitic with rock	.06	1040	120	78.50	8	25	14	14	6.0	21	16		
2043		10425E	2.8m	cream with rock, minor hematite	.03	29	95	18.30	4	7.0	7.0	15	4.0	18	16		
2044		10400E	4.6m	Brn mudst.	.03	1100	1400	85.50	6	17	12	21	9.5	29	14		
2045		10375E	5.0m	Grey brn, with mudst or fine dolomite weak magnetic	.01	1	3000	2580	2	10	8.0	9.5	5.5	21	12		
2046		10350E	8.4m	Talc schist, khaki-purple, magnetic	.02	<1	860	2340	4	14	12	5.5	5.0	20	12		
2047		10325E	15.6m	" " maroon - khaki, minor magnetic	.01	1	1250	2510	6	8.5	7.0	4.5	4.0	17	12		
2048		10300E	14.1m	Talc schist maroon, minor magnetic	.03	<1	525	2480	<2	11	10	8.5	4.0	19	14		
2049		10275E	12.2m	" " " " " "	.05	<1	485	1900	<2	4.5	9.0	10	3.5	23	12		
2050		10250E	9.7m	Talc schist, green-maroon, magnetic	.01	3	550	1730	<2	4.5	3.5	12	4.5	17	8		
2051		10225E	6.0m	" " " " " "	.02	11	575	2520	2	15	10	9.0	3.0	33	20		
2052		10200E	4.2m	" " " " " " minor mag'	.01	1	610	5.80	4	14	9.5	12	2.5	16	8		
2053		10175E	4.4m	" " pink, minor magnetic	.01	<1	465	2.70	<2	3.5	7.5	9.5	5.5	19	12		

741035

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT *METALS EXPLORATION*
 PROJECT *KA 1/84*
 PROSPECT *WELD RIVER*

SAMPLE RECORD AND ANALYTICAL DATA SHEET

LABORATORY *ANALABS*
 SAMPLE TYPE *WACKER*

COLLECTED BY: *N Poltock*
 DATE DISPATCHED:
 DATE RECEIVED: *035*

SAMPLE NUMBER	LOCATION	DESCRIPTION	PPM				PPB						
			Au	Ag	Ni	Cr	Au	Pt	Rh	Ru	Rh	Ir	Os
RP 2054	10300N	10150E 8.6m Talc schist khaki	.02	11	140	1720	8	7.5	4.5	10	4.0	19	12
2055		10125E 4.3m Basic igneous, pale green, ± magnetite	.01	4	3650	4500	4	8.5	3.5	18	6.0	26	14
2056		10100E 1.6m Talc schist, pale green-cream	.01	<1	430	4560	2	36	1.0	12	7.5	21	12
RP 2057	10200N	10000E 4.9m Mudst, yel brn, sandy & pebbles and fine frags Perm?	.01	11	40	206	2	2.5	2.5	9.0	3.0	20	10
2058		10025E 8.7m Mudst, yel brn + fine quartz pebbles	.01	7	30	153	4	4.5	4.5	13	3.5	14	6
2059		10050E 4.0m " " " "	.03	5	15	162	4	3.0	3.0	5.5	2.5	18	10
2060		10075E 1.0m Quartz gravel ± carbonac matrix	.01	1	10	274	<2	1.5	0.5	7.0	1.0	12	6
2061		10100E 6.3m Talc schist khaki-cream, no mag'	.02	<1	700	1870	2	7.5	7.5	6.5	2.0	16	8
2062		10125E 8.8m Talc schist khaki-marone minor mag'	.03	<1	970	2610	<2	4.0	4.0	8.5	3.5	16	8
2063		10150E 7.6m Talc schist khaki no mag'	.01	5	940	2720	6	3.5	3.0	5.0	3.5	19	14
2064		10175E 10.2m " " " - marone, magnetite	.03	6	690	2150	<2	10	5.5	8.0	3.5	24	14
2065		10200E 3.6m Slightly talcose rock, no mag'	.02	3	380	2875	2	12	11	19	4.0	25	18
2066		10225E 3.4m Talc schist, khaki-white Minor magnetite	.05	<1	685	1690	<2	5.0	5.0	9.0	3.0	19	8
2067		10250E 6.4m Talc schist khaki-white, 'no mag'	.02	9	450	1480	<2	3.5	3.0	3.0	2.5	19	14

741036

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLORATION

SAMPLE RECORD AND ANALYTICAL DATA SHEET

COLLECTED BY: N. Poltock

PROJECT EL 11/24
PROSPECT WELD RIVER

LABORATORY ANALABS
SAMPLE TYPE WACKER

DATE DISPATCHED: 03/06
DATE RECEIVED: 03/06

SAMPLE NUMBER	LOCATION		DEPTH	DESCRIPTION	PPM				PPB						
					Au	Pb	Ni	Cr	Au	Pb	Cd	Rh	Ir	Os	
RP 2668	R 10200N	10275E	6.0m	Glnk or basic ign', fine-med grnd, orange brn	.01	<1	300	437	4	4.0	9.0	7.5	3.5	17	10
2669		10300E	8.3m	Talc schist, marone, non mag.	.01	<1	155	2130	4	4.0	11	11	7.5	24	12
2670		10325E	10.5m	Glnk or basic ign', f-med grnd khaki, non mag	.02	<1	440	2050	6	4.0	7.5	12	5.0	21	14
2671		10350E	12.8m	Basic ign', khaki, med grnd, non mag	.01	2	375	2110	<2	4.0	6.5	8.0	5.5	19	14
2672		10375E	12.6m	"? " clayey, minor mag	.02	<1	3150	3320	2	17	12	9.0	3.5	22	16
2673		10400E	13.8m	Mudst orange brn - gray	.02	58	90	3310	6	23	13	11	5.0	28	14
2674		10425E	14.6m	cream - gray	.03	67	20	305	4	17	6.5	3.5	2.5	26	12
2675		10450E	14.4m	Talc schist, cream - orange, magnetic	.02	8	500	4950	4	21	6.5	12	8.5	28	14
2676		10475E	10.0m	Mudst - clay, yellow - brn	.17	450	90	7400	100	12	11	15	9.0	21	12
2677		10500E	12.3m	Talc schist, pink, + mag'	.010	17	425	2850							

741037

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT METALS EXPLN
 PROJECT EL 11/84
 PROSPECT WELD RIVER

SAMPLE RECORD AND ANALYTICAL DATA SHEET
 LABORATORY ANALABS
 SAMPLE TYPE WACKER

COLLECTED BY: N. Poltock
 DATE DISPATCHED: 037
 DATE RECEIVED:

SAMPLE NUMBER	LOCATION		DESCRIPTION	ANALYSES							
				Au	As	Ni	Cr				
2078	10100N	10550E	1.5m Silty-mudst, cream-brn Perm	<.008	9	15	124				
2079		10525E	3m Tilleke? cream-brn	<.008	9	30	131				
2080		10500E	11.2m Talcose-clay, grey-green	<.008	9	2100	2530				
2081		10475E	7m Majic? mottled cream-green, clay	.020	1180	150	8010				
2082		10450E	1.5m < carbonac' sandst	<.008	17	40	884				
2083		10425E	14.2m Talc schist pink mag'	<.008	6	420	2450				
2084		10400E	9.3m < Talcose cream-pink	<.008	9	40	9010				
2085		10375E	14.5m Mudst/tilleke grey-khaki clay	<.008	9	25	559				
2086		10350E	10.7m Clayey mottled brn-cream	<.008	5	165	399				
2087		10325E	11.0m Talc schist, pink + mag'	<.008	5	395	1900				
2088		10300E	10.8m " " - shale + mag'	<.008	5	665	1310				
2089		10275E	8.5m " " + mag'	.010	5	630	1720				
2090		10250E	5.3m Tilleke? g'zoe pebbles	.010	9	170	495				
2091		10225E	1.4m limonitic, some dolerite frags minor mag'	.010	10	440	1020				
2092		10200E	5.5m Talc schist minor mag'	.010	10	625	3160				
2093		10175E	13m " " khaki v' minor mag'	.010	10	505	3910				
2094		10150E	4.2m Sandy-mudst + g'zoe frags/pebbles								741038
2095		10125E	7m Mudst/tilleke cream-brn	.010	10	25	236				
2096		10100E	5.5m Tilleke pale orange/yel, sandy								
2097		10075E	7.4m " - mudst.	.010	12	40	160				

ROGER POLTOCK GEOLOGICAL PTY. LTD.

CLIENT Metals Expln
 PROJECT EL 11/24
 PROSPECT WELD RIVER

SAMPLE RECORD AND ANALYTICAL DATA SHEET
 LABORATORY ANALYSIS
 SAMPLE TYPE WACKER

COLLECTED BY: N. Poltock
 DATE DISPATCHED
 DATE RECEIVED: 8/30

SAMPLE NUMBER	LOCATION	DESCRIPTION	ANALYSES							
			AU	Ag	Ni	Cu				
2098	10100N	10050E 6.8m T. l. l. k.?, yel-orange								
2099		10045E 9.1m Mudst, < talcose, < foliation	0.010	22	160	1480				
2100		10000E 5.0m Mudst brn-pink Perm?								
2101	10000N	10000E 7.9m Mudst yel-brn	0.010	12	25	135				
2102		10025E 1.2m Sls cream-white								
2103		10050E 1.6m Mudst-fine t. l. l. k.	0.020	12	30	88				
2104		10075E 3.6m Mudst								
2105		10100E 7m " khaki, conc. frag.	0.030	9	30	170				
2106		10125E 0.7m @ base t. l. l. k.								
2107		10150E 2.5m " " ?	0.010	11	20	1560				
2108		10175E 3.6m Mudst/t. l. l. k. - grey brn								
2109		10200E 12.2m Mudst orange-pink	0.010	10	70	207				
2110		10225E 4.8m " pink-brn								
2111		10250E 7.5m "	0.020	8	55	110				
2112		10275E 9.0m Mudst/t. l. l. k., g. l. g. frags								
2113		10300E 4.6m " " < lim onitic	0.010	8	35	84				
2114		10325E ? Mudst/t. l. l. k. grey-khaki								
2115		10350E 5.3m " " khaki-pink	0.010	14	40	135				
2116		10375E 1.4m Mudst								
2117		10400E 1.4m "	0.020	9	35	133				

741039

040

APPENDIX 2

Analytical Reports

041

ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

741042

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

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142.2.08.05452

14/06/88

18705

1 OF 3

TUBE No.	SAMPLE No.	Ni	As	Au	AuChk	Cr	Cr			
1	RP 1802	45	2	<0.008	-	170	-			
2	RP 1803	20	1	<0.008	-	10	-			
3	RP 1804	53	1	<0.008	-	-	9.03			
4	RP 1805	25	1	<0.008	-	140	-			
5	RP 1806	175	200	0.033	0.032	230	-			
6	RP 1807	30	18	0.044	0.042	140	-			
7	RP 1808	40	8	0.012	-	200	-			
8	RP 1809	610	6	<0.008	-	-	0.32			
9	RP 1810	120	5	<0.008	-	380	-			
10	RP 1811	100	3	0.014	-	170	-			
11	RP 1812	50	29	0.023	-	30	-			
12	RP 1813	60	1200	<0.008	-	150	-			
13	RP 1814	160	60	<0.008	-	270	-			
14	RP 1815	60	7	<0.008	-	130	-			
15	RP 1816	300	34	0.015	-	-	2.25			
16	RP 1818	225	2	<0.008	-	-	0.26			
17	RP 1820	70	51	<0.008	-	-	0.81			
18	RP 1821	50	2	<0.008	-	140	-			
19	RP 1822	340	<1	<0.008	-	670	-			
20	RP 1823	600	1	0.008	-	-	0.43			
21	RP 1824	60	57	0.013	-	45	-			
22	RP 1825	100	3	<0.008	-	250	-			
23	RP 1826	25	19	0.014	-	75	-			
24	RP 1827	40	<1	<0.008	-	100	-			
25	RP 1828	20	1	<0.008	-	<5	-			

Results in ppm unless otherwise specified

T = element present, but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

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042

ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

741043

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

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14/06/88

18705

2 OF 3

TUBE No.	SAMPLE No.	Ni	As	Au	AuChk	Cr	Cr			
1	RP 1829	65	5	<0.008	-	160	-			
2	RP 1830	50	<1	<0.008	-	120	-			
3	RP 1901	20	230	0.008	-	60	-			
4	RP 1902	50	150	0.048	-	45	-			
5	RP 1912	5	<1	0.009	<0.008	7	-			
6	RP 1914	40	<1	<0.008	-	50	-			
7	RP 1917	35	19	<0.008	-	25	-			
8	RP 1924	40	11	15	-	1850	-			
9	RP 1925	785	3	<0.008	-	1800	-			
10	RP 1926	910	1	0.008	-	-	0.30			
11	RP 1928	810	3	<0.008	-	-	0.26			
12	RP 1929	765	690	0.090	0.080	790	-			
13	RP 1933	35	42	0.059	-	10	-			
14	RP 1934	35	96	0.016	-	70	-			
15	RP 1938	160	7	<0.008	-	190	-			
16	RP 1940	55	16	<0.008	-	170	-			
17	RP 1942	140	200	0.014	-	330	-			
18	RP 1943	100	10	<0.008	-	300	-			
19	RP 1951	495	6	<0.008	-	1200	-			
20	RP 1957	930	<1	<0.008	-	-	0.29			
21	RP 1959	950	17	<0.008	-	-	0.34			
22	RP 1965	80	4	0.010	-	150	-			
23	RP 1966	105	16	0.010	-	170	-			
24	RP 1967	25	1	0.013	-	890	-			
25	RP 1968	15	<1	0.063	-	80	-			

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

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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

741044

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

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TUBE No.	SAMPLE No.	Ni	As	Au	AuChk	Cr	Cr		
1	RP 1969	85	<1	0.009	-	150	-		
2	RP 1970	5	<1	0.008	-	120	-		
3	RP 1971	10	<1	0.353	0.335	60	-		
4	RP 1972	50	21	<0.008	-	75	-		
5	RP 1973	<5	1	0.041	-	18	0.01		
6	RP 1974	10	1	0.069	-	18	0.01		
7	RP 1975	10	<1	0.018	-	280	-		
8	RP 1977	35	49	<0.008	-	500	-		
9	RP 1978	35	11	<0.008	<0.008	100	-		
10	RP 1979	75	33	<0.008	-	150	-		
11	RP 1980	55	4	<0.008	-	110	-		
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23	DETECTION	5	1	0.008	0.008	5	0.01		
24	UNITS	PPM	PPM	PPM	PPM	PPM	%		
25	METHOD	101	114	309	309	401	406		

Results in ppm unless otherwise specified
 T = element present but concentration too low to measure
 X = element concentration is below detection limit
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044

ANALABS

A Division of Macdonald Hamilton & Co. Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

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07/07/88

18706

1 OF 3

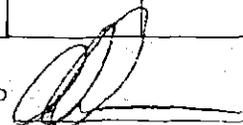
TUBE No.	SAMPLE No.	Cr	Cr	Ni	As	Au	AuGhk			
1	RP 1801	84	-	35	13	0.020	-			
2	RP 1831	63	-	35	4	0.020	-			
3	RP 1832	76	-	35	9	0.050	0.040			
4	RP 1833	28	-	20	6	0.040	-			
5	RP 1834	108	-	40	13	0.030	-			
6	RP 1836	1220	-	270	320	0.030	-			
7	RP 1837	-	1.80	30	8	0.020	-			
8	RP 1838	6920	-	115	27	0.020	-			
9	RP 1839	3920	-	310	1	0.010	-			
10	RP 1840	4060	-	225	18	0.020	-			
11	RP 1841	299	-	25	12	0.010	-			
12	RP 1842	112	-	45	4	0.020	-			
13	RP 1843	131	-	20	1	0.020	-			
14	RP 1844	63	-	30	3	0.010	-			
15	RP 1983	109	-	25	7	0.020	-			
16	RP 1984	130	-	25	4	0.010	-			
17	RP 1985	134	-	20	11	0.030	-			
18	RP 1986	130	-	35	6	0.020	-			
19	RP 1987	3290	-	1250	9	0.030	-			
20	RP 1988	685	-	80	1	0.060	-			
21	RP 1989	204	-	15	<1	0.170	-			
22	RP 1990	216	-	15	<1	0.030	-			
23	RP 1991	23	-	15	<1	0.020	-			
24	RP 1992	216	-	25	<1	0.020	-			
25	RP 1993	153	-	10	<1	0.020	-			

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

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- = element not determined

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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

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		142.2.08.05506				07/07/88	18706	2 OF 3	
TUBE No.	SAMPLE No.	Cr	Cr	Ni	As	Au	AuChk		
1	RP 1994	1910	-	1850	610	0.340	-		
2	RP 1995	88	-	90	16	0.640	-		
3	RP 1996	458	-	15	2	0.020	0.030		
4	RP 1997	382	-	20	2	0.030	-		
5	RP 1998	760	-	780	9	0.030	-		
6	RP 1999	52	-	130	6	0.080	-		
7	RP 2000	1350	-	275	160	0.270	-		
8	RP 2001	171	-	890	75	0.090	-		
9	RP 2002	41	-	620	24	0.020	-		
10	RP 2003	893	-	105	42	0.220	-		
11	RP 2004	1950	-	1650	10	0.030	-		
12	RP 2005	1680	-	60	5	0.050	0.040		
13	RP 2006	824	-	290	12	0.020	-		
14	RP 2007	418	-	200	18	0.020	-		
15	RP 2008	3120	-	370	9	0.030	-		
16	RP 2009	1390	-	280	16	0.020	-		
17	RP 2010	583	-	170	3	0.020	-		
18	RP 2011	264	-	1300	75	0.050	-		
19	RP 2012	419	-	300	6	0.030	-		
20	RP 2013	3420	-	700	4	0.050	-		
21	RP 2014	2900	-	620	3	0.030	-		
22	RP 2015	3450	-	1300	1	0.030	-		
23	RP 2016	2600	-	835	7	0.030	-		
24	RP 2017	2170	-	870	3	0.020	-		
25	RP 2018	3260	-	350	17	0.030	-		

Results in ppm unless otherwise specified
 T = element present; but concentration too low to measure
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 - = element not determined

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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

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CLIENT ORDER No.

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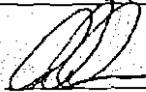
07/07/88

18706

3 OF 3

TUBE No.	SAMPLE No.	Cr	Cr	Ni	As	Au	AuChk			
1	RP 2019	3880	-	1350	4	0.030	-			
2	RP 2020	3160	-	870	5	0.010	0.020			
3	RP 2021	844	-	160	110	0.050	-			
4	RP 2022	2260	-	1200	51	0.030	-			
5	RP 2023	667	-	370	4	0.050	-			
6	RP 2024	2460	-	980	3	0.010	-			
7	RP 2025	1740	-	920	1	0.020	-			
8	RP 2026	5530	-	520	17	0.020	-			
9	RP 2027	3350	-	1350	2	0.030	-			
10	RP 2028	2400	-	3200	<1	0.030	-			
11	RP 2029	3360	-	1900	3	0.020	-			
12	RP 2030	994	-	60	100	0.040	-			
13	RP 2031	1770	-	45	22	0.030	-			
14	RP 2032	430	-	20	1	0.020	-			
15	RP 2033	34	-	10	<1	0.030	-			
16	RP 2034	178	-	10	<1	0.030	-			
17	RP 2035	2980	-	1450	20	0.020	-			
18	RP 2036	171	-	15	19	0.030	-			
19	RP 2037	211	-	15	18	0.010	-			
20	RP 2038	106	-	20	9	0.010	-			
21										
22										
23	DETECTION	5	0.01	5	1	0.008	0.008			
24	UNITS	PPM	%	PPM	PPM	PPM	PPM			
25	METHOD	401	404	101	114	309	309			

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

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A Division of Macdonald Hamilton & Co. Pty Ltd

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

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23/06/88

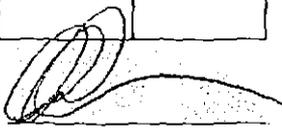
18708

1 OF 2

TUBE No.	SAMPLE No.	Cr	Cr	Ni	As	Al	AlChk			
1	RP 2039	10500	1.05	340	23	0.01	-			
2	RP 2040	3350	-	40	84	0.45	-			
3	RP 2041	957	-	75	170	0.09	-			
4	RP 2042	7850	-	120	1040	0.06	-			
5	RP 2043	1830	-	95	29	0.03	-			
6	RP 2044	8550	-	1400	1100	0.03	-			
7	RP 2045	2580	-	3000	1	0.01	-			
8	RP 2046	2340	-	860	<1	0.02	-			
9	RP 2047	2510	-	1250	1	0.01	-			
10	RP 2048	2480	-	525	<1	0.03	-			
11	RP 2049	2900	-	485	<1	0.02	0.05			
12	RP 2050	1730	-	550	3	0.01	-			
13	RP 2051	2320	-	575	11	0.02	-			
14	RP 2052	3080	-	610	1	0.01	-			
15	RP 2053	2560	-	465	<1	0.01	-			
16	RP 2054	1720	-	1400	11	0.02	0.02			
17	RP 2055	4500	-	3650	4	0.01	-			
18	RP 2056	4560	-	430	1	0.01	-			
19	RP 2057	206	-	40	11	0.01	-			
20	RP 2058	153	-	30	7	0.01	-			
21	RP 2059	162	-	15	5	0.03	-			
22	RP 2060	274	-	10	1	0.01	-			
23	RP 2061	1870	-	700	<1	0.02	-			
24	RP 2062	2610	-	970	<1	0.03	-			
25	RP 2063	2720	-	940	5	0.01	-			

Results in ppm unless otherwise specified
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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

048

ANALYTICAL DATA

SAMPLE PREFIX REPORT NUMBER REPORT DATE CLIENT ORDER No PAGE

142.2.08.05528

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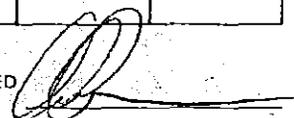
18708

2 OF 2

TUBE No	SAMPLE No.	Cr	Cr	Na	As	Au	AuChk			
1	RF 2064	2150	-	690	6	0.03	-			
2	RF 2065	2875	-	380	3	0.02	-			
3	RF 2066	1690	-	685	<1	0.05	-			
4	RF 2067	1480	-	450	9	0.02	0.01			
5	RF 2068	437	-	300	<1	0.01	-			
6	RF 2069	2130	-	155	<1	0.01	-			
7	RF 2070	2050	-	440	<1	0.02	0.03			
8	RF 2071	2110	-	375	2	0.01	-			
9	RF 2072	3320	-	3150	<1	0.02	-			
10	RF 2073	3310	-	90	58	0.02	-			
11	RF 2074	305	-	20	67	0.03	-			
12	RF 2075	4950	-	500	6	0.02	-			
13	RF 2076	7400	-	90	450	0.17	-			
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	5	0.01	5	1	0.01	0.01			
24	UNITS	PPM	%	PPM	PPM	PPM	PPM			
25	METHOD	401	404	101	114	309	309			

Results in ppm unless otherwise specified
 T = element present, but concentration too low to measure
 X = element concentration is below detection limit
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AUTHORISED OFFICER



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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

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142.2.08.05546

07/07/88

18710

1 OF 2

TUBE No.	SAMPLE No.	Cr	Ni	As	Au	AuChk				
1	2077	2850	425	17	0.010	-				
2	2078	124	15	9	<0.008	<0.008				
3	2079	131	30	9	<0.008	-				
4	2080	2530	2100	9	<0.008	-				
5	2081	8010	150	1180	0.020	-				
6	2082	884	40	17	<0.008	-				
7	2083	2450	420	6	<0.008	-				
8	2084	9010	40	9	<0.008	-				
9	2085	559	25	9	<0.008	-				
10	2086	399	165	5	<0.008	-				
11	2087	1900	395	5	<0.008	-				
12	2088	1310	665	5	<0.008	-				
13	2089	1720	630	5	0.010	-				
14	2090	495	170	9	0.010	-				
15	2091	1020	440	10	0.010	-				
16	2092	3160	625	10	0.010	0.010				
17	2093	3910	505	10	0.010	-				
18	2095	236	25	10	0.010	-				
19	2097	160	40	12	0.010	-				
20	2099	1480	160	22	0.010	-				
21	2101	135	25	12	0.010	-				
22	2103	88	30	12	0.020	-				
23	2105	150	30	9	0.030	-				
24	2107	1560	20	11	0.010	-				
25	2109	207	70	10	1.970	0.010				

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

AUTHORISED
OFFICER



741051

050

ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

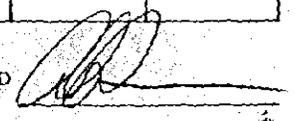
CLIENT ORDER No

PAG

		142.2.08.05546				07/07/88	18710	2 OF	
TUBE No.	SAMPLE No.	Cr	Ni	As	Au	AuChk			
1	2111	110	55	8	0.020	-			
2	2113	84	35	8	0.010	-			
3	2115	135	40	14	0.010	-			
4	2117	133	35	9	0.020	-			
5	2119	306	60	10	0.010	-			
6	2121	95	40	7	0.030	-			
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23	DETECTION	5	5	1	0.008	0.008			
24	UNITS	PPM	PPM	PPM	PPM	PPM			
25	METHOD	401	101	114	309	309			

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

AUTHORISED OFFICER





051

REFERENCE NUMBER 40275

Order No RDG 1879/18711

Page 1

SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb
---------------	--------	--------	--------	--------	--------	--------	--------

RP 1804	< 2	5.5	12	5.0	2.5	16	2
RP 1806	18	1.5	1.0	3.5	2.5	14	6
RP 1807	24	2.5	2.5	5.5	2.0	20	8
RP 1808	6	1.5	4.0	5.5	2.5	19	8
RP 1809	< 2	4.5	4.0	13	4.5	18	6
RP 1810	< 2	4.0	4.0	3.5	3.5	19	8
RP 1816	14	18	17	37	9.5	28	12
RP 1818	< 2	7.0	1.5	5.0	2.5	16	8
RP 1820	< 2	2.0	3.0	5.0	3.5	20	6
RP 1821	< 2	5.0	4.0	3.5	3.0	20	10

RP 1821	DUP	6	7.0	4.0	6.5	2.0	19	8
RP 1822		< 2	1.5	4.0	4.5	4.0	13	8
RP 1823		< 2	1.5	2.5	4.0	5.0	15	6
RP 1902		28	2.5	2.5	5.5	2.0	17	8
RP 1925		< 2	6.5	5.0	11	4.0	24	20
RP 1926		6	6.0	8.5	12	5.0	17	12
RP 1928		< 2	11	6.0	8.0	3.5	13	6
RP 1929		40	7.5	5.0	11	4.5	20	10
RP 1933		20	2.0	2.5	5.0	1.5	14	8
RP 1942		6	3.5	2.0	7.0	2.5	24	12

RP 1943		< 2	11	2.5	7.0	4.0	16	4
RP 1943	DUP	< 2	5.0	4.5	9.5	3.5	21	10
RP 1951		12	11	18	25	9.0	54	34
RP 1957		< 2	9.5	11	5.5	2.5	21	6
RP 1959		6	6.5	10	16	5.5	21	10
RP 1966		4	15	12	11	3.5	19	8
RP 1967		4	1.5	6.0	8.0	3.0	20	8
RP 1968		24	2.0	1.0	8.0	2.5	20	10
RP 1971		2	2.5	3.5	2.5	2.5	20	8
RP 1974		6	2.5	3.5	5.0	3.0	18	10

RP 1977		< 2	4.0	3.0	8.0	4.0	17	8
RP 2039		10	28	19	23	5.5	30	14
RP 2039	DUP	4	24	20	20	6.0	30	20
RP 2040		280	12	11	7.5	3.5	18	14
RP 2041		40	9.0	8.0	7.5	3.5	21	12
RP 2042		8	25	14	14	6.0	21	16
RP 2043		4	7.0	7.0	15	4.0	18	16
RP 2044		6	17	12	21	9.5	29	14
RP 2045		2	10	8.0	9.5	5.5	21	12
RP 2046		4	14	12	5.5	5.0	20	12

052



ANALYTICAL SERVICES (W.A.) PTY. LTD.

REFERENCE NUMBER 40275

Order No RDG 1879/18711

Page 2

SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb
---------------	--------	--------	--------	--------	--------	--------	--------

RP 2047	6	8.5	7.0	4.5	4.0	17	12
RP 2048	< 2	11	10	8.5	4.0	19	14
RP 2049	< 2	4.5	9.0	10	3.5	23	12
RP 2049 DUP	4	6.0	9.5	12	4.5	25	14
RP 2050	< 2	4.5	3.5	12	4.5	17	8
RP 2051	2	15	10	9.0	3.0	33	20
RP 2052	4	14	9.5	12	2.5	16	8
RP 2053	< 2	3.5	7.5	9.5	5.5	19	12
RP 2054	8	7.5	4.5	10	4.0	19	12
RP 2055	4	8.5	3.5	18	6.0	26	14

RP 2056	2	36	1.0	12	7.5	21	12
RP 2057	2	2.5	2.5	9.0	3.0	20	10
RP 2058	4	4.5	4.5	13	3.5	14	6
RP 2059	4	3.0	3.0	5.5	2.5	18	10
RP 2059 DUP	4	2.0	2.0	10	3.0	17	6
RP 2060	< 2	1.5	0.5	7.0	1.0	12	6
RP 2061	2	7.5	7.5	6.5	2.0	16	8
RP 2062	< 2	4.0	4.0	8.5	3.5	16	8
RP 2063	6	3.5	3.0	5.0	3.5	19	14
RP 2064	< 2	10	5.5	8.0	3.5	24	14

RP 2065	2	12	11	19	4.0	25	18
RP 2066	< 2	5.0	5.0	9.0	3.0	19	8
RP 2067	< 2	3.5	3.0	3.0	2.5	19	14
RP 2068	4	4.0	9.0	7.5	3.5	17	10
RP 2069	4	4.0	11	11	7.5	24	12
RP 2069 DUP	4	3.5	9.0	8.5	5.0	21	10
RP 2070	6	4.0	7.5	12	5.0	21	14
RP 2071	< 2	4.0	6.5	8.0	5.5	19	14
RP 2072	2	17	12	9.0	3.5	22	16
RP 2073	6	23	13	11	5.0	28	14

RP 2074	4	17	6.5	3.5	2.5	26	12
RP 2075	4	21	6.5	12	8.5	28	14
RP 2076	100	12	11	15	9.0	21	12

REFERENCE NUMBER 40275

Order No RDG 1879/18711

PAGE 3

Sample Preparation

No sample preparation was required on these samples.

Sample Analysis

Au Pt Pd Ru Rh Ir Os

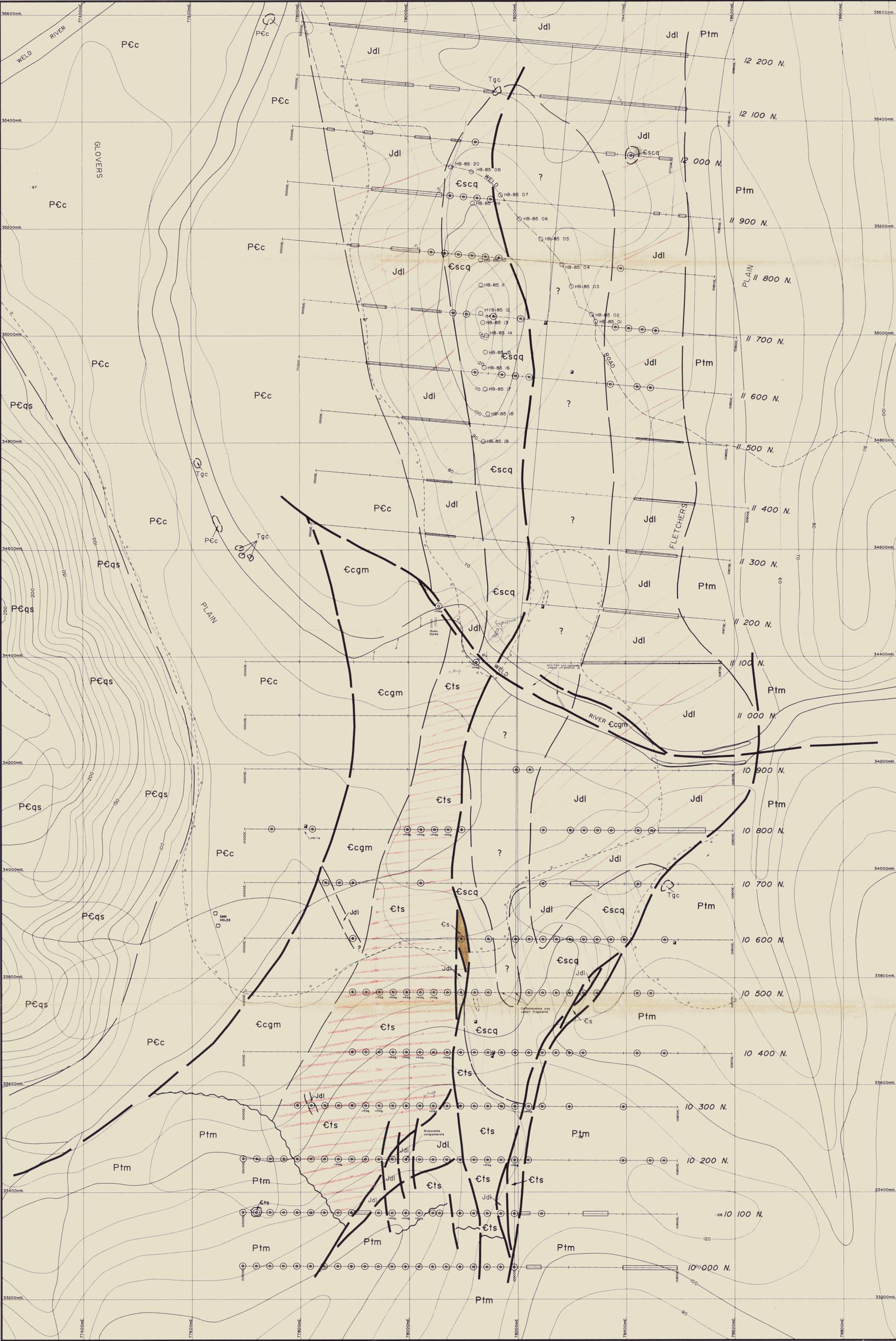
have been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry. Recovery of Gold is not quantitative at levels below 500 ppb.

Sample Storage

Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of \$1.00 per day per Pallet required is levied.

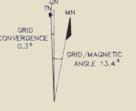
7841



LEGEND

- RECENT
 - Aluvium
 - TERTIARY
 - Tgc Greyblly conglomerate
 - JURASSIC
 - Jdl Dolerite
 - PERMIAN
 - Ptm Tillite and mudstone
 - CAMBRIAN
 - Escq Silicified unit - chert/quartzite
 - Esc Talc schists + magnetite - ultramafics/basic volcanics
 - Ets Serpentinite
 - Ecgm Argillaceous conglomerate, greywacke and mudstone + siliceous
 - ? Lithology unknown - deep clays (Carbonate or altered ultramafics)
 - PRE CAMBRIAN - CAMBRIAN
 - Pcc Carbonate
 - Pcqs Quartzite and siltstone
- INTERPRETED GEOLOGICAL BOUNDARIES
- Fault
 - Bedding
 - Foliation
 - Py Pyrite
 - Outcrop
 - Rigger drill data
 - Shaft / pit
 - Adit
 - Alluvial workings / trench
- HB-85 01 Percussion hole, Pioneer Silicon Industries Pty. Ltd.

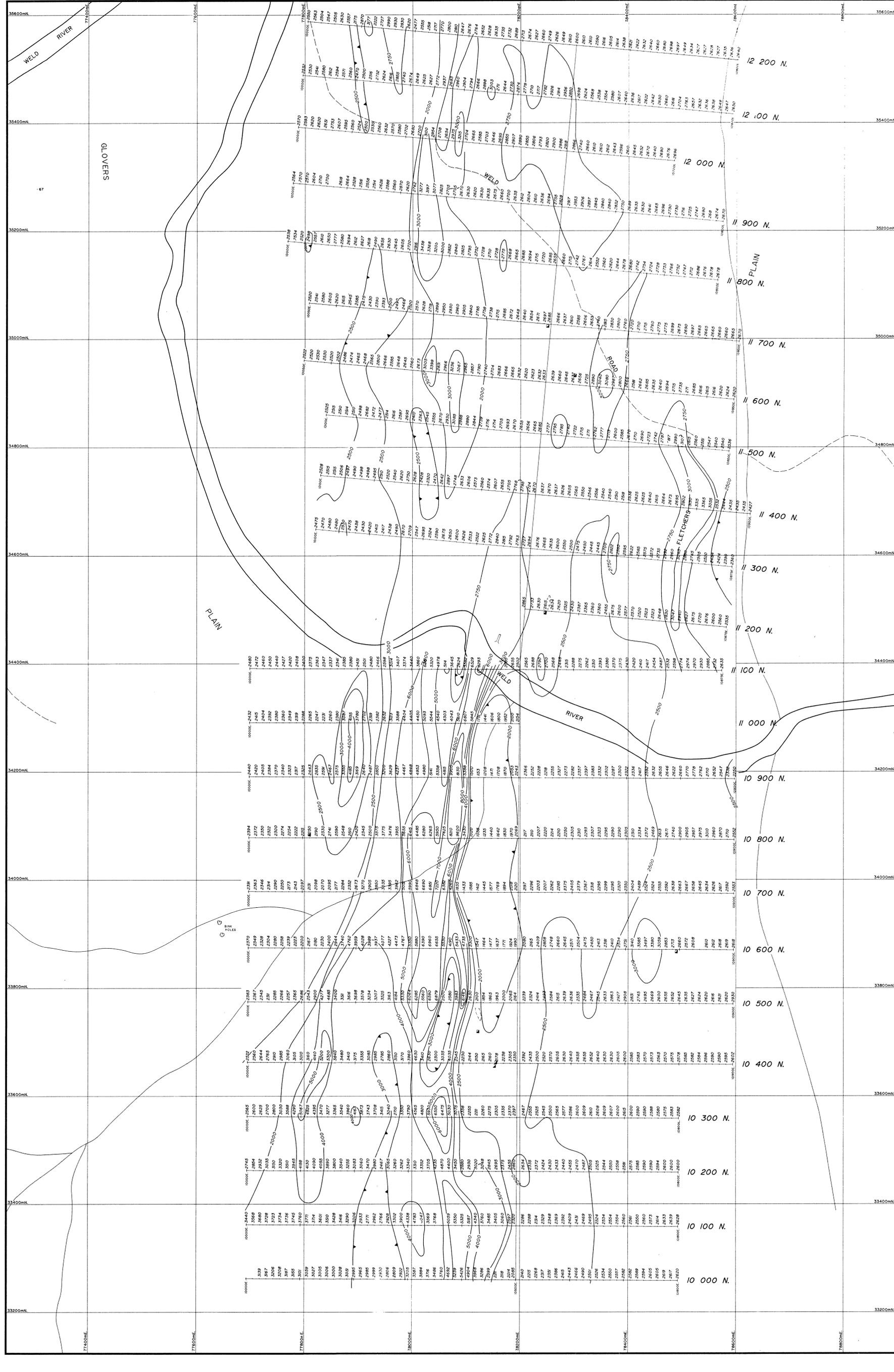
5 cm



741056
88-2855 7841

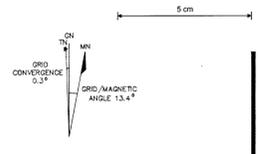
METALS EXPLORATION PTY. LTD.	
WELD RIVER - E.L. 11/84	DRAWN BY: R.P. DRAFTSMAN: T.G.D.S.
FACTUAL GEOLOGY AND INTERPRETATION	DATE: Aug '88 REVISIONS:
SCALE 1:2500	AMG: SA55 8 8317 Dwg No: 02 WRI 2 08
PLAN 1	

7842



- CONTOUR INTERVALS
- > 68,000 gammes
 - 67,000 - 68,000
 - 66,000 - 67,000
 - 65,000 - 66,000
 - 64,000 - 65,000
 - 63,000 - 64,000
 - 62,750 - 63,000
 - 62,500 - 62,750
 - < 62,500

88-2855



NOTE: Add 60000 to all results.

741055 7842

METALS EXPLORATION PTY. LTD.

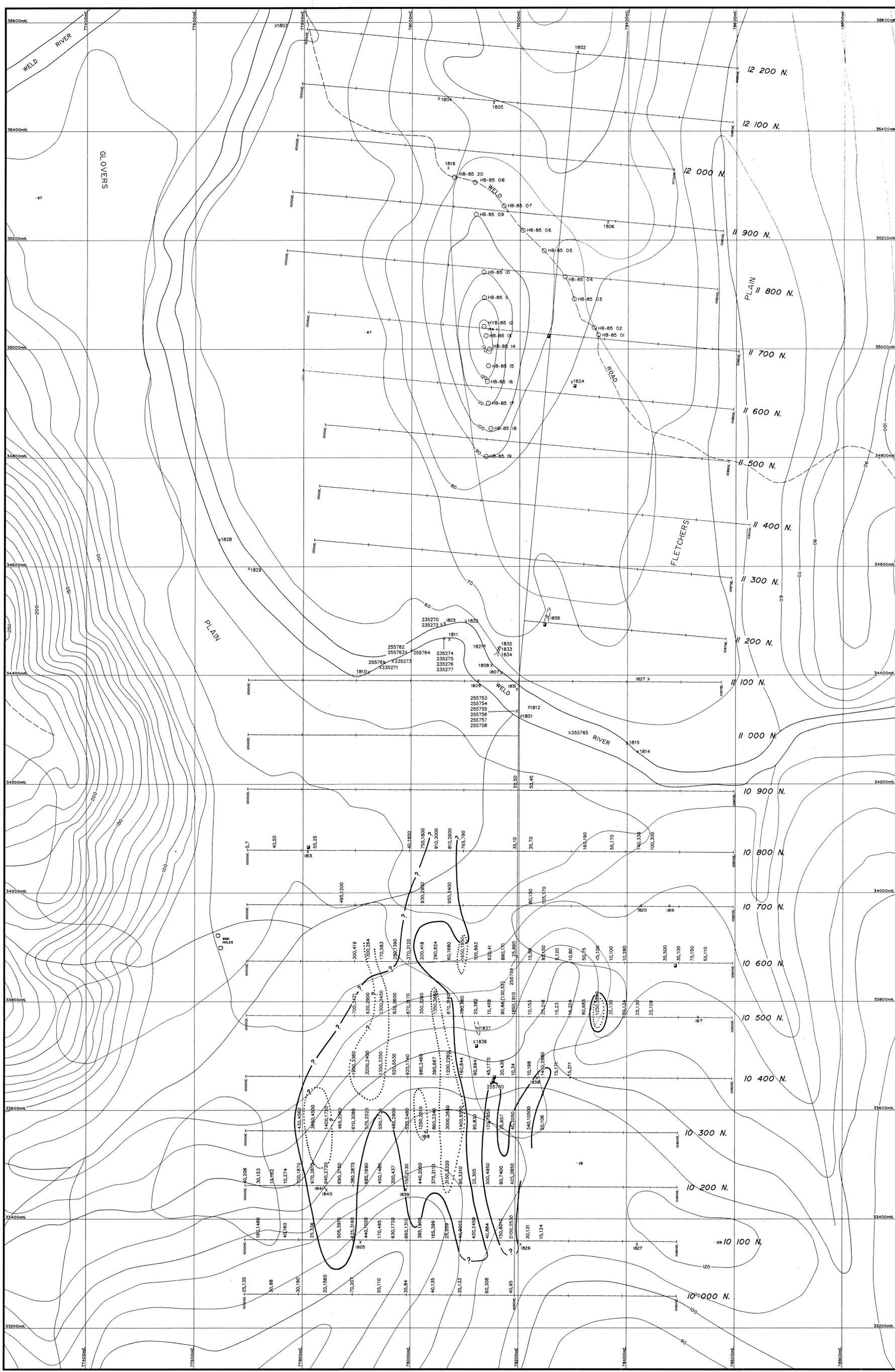
WELD RIVER - E.L. 11/84

**GROUND MAGNETICS
RESULTS & CONTOURS**

SCALE 1:2500

DRAWN BY: R.P.	PLAN 2
DRAFTSMAN: T.G.D.S.	
DATE: Aug 88	
REVISIONS:	
AMG SK55 8 B312	
Dir No: 02-WH-4-02	

7844



ROCK CHIP GEOCHEMISTRY

SAMP. NO.	ppm	
	Ni	Cr
1801	35	84
1802	45	170
1803	20	10
1804	55	90000
1805	25	140
1806	195	230
1807	30	140
1808	40	200
1809	610	3200
1810	120	380
1811	100	170
1812	50	30
1813	60	150
1814	160	270
1815	60	130
1816	300	22500
1818	225	2600
1820	70	8100
1821	50	140
1822	340	670
1823	600	4300
1824	60	45
1825	100	250
1826	25	75
1827	40	100
1828	20	45
1829	65	160
1830	50	120
1831	35	63
1832	35	76
1833	20	28
1834	40	108
1836	270	1220
1837	30	18000
1838	115	6920
1839	310	3900
1840	225	4060
1841	25	299
1842	45	112
1843	20	131
1844	30	63
235270	70	28
235271	70	42
235272	34	8
235273	65	38
235274	28	16
235275	80	28
235276	990	710
235277	125	690
255753	18	
255754	6	
255755	14	
255756	10	
255757	10	
255758	20	
255759	18	
255760	12	
255761	610	
255762	95	
255763	340	
255764	85	
255765	170	

- LEGEND
- Shaft / pit
 - ▬ Adit
 - ┌─┐ Alluvial workings / trench
 - X1812 Rock
 - ⊙ Wacker Percussion
 - HB-85 01 Percussion hole, Pioneer Silicon Industries Pty. Ltd.
 - 1835 Panned concentrate
 - Ni contour >1000 ppm
 - Cr contour >2000 ppm

88-2855

7844

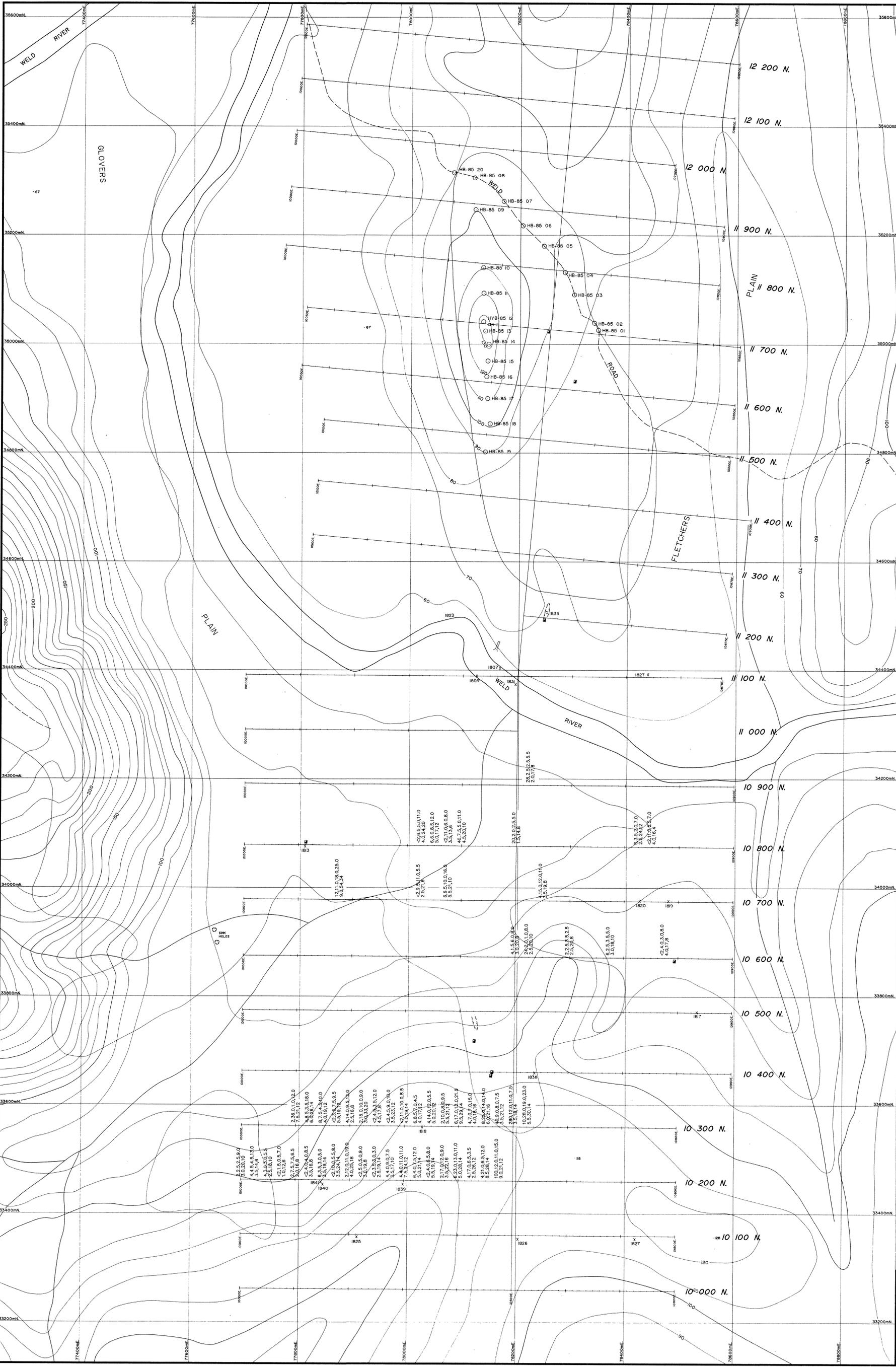
741057
METALS EXPLORATION PTY. LTD.

WELD RIVER - E.L. 11/84
ROCK CHIP & WACKER
GEOCHEMISTRY RESULTS
Ni and Cr

SCALE 1 : 2500

DRAWN BY : R.P.
DRAFTSMAN : T.G.D.S.
DATE : Aug 88
REVISIONS :
AMG SK55.8.8312
Dwg No 02/WR/1102
PLAN 4

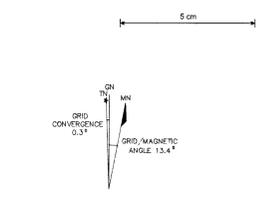
7845



ROCK CHIP GEOCHEMISTRY

SAMP. NO.	AuF	P1	Pd	Ru	Rh	Ir	Os
1801							
1802							
1803							
1804							
1805							
1806	2	2	5.5	12.0	5.0	2.5	16
1807	6	18	1.5	1.0	3.5	2.5	14
1808	6	24	2.5	2.5	5.5	2.0	20
1809	6	6	1.5	4.0	5.5	2.5	19
1810	6	6	4.5	4.0	13.0	4.5	18
1811	6	6	4.0	4.0	3.5	3.5	19
1812							
1813							
1814							
1815							
1816	12	14	18.0	17.0	37.0	9.5	28
1818	8	8	7.0	1.5	5.0	2.5	16
1820	6	6	2.0	3.0	5.0	3.5	20
1821	10	10	3.0	4.0	3.5	3.0	20
1822	8	8	1.5	4.0	4.5	4.0	13
1823	6	6	1.5	2.5	4.0	5.0	15
1824							
1825							
1826							
1827							
1828							
1829							
1830							
1831							
1832							
1833							
1834							
1836							
1837							
1838							
1839							
1840							
1841							
1842							
1843							
1844							
235270							
235271							
235272							
235273							
235274							
235275							
235276							
235277							
255753							
255754	200	0	1.5	6.0	1.0	12	2
255755	30	1.0	2.0	4.0	1.0	1.5	1.5
255756	30	1.0	1.5	3.0	1.0	2.5	2.0
255757	40	0.5	1.5	3.0	1.0	1.0	1.0
255758	40	0.5	2.5	2.5	1.0	2.0	2.0
255759	17	0.5	1.0	3.0	1.0	1.0	1.0
255760	28	0.5	1.0	3.0	1.0	0.5	0.5
255761	3	0.7	5.0	5.5	1.0	1.0	1.0
255762	3	1.5	5.0	7.0	1.0	1.0	1.0
255763	8	12.0	8.0	5.5	1.5	1.0	1.0
255764	12	4.5	6.0	4.0	1.0	0.5	0.5
255765	15	6.5	1.5	4.5	1.0	1.5	1.5

- LEGEND
- Shaft / pit
 - ∩ Adit
 - ∩ Alluvial workings / trench
 - X1812 Rock
 - AuF, Pd, Ru, Rh, Ir, Os Wacker Percussion
 - HB-85 01 Percussion hole, Pioneer Silicon Industries Pty. Ltd.
 - 1835 Panned concentrate



7845

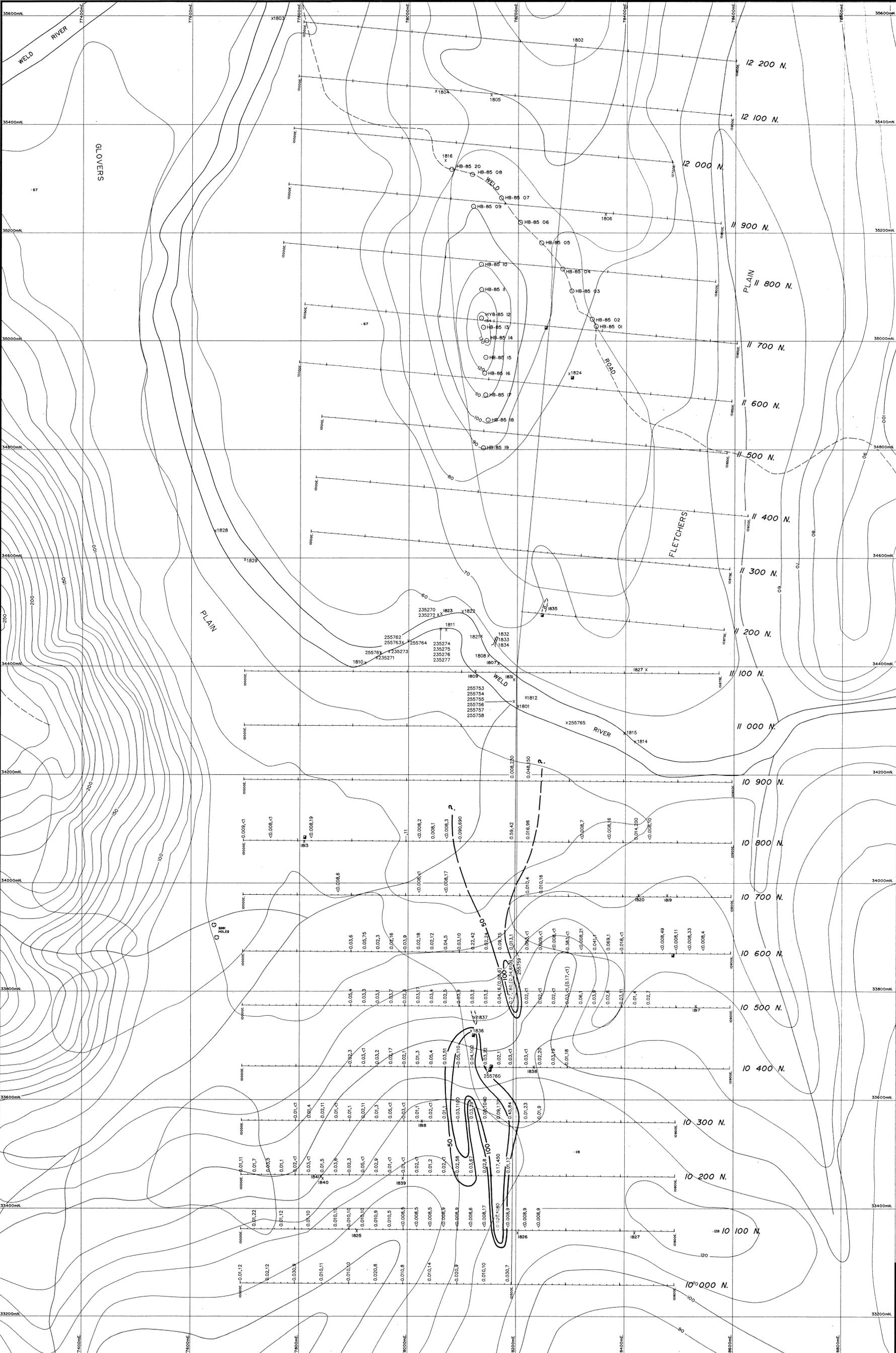
88-2855

711060

METALS EXPLORATION PTY. LTD.

WELD RIVER - E.L. 11/84	DRAWN BY: R.P.
ROCK CHIP & WACKER	DRAFTSMAN: T.G.O.S.
GEOCHEMISTRY RESULTS	DATE: Aug 88
Pt, Pd, Ru, Rh, Ir, Os, & AuF	REVISIONS:
SCALE 1:2500	AMG SK55-R 8312
	DRG No: 02/WH/130
	PLAN 5

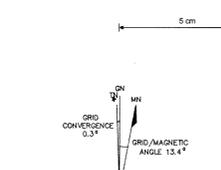
7846



ROCK CHIP GEOCHEMISTRY

SAMPLE NO.	ppm		
	Au	As	Ag
1801	<0.008	13	
1802	0.02	2	
1803	<0.008	1	
1804	<0.008	1	
1805	<0.008	1	
1806	0.033	200	
1807	0.044	16	
1808	0.012	8	
1809	<0.008	6	
1810	<0.008	5	
1811	0.014	3	
1812	0.023	29	
1813	<0.008	1200	
1814	<0.008	60	
1815	<0.008	7	
1816	0.015	34	
1818	<0.008	2	
1820	<0.008	51	
1821	<0.008	2	
1822	<0.008	<1	
1823	0.008	1	
1824	0.013	57	
1825	<0.008	3	
1826	0.014	19	
1827	<0.008	<1	
1828	<0.008	1	
1829	<0.008	5	
1830	<0.008	<1	
1831	0.02	4	
1832	0.05	9	
1833	0.04	6	
1834	0.03	13	
1836	0.03	320	
1837	0.02	8	
1838	0.02	27	
1839	0.01	1	
1840	0.02	18	
1841	0.01	2	
1842	0.02	4	
1843	0.02	1	
1844	0.01	5	
235270	0.32	12	0.7
235271	0.29	10	0.6
235272	0.36	14	0.7
235273	0.03	<2	1.4
235274	0.08	3	0.8
235275	0.01	1	1.4
235276	0.09	26	0.6
235277	0.02	30	1.1
255753	0.08		
255754	>0.01		
255755	>0.01		
255756	>0.01		
255757	>0.01		
255758	>0.01		
255759	>0.01		
255760	>0.01		
255761	>0.01		
255762	>0.01		
255763	>0.01		
255764	>0.01		
255765	>0.01		

- LEGEND**
- Shaft / pit
 - Adit
 - Alluvial workings / trench
 - X1812 Rock
 - Au As Wacker Percussion
 - HB-85 01 Percussion hole, Pioneer Silicon Industries Pty. Ltd.
 - 1835 Panned concentrate
 - As contours



741059
88-2855 7846

METALS EXPLORATION PTY. LTD.

WELD RIVER - E.L. 11/84

ROCK CHIP & WACKER
GEOCHEMISTRY RESULTS
Au, As, & Ag

SCALE 1 : 2500

DRAWN BY :	R.P.
DRAFTSMAN :	T.G.D.S.
DATE :	Aug '88
REVISIONS :	
AMC SK55-R 8312	
Eng No. 02/WJ/104	
PLAN 6	