Open File Envelope No. 6292

EL 1102

COPPERLINKA

PARTIAL SURRENDER REPORT FOR THE PERIOD 24/1/83 TO 23/1/85

Submitted by
Utah Development Co. Ltd
1985

Enquiries: Customer Services
Ground Floor
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000
Facsimile: (08) 8204 1880

PRIMARY INDUSTRIES AND RESOURCES SA

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TENEMENT HOLDER: Utah Development Company.

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[CR 4760]

EXPLORATION LICENCE 1102

COPPERLINKA, SOUTH AUSTRALIA

PARTIAL SURRENDER REPORT

AUGUST 1985

by: S. T. MANN

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Env. 6292.

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PLEASE NOTE:

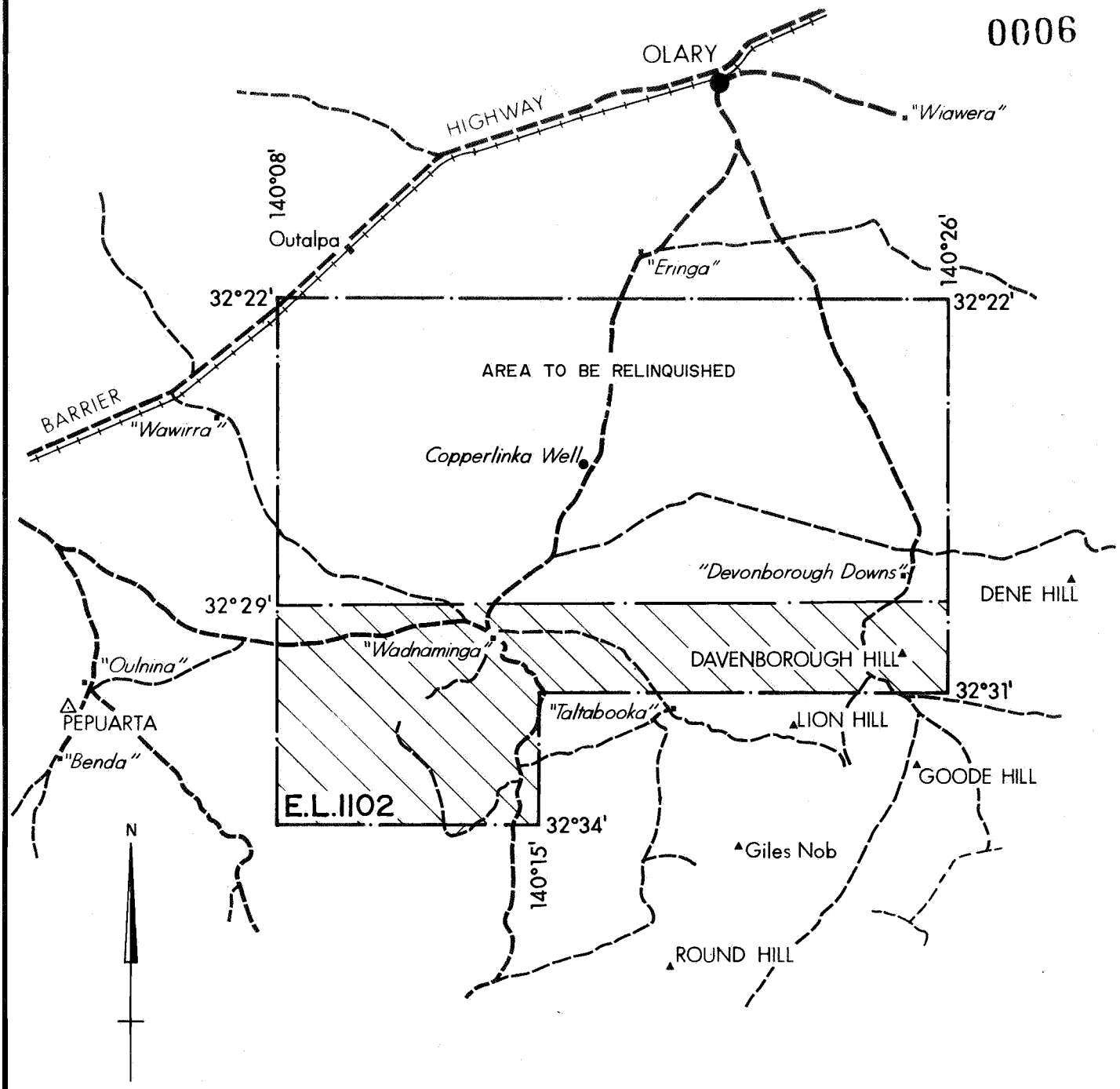
To interpret geological logs in this Envelope please see either:

1) Geolog Rules Pages 82-117 of SADME Envelope No. 2160

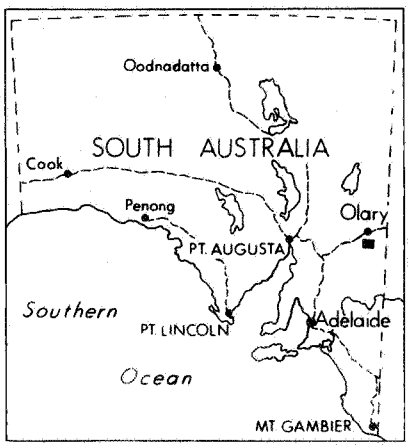
or

2) The "Geolog System", appendix in SADME Report Book RB 81/89.

0006



LOCATION MAP

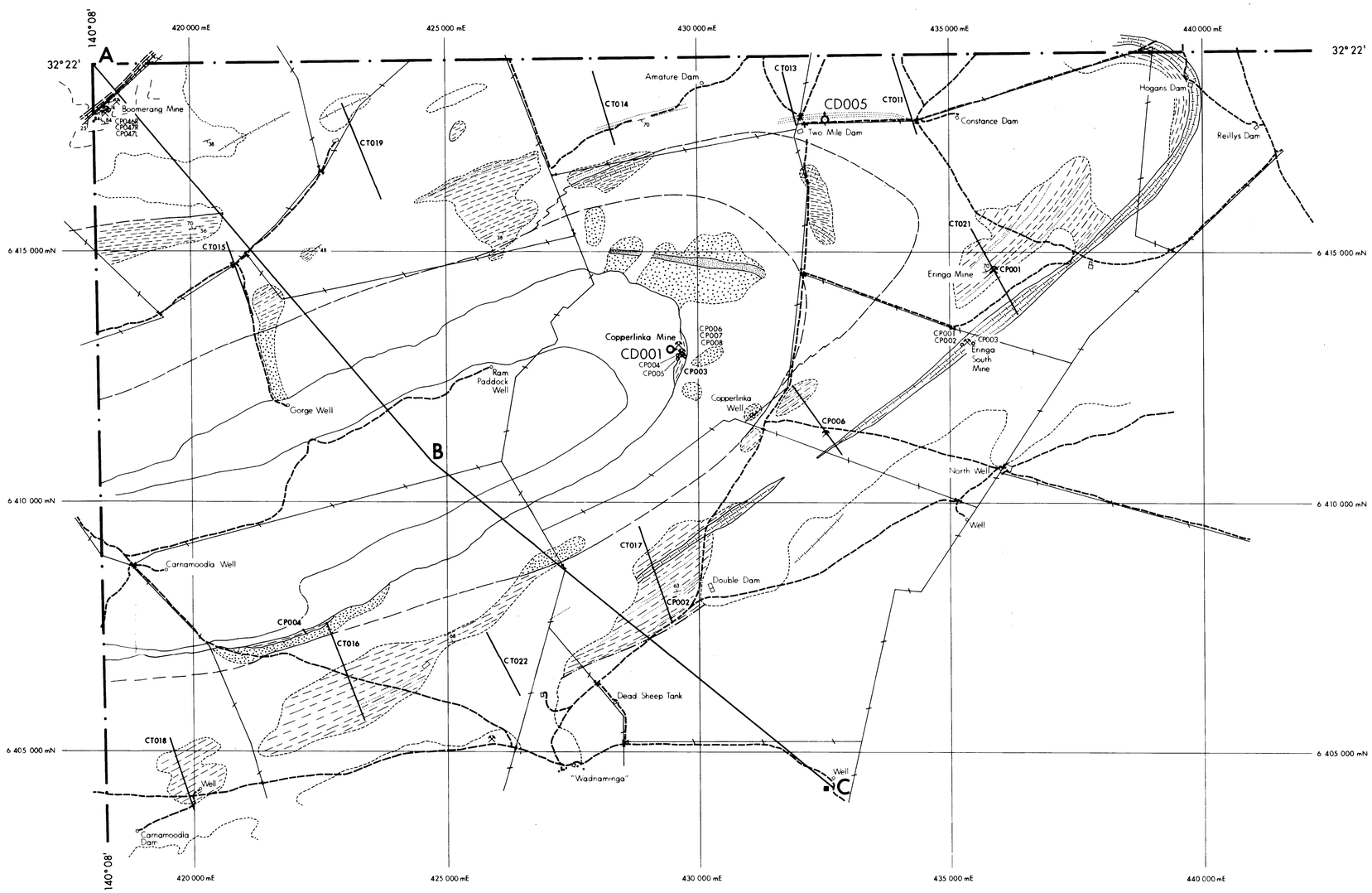


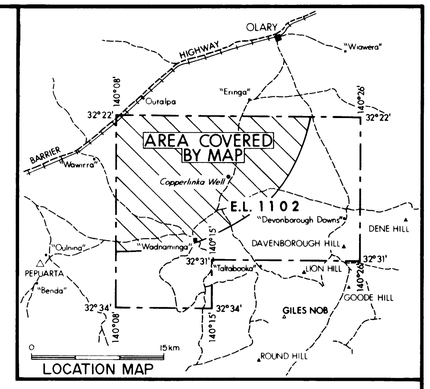
Scale 1:250,000

0 5 10 15 20 km

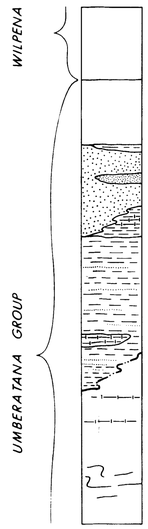
Fig. 1

Centre	THE BROKEN HILL PROPRIETARY CO. LTD.	Project Nº
ADELAIDE	E.L.1102 COPPERLINKA, S.A.	6-A76-63
Date	AREA TO BE RELINQUISHED	Drawing Nº
24 - 9 - 85		A4-434





GEOLOGICAL REFERENCE



ULUPA SILTSTONE : Dark greenish grey , finely laminated , fissile , fine siltstone

GRAMPUS QUARTZITE : Pale pink , medium grained , mature , well rounded siliceous quartzite

PEPUARTA TILLITE : Ranges from finely laminated (varved) siltstone with sparcely distributed pebble sized clasts, to a matrix supported , clast rich , boulder conglomerated Clast most often quartzite but also can be granite and schist Thick medium to coarse grained sandstone beds north of Copperlinka Mine Siltstone facies occasionally outcrop , especially near top

WAUKARINGA SILTSTONE : Very spasmodic outcrops of finely laminated light pink to light brown , calcareous siltstone and limestone

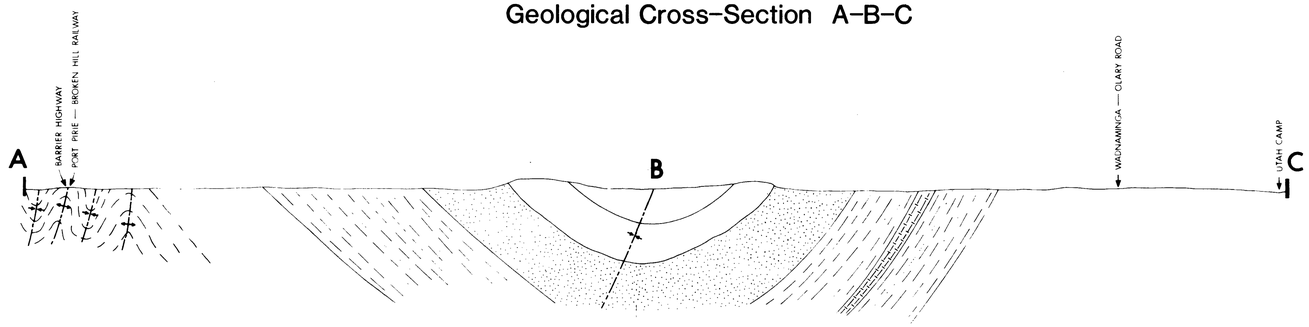
TARCOWIE SILTSTONE : Fine to medium grained , immature , silty , micaceous , possibly graded , festoon cross-stratified thin sandstone beds These beds interbedded with mixed sequence of interlaminated very fine grained , lenticularly bedded micaceous sandstone and wavy laminated dark grey siltstone Becomes very calcareous and a pale brown colour towards the north-west

Thick limestone marker horizon towards the east Dark grey , impure , microcrystalline limestone

GRADATIONAL and possibly REGRESSIONAL contact between Tarcowie Siltstone and Tapley Hill Formation

TAPLEY HILL FORMATION : Dark grey , finely laminated , carbonaceous , micaceous , very fine grained sandstone to siltstone Occasional thin beds of dark grey limestone Well developed schistosity , especially towards the north-west

Geological Cross-Section A–B–C



LEGEND

- Observed
- gradational
- inferred
- Dip and strike of bedding (43)
- Dip and strike of schistosity (84)
- Trend lines
- Working
- Outcrop boundaries
- Diamond drill hole (O*)
- Building
- Dam
- Well

Scale 1 : 50,000

0 1 2 3 4 5 km

Fig. 2

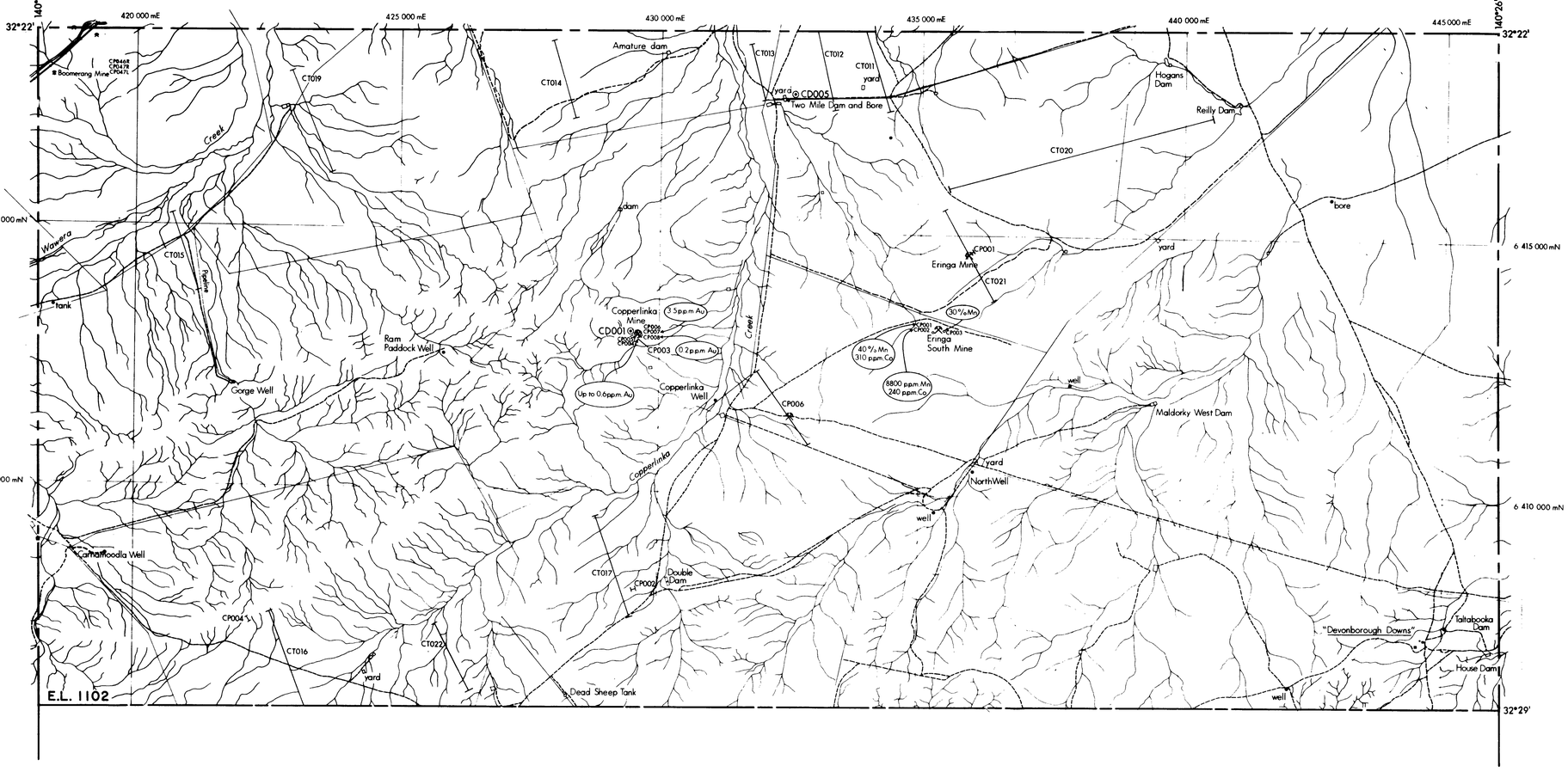
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

E.L.1102 COPPERLINKA, S.A.

INTERPRETATIVE GEOLOGY
UMBERATANA GROUP

Revisions:	Prepared : T. Pointon	Date:	Centre: ADELAIDE
	Drawn : S J Jedrzejczak	Project No: 6 - A76 - 64	Drawing No: A1- 810
	Checked:		

6292-1



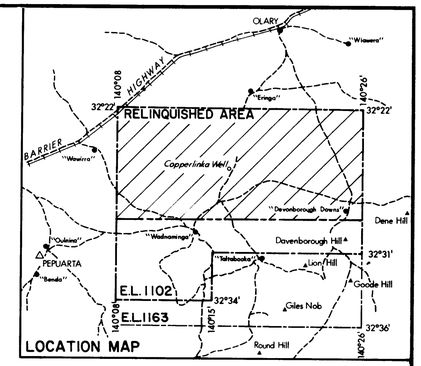


TABLE OF LOGISTICS

DRILLING	
No. of core holes completed.	2
No. of metres drilled.	338·7
No. of metres of precollar.	6·45
No. of metres of HQWL.	332·25
No. of drill orientation surveys.	4
No. of eastman camera hole surveys.	7
No. of drilling grids pegged.	4
Length of drilling grids pegged. (m)	565
No. of drilling traverses pegged.	13
Length of drilling traverses pegged. (m)	24600
No. of RAB holes drilled.	3217
No. of metres of RAB drilling.	7644·5
No. of Gemco auger holes.	218
No. of metres of Gemco auger drilling.	752
MAPPING	
Total area mapped at 1:25000 (km sq).	300
GEOCHEMISTRY	
No. of core samples collected.	334
No. of core samples assayed.	178
No. of RAB samples collected.	3274
No. of Gemco auger samples collected.	206
No. of rock chip samples collected (excluding samples from traverses)	7
PETROLOGY	
No. of samples for thin section descriptions.	12

LEGEND

△	Hill	▭	Dam
———	Fence	⟋	track
■	Building, hut, ruin	∘	Sample site
•	Well	⊢——⊣	Sampling traverse
⚒	Mine, digging	◯	Assay results from sample sites
□	Yard	⟋	Creek
		⊙	Diamond Drillhole

TRUE NORTH

1:50000
0 5 1 2 3 4 5km

Fig. 3

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

E.L. 1102 COPPERLINKA S.A.

PROGRESS SUMMARY MAP OF RELINQUISHED AREA.

Drawn: S.T.Mann., D.M.Jarvis	Date: 8-10-85	Centre: Adelaide
Traced: J.A.Mitris	Project No: 6-A76-65	Drawing No: A1-811
Checked:		

Revisions:

6292-2

EXPLORATION LICENCE 1102

COPPERLINKA, SOUTH AUSTRALIA

PARTIAL SURRENDER REPORT

AUGUST 1985

0007

1. SUMMARY

Utah Development Company was granted Exploration Licence 1102 - Copperlinka on 24th January, 1983. During 1984 this Company was taken over by BHP Minerals Limited.

This report contains mineral exploration data pertaining to the surrendered area of EL 1102 - Copperlinka, i.e. that part of the Exploration Licence to the north of latitude $32^{o}29'$ (Figure 1).

This partial surrender report discusses geological mapping, geochemistry, petrology, gemco auger drilling and rotary air blast drilling, as well as diamond drilling of various Umberatana Group stratigraphic sequences. The report contains plans identifying the location of diamond drill holes, gemco auger and RAB drilling traverses and petrological and geochemical sample sites. All geochemical assay results for those samples collected within the area to be relinquished and the structure logs and geologs for diamond drillholes CD001 and CD005 are appended to this report. Petrological reports are also included.

The exploration programme within the Copperlinka Licence revolved around the search for a stratabound gold deposit of the same magnitude and with the same mode of formation as other large recognised gold deposits (e.g. Telfer, Western Australia).

Based on the results of the work completed to date, it is concluded that the area of Exploration Licence 1102 to be surrendered (Figure 1) is unprospective for stratabound gold mineralization.

2. INTRODUCTION

Exploration Licence 1102 - Copperlinka is located some 20 kilometres south of Olary in the northeast of South Australia (Figure 1).

Utah Development Company, who have subsequently been taken over by BHP Minerals Limited, was granted Exploration Licence 1102 - Copperlinka, on 24th January, 1983. The original licence area was 530 square kilometres. It has now been decided to surrender part of that area; that being the area to the north of latitude $32^{o}29'$.

This report has been compiled as a partial surrender report, and discusses the various geological mapping, sampling and drilling programmes undertaken in the surrendered area.

This licence area was taken up as part of an ongoing Telfer-style stratabound gold search in South Australia. A number of the characteristics indicative of this type of model were exhibited in the Copperlinka area. The stratigraphic horizon believed to exhibit the most pertinent characteristics for this type of deposit is the contact zone between the Tapley Hill Formation and the overlying Tarcowie Siltstone. Within EL 1102 this contact zone invariably contains many of these positive metallotects.

3. TITLE

Utah Development Company was first granted Exploration Licence 1102 - Copperlinka on 24th January, 1983. Initially the licence was granted for a one year period.

As a result of two subsequent applications for 12 month Extensions of Term, the licence is now entering its third year of tenure.

A recent appraisal of the work undertaken in the licence area has led to the decision to relinquish the major portion of the licence, corresponding in a reduction of area from the original 530 sq. km. to 165 sq. km. Figure 1 illustrates the portion of the original licence now being relinquished.

4. GEOLOGICAL MAPPING

A factual geological map of the northern and central section of the licence area at a scale of 1:25,000 (Figure 2) and covering almost 300 square kilometres was completed prior to the Gemco auger and RAB drilling programmes to define the extent of the target zone (Tarcowie Siltstone - Tapley Hill Formation contact). The area mapped is underlain by Umberatana and Wilpena Group sediments.

To the south, southeast and northwest of the mapped area, Tapley Hill Formation forms poor outcrop and is often only recognised by the more persistent and discrete dolomitic beds that occur throughout the formation.The Boomerang gold mine, situated in the northwest corner of of the mapped area, lies within the Tapley Hill Formation.

The Search Target Tarcowie Siltstone unit, in which the arenites comparable to the Cox's Sandstone Unit at Waukaringa occur, is areally extensive and occupies a relatively large section of the mapped area. Nevertheless, although the unit itself is quite extensive, it is apparent that the arenite development near the Tarcowie Siltstone/Tapley Hill Formation contact is not as well developed as elsewhere in the Olary Province, particularly compared with the Waukaringa mine locality, near Yunta. Within the Copperlinka licence area, the arenites tend to be fewer, significantly thinner, and often dolomitic in nature. The Tarcowie Siltstone Unit hosts the Eringa and Eringa South mine occurrences within the mapped area.

The overlying Waukaringa Siltstone is extremely attenuated by comparison with other areas, and only small outcrops of this unit can be positively identified in the northern part of the mapped area.

The Pepuarta Tillite, Grampus Quartzite and the Wilpena Group Ulupa Siltstone form the younger members of the stratigraphy, and occupy the core of the regional syncline in the west-central section of the mapped area. The Copperlinka mine is situated at the Pepuarta Tillite - Grampus Quartzite contact on the nose of the syncline.

5. SURFACE GEOCHEMISTRY

During the reconnaissance stage of exploration within the Licence area, a number of rock chip samples were collected from known historical

occurrences, namely the Copperlinka mine, Boomerang mine, Eringa and Eringa South mines, to determine what type of grades could be expected from the oxidized zone within the area.

Many of these samples were random rock grab samples, but some were collected from orientation grids laid prior to the commencement of the RAB and Gemco Auger drilling programmes.

Samples collected were assayed for a range of elements by Comlabs Pty. Ltd. in Adelaide. Those collected from prospects generally gave low gold assays (< 0.005 to 3.5 ppm), while those collected from traverses invariably registered less than the 0.005 ppm lower limit of detection. The assay results for these samples are appended to this report (Appendix 1, 2). In general, the samples verified that low gold levels occur within discordant and concordant quartz veins and are primarily confined to known mineral occurrences. Sample locations are identified on Figure 3.

6. DRILLING

(i) Gemco Auger and Rotary Air Blast Drilling

Due to the poor outcrop which prevails within the licence area an extensive Gemco Auger and Rotary Air Blast drilling programme was undertaken to allow sampling of these areas.

Prior to the commencement of the drilling programme, drill traverse lines varying in length from 1,000 to 5,000 metres were pegged at 50 metre intervals. In addition four shorter orientation grids were also pegged. Not all the planned traverses were drilled and sampled. All four orientation grids, and eleven of the 13 drill traverses, were eventually drilled. Holes were drilled at 5 metre centres along the traverse lines. The drill traverse lines were designed to straddle the contact zone between the Tapley Hill Formation and the overlying Tarcowie Siltstone. This interval is regarded as the Search Target within Exploration Licence 1102.

Altogether 3,217 RAB holes were drilled at an average depth of 2.5 metres. In addition 218 Gemco Auger holes were drilled, with an average depth of 3.5 metres. All samples have been assayed for Cu, Pb, Zn, Ag, As and Au, whilst some samples have also been assayed for Mn, Co, Sb and Ba. The laboratory used was Comlabs Pty. Ltd., in Adelaide and AAS and XRF analytical methods were used throughout.

Although a number of orientation grid samples reported positive gold values, very few other samples collected reported gold values which were above the limit of detection. No other element produced significant assay results. The locations of all orientation grids and drill traverses are outlined on Figure 3, while logistics for these traverses are tabled below.

TABLE 1:

GRID AND TRAVERSE LOGISTICS

Grids

Number	Samples		
	Auger	Rock	Soil
CP001	36	1	-
CP002	21	3	-
CP003	21	5	1
CP004	12	4	-

Traverses

Number	Length (metres)	Bearing (°M)	RAB	Samples Auger	Rock chip
CP006	1700	135	223	116	2
CT011	1500	340	301	-	-
CT012	1500	340	-	-	-
CT013	1000	340	200	-	-
CT014	1500	155	294	-	3
CT015	1500	331	10	-	-
CT016	2000	330	434	-	-
CT017	2000	328	401	-	-
CT018	1500	340	361	-	-
CT019	2000	330	395	-	-
CT020	5000	070	-	-	-
CT021	2000	324	374	-	-
CT022	1400	331	281	-	-

(ii) Core Drilling

Two diamond drillholes (CD001, CD005) were completed within the relinquished area to examine quite different stratigraphic intervals. Geological logs and structure logs for both holes are appended to this report (Appendix 4, 5). Similarly downhole assay results for CD001 are also included (Appendix 3). Diamond drillhole CD005 was not sampled. Hole Completion Reports for CD001 and CD005 are included in Appendix 7.

CD001 was drilled adjacent to a known historical prospect, the Copperlinka mine. The mine is situated on the closure of a regional SW-NE trending syncline and at the Pepuarta Tillite/Grampus Quartzite contact. The workings consist of numerous shafts, declines and pits, many of which have collapsed. They extend over an interval of about 300 metres.

Mineralization occurs in a brecciated quartz-geothite-hematite vein which appears stratabound at the surface. The vein is up to 2.4 metres in thickness but rarely exceeds 1.2 metres. The lode strikes north-south and dips steeply to the west.

Three main shafts have been sunk, the first two of which were worked between 1910 and 1911, while the third was sunk late in 1911. The main shaft is about 9 metres deep, with an 11.5 metres drive extending south at its base. The lode at the base of this hole is 1.0 to 1.5 metres thick. The second shaft is about 6 metres deep while another is nearly 16 metres deep. A fault was intersected in the third shaft downthrowing the lode about 1 metre to the east.

The mine was mainly worked between 1910 and 1911. Historical production figures of 168 tonnes of ore yielding 3457 grams of gold at a grade of 20.5 grams/tonne have been recorded.

CD001 was drilled to test for continuity of the mineralization and vein thickness downdip, in addition to providing stratigraphic coverage of the Pepuarta Tillite/Grampus Quartzite contact. The hole was drilled to a depth of 179.5 metres, the first 2.25 metres being precollared. The remainder of the hole was drilled in HQWL. The hole had a depression of 60^{o}, resulting in overall good stratigraphic penetration. 58.3 metres of Grampus Quartzite overlying 121.1 metres of Pepuarta Tillite was intersected, the base of the Grampus Quartzite also representing the depth of oxidation.

Lode material was intersected from 137.2 to 137.6 metres and 138.0 to 138.5 metres and occurred well within the Pepuarta Tillite. These two intervals were associated with zones of brecciation and shearing and contained extensive calcite veining and very minor pyrite and pyrrhotite. All the core from CD001 was sampled and assayed for a range of elements. No gold was detected.

Diamond drillhole CD005 was drilled at a locality known as Two Mile Dam, some 12 kilometres south of Olary on Eringa Park Station. The location was of interest because the lithologies present indicated modes of formation similar to several significant known gold deposits throughout the world (e.g. Telfer, Western Australia; Muruntan, U.S.S.R.).

CD005 was planned to intersect a stacked arenite sequence defined by a slightly higher surface expression in a regionally low topographic terrain. The presence of quartz in scree and rare secondary copper staining of quartz veins in the area indicated there was a possibility of intersecting a stratiform copper-gold mineralized quartz vein.

The drillhole was situated on the northern side of the broad regional Umberatana Group syncline, with bedding dipping to the south at 25 to 30^{o}.

It was drilled to a depth of 159.2 metres, of which the first 4.2 metres was precollared. The remaining 155.0 metres was drilled in HQWL. The bedding was intersected at right angles, thus good stratigraphic penetration was obtained.

Lithologically the sequence intersected consisted of an unaltered succession of fine grained cream quartzitic sandstone and light to dark grey silty sandstone and sandy siltstone. Graded bedding is common throughout and in the order of 2 to 6 cm thick. Poorly developed loading of sandier intervals into underlying siltstones commonly occur. Rare flame structures, starved ripples, planar laminations and more common cross stratifications occur throughout.

No quartz lodes were intersected in the hole and mineralization was at a minimum throughout. Very fine quartz stringers (< 2 mm) rarely occurred both discordant and concordant to bedding. No visible sulphides occur to a depth of 13 metres, but very fine pyrite with associated limonite is present as fine disseminations from 13 to 45 metres. Below a depth of 45 metres only pyrite occurs, but is rare and generally absent.

7. PETROLOGY

In all, 12 samples had been submitted to Ian Pontifex and Associates in Adelaide for petrographical descriptions. Six were cored slabs collected from various intervals intersected by diamond drillhole CD001. Of the remainder, one sample (CP047 L) was collected from the country rock at the Boomerang mine in the nothwestern corner of the Exploration Licence, 2 were collected from the Eringa South mine and the remaining 3 from the Copperlinka mine. All petrological descriptions are appended to this report (Appendix 6) and their locations are identified on Figure 3.

APPENDIX 1

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and Central Laboratory
306 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA89323

0016

Adelaide office Copy

EL1102 Geochemistry

NATA REGISTERED No. 1526

OUR REF.: COM 830568

YOUR REF.: O/N 8390

Mr. D. Jarvis,
Utah Development Co.,
186 Main Road,
BLACKWOOD SA 5051,

7.4.83

Dear Doug,

RE: JOB COM 830568

Enclosed are the assays for the samples delivered to our laboratory on the 25th March 1983.

Yours sincerely,
COMLABS PTY LTD

per :

P R Mercoy

c.c.: BLACKWOOD

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

0017

JOB COM830568

Results in ppm

SAMPLE	Ba	As	Sb	Ag	Mo	Au	Hg
CP 001R	620	20	<4	2	90	<0.005	<0.05
CP 002R	600	18	<4	1	10	<0.005	<0.05
CP 003R	150	60	12	1	75	<0.005	<0.05
CP 007R	15	18	4	1	16	0.50	<0.05
CP 008R	650	10	6	1	8	0.20	<0.05

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Bi	Mn
CP 001R	14	16	44	310	<4	40.0%
CP 002R	44	32	105	60	8	8800
CP 003R	24	34	65	240	<4	30.0%
CP 007R	110	20	180	6	60	480
CP 008R	160	18	120	10	<4	470

Method of Analysis : Ba As Sb : XRF1
Ag Mo : AAS3
Au : AAS5B
Hg : AAS7

Method of Analysis : Cu Pb Zn Co Bi : AAS1
Mn : AAS2

	Cu	Pb	Zn	As	Ag	Au	Sb	ro
CP 046	26	2500	3100	3900	7	1.60	22	6
CP 047	38	100	6800	570	<1	< 0.005	10	30

.../ 2

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

0018

JOB COM830568

Results in ppm

SAMPLE	Ba	As	Sb	Ag	Mo	Au	Hg
CP 001R	620	20	<4	2	90	<0.005	<0.05
CP 002R	600	18	<4	1	10	<0.005	<0.05
CP 003R	150	60	12	1	75	<0.005	<0.05
CP 007R	15	18	4	1	16	0.50	<0.05
CP 008R	650	10	6	1	8	0.20	<0.05

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Bi	Mn
CP 001R	14	16	44	310	<4	40.0%
CP 002R	44	32	105	60	8	8800
CP 003R	24	34	65	240	<4	30.0%
CP 007R	110	20	180	6	60	480
CP 008R	160	18	120	10	<4	470

Method of Analysis : Ba As Sb : XRF1
Ag Mo : AAS3
Au : AAS5B
Hg : AAS7

Method of Analysis : Cu Pb Zn Co Bi : AAS1
Mn : AAS2

	Cu	Pb	Zn	As	Ag	Mn	Sb	Co
CP046	26	2500	3100	3900	7	1.60	22	6
CP047	38	100	6800	570	<1	<0.005	10	30

.../ 2

APPENDIX 2

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and Central Laboratory
305 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA89323

NATA REGISTERED No. 1526

0020

OUR REF.: COM 830876

YOUR REF.: 8390

Mr. T. Pointon,
Utah Development Co Ltd,
186 Main Road,
BLACKWOOD. S.A. 5051,

5.5.83

Dear Tim,

RE: JOB COM 830876

Enclosed are the assays for the samples delivered to our laboratory on the 3th May, 1983.

Yours sincerely,
COMLABS PTY LTD

per :

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM830876 O/N : 8390

Results in ppm

SAMPLE	Ba	Sb	As
CP001 080 015 A	360	<4	7
CP001 030 015 A	330	6	10
CP001 050 020 R	20	6	<2
CP001 100 020 A	340	<4	4
CP001 045 015 A	420	6	10
CP001 100 000 A	390	6	10
CP001 050 010 A	390	<4	6
CP002 000 025 A	440	<4	5
CP002 025 015 A	420	<4	7
CP002 020 015 R	510	<4	10
CP002 045 015 A	400	8	5
CP002 050 000 A	410	4	7
CP002 050 025 A	440	<4	<2
CP002 050-030 A	410	<4	5
CP003 000 025 A	710	10	12
CP003 000 022 R	240	4	6
CP003 000 030 S	800	10	12
CP003 000 030 A	690	10	14
CP003 100 000 A	170	<4	2
CP003 100 015 A	250	<4	12
CP003 100 030 A	720	4	16
CP004 005 000 A	420	6	10
CP004 015 000 R	480	<4	7
CP004 045 000 A	870	<4	9
CP004 050 000 A	900	4	22

.../ 2

ANALYTICAL REPORT

0022

JOB COM830876 O/N : 8390

Results in ppm

SAMPLE	Ba	Sb	As
CP004 055 000 A	890	<4	6
CP004 060 000 A	910	6	20
CP004 065 000 A	860	6	24

Method of Analysis : Ba Sb As : XRF1

.../ 3

ANALYTICAL REPORT

0023

JOB COM830876 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Mn	Ag	Au
CP001 080 015 A	30	34	80	610	<1	<0.005
CP001 030 015 A	42	65	70	560	<1	<0.005
CP001 050 020 R	2050	1950	400	60	<1	<0.005
CP001 100 020 A	30	24	80	410	<1	<0.005
CP001 045 015 A	60	160	100	530	<1	<0.005
CP001 100 000 A	30	22	70	680	<1	<0.005
CP001 050 010 A	36	44	90	560	<1	<0.005
CP002 000 025 A	28	14	95	440	<1	<0.005
CP002 025 015 A	24	16	110	840	<1	<0.005
CP002 020 015 R	8	4	80	220	<1	<0.005
CP002 045 015 A	26	22	80	790	<1	<0.005
CP002 050 000 A	4	<4	80	420	<1	<0.005
CP002 050 025 A	24	10	90	450	<1	<0.005
CP002 050 030 A	- 44	16	95	350	<1	<0.005
CP003 000 025 A	115	10	80	75	<1	<0.005
CP003 000 022 R	120	14	70	90	<1	<0.005
CP003 000 030 S	90	180	530	1400	<1	<0.005
CP003 000 030 A	270	60	230	780	<1	<0.005
CP003 100 000 A	60	14	70	260	<1	<0.005
CP003 100 015 A	110	8	60	100	<1	<0.005
CP003 100 030 A	60	42	60	70	<1	<0.005
CP004 005 000 A	26	36	65	610	<1	<0.005
CP004 015 000 R	38	12	105	450	<1	<0.005
CP004 045 000 A	6	6	100	1500	<1	<0.005
CP004 050 000 A	34	10	170	250	<1	<0.005

.../ 4

ANALYTICAL REPORT

0024

JOB COM830876 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Mn	Ag	Au
CP004 055 000 A	95	<4	140	130	<1	<0.005
CP004 060 000 A	24	16	190	450	<1	<0.005
CP004 065 000 A	28	10	120	340	<1	<0.005

Method of Analysis : Cu Pb Zn : AAS1
Mn : AAS2
Ag : AAS3
Au : AAS5B

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and
Central Laboratory
305 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA89323

NATA REGISTERED No. 1526

EL1102 ORIENTATION SAMPLING - GEMCO AUGER RIG

OUR REF.: COM 830877

YOUR REF.: Order No. 8390

0025

Mr. D. Jarvis,
Utah Development Co.,
186 Main Road,
BLACKWOOD SA 5051,

23.5.83

Dear Doug,

RE: JOB COM 830877

Enclosed are the assays for the samples delivered to our laboratory on the 3rd May 1983.

Yours sincerely,
COMLABS PTY LTD

per :

P R Hervey

c.c.: BRISBANE

Queensland Preparation Laboratory: 172 Lavarack Ave., Eagle Farm, Queensland. 4007 Tel.: (07) 268 4748
Western Australia Preparation Laboratory: 52 Fairbrother St., Belmont, W.A. 6104 Tel.: (09) 47 81336
Northern Territory Preparation Laboratory: 3 Bishop Street, Darwin, N.T. 5790 Tel.: (089) 81 3961

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM830877 O/N : 8390

0026

Results in ppm

Eringa Mine

SAMPLE	As	Ba	Mn	Au
CP 001 000 0	3	320	600	<0.005
CP 001 000 5	10	390	530	<0.005
CP 001 000 10	16	490	510	<0.005
CP 001 000 15	10	380	560	<0.005
CP 001 000 20	14	440	610	<0.005
CP 001 000 25	12	420	520	<0.005
CP 001 000 30	14	420	570	<0.005
CP 001 050 0	10	350	560	<0.005
CP 001 050 5	7	460	580	<0.005
CP 001 050 15	8	380	600	<0.005
CP 001 050 25	16	470	450	<0.005
CP 001 050 30	10	350	660	<0.005
CP 001 100 5	10	370	540	<0.005
CP 001 100 10	12	390	590	<0.005
CP 001 100 15	8	390	590	<0.005
CP 001 100 25	8	360	530	<0.005
CP 001 100 30	6	500	400	<0.005
CP 001 5 015	12	370	500	<0.005
CP 001 10 015	12	400	540	<0.005
CP 001 15 015	7	340	530	<0.005
CP 001 35 015	10	440	610	<0.005
CP 001 40 015	12	440	570	<0.005
CP 001 55 015	12	380	470	<0.005
CP 001 60 015	12	410	550	<0.005
CP 001 65 015	10	410	590	<0.005

.../ 2

ANALYTICAL REPORT

JOB COM830877 O/N : 8390

0027

Results in ppm

	SAMPLE	As	Ba	Mn	Au
	CP 001 70 015	10	420	540	<0.005
Eringa Mine	CP 001 75 015	10	450	560	<0.005
	CP 001 85 015	10	400	640	<0.005
	CP 001 90 015	10	420	580	<0.005
	CP 001 95 015	9	400	580	<0.005
	CP 002 000 0	9	460	380	<0.005
(	CP 002 000 5	7	310	210	<0.005
	CP 002 000 10	10	460	150	<0.005
	CP 002 000 15	6	400	590	<0.005
	CP 002 000 20	8	410	470	<0.005
	CP 002 000 30	9	440	770	<0.005
Double Dam Barrau area	CP 002 050 5	7	155	900	<0.005
	CP 002 050 10	6	480	180	<0.005
	CP 002 050 15	4	370	1050	<0.005
	CP 002 050 20	5	390	850	<0.005
(	CP 002 5 015	9	430	790	<0.005
	CP 002 10 015	9	440	510	<0.005
	CP 002 15 015	8	430	900	<0.005
	CP 002 30 015	10	400	640	<0.005
	CP 002 35 015	5	400	410	<0.005
	CP 002 40 015	14	450	730	<0.005
	CP 003 000 0	5	135	60	<0.005
Copperlike Mine	CP 003 000 5	10	950	80	0.040
	CP 003 000 10	10	950	65	0.025
	CP 003 000 15	12	850	65	<0.005

.../ 3

ANALYTICAL REPORT

JOB COM830877 O/N : 8390 0028

Results in ppm

SAMPLE	As	Ba	Mn	Au
CP 003 000 20	24	540	130	0.060
CP 003 100 5	5	530	1150	<0.005
CP 003 100 10	8	580	520	<0.005
CP 003 100 20	16	800	130	0.600
CP 003 100 25	14	900	140	0.140
CP 003 075 0	6	390	120	<0.005
Coperlinka Mine CP 003 075 5	9	500	175	<0.005
CP 003 075 10	10	550	85	<0.005
CP 003 075 15	12	750	100	<0.005
CP 003 075 20	24	490	140	0.200
CP 003 075 25	9	510	170	0.040
CP 003 075 30	16	530	200	<0.005
CP 003 10 015	<2	310	90	<0.005
CP 003 25 015	6	260	100	0.010
CP 003 25 020	4	195	105	<0.005
CP 003 28 015	3	135	190	<0.005
CP 004 0 000	8	500	770	<0.005
Campus / Pepuarta CP 004 10 000	16	480	640	<0.005
Parra Area CP 004 20 000	12	350	360	<0.005
CP 004 25 000	10	460	720	<0.005
CP 004 30 000	12	560	500	<0.005
CP 004 35 000	22	500	840	<0.005
CP 004 40 000	36	650	1200	<0.005
CP 004 70 000	8	980	1350	<0.005
CP 004 75 000	2	700	145	<0.005

Method of Analysis : As Ba : XRF1
Mn : AAS2
Au : AAS5B

ANALYTICAL REPORT

JOB COM830877 O/N : 8390

0029

Results in ppm

Eringa Mine

SAMPLE	Cu	Pb	Zn	Ag	Sb
CP 001 000 0	16	22	70	1	6
CP 001 000 5	20	24	65	1	6
CP 001 000 10	20	50	80	1	4
CP 001 000 15	36	40	70	<1	<4
CP 001 000 20	38	32	80	<1	8
CP 001 000 25	30	24	80	<1	8
CP 001 000 30	28	20	70	<1	<4
CP 001 050 0	24	22	60	<1	6
CP 001 050 5	30	26	70	<1	8
CP 001 050 15	28	26	70	<1	4
CP 001 050 25	46	46	70	<1	<4
CP 001 050 30	24	18	60	<1	4
CP 001 100 5	30	20	70	<1	<4
CP 001 100 10	26	30	80	<1	6
CP 001 100 15	28	22	60	<1	<4
CP 001 100 25	26	22	65	<1	<4
CP 001 100 30	34	28	60	<1	<4
CP 001 5 015	28	30	60	<1	<4
CP 001 10 015	30	30	60	<1	<4
CP 001 15 015	26	30	60	<1	<4
CP 001 35 015	100	260	130	<1	<4
CP 001 40 015	32	46	75	<1	<4
CP 001 55 015	42	80	70	<1	<4
CP 001 60 015	32	32	90	<1	<4
CP 001 65 015	28	30	70	<1	<4

.../ 5

ANALYTICAL REPORT

0030

JOB COM830877 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Sb
Eringa Mine	CP 001 70 015	32	28	70	<1	6
	CP 001 75 015	30	26	70	1	4
	CP 001 85 015	26	28	70	<1	<4
	CP 001 90 015	26	22	70	<1	4
	CP 001 95 015	30	20	70	1	12
	CP 002 000 0	28	6	85	<1	<4
	CP 002 000 5	55	12	60	<1	<4
	CP 002 000 10	30	10	70	<1	<4
	CP 002 000 15	36	32	80	<1	6
	CP 002 000 20	26	12	80	1	6
	CP 002 000 30	24	12	80	1	6
Double Dam Current Area	CP 002 050 5	80	16	90	<1	<4
	CP 002 050 10	24	18	90	1	4
	CP 002 050 15	32	22	70	<1	<4
	CP 002 050 20	24	16	70	<1	6
	CP 002 5 015	24	16	80	1	<4
	CP 002 10 015	26	12	80	<1	6
	CP 002 15 015	26	20	85	<1	4
	CP 002 30 015	42	38	80	1	<4
	CP 002 35 015	24	26	90	<1	<4
	CP 002 40 015	22	10	80	<1	<4
Copperlode Mine	CP 003 000 0	50	290	60	<1	<4
	CP 003 000 5	120	90	130	<1	<4
	CP 003 000 10	110	150	140	1	<4
	CP 003 000 15	120	30	95	1	<4

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ANALYTICAL REPORT

0031

JOB COM830877 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Sb
CP 003 000 20	110	46	60	<1	<4
CP 003 100 5	80	16	120	1	8
CP 003 100 10	200	28	145	1	4
CP 003 100 20	130	24	95	1	<4
CP 003 100 25	130	20	75	2	<4
CP 003 075 0	130	18	100	<1	6
Copperlilee Mine CP 003 075 5	70	8	65	1	<4
CP 003 075 10	155	10	90	<1	8
CP 003 075 15	120	10	90	1	<4
CP 003 075 20	100	10	44	<1	8
CP 003 075 25	70	12	42	<1	<4
CP 003 075 30	120	90	75	1	<4
CP 003 10 015	70	130	70	1	<4
CP 003 25 015	90	22	50	<1	6
CP 003 25 020	110	10	60	1	6
CP 003 28 015	95	8	90	1	4
CP 004 0 000	36	26	75	1	8
3 samples/ Departure Green Area CP 004 10 000	26	12	50	<1	<4
CP 004 20 000	26	18	36	<1	<4
CP 004 25 000	18	10	48	1	<4
CP 004 30 000	24	8	60	<1	4
CP 004 35 000	130	8	330	<1	<4
CP 004 40 000	44	8	70	<1	<4
CP 004 70 000	60	28	190	<1	<4
CP 004 75 000	16	6	16	<1	4

Method of Analysis : Cu Pb Zn : AAS1
Ag : AAS3
Sb : XRF1

ANALYTICAL REPORT

JOB COM830966 O/N : 8390

0032

Results in ppm

CP006	0	28	6	55	8	<1	<0.005
CP006	5	22	8	70	6	<1	<0.005
CP006	10	18	6	65	8	<1	<0.005
CP006	15	22	10	65	22	<1	<0.005
CP006	20	26	6	85	14	<1	<0.005
CP006	25	22	6	65	8	<1	<0.005
CP006	30	55	6	60	10	<1	<0.005
CP006	35	44	8	55	6	<1	<0.005
CP006	40	32	4	60	4	<1	<0.005
CP006	45	32	8	50	4	<1	<0.005
CP006	50	38	12	55	6	<1	<0.005
CP006	55	32	8	55	6	<1	<0.005
CP006	60	18	6	44	4	<1	<0.005
CP006	67	28	6	42	6	<1	<0.005
CP006	75	36	12	46	4	<1	<0.005
CP006	80	28	6	60	8	<1	<0.005
CP006	85	28	<4	60	6	<1	<0.005
CP006	90	26	<4	50	8	<1	<0.005
CP006	95	30	<4	55	8	<1	<0.005

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ANALYTICAL REPORT

JOB COM830966 O/N : 8390

0033

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CP006 100A	20	<4	36	4	<1	<0.005
CP006 105A	22	6	38	4	<1	<0.005
CP006 110A	20	<4	38	8	<1	<0.005
CP006 115A	28	<4	48	4	<1	<0.005
CP006 120A	22	<4	46	6	<1	<0.005
CP006 125A	22	<4	46	6	<1	<0.005
CP006 130A	28	<4	55	6	<1	<0.005
CP006 135A	26	<4	36	6	<1	<0.005
CP006 140A	28	<4	44	6	<1	<0.005
CP006 145A	22	<4	38	6	<1	<0.005
CP006 150A	28	6	46	6	<1	<0.005
CP006 155A	28	<4	55	6	<1	<0.005
CP006 160A	26	<4	48	8	<1	<0.005
CP006 165A	38	<4	55	8	<1	<0.005
CP006 170A	34	6	60	8	<1	<0.005
CP006 175A	36	<4	60	8	<1	<0.005
CP006 180A	22	<4	50	6	<1	<0.005
CP006 185A	14	<4	48	6	<1	<0.005
CP006 190A	12	<4	50	6	<1	<0.005
CP006 195A	16	<4	50	8	<1	<0.005
CP006 200A	18	<4	48	6	<1	<0.005
CP006 205A	18	<4	42	6	<1	<0.005
CP006 210A	12	<4	55	6	<1	<0.005
CP006 215A	22	<4	42	8	<1	<0.005
CP006 220A	30	<4	55	8	<1	<0.005

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ANALYTICAL REPORT

JOB COM830966 O/N : 8390 0034

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CP006 230A	26	<4	50	6	<1	<0.005
CP006 233A	10	<4	12	<4	<1	<0.005
CP006 235A	16	<4	38	4	<1	<0.005
CP006 240A	18	<4	55	6	<1	<0.005

ANALYTICAL REPORT

JOB COM830966 O/N : 8390

0035

Results in ppm

SAMPLE	As	Sb	
CP006 0A	8	<4	
CP006 5A	7	4	
CP006 10A	10	4	
CP006 15A	14	8	
CP006 20A	16	<4	Approx 1·2 km east of Copperwinks Well
CP006 25A	16	4	
CP006 30A	4	4	
CP006 35A	7	6	
CP006 40A	3	<4	
CP006 45A	4	4	
CP006 50A	12	<4	
CP006 55A	8	<4	
CP006 60A	18	4	
CP006 67R	8	<4	
CP006 75A	14	6	
CP006 80A	22	<4	
CP006 85A	16	8	
CP006 90A	16	<4	
CP006 95A	14	<4	

.../ 3

ANALYTICAL REPORT

JOB COM830966 O/N : 8390

0036

Results in ppm

SAMPLE	As	Sb	
CP006 100A	14	<4	
CP006 105A	14	<4	
CP006 110A	12	<4	
CP006 115A	3	8	
CP006 120A	7	4	
CP006 125A	9	8	
CP006 130A	10	8	
CP006 135A	6	8	
CP006 140A	9	4	
CP006 145A	3	6	Approx 1·2 kms East of
CP006 150A	7	<4	Coppabella Well.
CP006 155A	12	4	
CP006 160A	9	6	
CP006 165A	22	6	
CP006 170A	8	<4	
CP006 175A	18	<4	
CP006 180A	6	<4	
CP006 185A	12	<4	
CP006 190A	12	<4	
CP006 195A	16	<4	
CP006 200A	9	<4	
CP006 205A	14	<4	
CP006 210A	12	<4	
CP006 215A	9	4	
CP006 220A	4	4	

.../ 4

ANALYTICAL REPORT

JOB COM830966 O/N : 8390

0037

Results in ppm

SAMPLE	As	Sb
CP006 230A	9	<4
CP006 233R	2	<4
CP006 235A	9	4
CP006 240A	10	<4

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and
Central Laboratory
305 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA83323

NATA REGISTERED No. 1526

EL.[illegible]

OUR REF.: COM 831002

YOUR REF.: Order No. 8390

0038

Mr. D. Jarvis,
Utah Development Co.,
186 Main Road,
BLACKWOOD SA 5051,

3.6.83

Dear Doug,

RE: JOB COM 831002

Enclosed are the assays for the samples delivered to our laboratory on the 13th May 1983.

Yours sincerely,
COMLABS PTY LTD

per :

c.c.: [illegible]

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

0039

JOB COM831002 O/E : 8390

Results in ppm

SAMPLE	As	Sb
CP006 245 000	10	10
CP006 500 000	16	12
CP006 505 000	14	10
CP006 510 000	12	8
CP006 515 000	14	4
CP006 520 000	8	6
CP006 525 000	9	8
CP006 530 000	10	8
CP006 535 000	10	<4
CP006 540 000	8	10
CP006 545 000	6	<4
CP006 550 000	7	4
CP006 555 000	5	4
CP006 560 000	10	4
CP006 565 000	2	<4
CP006 570 000	7	4
CP006 575 000	12	<4
CP006 580 000	12	<4
CP006 585 000	6	12
CP006 590 000	4	4
CP006 595 000	10	6
CP006 600 000	8	8
CP006 605 000	7	<4
CP006 610 000	14	6
CP006 615 000	6	8

.../2

ANALYTICAL REPORT

JOB COM831002 O/P : 8390

0040

Results in ppm

SAMPLE	As	Sb
CP006 620 000	4	<4
CP006 625 000	4	6
CP006 630 000	3	10
CP006 635 000	6	6
CP006 640 000	6	4
CP006 645 000	9	12
CP006 650 000	5	4
CP006 655 000	5	6
CP006 660 000	4	4
CP006 665 000	5	14
CP006 670 000	6	<4
CP006 675 000	5	8

and Dup

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and
Central Laborator
305 SOUTH ROAD
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA89323

NATA REGISTERED No. 1526

EL1102

0041

OUR REF.: COM 831029

YOUR REF.: Order No. 8390

Mr. D. Jarvis,
Utah Development Co.,
186 Main Road,
BLACKWOOD SA 5051,

6.6.83

Dear Doug,

RE: JOB COM 831029

Enclosed are the assays for the samples delivered to our laboratory on the 18th May 1983.

Yours sincerely,
COMLABS PTY LTD

per.:

c.c.: BRISBANE

Queensland Preparation Laboratory: 172 Lavarack Ave., Eagle Farm, Queensland. 4007 Tel.: (07) 268 4748
Western Australia Preparation Laboratory: 52 Fairbrother St., Belmont, W.A. 6104 Tel.: (09) 47 81336

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM831029 O/N : 8390

0042

Results in ppm

SAMPLE	As	Sb	Ba
CP006 685 000	3	4	440
CP006 690 000	10	4	450
CP006 695 000	5	6	420
CP006 700 000	8	8	450
CP006 705 000	2	10	400
CP006 710 000	<2	6	420
CP006 715 000	7	<4	490
CP006 720 000	7	<4	480
CP006 725 000	6	4	430
CP006 730 000	7	6	400
CP006 735 000	4	<4	460
CP006 740 000	7	12	480
CP006 745 000	5	8	470
CP006 750 000	5	4	390
CP006 755 000	10	8	420
CP006 760 000	8	4	430
CP006 765 000	5	<4	390
CP006 770 000	9	12	390
CP006 775 000	8	8	400
CP006 780 000	8	6	390
CP006 785 000	6	8	410
CP006 790 000	6	6	420
CP006 795 000	9	<4	390
CP006 800 000	6	4	380
CP006 805 000	12	10	390

.../ 2

ANALYTICAL REPORT

JOB COM831029 O/N : 8390

Results in ppm

0043

SAMPLE	As	Sb	Ba
CP006 810 000	7	12	390
CP006 815 000	8	4	370
CP006 820 000	12	12	390
CP006 825 000	16	4	380

Method of Analysis : As Sb Ba : XRF1

.../ 3

ANALYTICAL REPORT

JOB COM831029 O/N : 8390

Results in ppm

0044

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CP006 685 000	24	20	70	12	<1	<0.005
CP006 690 000	26	26	70	12	<1	<0.005
CP006 695 000	28	18	60	8	<1	<0.005
CP006 700 000	20	16	70	8	<1	<0.005
CP006 705 000	24	16	70	10	<1	<0.005
CP006 710 000	20	16	70	8	<1	<0.005
CP006 715 000	32	28	65	10	<1	<0.005
CP006 720 000	18	20	70	10	<1	<0.005
CP006 725 000	14	12	70	10	<1	<0.005
CP006 730 000	20	20	60	10	<1	<0.005
CP006 735 000	24	18	70	8	<1	<0.005
CP006 740 000	22	18	70	8	<1	<0.005
CP006 745 000	20	14	65	8	<1	<0.005
CP006 750 000	20	14	55	8	<1	<0.005
CP006 755 000	20	8	70	10	<1	<0.005
CP006 760 000	20	8	70	10	<1	<0.005
CP006 765 000	18	6	70	8	<1	<0.005
CP006 770 000	20	6	70	8	<1	<0.005
CP006 775 000	22	10	70	6	<1	<0.005
CP006 780 000	18	8	60	6	<1	<0.005
CP006 785 000	22	8	60	10	<1	<0.005
CP006 790 000	14	8	65	10	<1	<0.005
CP006 795 000	24	6	60	8	<1	<0.005
CP006 800 000	14	4	60	6	<1	<0.005
CP006 805 000	20	6	60	6	<1	<0.005

.../ 4

ANALYTICAL REPORT

JOB COM831029 O/N : 8390

0045

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CP006 810 000	20	6	60	6	<1	<0.005
CP006 815 000	20	6	60	8	<1	<0.005
CP006 820 000	18	6	50	6	<1	<0.005
CP006 825 000	10	6	50	6	<1	<0.005

Method of Analysis : Cu Pb Zn Co : AAS1
: Ag : AAS3
: Au : AAS5B

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and Central Laboratory
305 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA89323

NATA REGISTERED No. 1526

Traverse CP006
EL 1102 Cardwell

0046

OUR REF.: COM 831381

YOUR REF.: O/N 8390

Mr. D. Jarvis,
Utah Development Company,
186 Main Road,
BLACKWOOD. S.A. 5051.,

15.7.83

Dear Doug,

RE: JOB COM 831381

Enclosed are the assays for the samples delivered to our laboratory on the 29th June, 1983.

Yours sincerely,
COMLABS PTY LTD

per :

c.c.: BRISBANE

Queensland Preparation Laboratory: 172 Lavarack Ave., Eagle Farm, Queensland. 4007 Tel.: (07) 268 4748
Western Australia Preparation Laboratory: 52 Fairbrother St., Belmont, W.A. 6104 Tel.: (09) 47 81336
Northern Territory Preparation Laboratory: 3 Bishop Street, Darwin, N.T. 5790 Tel.: (089) 81 3961

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM831381 O/N : 8390

Results in ppm

0047

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 260.0 R	28	18	100	4	<0.005	10
CP006 265.0 R	26	22	110	3	<0.005	6
CP006 270.0 R	30	30	70	2	<0.005	12
CP006 275.0 R	28	16	90	2	<0.005	10
CP006 280.0 R	34	12	160	2	<0.005	7
CP006 285.0 R	20	12	80	1	<0.005	7
CP006 290.0 R	28	12	90	2	<0.005	7
CP006 295.0 R	30	16	100	2	<0.005	8
CP006 300.0 R	24	12	75	1	<0.005	6
CP006 305.0 R	32	26	170	1	<0.005	10
CP006 310.0 R	50	26	130	2	<0.005	10
CP006 315.0 R	28	18	80	1	<0.005	9
CP006 320.0 R	24	14	110	1	<0.005	9
CP006 325.0 R	28	10	70	1	<0.005	3
CP006 330.0 R	26	14	70	1	<0.005	12
CP006 335.0 R	22	14	60	1	<0.005	12
CP006 340.0 R	22	14	90	1	<0.005	14
CP006 345.0 R	22	12	85	1	<0.005	12
CP006 350.0 R	32	18	80	1	<0.005	16
~~CP006 355.0 R~~	~~26~~	~~18~~	~~85~~	~~1~~	~~<0.005~~	~~14~~
CP006 360.0 R	24	14	60	<1	<0.005	10
CP006 365.0 R	32	16	70	<1	<0.005	10
CP006 370.0 R	26	16	60	<1	<0.005	16
CP006 375.0 R	22	14	50	1	<0.005	10
CP006 380.0 R	22	10	50	1	<0.005	7

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ANALYTICAL REPORT

JOB COM831381 O/N : 8390

0048

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 385.0 R	22	14	55	<1	<0.005	8
CP006 390.0 R	20	14	55	1	<0.005	7
CP006 395.0 R	22	24	44	2	<0.005	8
CP006 400.0 R	22	26	80	1	<0.005	5
CP006 405.0 R	20	28	65	1	<0.005	8
CP006 410.0 R	24	14	90	2	<0.005	9
CP006 415.0 R	20	16	50	1	<0.005	7
CP006 420.0 R	22	16	60	1	<0.005	5
CP006 425.0 R	22	16	50	1	<0.005	2
CP006 430.0 R	20	26	65	1	<0.005	<2
CP006 435.0 R	22	18	60	1	<0.005	4
CP006 440.0 R	22	22	50	1	<0.005	2
CP006 445.0 R	24	20	60	<1	<0.005	6
CP006 450.0 R	20	20	60	1	<0.005	6
CP006 455.0 R	20	22	55	1	<0.005	3
CP006 460.0 R	22	18	60	<1	<0.005	5
CP006 465.0 R	22	18	60	1	<0.005	<2
CP006 470.0 R	22	18	70	1	<0.005	6
CP006 475.0 R	20	20	70	1	<0.005	4
CP006 480.0 R	20	20	60	1	<0.005	5
CP006 485.0 R	22	10	65	1	<0.005	6
CP006 490.0 R	20	6	60	1	<0.005	5
CP006 495.0 R	22	8	50	1	<0.005	10
CP006 830.0 R	18	6	75	1	<0.005	12
CP006 835.0 R	20	4	46	1	<0.005	14

.../ 3

ANALYTICAL REPORT

JOB COM831381 O/N : 8390

0049

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 840.0 R	22	6	50	1	<0.005	10
CP006 845.0 R	20	4	48	1	<0.005	12
CP006 850.0 R	24	10	60	1	<0.005	14
CP006 855.0 R	26	6	50	1	<0.005	14
CP006 860.0 R	22	6	55	1	<0.005	9
CP006 865.0 R	18	<4	48	1	<0.005	10
CP006 870.0 R	24	4	50	1	<0.005	9
CP006 875.0 R	34	4	50	1	<0.005	14
CP006 880.0 R	22	6	44	1	<0.005	12
CP006 885.0 R	18	8	42	1	<0.005	12
CP006 890.0 R	20	4	42	1	<0.005	18
CP006 895.0 R	22	<4	40	1	<0.005	16
CP006 900.0 R	22	6	42	1	<0.005	16
CP006 905.0 R	18	4	40	1	<0.005	12
CP006 910.0 R	20	4	42	<1	<0.005	16
CP006 915.0 R	18	<4	34	1	<0.005	12
CP006 920.0 R	24	<4	24	<1	<0.005	14
CP006 925.0 R	20	<4	28	<1	<0.005	16
CP006 930.0 R	18	<4	32	1	<0.005	16
CP006 935.0 R	20	<4	30	1	<0.005	16
CP006 940.0 R	18	<4	34	1	<0.005	16
CP006 945.0 R	18	<4	38	1	<0.005	16
CP006 950.0 R	18	4	38	1	<0.005	18
CP006 955.0 R	18	<4	40	<1	<0.005	16
CP006 960.0 R	16	<4	38	1	<0.005	14

.../ 4

ANALYTICAL REPORT

JOB COM831381 O/N : 8390

Results in ppm

0050

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 965.0 R	14	<4	36	1	<0.005	16
CP006 970.0 R	36	4	32	<1	<0.005	24
CP006 975.0 R	34	<4	32	<1	<0.005	16
CP006 980.0 R	60	<4	30	1	<0.005	80
CP006 985.0 R	16	<4	34	<1	<0.005	14
CP006 990.0 R	14	<4	34	1	<0.005	18
CP006 995.0 R	16	<4	34	1	0.005	14
CP006 1000.0 R	20	<4	32	<1	0.010	18
CP006 1005.0 R	16	12	34	1	<0.005	14
CP006 1010.0 R	18	8	42	1	<0.005	14
CP006 1015.0 R	22	4	36	<1	<0.005	12
CP006 1020.0 R	24	4	40	<1	<0.005	16
CP006 1025.0 R	22	<4	42	1	<0.005	18
CP006 1030.0 R	20	<4	36	<1	0.010	18
CP006 1035.0 R	18	6	32	<1	<0.005	16
CP006 1040.0 R	22	6	50	1	0.005	14
CP006 1045.0 R	18	<4	46	<1	<0.005	18
CP006 1050.0 R	40	4	50	1	<0.005	22
CP006 1055.0 R	14	<4	38	<1	<0.005	20
CP006 1060.0 R	12	4	40	1	<0.005	22
CP006 1065.0 R	20	4	55	<1	<0.005	18
CP006 1070.0 R	22	<4	38	1	<0.005	22
CP006 1075.0 R	34	<4	70	<1	<0.005	12
CP006 1080.0 R	30	<4	48	1	<0.005	10
CP006 1085.0 R	26	10	80	<1	<0.005	6

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ANALYTICAL REPORT

JOB COM831381 O/N : 8390

0051

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 1090.0 R	24	<4	50	<1	<0.005	22
CP006 1095.0 R	44	6	60	<1	<0.005	6
CP006 1100.0 R	50	<4	38	<1	<0.005	2
CP006 1105.0 R	60	<4	75	<1	<0.005	20
CP006 1110.0 R	48	<4	46	<1	<0.005	9
CP006 1115.0 R	220	10	48	<1	<0.005	30
CP006 1120.0 R	20	6	70	<1	<0.005	14
CP006 1125.0 R	20	12	70	<1	<0.005	20
CP006 1130.0 R	20	18	70	<1	<0.005	14
CP006 1135.0 R	30	14	70	<1	<0.005	4
CP006 1140.0 R	28	14	90	<1	<0.005	9
CP006 1145.0 R	26	14	70	1	<0.005	7
CP006 1150.0 R	32	10	70	<1	<0.005	5
CP006 1155.0 R	26	<4	80	1	<0.005	8
CP006 1160.0 R	26	12	70	<1	<0.005	9
CP006 1165.0 R	22	18	60	<1	<0.005	7
CP006 1170.0 R	20	18	90	<1	<0.005	18
CP006 1175.0 R	24	12	60	<1	<0.005	10
CP006 1180.0 R	28	20	60	<1	<0.005	20
CP006 1185.0 R	30	32	80	<1	<0.005	10
CP006 1190.0 R	48	10	70	<1	<0.005	12
CP006 1195.0 R	28	18	80	<1	<0.005	10
CP006 1200.0 R	22	10	70	<1	<0.005	12
CP006 1205.0 R	32	28	80	<1	<0.005	16
CP006 1210.0 R	26	10	70	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831381 O/N : 8390

0052

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 1215.0 R	32	18	75	<1	<0.005	10
CP006 1220.0 R	28	10	70	<1	<0.005	5
CP006 1225.0 R	28	12	80	<1	<0.005	12
CP006 1230.0 R	24	10	80	1	<0.005	12
CP006 1235.0 R	34	28	80	<1	<0.005	10
CP006 1240.0 R	30	12	80	1	<0.005	9
CP006 1245.0 R	46	14	60	1	<0.005	8
CP006 1250.0 R	30	46	80	1	<0.005	8
CP006 1255.0 R	24	6	80	<1	<0.005	14
CP006 1260.0 R	32	14	60	<1	<0.005	12
CP006 1265.0 R	20	12	60	1	<0.005	9
CP006 1270.0 R	28	16	80	<1	<0.005	12
CP006 1275.0 R	26	6	80	<1	<0.005	12
CP006 1280.0 R	28	10	60	<1	<0.005	10
CP006 1285.0 R	28	26	80	1	<0.005	12
CP006 1290.0 R	80	60	70	<1	<0.005	5
CP006 1295.0 R	20	<4	80	<1	<0.005	14
CP006 1300.0 R	24	10	75	<1	<0.005	12
CP006 1305.0 R	22	10	70	<1	<0.005	12
CP006 1310.0 R	24	10	80	<1	<0.005	12
CP006 1315.0 R	22	6	85	<1	<0.005	9
CP006 1320.0 R	20	6	75	<1	<0.005	10
CP006 1325.0 R	22	6	60	<1	<0.005	16
CP006 1330.0 R	24	6	60	<1	<0.005	14
CP006 1335.0 R	20	6	60	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831381 O/N : 8390

Results in ppm

0053

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 1340.0 R	20	10	60	1	0.010	10
CP006 1345.0 R	32	8	80	1	<0.005	22
CP006 1350.0 R	36	6	70	1	<0.005	14
CP006 1355.0 R	24	<4	75	1	<0.005	14
CP006 1360.0 R	26	4	70	1	<0.005	14
CP006 1365.0 R	20	<4	60	1	<0.005	18
CP006 1370.0 R	28	<4	60	1	<0.005	22
CP006 1375.0 R	26	<4	60	1	<0.005	18
CP006 1380.0 R	20	<4	65	1	<0.005	8
CP006 1385.0 R	24	<4	70	1	<0.005	10
CP006 1390.0 R	20	8	60	1	<0.005	14
CP006 1395.0 R	22	10	70	1	<0.005	10
CP006 1400.0 R	18	16	70	1	<0.005	14
CP006 1405.0 R	22	24	70	1	<0.005	9
CP006 1410.0 R	20	28	60	1	<0.005	8
CP006 1415.0 R	34	24	70	1	<0.005	8
CP006 1420.0 R	24	40	80	1	<0.005	7
CP006 1425.0 R	24	16	60	1	<0.005	9
CP006 1430.0 R	22	18	70	1	<0.005	12
CP006 1435.0 R	22	10	70	1	<0.005	12
CP006 1440.0 R	20	8	70	1	<0.005	6
CP006 1445.0 R	28	20	80	1	<0.005	7
CP006 1450.0 R	28	36	80	1	<0.005	9
CP006 1455.0 R	20	12	70	1	<0.005	12
CP006 1460.0 R	26	28	80	1	<0.005	16

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ANALYTICAL REPORT

JOB COM831381 O/N : 8390

0054

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 1465.0 R	24	22	90	1	<0.005	14
CP006 1470.0 R	30	18	80	1	<0.005	10
CP006 1475.0 R	22	26	90	1	<0.005	12
CP006 1480.0 R	22	8	120	1	<0.005	8
CP006 1485.0 R	32	10	130	1	<0.005	10
CP006 1490.0 R	42	60	260	<1	<0.005	6
CP006 1495.0 R	38	50	130	1	<0.005	20
CP006 1500.0 R	42	10	100	1	<0.005	8
CP006 1505.0 R	28	10	80	1	<0.005	8
CP006 1510.0 R	16	28	42	1	<0.005	8
CP006 1515.0 R	18	18	60	1	<0.005	14
CP006 1520.0 R	26	12	70	1	<0.005	12
CP006 1525.0 R	24	8	65	1	<0.005	9
CP006 1530.0 R	26	8	85	1	<0.005	14
CP006 1535.0 R	26	6	80	1	<0.005	16
CP006 1540.0 R	20	<4	36	1	<0.005	12
CP006 1545.0 R	30	6	60	1	<0.005	12
CP006 1550.0 R	28	12	75	1	<0.005	12
CP006 1555.0 R	16	8	70	1	<0.005	6
CP006 1560.0 R	18	6	60	1	<0.005	9
CP006 1565.0 R	28	12	80	1	<0.005	12
CP006 1570.0 R	30	12	65	1	<0.005	4
CP006 1575.0 R	22	36	70	1	<0.005	10
CP006 1580.0 R	22	46	60	1	<0.005	10
CP006 1585.0 R	30	24	70	1	<0.005	9

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ANALYTICAL REPORT

JOB COM831381 O/N : 8390

Results in ppm

0053

SAMPLE	Cu	Pb	Zn	Ag	Au	As
40.0 R	20	10	60	1	0.010	10
45.0 R	32	8	80	1	<0.005	22
50.0 R	36	6	70	1	<0.005	14
55.0 R	24	<4	75	1	<0.005	14
60.0 R	26	4	70	1	<0.005	14
65.0 R	20	<4	60	1	<0.005	18
70.0 R	28	<4	60	1	<0.005	22
75.0 R	26	<4	60	1	<0.005	18
80.0 R	20	<4	65	1	<0.005	8
85.0 R	24	<4	70	1	<0.005	10
90.0 R	20	8	60	1	<0.005	14
95.0 R	22	10	70	1	<0.005	10
00.0 R	18	16	70	1	<0.005	14
05.0 R	22	24	70	1	<0.005	9
10.0 R	20	28	60	1	<0.005	8
15.0 R	34	24	70	1	<0.005	8
20.0 R	24	40	80	1	<0.005	7
25.0 R	24	16	60	1	<0.005	9
30.0 R	22	18	70	1	<0.005	12
35.0 R	22	10	70	1	<0.005	12
40.0 R	20	8	70	1	<0.005	6
45.0 R	28	20	80	1	<0.005	7
50.0 R	28	36	80	1	<0.005	9
55.0 R	20	12	70	1	<0.005	12
60.0 R	26	28	80	1	<0.005	16

.../ 8

LYTICAL REPORT

1 O/N : 8390

ults in ppm

Pb	Zn	Ag	
22	90	1	<0
18	80	1	<0
26	90	1	<0
8	120	1	<0
10	130	1	<0
60	260	<1	<0
50	130	1	<0
10	100	1	<0
10	80	1	<0
28	42	1	<0
18	60	1	<0
12	70	1	<0
8	65	1	<0
8	85	1	<0
6	80	1	<0
<4	36	1	<0
6	60	1	<0
12	75	1	<0
8	70	1	<0
6	60	1	<0
12	80	1	<0
12	65	1	<0
36	70	1	<0
46	60	1	<0
24	70	1	<0

ANALYTICAL REPORT

JOB COM831381 O/N : 8390

0055

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CP006 1590.0 R	22	8	80	1	<0.005	12
CP006 1595.0 R	22	20	80	1	<0.005	6
CP006 1600.0 R	38	42	85	1	<0.005	6
CP006 1605.0 R	26	26	70	1	<0.005	16
CP006 1610.0 R	22	12	75	1	<0.005	12
CP006 1615.0 R	24	14	70	1	<0.005	14
CP006 1620.0 R	30	32	70	1	<0.005	24
CP006 1625.0 R	18	34	70	<1	<0.005	14
CP006 1630.0 R	24	14	60	<1	<0.005	14
CP006 1635.0 R	24	50	70	1	<0.005	12
CP006 1640.0 R	22	22	80	<1	<0.005	16
CP006 1645.0 R	26	30	90	1	<0.005	10
CP006 1650.0 R	20	28	100	1	<0.005	10
CP006 1655.0 R	24	50	95	1	<0.005	20
CP006 1660.0 R	18	22	85	<1	<0.005	14
CP006 1665.0 R	30	26	80	1	<0.005	12
CP006 1670.0 R	32	22	85	1	<0.005	12
CP006 1675.0 R	20	14	70	1	<0.005	12
CP006 1680.0 R	20	12	70	1	<0.005	12
CP006 1685.0 R	18	14	70	1	<0.005	7
CP006 1690.0 R	26	20	60	<1	<0.005	12
CP006 1695.0 R	32	24	80	1	<0.005	6
CP006 1700.0 R	22	14	70	1	<0.005	12

Method of Analysis : Cu Pb Zn : AAS1
Ag : AAS3
Au : AAS5B
As : XRF1

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and Central Laboratory
305 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA89323

NATA REGISTERED No. 1526

RAB Tenure CTC13
(near Two Mile Dam)
EL1102 Geochemistry

OUR REF.: COM 831418

YOUR REF.: Order No. 8390

0056

Mr. D. Jarvis,
Utah Development Co.,
186 Main Road,
BLACKWOOD SA 5051,

21.7.83

Dear Doug,

RE: JOB COM 831418

Enclosed are the assays for the samples delivered to our laboratory on the 4th July 1983.

Yours sincerely,
COMLABS PTY LTD

per :

P R Harvey

c.c.: BRISBANE /-

Queensland Preparation Laboratory: 172 Lavarack Ave., Eagle Farm, Queensland. 4007 Tel.: (07) 268 4748
Western Australia Preparation Laboratory: 52 Fairbrother St., Belmont, W.A. 6104 Tel.: (09) 47 81336
Northern Territory Preparation Laboratory: 3 Bishop Street, Darwin, N.T. 5790 Tel.: (089) 81 3961

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM831418 O/N : 8390

0057

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 0.0 R	16	20	24	<1	<0.005	12
CT013 5.0 R	16	26	30	<1	<0.005	20
CT013 10.0 R	14	16	24	<1	<0.005	12
CT013 15.0 R	20	26	46	<1	<0.005	22
CT013 20.0 R	18	34	38	<1	<0.005	14
CT013 25.0 R	16	14	20	<1	<0.005	12
CT013 30.0 R	18	16	50	<1	<0.005	9
CT013 35.0 R	14	12	18	<1	<0.005	12
CT013 40.0 R	26	18	50	<1	<0.005	20
CT013 45.0 R	18	22	30	<1	<0.005	20
CT013 50.0 R	18	28	46	<1	<0.005	18
CT013 55.0 R	18	18	34	<1	<0.005	16
CT013 60.0 R	18	20	40	<1	<0.005	14
CT013 65.0 R	18	20	42	<1	<0.005	16
CT013 70.0 R	20	26	46	<1	<0.005	20
CT013 75.0 R	16	16	26	<1	<0.005	20
CT013 80.0 R	22	22	55	<1	<0.005	9
CT013 85.0 R	22	38	50	<1	<0.005	16
CT013 90.0 R	20	14	30	<1	<0.005	22
CT013 95.0 R	16	18	30	<1	<0.005	16
CT013 100.0 R	18	24	34	<1	<0.005	14
CT013 105.0 R	18	20	40	<1	<0.005	16
CT013 110.0 R	18	26	55	<1	<0.005	10
CT013 115.0 R	16	14	24	<1	<0.005	10
CT013 120.0 R	18	16	38	<1	<0.005	12

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ANALYTICAL REPORT

JOB COM831418 O/N : 8390 0058

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 125.0 R	22	24	46	<1	<0.005	14
CT013 130.0 R	18	16	24	<1	<0.005	12
CT013 135.0 R	34	26	70	<1	<0.005	8
CT013 140.0 R	24	70	85	<1	<0.005	14
CT013 145.0 R	18	18	40	<1	<0.005	16
CT013 150.0 R	30	18	65	<1	<0.005	9
CT013 155.0 R	24	22	60	<1	<0.005	12
CT013 160.0 R	22	14	50	<1	<0.005	8
CT013 165.0 R	20	12	50	<1	<0.005	12
CT013 170.0 R	24	16	50	<1	<0.005	16
CT013 175.0 R	24	28	40	<1	<0.005	12
CT013 180.0 R	32	18	70	<1	<0.005	14
CT013 185.0 R	28	22	70	<1	<0.005	14
CT013 190.0 R	22	22	50	<1	<0.005	20
CT013 195.0 R	28	28	65	<1	<0.005	16
CT013 200.0 R	26	28	60	<1	<0.005	14
CT013 205.0 R	24	20	65	<1	<0.005	10
CT013 210.0 R	20	14	55	<1	<0.005	16
CT013 215.0 R	14	14	34	<1	<0.005	8
CT013 220.0 R	34	22	70	<1	<0.005	9
CT013 225.0 R	20	16	60	<1	<0.005	8
CT013 230.0 R	28	20	70	<1	<0.005	5
CT013 235.0 R	24	18	75	<1	<0.005	12
CT013 240.0 R	18	28	48	<1	<0.005	24
CT013 245.0 R	20	28	55	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831418 O/N : 8390

Results in ppm

0059

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 250.0 R	24	14	55	<1	<0.005	9
CT013 255.0 R	16	14	44	<1	<0.005	14
CT013 260.0 R	20	20	55	<1	<0.005	10
CT013 265.0 R	18	22	60	<1	<0.005	10
CT013 270.0 R	20	22	65	<1	<0.005	8
CT013 275.0 R	20	20	50	<1	<0.005	10
CT013 280.0 R	20	32	65	<1	<0.005	10
CT013 285.0 R	20	16	40	<1	<0.005	10
CT013 290.0 R	16	14	34	<1	<0.005	14
CT013 295.0 R	18	12	34	<1	<0.005	12
CT013 300.0 R	50	20	55	<1	<0.005	9
CT013 305.0 R	28	40	110	<1	<0.005	16
CT013 310.0 R	24	32	70	<1	<0.005	10
CT013 315.0 R	20	16	44	<1	<0.005	8
CT013 320.0 R	18	10	38	<1	<0.005	10
CT013 325.0 R	18	18	40	<1	<0.005	12
CT013 330.0 R	18	12	40	<1	<0.005	9
CT013 335.0 R	24	22	65	<1	<0.005	12
CT013 340.0 R	26	24	75	<1	<0.005	20
~~CT013 345.0 R~~	~~26~~	~~10~~	~~60~~	~~<1~~	~~<0.005~~	~~12~~
CT013 355.0 R	18	14	50	<1	<0.005	12
CT013 360.0 R	20	14	65	<1	<0.005	16
CT013 365.0 R	16	10	44	<1	<0.005	12
CT013 370.0 R	22	10	60	<1	<0.005	10
CT013 375.0 R	18	18	50	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831418 O/N : 8390

0060

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 380.0 R	18	8	55	<1	<0.005	12
CT013 385.0 R	26	55	65	<1	<0.005	12
CT013 390.0 R	26	32	70	<1	<0.005	12
CT013 395.0 R	16	10	48	<1	<0.005	12
CT013 400.0 R	18	4	50	<1	<0.005	10
CT013 405.0 R	18	14	60	<1	<0.005	12
CT013 410.0 R	20	12	55	<1	<0.005	12
CT013 415.0 R	18	8	55	<1	<0.005	16
CT013 420.0 R	18	12	60	<1	<0.005	10
CT013 425.0 R	20	12	60	<1	<0.005	12
CT013 430.0 R	22	14	60	<1	<0.005	10
CT013 435.0 R	20	14	55	<1	<0.005	12
CT013 440.0 R	22	8	50	<1	<0.005	9
CT013 445.0 R	20	10	55	<1	<0.005	12
CT013 450.0 R	22	12	70	<1	<0.005	9
CT013 455.0 R	28	12	70	<1	<0.005	12
CT013 460.0 R	22	10	60	<1	<0.005	9
CT013 465.0 R	18	12	50	<1	<0.005	12
CT013 470.0 R	20	8	55	<1	<0.005	6
CT013 475.0 R	20	12	55	<1	<0.005	8
CT013 480.0 R	18	12	60	<1	<0.005	9
CT013 485.0 R	22	8	60	<1	<0.005	12
CT013 490.0 R	24	12	60	<1	<0.005	12
CT013 495.0 R	20	12	65	<1	<0.005	14
CT013 500.0 R	22	14	60	<1	<0.005	14

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ANALYTICAL REPORT

JOB COM831418 O/N : 8390 0061

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 505.0 R	18	24	75	<1	<0.005	16
CT013 510.0 R	20	20	70	<1	<0.005	18
CT013 515.0 R	18	18	70	<1	<0.005	18
CT013 520.0 R	18	14	48	<1	<0.005	14
CT013 525.0 R	18	14	60	<1	<0.005	18
CT013 530.0 R	20	12	65	<1	<0.005	14
CT013 535.0 R	18	12	50	<1	<0.005	18
CT013 540.0 R	18	16	40	<1	<0.005	14
CT013 545.0 R	18	18	60	<1	<0.005	14
CT013 550.0 R	14	16	44	<1	<0.005	20
CT013 555.0 R	16	42	115	<1	<0.005	26
CT013 560.0 R	28	4	44	<1	<0.005	14
CT013 565.0 R	22	4	42	<1	<0.005	18
CT013 570.0 R	24	6	48	<1	<0.005	18
CT013 575.0 R	22	55	60	<1	<0.005	18
CT013 580.0 R	32	4	60	<1	<0.005	16
CT013 585.0 R	24	8	44	<1	<0.005	28
CT013 590.0 R	22	10	60	<1	<0.005	10
CT013 595.0 R	26	14	55	<1	<0.005	8
CT013 600.0 R	30	18	55	<1	<0.005	5
CT013 605.0 R	32	14	60	<1	<0.005	3
CT013 610.0 R	32	10	55	<1	<0.005	2
CT013 615.0 R	34	10	70	<1	<0.005	9
CT013 620.0 R	26	6	48	<1	<0.005	12
CT013 625.0 R	24	16	50	<1	<0.005	22

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ANALYTICAL REPORT

JOB COM831418 O/N : 8390

Results in ppm

0062

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 630.0 R	30	24	60	<1	<0.005	14
CT013 635.0 R	26	8	50	<1	<0.005	14
CT013 640.0 R	38	24	70	<1	<0.005	16
CT013 645.0 R	32	14	55	<1	<0.005	12
CT013 650.0 R	24	10	60	<1	<0.005	10
CT013 655.0 R	26	8	50	<1	<0.005	6
CT013 660.0 R	22	55	110	<1	<0.005	18
CT013 665.0 R	22	12	65	<1	<0.005	18
CT013 670.0 R	22	14	60	<1	<0.005	10
CT013 675.0 R	26	16	60	<1	<0.005	12
CT013 680.0 R	18	12	70	<1	<0.005	12
CT013 685.0 R	18	10	60	<1	<0.005	12
CT013 690.0 R	24	16	75	<1	<0.005	10
CT013 695.0 R	28	24	70	<1	<0.005	10
CT013 700.0 R	22	14	70	<1	<0.005	16
CT013 705.0 R	24	24	70	<1	<0.005	14
CT013 710.0 R	28	26	70	<1	<0.005	16
CT013 715.0 R	20	14	65	<1	<0.005	12
CT013 720.0 R	22	14	65	<1	<0.005	12
CT013 725.0 R	26	22	65	<1	<0.005	12
CT013 730.0 R	26	22	60	<1	<0.005	16
CT013 735.0 R	34	22	80	<1	<0.005	20
CT013 740.0 R	26	14	60	<1	<0.005	16
CT013 745.0 R	26	16	50	<1	<0.005	16
CT013 750.0 R	22	12	70	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831418 O/N : 8390 0063

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 755.0 R	28	16	70	<1	<0.005	14
CT013 760.0 R	48	10	85	<1	<0.005	16
CT013 765.0 R	55	28	70	<1	<0.005	9
CT013 770.0 R	55	38	70	<1	<0.005	14
CT013 775.0 R	32	12	80	<1	<0.005	14
CT013 780.0 R	28	12	70	<1	<0.005	20
CT013 785.0 R	38	20	55	<1	<0.005	18
CT013 790.0 R	50	30	75	<1	<0.005	9
CT013 795.0 R	28	14	70	<1	<0.005	16
CT013 800.0 R	26	8	60	<1	<0.005	12
CT013 805.0 R	30	8	70	<1	<0.005	18
CT013 810.0 R	18	22	50	<1	<0.005	12
CT013 815.0 R	36	12	100	<1	<0.005	12
CT013 820.0 R	26	16	80	<1	<0.005	14
CT013 825.0 R	32	20	80	<1	<0.005	16
CT013 830.0 R	40	18	80	<1	<0.005	9
CT013 835.0 R	34	18	90	<1	<0.005	12
CT013 840.0 R	20	14	65	<1	<0.005	18
CT013 845.0 R	36	18	95	<1	<0.005	18
CT013 850.0 R	24	10	70	<1	<0.005	16
CT013 855.0 R	24	10	55	<1	<0.005	14
CT013 860.0 R	26	16	60	<1	<0.005	14
CT013 865.0 R	24	16	60	<1	<0.005	14
CT013 870.0 R	22	16	55	<1	<0.005	16
CT013 875.0 R	20	14	50	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831418 O/N : 8390

Results in ppm

0064

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT013 880.0 R	18	16	55	<1	<0.005	7
CT013 890.0 R	18	12	44	<1	<0.005	9
CT013 895.0 R	28	12	75	<1	<0.005	20
CT013 900.0 R	16	10	30	<1	<0.005	7
CT013 905.0 R	24	10	65	<1	<0.005	14
CT013 910.0 R	32	18	70	<1	<0.005	16
CT013 915.0 R	24	6	65	<1	<0.005	14
CT013 920.0 R	24	6	60	<1	<0.005	16
CT013 925.0 R	34	30	70	<1	0.005	20
CT013 930.0 R	30	14	50	<1	<0.005	16
CT013 935.0 R	28	6	30	<1	<0.005	18
CT013 940.0 R	18	4	34	<1	<0.005	20
CT013 945.0 R	20	8	42	<1	<0.005	20
CT013 950.0 R	24	8	36	<1	<0.005	12
CT013 955.0 R	14	4	38	<1	<0.005	14
CT013 960.0 R	28	12	70	<1	<0.005	24
CT013 965.0 R	22	20	75	<1	<0.005	16
CT013 970.0 R	26	8	90	<1	<0.005	14
CT013 975.0 R	24	4	75	<1	<0.005	10
CT013 980.0 R	28	26	60	<1	<0.005	9
CT013 985.0 R	16	8	40	<1	<0.005	7
CT013 990.0 R	16	6	38	<1	<0.005	10
CT013 995.0 R	18	6	32	<1	<0.005	6
CT013 1000.0 R	26	6	32	<1	<0.005	9

Method of Analysis : Cu Pb Zn : AAS1
Ag : AAS3
Au : AAS5B
As : XRF1

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office an
Central Laborat
305 SOUTH ROA
MILE END SOU
STH. AUST. 500
TEL.: (08) 43 57
TELEX: AA8932

NATA REGISTERED No. 1526

OUR REF.: COM 832490

YOUR REF.: Order No. 8390

0065

Mr. D. Jarvis,
Utah Development Co.,
186 Main Road,
BLACKWOOD SA 5051,

30.11.83

Dear Doug,

RE: JOB COM 832490

Enclosed are the assays for the samples delivered to our laboratory on the 9th November 1983.

Yours sincerely,
COMLABS PTY LTD

per :

c.c.: BRISBANE

Queensland Preparation Laboratory: 172 Lavarack Ave., Eagle Farm, Queensland. 4007 Tel.: (07) 268 4748
Western Australia Preparation Laboratory: 52 Fairbrother St., Belmont, W.A. 6104 Tel.: (09) 47 81336
Northern Territory Preparation Laboratory: 3 Bishop Street, Darwin. N.T. 5790 Tel.: (089) 81 3961

ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0066

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT015 0.0 R	18	24	44	<1	<0.005	6
CT015 1050.0 R	18	24	46	<1	<0.005	8
CT015 1060.0 R	18	24	48	<1	<0.005	5
CT015 1090.0 R	18	24	48	<1	<0.005	9
CT015 1100.0 R	16	24	36	<1	<0.005	7
CT015 1120.0 R	16	24	44	<1	<0.005	7
CT015 1180.0 R	14	24	30	<1	<0.005	8

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0067

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT015 1210.0 R	14	22	34	<1	<0.005	10
CT015 1250.0 R	16	22	44	<1	<0.005	8
CT015 1260.0 R	14	22	42	<1	<0.005	7
CT016 0.0 R	18	26	80	<1	<0.005	6
CT016 5.0 R	16	26	80	<1	<0.005	2
CT016 10.0 R	20	32	70	<1	<0.005	6
CT016 15.0 R	20	26	70	<1	<0.005	6
CT016 20.0 R	22	30	85	<1	<0.005	5
CT016 25.0 R	20	24	80	<1	<0.005	3
CT016 30.0 R	22	30	75	<1	<0.005	5
CT016 35.0 R	20	30	60	<1	<0.005	6
CT016 40.0 R	18	24	75	<1	<0.005	7
CT016 45.0 R	14	26	65	<1	<0.005	8
CT016 50.0 R	24	26	85	<1	<0.005	7
CT016 55.0 R	16	22	75	<1	<0.005	9
CT016 60.0 R	20	24	80	<1	<0.005	5
CT016 65.0 R	22	24	85	<1	<0.005	7
CT016 70.0 R	20	22	80	<1	<0.005	4
CT016 75.0 R	42	26	100	<1	<0.005	10
CT016 80.0 R	16	16	80	<1	<0.005	3
CT016 85.0 R	24	28	85	<1	<0.005	6
CT016 90.0 R	18	24	90	<1	<0.005	4
CT016 95.0 R	22	30	75	<1	<0.005	7
CT016 100.0 R	16	22	60	<1	<0.005	10
CT016 105.0 R	20	30	70	<1	<0.005	10

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ANALYTICAL REPORT

JOI COM832490 O/N : 8390

0068

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 110.0 R	26	20	75	<1	<0.005	10
CT016 115.0 R	16	22	80	<1	<0.005	7
CT016 120.0 R	16	22	70	<1	<0.005	8
CT016 125.0 R	16	20	80	<1	<0.005	6
CT016 130.0 R	16	10	75	<1	<0.005	2
CT016 135.0 R	16	32	75	<1	<0.005	7
CT016 140.0 R	14	22	75	<1	<0.005	12
CT016 145.0 R	16	26	85	<1	<0.005	8
CT016 150.0 R	28	42	130	<1	<0.005	9
CT016 155.0 R	36	32	80	<1	<0.005	12
CT016 160.0 R	16	28	80	<1	<0.005	5
CT016 165.0 R	16	20	75	<1	<0.005	8
CT016 170.0 R	20	16	65	<1	<0.005	6
CT016 175.0 R	16	20	55	<1	<0.005	3
CT016 180.0 R	22	26	75	<1	<0.005	12
CT016 185.0 R	34	28	75	<1	<0.005	<2
CT016 190.0 R	26	26	80	<1	<0.005	8
CT016 195.0 R	24	34	80	<1	<0.005	10
CT016 200.0 R	20	16	60	<1	<0.005	<2
CT016 205.0 R	20	22	80	<1	<0.005	7
CT016 210.0 R	22	22	70	<1	<0.005	<2
CT016 215.0 R	24	30	90	<1	<0.005	2
CT016 220.0 R	22	28	85	<1	<0.005	5
CT016 225.0 R	22	16	95	<1	<0.005	14
CT016 230.0 R	26	38	80	<1	<0.005	6

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ANALYTICAL REPORT

JOB COM832490 C/N : 8390 0069

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT016	235.0 R	22	42	85	<1	<0.005	12
CT016	240.0 R	20	18	90	<1	<0.005	8
CT016	245.0 R	24	32	85	<1	<0.005	6
CT016	250.0 R	16	18	75	<1	<0.005	7
CT016	255.0 R	20	14	80	<1	<0.005	12
CT016	260.0 R	20	18	60	<1	<0.005	9
CT016	265.0 R	20	14	48	<1	<0.005	9
CT016	270.0 R	20	16	75	<1	<0.005	12
CT016	275.0 R	20	48	75	<1	<0.005	10
CT016	280.0 R	20	28	60	<1	<0.005	8
CT016	285.0 R	34	18	70	<1	<0.005	16
CT016	290.0 R	30	16	60	<1	<0.005	14
CT016	295.0 R	20	14	70	<1	<0.005	16
CT016	300.0 R	28	10	70	<1	<0.005	12
CT016	305.0 R	150	30	60	<1	<0.005	2
CT016	310.0 R	28	22	60	<1	<0.005	12
CT016	315.0 R	26	20	46	<1	<0.005	12
CT016	320.0 R	24	6	80	<1	<0.005	16
CT016	325.0 R	28	10	65	<1	<0.005	16
CT016	330.0 R	28	8	75	<1	<0.005	16
CT016	335.0 R	26	12	70	<1	<0.005	12
CT016	340.0 R	26	20	60	<1	<0.005	18
CT016	345.0 R	60	24	50	<1	<0.005	16
CT016	350.0 R	26	20	38	<1	<0.005	10
CT016	355.0 R	26	16	65	<1	<0.005	20

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ANALYTICAL REPORT

JOB CON832490 O/N : 8390

0070

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 360.0 R	26	16	50	<1	<0.005	16
CT016 365.0 R	22	18	50	<1	<0.005	12
CT016 370.0 R	16	26	34	<1	<0.005	14
CT016 375.0 R	26	14	50	<1	<0.005	10
CT016 380.0 R	28	18	60	<1	<0.005	14
CT016 385.0 R	26	12	65	<1	<0.005	12
CT016 390.0 R	30	14	65	<1	<0.005	18
CT016 395.0 R	55	22	46	<1	<0.005	18
CT016 400.0 R	24	10	60	<1	<0.005	9
CT016 405.0 R	28	10	60	<1	<0.005	18
CT016 410.0 R	36	12	60	<1	<0.005	28
CT016 415.0 R	26	16	38	<1	<0.005	7
CT016 420.0 R	24	22	44	<1	<0.005	5
CT016 425.0 R	20	14	60	<1	<0.005	9
CT016 430.0 R	28	32	60	<1	<0.005	14
CT016 435.0 R	32	12	80	<1	<0.005	7
CT016 440.0 R	60	70	170	<1	<0.005	12
CT016 445.0 R	24	42	75	<1	<0.005	8
CT016 450.0 R	26	30	95	<1	<0.005	9
CT016 455.0 R	26	40	100	<1	<0.005	9
CT016 460.0 R	38	36	70	<1	<0.005	5
CT016 465.0 R	30	22	95	<1	<0.005	9
CT016 470.0 R	24	44	85	<1	<0.005	12
CT016 475.0 R	28	18	80	<1	<0.005	8
CT016 480.0 R	28	26	80	<1	<0.005	8

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ANALYTICAL REPORT

0071

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 485.0 R	22	12	85	<1	<0.005	9
CT016 490.0 R	38	22	80	<1	<0.005	9
CT016 495.0 R	30	36	80	<1	<0.005	10
CT016 500.0 R	36	38	80	<1	<0.005	6
CT016 505.0 R	36	46	80	<1	<0.005	5
CT016 510.0 R	26	36	60	<1	<0.005	5
CT016 515.0 R	24	50	80	<1	<0.005	6
CT016 520.0 R	24	18	90	<1	<0.005	10
CT016 525.0 R	22	14	100	<1	<0.005	12
CT016 530.0 R	28	14	100	<1	<0.005	3
CT016 535.0 R	32	48	60	<1	<0.005	6
CT016 540.0 R	24	28	70	<1	<0.005	6
CT016 545.0 R	36	16	80	<1	<0.005	12
CT016 550.0 R	30	18	60	<1	<0.005	14
CT016 555.0 R	20	14	50	<1	<0.005	6
CT016 560.0 R	28	16	70	<1	<0.005	10
CT016 565.0 R	26	16	90	<1	<0.005	6
CT016 570.0 R	20	12	70	<1	<0.005	9
CT016 575.0 R	26	16	60	<1	<0.005	10
CT016 580.0 R	40	22	135	<1	<0.005	6
CT016 585.0 R	26	10	70	<1	<0.005	10
CT016 590.0 R	22	12	80	<1	<0.005	7
CT016 595.0 R	18	12	60	<1	<0.005	14
CT016 600.0 R	20	6	80	<1	<0.005	8
CT016 605.0 R	20	6	85	<1	<0.005	6

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ANALYTICAL REPORT

0072

JOB COM832490 O/K : 8390

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT016	610.0 R	16	6	70	<1	<0.005	14
CT016	615.0 R	22	<4	100	<1	<0.005	12
CT016	620.0 R	34	8	100	<1	<0.005	18
CT016	625.0 R	16	4	85	<1	<0.005	12
CT016	630.0 R	20	10	60	<1	<0.005	12
CT016	635.0 R	20	8	70	<1	<0.005	12
CT016	640.0 R	18	10	48	<1	<0.005	8
CT016	645.0 R	18	8	48	<1	<0.005	9
CT016	650.0 R	20	4	60	<1	<0.005	18
CT016	655.0 R	22	10	120	<1	<0.005	16
CT016	660.0 R	20	4	160	<1	<0.005	12
CT016	665.0 R	32	18	170	<1	<0.005	12
CT016	670.0 R	38	28	180	<1	<0.005	12
CT016	675.0 R	20	4	180	<1	<0.005	12
CT016	680.0 R	22	8	170	<1	<0.005	22
CT016	685.0 R	24	6	60	<1	<0.005	22
CT016	690.0 R	26	4	70	<1	<0.005	8
CT016	695.0 R	44	10	70	<1	<0.005	3
CT016	700.0 R	14	8	60	<1	<0.005	10
CT016	705.0 R	18	14	60	<1	<0.005	5
CT016	710.0 R	16	12	60	<1	<0.005	7
CT016	715.0 R	16	10	46	<1	<0.005	6
CT016	720.0 R	12	<4	44	<1	<0.005	16
CT016	725.0 R	12	<4	38	<1	<0.005	12
CT016	730.0 R	14	<4	42	<1	<0.005	10

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0073

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 735.0 R	14	6	60	<1	<0.005	10
CT016 740.0 R	12	4	44	<1	<0.005	14
CT016 745.0 R	10	8	48	<1	<0.005	22
CT016 750.0 R	14	4	50	<1	<0.005	28
CT016 755.0 R	16	18	105	<1	<0.005	18
CT016 760.0 R	14	10	125	<1	<0.005	12
CT016 765.0 R	22	10	95	<1	<0.005	16
CT016 770.0 R	18	16	100	<1	<0.005	12
CT016 775.0 R	12	<4	85	<1	<0.005	16
CT016 780.0 R	14	8	90	<1	<0.005	14
CT016 785.0 R	12	6	60	<1	<0.005	8
CT016 790.0 R	14	6	60	<1	<0.005	14
CT016 795.0 R	18	8	48	<1	<0.005	36
CT016 800.0 R	12	8	28	<1	<0.005	28
CT016 805.0 R	16	10	34	<1	<0.005	28
CT016 810.0 R	16	10	38	<1	<0.005	16
CT016 815.0 R	12	12	50	<1	<0.005	20
CT016 820.0 R	12	8	42	<1	<0.005	14
CT016 825.0 R	16	6	36	<1	<0.005	20
CT016 830.0 R	12	6	24	<1	<0.005	55
CT016 835.0 R	14	4	20	<1	<0.005	26
CT016 840.0 R	14	4	36	<1	<0.005	16
CT016 845.0 R	16	8	40	<1	<0.005	12
CT016 850.0 R	18	36	48	<1	<0.005	10
CT016 855.0 R	18	18	48	<1	<0.005	12

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ANALYTICAL REPORT

0074

JOB COM832490 O/R : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 860.0 R	18	16	46	<1	<0.005	10
CT016 865.0 R	18	22	50	<1	<0.005	9
CT016 870.0 R	34	30	120	1	<0.005	7
CT016 875.0 R	14	14	50	1	<0.005	10
CT016 880.0 R	50	22	70	<1	<0.005	9
CT016 885.0 R	16	24	48	<1	<0.005	9
CT016 890.0 R	12	16	70	<1	<0.005	10
CT016 895.0 R	10	14	55	<1	<0.005	14
CT016 900.0 R	20	22	140	<1	<0.005	12
CT016 905.0 R	18	14	50	<1	<0.005	16
CT016 910.0 R	16	12	70	<1	<0.005	16
CT016 915.0 R	20	8	34	<1	<0.005	16
CT016 920.0 R	22	10	14	<1	<0.005	20
CT016 925.0 R	18	8	26	<1	<0.005	14
CT016 930.0 R	28	10	38	<1	<0.005	12
CT016 935.0 R	24	24	70	<1	<0.005	12
CT016 940.0 R	20	32	70	<1	<0.005	10
CT016 945.0 R	20	30	70	<1	<0.005	10
CT016 950.0 R	26	20	60	<1	<0.005	10
CT016 955.0 R	18	18	48	<1	<0.005	9
CT016 960.0 R	18	16	46	<1	<0.005	10
CT016 965.0 R	18	18	50	<1	<0.005	6
CT016 970.0 R	20	18	60	<1	<0.005	7
CT016 975.0 R	18	8	48	<1	<0.005	10
CT016 980.0 R	14	<4	32	<1	<0.005	18

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ANALYTICAL REPORT

0075

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 985.0 R	16	4	18	<1	<0.005	22
CT016 990.0 R	22	<4	24	<1	<0.005	14
CT016 995.0 R	26	6	40	<1	<0.005	18
CT016 1000.0 R	24	6	44	<1	<0.005	14
CT016 1005.0 R	18	8	30	<1	<0.005	20
CT016 1010.0 R	18	6	28	<1	<0.005	24
CT016 1015.0 R	10	<4	28	<1	<0.005	28
CT016 1020.0 R	10	<4	65	<1	<0.005	30
CT016 1025.0 R	14	<4	65	<1	<0.005	12
CT016 1030.0 R	20	<4	60	<1	<0.005	26
CT016 1035.0 R	20	6	60	<1	<0.005	12
CT016 1040.0 R	24	4	50	<1	<0.005	12
CT016 1045.0 R	22	8	50	<1	<0.005	4
CT016 1050.0 R	32	10	50	<1	<0.005	5
CT016 1055.0 R	30	10	55	<1	<0.005	10
CT016 1060.0 R	24	10	55	<1	<0.005	8
CT016 1065.0 R	28	12	70	<1	<0.005	8
CT016 1070.0 R	30	10	70	<1	<0.005	7
CT016 1075.0 R	28	6	85	<1	<0.005	7
CT016 1080.0 R	28	12	90	<1	<0.005	9
CT016 1085.0 R	26	14	105	<1	<0.005	6
CT016 1090.0 R	24	18	80	<1	<0.005	7
CT016 1095.0 R	24	18	80	<1	<0.005	7
CT016 1100.0 R	28	22	85	<1	<0.005	7
CT016 1105.0 R	26	20	75	<1	<0.005	8

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0076

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 1110.0 R	22	22	50	<1	<0.005	10
CT016 1115.0 R	32	20	90	<1	<0.005	10
CT016 1120.0 R	22	24	60	<1	<0.005	7
CT016 1125.0 R	30	46	60	<1	<0.005	14
CT016 1130.0 R	32	34	60	<1	<0.005	10
CT016 1135.0 R	28	16	75	<1	<0.005	6
CT016 1140.0 R	24	20	60	<1	<0.005	9
CT016 1145.0 R	26	18	60	<1	<0.005	5
CT016 1150.0 R	26	26	60	<1	<0.005	5
CT016 1155.0 R	22	20	60	<1	<0.005	9
CT016 1160.0 R	26	22	48	<1	<0.005	8
CT016 1165.0 R	28	14	50	<1	<0.005	8
CT016 1170.0 R	20	8	34	<1	<0.005	12
CT016 1175.0 R	16	24	55	<1	<0.005	10
CT016 1180.0 R	28	20	55	<1	<0.005	9
CT016 1185.0 R	40	18	80	<1	<0.005	9
CT016 1190.0 R	28	18	140	<1	<0.005	12
CT016 1195.0 R	32	16	75	<1	<0.005	16
CT016 1200.0 R	26	6	60	<1	<0.005	14
CT016 1205.0 R	46	6	150	<1	<0.005	12
CT016 1210.0 R	55	<4	160	<1	<0.005	8
CT016 1215.0 R	28	4	22	<1	<0.005	8
CT016 1220.0 R	20	<4	14	<1	<0.005	4
CT016 1225.0 R	24	6	18	<1	<0.005	7
CT016 1230.0 R	20	24	10	<1	<0.005	<2

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ANALYTICAL REPORT

0077

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 1235.0 R	12	<4	10	<1	<0.005	2
CT016 1240.0 R	60	18	240	<1	<0.005	12
CT016 1245.0 R	28	18	150	<1	<0.005	6
CT016 1250.0 R	38	12	24	<1	<0.005	14
CT016 1255.0 R	36	12	150	<1	<0.005	7
CT016 1260.0 R	50	30	50	<1	<0.005	9
CT016 1265.0 R	30	16	80	<1	<0.005	10
CT016 1270.0 R	34	20	80	<1	<0.005	6
CT016 1275.0 R	24	6	60	<1	<0.005	12
CT016 1280.0 R	28	20	60	<1	<0.005	16
CT016 1285.0 R	38	16	65	<1	<0.005	9
CT016 1290.0 R	32	16	55	<1	<0.005	14
CT016 1295.0 R	30	8	60	<1	<0.005	18
CT016 1300.0 R	26	8	70	<1	<0.005	10
CT016 1305.0 R	36	8	70	<1	<0.005	9
CT016 1310.0 R	32	8	60	<1	<0.005	6
CT016 1315.0 R	28	6	44	<1	<0.005	7
CT016 1320.0 R	24	<4	42	<1	<0.005	6
CT016 1325.0 R	22	<4	60	<1	<0.005	6
CT016 1330.0 R	28	<4	44	<1	<0.005	10
CT016 1335.0 R	28	6	50	<1	<0.005	14
CT016 1340.0 R	26	6	55	<1	<0.005	14
CT016 1345.0 R	24	6	50	<1	<0.005	6
CT016 1350.0 R	40	<4	60	<1	<0.005	4
CT016 1355.0 R	34	4	60	<1	<0.005	12

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390

0078

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 1360.0 R	46	8	80	<1	<0.005	16
CT016 1365.0 R	32	<4	70	<1	<0.005	14
CT016 1370.0 R	28	6	46	<1	<0.005	16
CT016 1375.0 R	30	6	48	<1	<0.005	12
CT016 1380.0 R	28	6	44	<1	<0.005	12
CT016 1385.0 R	36	6	40	<1	<0.005	10
CT016 1390.0 R	36	6	50	<1	<0.005	12
CT016 1395.0 R	28	8	48	<1	<0.005	7
CT016 1400.0 R	34	6	32	<1	<0.005	12
CT016 1405.0 R	30	8	36	<1	<0.005	14
CT016 1410.0 R	32	4	32	<1	<0.005	7
CT016 1415.0 R	34	<4	18	<1	<0.005	20
CT016 1420.0 R	50	<4	18	<1	<0.005	28
CT016 1425.0 R	46	<4	14	<1	<0.005	26
CT016 1430.0 R	40	<4	14	<1	<0.005	24
CT016 1435.0 R	32	<4	16	<1	<0.005	18
CT016 1440.0 R	36	<4	26	<1	<0.005	16
CT016 1445.0 R	80	<4	28	<1	<0.005	32
CT016 1450.0 R	40	6	24	<1	<0.005	20
CT016 1455.0 R	60	<4	16	<1	<0.005	32
CT016 1460.0 R	38	6	14	<1	<0.005	34
CT016 1465.0 R	30	6	16	<1	<0.005	26
CT016 1470.0 R	30	6	20	<1	<0.005	20
CT016 1475.0 R	36	12	24	<1	<0.005	18
CT016 1480.0 R	38	<4	8	<1	<0.005	32

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390

0079

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 1485.0 R	34	4	18	<1	<0.005	20
CT016 1490.0 R	32	<4	16	<1	<0.005	28
CT016 1495.0 R	38	<4	14	<1	<0.005	26
CT016 1500.0 R	46	<4	10	<1	<0.005	36
CT016 1505.0 R	230	<4	10	<1	<0.005	50
CT016 1510.0 R	48	6	10	<1	<0.005	38
CT016 1515.0 R	50	4	8	<1	<0.005	40
CT016 1520.0 R	36	4	12	<1	<0.005	26
CT016 1525.0 R	24	8	20	<1	<0.005	12
CT016 1530.0 R	28	6	16	<1	<0.005	18
CT016 1535.0 R	36	8	20	<1	<0.005	16
CT016 1540.0 R	46	8	26	<1	<0.005	10
CT016 1545.0 R	40	4	18	<1	<0.005	16
CT016 1550.0 R	50	6	18	<1	<0.005	24
CT016 1555.0 R	40	<4	10	<1	<0.005	20
CT016 1560.0 R	42	6	20	<1	<0.005	20
CT016 1565.0 R	32	4	18	<1	<0.005	20
CT016 1570.0 R	34	<4	20	<1	<0.005	16
CT016 1575.0 R	42	<4	28	<1	<0.005	14
CT016 1580.0 R	32	<4	38	<1	<0.005	12
CT016 1585.0 R	48	<4	55	<1	<0.005	10
CT016 1590.0 R	36	6	90	<1	<0.005	14
CT016 1595.0 R	34	<4	38	<1	<0.005	14
CT016 1600.0 R	50	<4	32	<1	<0.005	12
CT016 1605.0 R	60	<4	34	<1	<0.005	18

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390

0080

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 1610.0 R	38	<4	30	<1	<0.005	12
CT016 1615.0 R	40	<4	60	<1	<0.005	14
CT016 1620.0 R	34	8	50	<1	<0.005	16
CT016 1625.0 R	44	4	60	<1	<0.005	10
CT016 1630.0 R	36	6	50	<1	<0.005	12
CT016 1635.0 R	20	10	50	<1	<0.005	12
CT016 1640.0 R	28	8	70	<1	<0.005	12
CT016 1645.0 R	22	12	70	<1	<0.005	10
CT016 1650.0 R	28	10	90	<1	<0.005	8
CT016 1655.0 R	28	10	80	<1	<0.005	10
CT016 1660.0 R	28	14	95	<1	<0.005	10
CT016 1665.0 R	26	14	80	<1	<0.005	14
CT016 1670.0 R	42	10	90	<1	<0.005	8
CT016 1675.0 R	36	14	85	<1	<0.005	6
CT016 1680.0 R	28	12	70	<1	<0.005	9
CT016 1685.0 R	30	18	90	<1	<0.005	8
CT016 1690.0 R	28	28	80	<1	<0.005	10
CT016 1695.0 R	26	30	85	<1	<0.005	10
CT016 1700.0 R	26	28	70	<1	<0.005	10
CT016 1705.0 R	34	30	80	<1	<0.005	9
CT016 1710.0 R	30	34	90	<1	<0.005	9
CT016 1715.0 R	36	30	80	<1	<0.005	8
CT016 1720.0 R	26	26	80	<1	<0.005	12
CT016 1725.0 R	26	22	80	<1	<0.005	10
CT016 1730.0 R	26	24	60	<1	<0.005	10

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0081

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 1735.0 R	32	30	60	<1	<0.005	14
CT016 1740.0 R	28	28	70	<1	<0.005	14
CT016 1745.0 R	24	24	80	<1	<0.005	12
CT016 1750.0 R	26	30	70	<1	<0.005	10
CT016 1755.0 R	20	24	70	<1	<0.005	14
CT016 1760.0 R	26	30	80	<1	<0.005	10
CT016 1765.0 R	28	26	80	<1	<0.005	10
CT016 1770.0 R	26	30	100	<1	<0.005	9
CT016 1775.0 R	34	18	70	<1	<0.005	10
CT016 1780.0 R	30	20	80	<1	<0.005	10
CT016 1785.0 R	26	26	75	<1	<0.005	7
CT016 1790.0 R	30	20	80	<1	<0.005	8
CT016 1795.0 R	30	22	80	<1	<0.005	10
CT016 1800.0 R	28	22	90	<1	<0.005	9
CT016 1805.0 R	36	24	85	<1	<0.005	6
CT016 1810.0 R	32	14	90	<1	<0.005	10
CT016 1815.0 R	30	20	80	<1	<0.005	10
CT016 1820.0 R	24	20	100	<1	<0.005	10
CT016 1825.0 R	24	20	70	<1	<0.005	20
CT016 1830.0 R	46	28	60	<1	<0.005	4
CT016 1835.0 R	32	16	80	<1	<0.005	10
CT016 1840.0 R	34	20	80	<1	<0.005	12
CT016 1845.0 R	28	20	80	<1	<0.005	5
CT016 1850.0 R	34	10	90	<1	<0.005	9
CT016 1855.0 R	30	8	100	<1	<0.005	14

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0082

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 1860.0 R	24	22	100	<1	<0.005	12
CT016 1865.0 R	20	12	80	<1	<0.005	10
CT016 1870.0 R	26	6	70	<1	<0.005	12
CT016 1875.0 R	28	20	80	<1	<0.005	10
CT016 1880.0 R	32	12	70	<1	<0.005	10
CT016 1885.0 R	30	24	60	<1	<0.005	12
CT016 1890.0 R	26	20	70	<1	<0.005	8
CT016 1895.0 R	20	16	70	<1	<0.005	7
CT016 1900.0 R	20	12	60	<1	<0.005	12
CT016 1905.0 R	18	14	80	<1	<0.005	16
CT016 1910.0 R	18	22	70	<1	<0.005	12
CT016 1915.0 R	28	24	70	<1	<0.005	10
CT016 1920.0 R	34	20	70	<1	<0.005	18
CT016 1925.0 R	24	16	50	<1	<0.005	10
CT016 1930.0 R	28	16	80	<1	<0.005	10
CT016 1935.0 R	24	20	80	<1	<0.005	10
CT016 1940.0 R	34	32	60	<1	<0.005	14
CT016 1945.0 R	24	16	70	<1	<0.005	9
CT016 1975.0 R	26	20	60	<1	<0.005	12
CT016 1980.0 R	26	22	70	<1	<0.005	16
CT016 1985.0 R	24	24	70	<1	<0.005	14
CT016 1990.0 R	22	42	70	<1	<0.005	12
CT016 1995.0 R	26	24	70	<1	<0.005	20
CT016 2000.0 R	26	18	70	<1	<0.005	10
CT016 2010.0 R	26	24	70	<1	<0.005	10

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ANALYTICAL REPORT

JOB: COM832490 O/N : 8390

0083

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 2015.0 R	28	38	70	<1	<0.005	6
CT016 2020.0 R	24	20	38	<1	<0.005	9
CT016 2025.0 R	34	26	60	<1	<0.005	16
CT016 2030.0 R	18	22	50	<1	<0.005	12
CT016 2035.0 R	18	16	46	<1	<0.005	12
CT016 2040.0 R	24	10	34	<1	<0.005	18
CT016 2045.0 R	18	22	55	<1	<0.005	12
CT016 2050.0 R	16	24	48	<1	<0.005	10
CT016 2055.0 R	18	16	44	<1	<0.005	12
CT016 2060.0 R	16	14	60	<1	<0.005	12
CT016 2065.0 R	18	26	48	<1	<0.005	12
CT016 2070.0 R	18	10	50	<1	<0.005	16
CT016 2075.0 R	22	12	60	<1	<0.005	10
CT016 2080.0 R	50	16	70	<1	<0.005	12
CT016 2085.0 R	22	30	65	<1	<0.005	16
CT016 2090.0 R	28	20	38	<1	<0.005	18
CT016 2095.0 R	20	28	50	<1	<0.005	12
CT016 2100.0 R	30	16	32	<1	<0.005	18
CT016 2105.0 R	20	24	50	<1	<0.005	14
CT016 2110.0 R	20	28	48	<1	<0.005	10
CT016 2115.0 R	20	26	48	<1	<0.005	10
CT016 2125.0 R	20	20	44	<1	<0.005	10
CT016 2130.0 R	22	28	40	<1	<0.005	16
CT016 2135.0 R	24	14	90	<1	<0.005	10
CT016 2140.0 R	18	14	48	<1	<0.005	12

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390

0084

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT016 2145.0 R	18	16	60	<1	<0.005	9
CT016 2150.0 R	18	14	48	<1	<0.005	10
CT016 2155.0 R	16	14	48	<1	<0.005	14
CT016 2160.0 R	26	12	48	<1	<0.005	9
CT016 2165.0 R	60	60	125	<1	<0.005	24
CT016 2170.0 R	26	14	95	<1	<0.005	18
CT016 2175.0 R	26	18	160	<1	<0.005	18
CT016 2180.0 R	24	28	80	<1	<0.005	26
CT016 2185.0 R	22	14	60	<1	<0.005	14
CT016 2190.0 R	26	10	70	<1	<0.005	5
CT016 2195.0 R	18	10	70	<1	<0.005	9
CT016 2200.0 R	20	8	70	<1	<0.005	<2
CT018 0.0 R	38	14	70	<1	<0.005	7
CT018 5.0 R	30	16	80	<1	<0.005	3
CT018 10.0 R	28	16	70	<1	<0.005	4
CT018 15.0 R	36	32	80	<1	<0.005	9
CT018 20.0 R	28	16	80	<1	<0.005	5
CT018 25.0 R	24	10	70	<1	<0.005	<2
CT018 30.0 R	28	16	70	<1	<0.005	5
CT018 35.0 R	30	18	70	<1	<0.005	7
CT018 40.0 R	28	18	70	<1	<0.005	10
CT018 45.0 R	28	18	70	<1	<0.005	5
CT018 50.0 R	38	14	60	<1	<0.005	7
CT018 55.0 R	26	20	70	<1	<0.005	3
CT018 60.0 R	30	20	60	<1	<0.005	12

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390

Results in ppm

0085

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018	65.0 R	36	22	80	<1	<0.005	6
CT018	70.0 R	42	22	80	<1	<0.005	10
CT018	75.0 R	32	20	80	<1	<0.005	8
CT018	80.0 R	28	24	75	<1	<0.005	6
CT018	85.0 R	34	26	70	<1	<0.005	5
CT018	90.0 R	36	30	70	<1	<0.005	5
CT018	95.0 R	40	24	80	<1	<0.005	6
CT018	100.0 R	34	22	80	<1	<0.005	4
CT018	105.0 R	28	18	80	<1	<0.005	7
CT018	110.0 R	32	18	80	<1	<0.005	10
CT018	115.0 R	30	20	85	<1	<0.005	6
CT018	120.0 R	30	16	70	<1	<0.005	10
CT018	125.0 R	30	16	80	<1	<0.005	16
CT018	130.0 R	24	34	100	<1	<0.005	12
CT018	135.0 R	36	28	60	<1	<0.005	22
CT018	140.0 R	42	36	90	<1	<0.005	16
CT018	145.0 R	42	30	90	<1	<0.005	18
CT018	150.0 R	36	34	90	<1	<0.005	20
CT018	155.0 R	38	20	100	<1	<0.005	14
CT018	160.0 R	36	20	70	<1	<0.005	18
CT018	175.0 R	20	10	60	<1	<0.005	30
CT018	180.0 R	12	8	100	<1	<0.005	20
CT018	185.0 R	24	8	60	<1	<0.005	22
CT018	190.0 R	20	8	90	<1	<0.005	22
CT018	195.0 R	34	4	70	<1	<0.005	20

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390

Results in ppm

0086

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 200.0 R	42	4	30	<1	<0.005	24
CT018 205.0 R	30	6	50	<1	<0.005	28
CT018 210.0 R	28	8	55	<1	<0.005	30
CT018 215.0 R	30	6	75	<1	<0.005	30
CT018 220.0 R	26	4	60	<1	<0.005	34
CT018 225.0 R	34	6	50	<1	<0.005	34
CT018 230.0 R	42	10	40	<1	<0.005	20
CT018 235.0 R	44	8	26	<1	<0.005	22
CT018 240.0 R	34	22	38	<1	<0.005	16
CT018 245.0 R	32	18	90	<1	<0.005	10
CT018 250.0 R	32	16	140	<1	<0.005	12
CT018 255.0 R	28	20	80	<1	<0.005	8
CT018 260.0 R	28	16	80	<1	<0.005	4
CT018 265.0 R	20	18	70	<1	<0.005	8
CT018 270.0 R	26	18	60	<1	<0.005	8
CT018 275.0 R	36	14	75	<1	<0.005	10
CT018 280.0 R	24	14	50	<1	<0.005	10
CT018 285.0 R	32	20	60	<1	<0.005	14
CT018 290.0 R	24	20	46	<1	<0.005	12
CT018 295.0 R	28	20	120	<1	<0.005	8
CT018 300.0 R	40	20	180	<1	<0.005	8
CT018 305.0 R	40	32	240	<1	<0.005	4
CT018 310.0 R	44	32	390	<1	<0.005	6
CT018 315.0 R	44	34	450	<1	<0.005	2
CT018 320.0 R	26	28	90	<1	<0.005	5

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ANALYTICAL REPORT

JOB C0118324 90 O/N : 8390

0087

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 325.0 R	32	20	70	<1	<0.005	5
CT018 330.0 R	32	28	80	<1	<0.005	7
CT018 335.0 R	26	18	70	<1	<0.005	6
CT018 340.0 R	24	28	60	<1	<0.005	8
CT018 345.0 R	22	16	70	<1	<0.005	3
CT018 350.0 R	28	12	80	<1	<0.005	7
CT018 355.0 R	30	14	80	<1	<0.005	9
CT018 360.0 R	26	16	65	<1	<0.005	7
CT018 365.0 R	28	18	200	<1	<0.005	9
CT018 370.0 R	24	18	190	<1	<0.005	7
CT018 375.0 R	34	20	150	<1	<0.005	12
CT018 380.0 R	48	26	200	<1	<0.005	4
CT018 385.0 R	50	38	370	<1	<0.005	6
CT018 390.0 R	42	24	310	<1	<0.005	10
CT018 395.0 R	36	18	180	<1	<0.005	12
CT018 400.0 R	44	22	150	<1	<0.005	10
CT018 405.0 R	32	18	80	<1	<0.005	10
CT018 410.0 R	28	20	32	<1	<0.005	4
CT018 415.0 R	28	24	50	<1	<0.005	10
CT018 420.0 R	16	22	30	<1	<0.005	14
CT018 425.0 R	34	20	90	<1	<0.005	10
CT018 430.0 R	28	12	60	<1	<0.005	12
CT018 435.0 R	34	18	65	<1	<0.005	14
CT018 440.0 R	30	18	48	<1	<0.005	10
CT018 445.0 R	36	16	70	<1	<0.005	12

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ANALYTICAL REPORT

JOB CON832490 O/E : 8390 0088

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 450.0 R	44	20	70	<1	<0.005	14
CT018 455.0 R	26	22	34	<1	<0.005	9
CT018 460.0 R	20	26	38	<1	<0.005	7
CT018 465.0 R	30	18	60	<1	<0.005	5
CT018 470.0 R	26	20	60	<1	<0.005	7
CT018 475.0 R	38	12	60	<1	<0.005	8
CT018 480.0 R	24	14	50	<1	<0.005	10
CT018 485.0 R	40	28	60	<1	<0.005	14
CT018 490.0 R	18	20	44	1	<0.005	12
CT018 495.0 R	20	20	46	1	<0.005	8
CT018 500.0 R	22	12	55	1	<0.005	12
CT018 505.0 R	16	14	50	1	<0.005	8
CT018 510.0 R	16	14	44	1	<0.005	6
CT018 515.0 R	30	14	70	1	<0.005	7
CT018 520.0 R	18	10	50	1	<0.005	5
CT018 525.0 R	18	14	50	1	<0.005	4
CT018 530.0 R	20	14	50	1	<0.005	7
CT018 535.0 R	22	8	48	1	<0.005	9
CT018 540.0 R	22	6	50	1	<0.005	10
CT018 545.0 R	32	10	60	1	<0.005	8
CT018 550.0 R	22	8	60	1	<0.005	7
CT018 555.0 R	24	10	60	1	<0.005	6
CT018 560.0 R	18	12	55	1	<0.005	5
CT018 565.0 R	28	8	75	1	<0.005	8
CT018 570.0 R	24	8	60	1	<0.005	10

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ANALYTICAL REPORT

89

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 575.0 R	26	10	75	<1	<0.005	5
CT018 580.0 R	24	8	60	1	<0.005	4
CT018 585.0 R	28	10	80	1	<0.005	6
CT018 590.0 R	22	6	55	<1	<0.005	5
CT018 595.0 R	30	10	60	1	<0.005	7
CT018 600.0 R	14	8	50	<1	<0.005	4
CT018 605.0 R	16	10	50	1	<0.005	6
CT018 610.0 R	20	18	44	1	<0.005	8
CT018 615.0 R	28	12	50	1	<0.005	6
CT018 620.0 R	36	8	80	1	<0.005	2
CT018 625.0 R	22	8	50	1	<0.005	5
CT018 630.0 R	22	12	46	1	<0.005	6
CT018 635.0 R	22	8	60	1	<0.005	7
CT018 640.0 R	22	16	65	<1	<0.005	5
CT018 645.0 R	24	16	50	<1	<0.005	9
CT018 650.0 R	24	12	60	<1	<0.005	8
CT018 655.0 R	18	12	70	<1	<0.005	8
CT018 660.0 R	20	12	60	<1	<0.005	4
CT018 665.0 R	34	10	80	<1	<0.005	<2
CT018 670.0 R	38	20	50	<1	<0.005	7
CT018 675.0 R	30	12	70	<1	<0.005	10
CT018 680.0 R	28	16	55	<1	<0.005	10
CT018 685.0 R	22	12	44	<1	<0.005	10
CT018 690.0 R	22	12	48	<1	<0.005	9
CT018 695.0 R	20	14	50	<1	<0.005	7

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ANALYTICAL REPORT

0090

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 700.0 R	20	12	70	<1	<0.005	10
CT018 705.0 R	24	16	60	<1	<0.005	12
CT018 710.0 R	28	20	46	<1	<0.005	10
CT018 715.0 R	28	12	80	<1	<0.005	12
CT018 720.0 R	22	14	55	<1	<0.005	16
CT018 725.0 R	28	12	70	<1	<0.005	12
CT018 730.0 R	20	8	70	<1	<0.005	12
CT018 735.0 R	28	12	55	<1	<0.005	10
CT018 740.0 R	26	10	60	<1	<0.005	12
CT018 745.0 R	34	12	80	<1	<0.005	5
CT018 750.0 R	22	18	55	<1	<0.005	10
CT018 755.0 R	24	10	70	<1	<0.005	10
CT018 760.0 R	20	16	40	<1	<0.005	8
CT018 765.0 R	28	10	70	<1	<0.005	14
CT018 770.0 R	24	8	80	<1	<0.005	12
CT018 775.0 R	26	12	120	<1	<0.005	18
CT018 780.0 R	24	20	90	<1	<0.005	22
CT018 785.0 R	32	18	160	<1	<0.005	18
CT018 790.0 R	40	30	130	<1	<0.005	22
CT018 795.0 R	28	12	175	<1	<0.005	18
CT018 800.0 R	50	30	230	<1	<0.005	22
CT018 805.0 R	20	14	50	<1	<0.005	10
CT018 810.0 R	18	14	50	<1	<0.005	18
CT018 815.0 R	46	20	70	<1	<0.005	12
CT018 820.0 R	50	16	105	<1	<0.005	14

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ANALYTICAL REPORT

0091

JOB COM832490 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018	825.0 R	30	12	34	<1	<0.005	18
CT018	830.0 R	36	12	42	<1	<0.005	16
CT018	835.0 R	24	12	36	<1	<0.005	16
CT018	840.0 R	26	24	44	<1	<0.005	9
CT018	845.0 R	34	16	50	<1	<0.005	9
CT018	850.0 R	36	14	70	<1	<0.005	10
CT018	855.0 R	48	18	80	<1	<0.005	10
CT018	860.0 R	38	14	70	<1	<0.005	12
CT018	865.0 R	38	6	70	<1	<0.005	12
CT018	870.0 R	32	16	60	<1	<0.005	10
CT018	875.0 R	30	60	80	<1	<0.005	12
CT018	880.0 R	26	28	75	<1	<0.005	10
CT018	885.0 R	32	20	50	<1	<0.005	10
CT018	890.0 R	38	8	60	<1	<0.005	20
CT018	895.0 R	50	8	44	<1	<0.005	12
CT018	900.0 R	30	8	42	<1	<0.005	14
CT018	905.0 R	44	6	48	<1	<0.005	12
CT018	910.0 R	38	90	55	<1	<0.005	12
CT018	915.0 R	42	<4	50	<1	<0.005	10
CT018	920.0 R	18	8	32	<1	<0.005	12
CT018	925.0 R	16	12	46	<1	<0.005	12
CT018	930.0 R	16	6	34	<1	<0.005	14
CT018	935.0 R	20	70	70	<1	<0.005	20
CT018	940.0 R	18	8	55	<1	<0.005	14
CT018	945.0 R	18	8	50	<1	<0.005	9

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ANALYTICAL REPORT

0092

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 950.0 R	20	8	50	<1	<0.005	10
CT018 955.0 R	16	8	42	<1	<0.005	10
CT018 960.0 R	14	6	30	<1	<0.005	10
CT018 965.0 R	18	6	40	<1	<0.005	10
CT018 970.0 R	20	6	42	<1	<0.005	10
CT018 975.0 R	18	8	38	<1	<0.005	6
CT018 980.0 R	18	6	34	<1	<0.005	10
CT018 985.0 R	22	8	46	<1	<0.005	10
CT018 990.0 R	20	10	38	<1	<0.005	9
CT018 995.0 R	16	6	34	<1	<0.005	8
CT018 1000.0 R	16	8	48	<1	<0.005	10
CT018 1005.0 R	18	8	48	<1	<0.005	7
CT018 1010.0 R	18	8	46	<1	<0.005	9
CT018 1015.0 R	18	8	44	<1	<0.005	10
CT018 1020.0 R	16	6	44	<1	<0.005	9
CT018 1025.0 R	16	4	44	<1	<0.005	10
CT018 1030.0 R	20	10	55	<1	<0.005	8
CT018 1035.0 R	18	10	48	<1	<0.005	8
CT018 1040.0 R	24	18	55	<1	<0.005	9
CT018 1045.0 R	24	14	60	<1	<0.005	9
CT018 1050.0 R	16	12	55	<1	<0.005	12
CT018 1055.0 R	14	10	46	<1	<0.005	10
CT018 1060.0 R	16	6	48	<1	<0.005	7
CT018 1065.0 R	18	6	46	<1	<0.005	7
CT018 1070.0 R	14	4	40	<1	<0.005	9

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ANALYTICAL REPORT

0093

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 1075.0 R	18	6	36	<1	<0.005	10
CT018 1080.0 R	18	8	46	<1	<0.005	9
CT018 1085.0 R	18	10	50	<1	<0.005	6
CT018 1090.0 R	14	28	32	1	<0.005	4
CT018 1095.0 R	28	24	65	1	<0.005	6
CT018 1100.0 R	24	20	55	1	<0.005	9
CT018 1105.0 R	26	20	50	1	<0.005	10
CT018 1110.0 R	26	24	55	1	<0.005	8
CT018 1115.0 R	22	24	50	1	<0.005	9
CT018 1120.0 R	20	26	48	<1	<0.005	12
CT018 1125.0 R	10	22	26	1	<0.005	10
CT018 1130.0 R	14	20	26	1	<0.005	6
CT018 1135.0 R	18	20	46	<1	<0.005	10
CT018 1140.0 R	36	24	50	<1	<0.005	5
CT018 1145.0 R	14	22	30	1	<0.005	10
CT018 1150.0 R	12	20	22	1	<0.005	5
CT018 1155.0 R	12	26	24	1	<0.005	4
CT018 1160.0 R	12	24	34	1	<0.005	9
CT018 1165.0 R	14	24	28	1	<0.005	5
CT018 1170.0 R	16	22	28	1	<0.005	9
CT018 1175.0 R	12	22	26	1	<0.005	8
CT018 1180.0 R	12	26	30	1	<0.005	6
CT018 1185.0 R	12	28	32	1	<0.005	3
CT018 1190.0 R	14	24	36	1	<0.005	7
CT018 1195.0 R	14	26	30	1	<0.005	6

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ANALYTICAL REPORT

0094

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT018 1200.0 R	18	24	22	1	<0.005	8
CT018 1205.0 R	32	26	32	1	<0.005	10
CT018 1210.0 R	32	24	36	1	<0.005	9
CT018 1215.0 R	26	28	34	1	<0.005	7
CT018 1220.0 R	26	30	34	1	<0.005	7
CT018 1225.0 R	16	28	32	1	<0.005	9
CT018 1230.0 R	14	22	28	1	<0.005	5
CT018 1235.0 R	14	26	26	1	<0.005	2
CT018 1240.0 R	16	28	32	1	<0.005	8
CT018 1245.0 R	14	30	26	1	<0.005	7
CT018 1250.0 R	14	22	24	1	<0.005	9
CT018 1255.0 R	26	26	48	1	<0.005	10
CT018 1260.0 R	16	30	36	1	<0.005	8
CT018 1265.0 R	16	26	34	1	<0.005	6
CT018 1270.0 R	14	24	30	1	<0.005	10
CT018 1275.0 R	16	32	28	1	<0.005	5
CT018 1280.0 R	14	26	26	1	<0.005	5
CT018 1285.0 R	18	26	30	1	<0.005	7
CT018 1290.0 R	18	24	28	1	<0.005	9
CT018 1295.0 R	20	26	32	1	<0.005	8
CT018 1300.0 R	16	24	34	1	<0.005	8
CT018 1305.0 R	16	26	28	1	<0.005	10
CT018 1310.0 R	14	24	32	1	<0.005	5
CT019 0.0 R	18	30	48	1	<0.005	7
CT019 5.0 R	14	26	36	1	<0.005	7

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ANALYTICAL REPORT

0095

JOB COM832490 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019	10.0 R	18	24	34	1	<0.005	7
CT019	15.0 R	14	22	28	1	<0.005	8
CT019	20.0 R	12	26	32	1	<0.005	5
CT019	25.0 R	12	30	32	1	<0.005	8
CT019	30.0 R	12	28	32	1	<0.005	9
CT019	35.0 R	12	26	34	1	<0.005	8
CT019	40.0 R	16	28	34	1	<0.005	6
CT019	45.0 R	14	26	38	1	<0.005	9
CT019	50.0 R	16	26	40	1	<0.005	4
CT019	55.0 R	14	22	30	1	<0.005	9
CT019	60.0 R	14	28	30	1	<0.005	6
CT019	65.0 R	12	18	32	1	<0.005	6
CT019	70.0 R	32	32	70	<1	<0.005	7
CT019	75.0 R	26	40	70	<1	<0.005	4
CT019	80.0 R	65	42	65	<1	<0.005	6
CT019	85.0 R	28	24	50	<1	<0.005	5
CT019	90.0 R	14	24	50	1	<0.005	2
CT019	95.0 R	20	18	55	<1	<0.005	6
CT019	100.0 R	14	20	75	<1	<0.005	3
CT019	105.0 R	22	22	65	<1	<0.005	4
CT019	110.0 R	18	22	65	<1	<0.005	6
CT019	115.0 R	14	22	48	1	<0.005	3
CT019	120.0 R	16	38	65	<1	<0.005	6
CT019	125.0 R	24	28	75	<1	<0.005	5
CT019	130.0 R	28	20	55	<1	<0.005	7

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ANALYTICAL REPORT

0096

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 135.0 R	22	20	55	<1	<0.005	9
CT019 140.0 R	16	22	42	<1	<0.005	6
CT019 145.0 R	10	24	48	<1	<0.005	7
CT019 150.0 R	22	22	60	<1	<0.005	9
CT019 155.0 R	36	36	70	<1	<0.005	7
CT019 160.0 R	24	20	70	<1	<0.005	7
CT019 165.0 R	20	34	60	<1	<0.005	8
CT019 170.0 R	18	26	46	<1	<0.005	10
CT019 175.0 R	28	34	65	<1	<0.005	7
CT019 180.0 R	20	26	55	<1	<0.005	6
CT019 185.0 R	20	20	65	<1	<0.005	8
CT019 190.0 R	20	18	60	<1	<0.005	7
CT019 195.0 R	16	18	65	<1	<0.005	10
CT019 200.0 R	20	24	75	<1	<0.005	8
CT019 205.0 R	28	32	70	<1	<0.005	10
CT019 210.0 R	20	30	46	1	<0.005	9
CT019 215.0 R	12	26	50	1	<0.005	<2
CT019 220.0 R	18	24	60	1	<0.005	6
CT019 225.0 R	26	22	60	1	<0.005	6
CT019 230.0 R	30	28	50	1	<0.005	6
CT019 235.0 R	22	24	65	1	<0.005	2
CT019 240.0 R	44	65	46	1	<0.005	10
CT019 245.0 R	18	22	65	1	<0.005	12
CT019 250.0 R	28	30	75	<1	<0.005	12
CT019 255.0 R	20	24	65	<1	<0.005	12

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ANALYTICAL REPORT

0097

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT019	260.0 R	18	22	65	1	<0.005	16
CT019	265.0 R	22	34	60	1	<0.005	16
CT019	270.0 R	95	60	75	<1	<0.005	12
CT019	275.0 R	20	24	70	1	<0.005	12
CT019	280.0 R	20	26	50	1	<0.005	3
CT019	285.0 R	46	38	55	1	<0.005	6
CT019	290.0 R	24	22	65	1	<0.005	7
CT019	295.0 R	20	24	65	<1	<0.005	22
CT019	300.0 R	34	22	65	<1	<0.005	20
CT019	305.0 R	24	28	65	1	<0.005	14
CT019	310.0 R	30	16	55	1	<0.005	20
CT019	315.0 R	22	16	65	<1	<0.005	12
CT019	320.0 R	24	18	65	1	<0.005	5
CT019	325.0 R	34	28	55	1	<0.005	14
CT019	330.0 R	26	30	55	1	<0.005	8
CT019	335.0 R	26	26	55	1	<0.005	6
CT019	340.0 R	16	22	55	1	<0.005	5
CT019	345.0 R	16	22	55	4	<0.005	3
CT019	350.0 R	14	22	50	14	<0.005	<2
CT019	355.0 R	18	22	55	2	<0.005	<2
CT019	360.0 R	26	30	80	<1	<0.005	5
CT019	365.0 R	20	28	90	<1	<0.005	4
CT019	370.0 R	20	26	65	<1	<0.005	4
CT019	375.0 R	18	30	70	<1	<0.005	4
CT019	380.0 R	20	26	60	<1	<0.005	5

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0098

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 385.0 R	22	24	90	<1	<0.005	6
CT019 390.0 R	22	26	60	<1	<0.005	6
CT019 395.0 R	20	28	60	<1	<0.005	4
CT019 400.0 R	22	30	110	<1	<0.005	7
CT019 405.0 R	28	24	80	<1	<0.005	7
CT019 410.0 R	20	24	50	<1	<0.005	8
CT019 415.0 R	26	24	80	<1	<0.005	2
CT019 420.0 R	22	36	65	<1	<0.005	5
CT019 425.0 R	22	26	70	<1	<0.005	7
CT019 430.0 R	24	24	70	<1	<0.005	3
CT019 435.0 R	22	28	75	<1	<0.005	5
CT019 450.0 R	22	28	60	<1	<0.005	4
CT019 455.0 R	16	24	60	<1	<0.005	6
CT019 460.0 R	20	22	65	<1	<0.005	6
CT019 465.0 R	18	26	60	<1	<0.005	7
CT019 470.0 R	20	24	60	<1	<0.005	6
CT019 475.0 R	22	24	60	<1	<0.005	7
CT019 480.0 R	22	24	60	<1	<0.005	8
CT019 485.0 R	26	24	70	<1	<0.005	9
CT019 490.0 R	32	46	85	<1	<0.005	5
CT019 495.0 R	24	32	90	<1	<0.005	3
CT019 500.0 R	20	24	80	<1	<0.005	8
CT019 505.0 R	40	36	60	<1	<0.005	10
CT019 510.0 R	20	20	65	<1	<0.005	6
CT019 515.0 R	22	22	85	<1	<0.005	12

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0099

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT019	520.0 R	18	26	80	<1	<0.005	10
CT019	525.0 R	16	20	50	<1	<0.005	8
CT019	530.0 R	16	28	60	<1	<0.005	6
CT019	535.0 R	22	28	70	<1	<0.005	14
CT019	540.0 R	20	40	60	<1	<0.005	9
CT019	545.0 R	20	24	60	<1	<0.005	12
CT019	550.0 R	46	26	60	<1	<0.005	12
CT019	555.0 R	16	24	85	<1	<0.005	12
CT019	560.0 R	46	28	80	<1	<0.005	14
CT019	565.0 R	48	26	75	<1	<0.005	12
CT019	570.0 R	28	20	75	<1	<0.005	14
CT019	575.0 R	16	20	70	<1	<0.005	10
CT019	580.0 R	30	24	80	<1	<0.005	14
CT019	585.0 R	32	30	80	<1	<0.005	14
CT019	590.0 R	24	26	80	<1	<0.005	16
CT019	595.0 R	38	24	85	<1	<0.005	16
CT019	600.0 R	26	20	90	<1	<0.005	10
CT019	605.0 R	32	26	90	<1	<0.005	9
CT019	610.0 R	32	26	80	<1	<0.005	9
CT019	615.0 R	34	55	90	<1	<0.005	18
CT019	620.0 R	38	26	95	<1	<0.005	8
CT019	625.0 R	28	28	80	<1	<0.005	10
CT019	630.0 R	30	38	85	<1	<0.005	16
CT019	635.0 R	32	40	80	<1	<0.005	9
CT019	640.0 R	26	30	80	<1	<0.005	5

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0100

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 650.0 R	20	24	50	<1	<0.005	10
CT019 655.0 R	28	28	65	<1	<0.005	12
CT019 660.0 R	28	22	90	<1	<0.005	6
CT019 665.0 R	26	20	70	<1	<0.005	7
CT019 670.0 R	24	26	70	<1	<0.005	9
CT019 675.0 R	36	28	65	<1	<0.005	18
CT019 680.0 R	34	36	100	<1	<0.005	10
CT019 685.0 R	20	24	75	<1	<0.005	12
CT019 690.0 R	26	22	75	<1	<0.005	10
CT019 695.0 R	20	22	75	<1	<0.005	8
CT019 700.0 R	26	22	80	<1	<0.005	5
CT019 705.0 R	20	22	70	<1	<0.005	10
CT019 710.0 R	26	24	65	<1	<0.005	4
CT019 715.0 R	34	32	80	<1	<0.005	16
CT019 720.0 R	30	24	70	<1	<0.005	9
CT019 725.0 R	26	28	85	<1	<0.005	9
CT019 730.0 R	28	26	190	<1	<0.005	4
CT019 735.0 R	36	38	165	<1	<0.005	9
CT019 740.0 R	34	26	80	<1	<0.005	8
CT019 745.0 R	28	24	65	<1	<0.005	8
CT019 750.0 R	26	24	65	<1	<0.005	7
CT019 755.0 R	30	34	55	<1	<0.005	3
CT019 760.0 R	26	100	48	<1	<0.005	4
CT019 765.0 R	44	30	75	<1	<0.005	4
CT019 770.0 R	34	26	95	<1	<0.005	6

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0101

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 775.0 R	26	24	75	<1	<0.005	3
CT019 780.0 R	26	26	70	<1	<0.005	4
CT019 785.0 R	22	28	60	1	<0.005	5
CT019 790.0 R	36	34	85	<1	<0.005	4
CT019 795.0 R	24	22	60	<1	<0.005	9
CT019 800.0 R	26	16	80	<1	<0.005	8
CT019 805.0 R	28	16	90	<1	<0.005	8
CT019 810.0 R	32	20	100	<1	<0.005	7
CT019 815.0 R	42	14	65	<1	<0.005	18
CT019 820.0 R	42	18	85	<1	<0.005	<2
CT019 825.0 R	22	32	40	1	<0.005	2
CT019 830.0 R	20	22	50	1	<0.005	2
CT019 835.0 R	22	24	46	1	<0.005	7
CT019 840.0 R	20	24	46	<1	<0.005	5
CT019 845.0 R	30	24	50	<1	<0.005	6
CT019 850.0 R	28	24	55	1	<0.005	4
CT019 855.0 R	36	28	100	1	<0.005	9
CT019 860.0 R	32	22	70	<1	<0.005	14
CT019 865.0 R	22	22	55	<1	<0.005	12
CT019 870.0 R	26	20	40	<1	<0.005	6
CT019 875.0 R	22	22	55	1	<0.005	8
CT019 880.0 R	22	18	44	1	<0.005	3
CT019 885.0 R	26	24	55	1	<0.005	7
CT019 890.0 R	26	22	46	1	<0.005	7
CT019 895.0 R	22	22	48	<1	<0.005	6

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ANALYTICAL REPORT

0102

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 900.0 R	26	22	60	1	<0.005	8
CT019 905.0 R	26	18	55	1	<0.005	6
CT019 910.0 R	22	18	60	1	<0.005	3
CT019 915.0 R	26	18	65	<1	<0.005	6
CT019 920.0 R	26	24	75	1	<0.005	9
CT019 925.0 R	28	20	85	1	<0.005	7
CT019 930.0 R	38	30	60	<1	<0.005	3
CT019 935.0 R	32	26	44	<1	<0.005	2
CT019 940.0 R	20	24	65	<1	<0.005	2
CT019 945.0 R	28	34	75	<1	<0.005	3
CT019 950.0 R	28	20	70	<1	<0.005	6
CT019 955.0 R	24	26	65	1	<0.005	5
CT019 960.0 R	26	20	70	1	<0.005	9
CT019 965.0 R	24	20	65	1	<0.005	6
CT019 970.0 R	24	24	55	1	<0.005	2
CT019 975.0 R	34	28	60	1	<0.005	8
CT019 980.0 R	24	26	60	1	<0.005	6
CT019 985.0 R	28	22	60	<1	<0.005	7
CT019 990.0 R	24	28	55	1	<0.005	7
CT019 995.0 R	32	32	60	1	<0.005	7
CT019 1000.0 R	32	24	70	1	<0.005	6
CT019 1005.0 R	26	24	60	1	<0.005	3
CT019 1010.0 R	26	26	55	1	<0.005	6
CT019 1015.0 R	28	28	75	1	<0.005	9
CT019 1020.0 R	48	34	60	1	<0.005	3

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ANALYTICAL REPORT

0103

JOB COM832490 O/R : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1025.0 R	55	46	55	1	<0.005	5
CT019 1030.0 R	32	26	70	1	<0.005	4
CT019 1035.0 R	26	24	55	1	<0.005	10
CT019 1040.0 R	18	28	55	1	<0.005	4
CT019 1045.0 R	20	28	50	1	<0.005	6
CT019 1050.0 R	42	28	55	1	<0.005	8
CT019 1055.0 R	20	28	46	1	<0.005	9
CT019 1060.0 R	28	26	65	<1	<0.005	7
CT019 1065.0 R	20	30	55	1	<0.005	5
CT019 1070.0 R	34	22	55	1	<0.005	6
CT019 1075.0 R	40	28	55	<1	<0.005	5
CT019 1080.0 R	26	28	65	1	<0.005	6
CT019 1085.0 R	32	32	60	1	<0.005	8
CT019 1090.0 R	30	36	55	1	<0.005	7
CT019 1095.0 R	28	28	65	1	<0.005	7
CT019 1100.0 R	28	26	65	1	<0.005	4
CT019 1105.0 R	32	26	60	1	<0.005	8
CT019 1110.0 R	32	26	60	1	<0.005	10
CT019 1115.0 R	28	32	55	1	<0.005	10
CT019 1120.0 R	26	26	60	1	<0.005	8
CT019 1125.0 R	22	20	55	<1	<0.005	8
CT019 1130.0 R	22	22	75	<1	<0.005	16
CT019 1135.0 R	18	22	60	<1	<0.005	8
CT019 1140.0 R	20	26	50	<1	<0.005	7
CT019 1145.0 R	24	28	60	<1	<0.005	10

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0104

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1150.0 R	22	22	65	<1	<0.005	6
CT019 1155.0 R	20	22	60	<1	<0.005	5
CT019 1160.0 R	24	20	80	<1	<0.005	4
CT019 1165.0 R	20	22	65	<1	<0.005	9
CT019 1170.0 R	26	18	60	<1	<0.005	10
CT019 1175.0 R	22	20	60	<1	<0.005	8
CT019 1180.0 R	20	16	55	<1	<0.005	3
CT019 1185.0 R	26	20	70	<1	<0.005	5
CT019 1190.0 R	22	18	60	<1	<0.005	10
CT019 1195.0 R	20	18	50	<1	<0.005	9
CT019 1200.0 R	22	22	55	<1	<0.005	8
CT019 1205.0 R	22	24	50	<1	<0.005	6
CT019 1210.0 R	22	22	70	<1	<0.005	8
CT019 1215.0 R	20	22	90	<1	<0.005	4
CT019 1220.0 R	14	16	46	<1	<0.005	4
CT019 1225.0 R	20	20	60	<1	<0.005	12
CT019 1230.0 R	28	26	38	<1	<0.005	8
CT019 1235.0 R	32	20	50	<1	<0.005	6
CT019 1240.0 R	20	22	50	<1	<0.005	6
CT019 1245.0 R	18	22	50	<1	<0.005	8
CT019 1250.0 R	18	22	60	<1	<0.005	5
CT019 1255.0 R	18	24	55	<1	<0.005	12
CT019 1260.0 R	20	26	50	<1	<0.005	8
CT019 1265.0 R	18	22	46	<1	<0.005	10
CT019 1270.0 R	24	20	70	<1	<0.005	12

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ANALYTICAL REPORT

0105

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1275.0 R	22	28	60	<1	<0.005	10
CT019 1280.0 R	18	26	46	<1	<0.005	9
CT019 1285.0 R	24	32	70	<1	<0.005	8
CT019 1290.0 R	24	28	60	<1	<0.005	5
CT019 1295.0 R	20	28	48	<1	<0.005	12
CT019 1300.0 R	22	26	50	<1	<0.005	8
CT019 1305.0 R	20	28	60	<1	<0.005	12
CT019 1310.0 R	18	24	48	<1	<0.005	7
CT019 1315.0 R	26	20	60	<1	<0.005	8
CT019 1320.0 R	16	18	44	<1	<0.005	9
CT019 1325.0 R	20	22	46	<1	<0.005	7
CT019 1330.0 R	20	22	60	<1	<0.005	6
CT019 1335.0 R	20	24	50	<1	<0.005	8
CT019 1340.0 R	16	22	70	<1	<0.005	4
CT019 1345.0 R	18	22	55	<1	<0.005	7
CT019 1350.0 R	20	20	60	<1	<0.005	10
CT019 1355.0 R	16	20	70	<1	<0.005	5
CT019 1360.0 R	18	18	46	<1	<0.005	7
CT019 1365.0 R	18	24	48	<1	<0.005	8
CT019 1370.0 R	18	40	60	<1	<0.005	12
CT019 1375.0 R	18	26	50	<1	<0.005	4
CT019 1380.0 R	22	32	65	<1	<0.005	6
CT019 1385.0 R	18	16	46	<1	<0.005	2
CT019 1390.0 R	16	16	50	<1	<0.005	4
CT019 1395.0 R	18	14	42	<1	<0.005	3

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ANALYTICAL REPORT

0106

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1400.0 R	18	18	60	<1	<0.005	5
CT019 1405.0 R	20	30	50	<1	<0.005	6
CT019 1410.0 R	20	18	46	<1	<0.005	<2
CT019 1415.0 R	18	16	55	<1	<0.005	2
CT019 1420.0 R	16	36	60	<1	<0.005	6
CT019 1425.0 R	18	18	110	<1	<0.005	4
CT019 1430.0 R	14	24	130	<1	<0.005	3
CT019 1435.0 R	18	16	120	<1	<0.005	7
CT019 1440.0 R	12	18	160	<1	<0.005	6
CT019 1445.0 R	16	36	180	<1	<0.005	5
CT019 1450.0 R	18	24	230	<1	<0.005	8
CT019 1455.0 R	20	40	80	<1	<0.005	5
CT019 1460.0 R	20	22	240	<1	<0.005	8
CT019 1465.0 R	22	26	160	<1	<0.005	5
CT019 1470.0 R	28	24	120	<1	<0.005	5
CT019 1475.0 R	30	110	140	<1	<0.005	7
CT019 1480.0 R	26	20	100	<1	<0.005	8
CT019 1485.0 R	20	18	70	<1	<0.005	6
CT019 1490.0 R	18	24	70	<1	<0.005	6
CT019 1495.0 R	22	42	90	<1	<0.005	12
CT019 1500.0 R	24	24	90	<1	<0.005	12
CT019 1505.0 R	16	20	70	<1	<0.005	3
CT019 1510.0 R	18	20	60	<1	<0.005	7
CT019 1515.0 R	26	26	60	<1	<0.005	10
CT019 1520.0 R	18	18	60	<1	<0.005	6

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ANALYTICAL REPORT

0107

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1525.0 R	20	14	40	<1	<0.005	14
CT019 1530.0 R	24	20	44	<1	<0.005	14
CT019 1535.0 R	30	180	80	<1	<0.005	24
CT019 1540.0 R	26	18	125	<1	<0.005	7
CT019 1545.0 R	32	70	220	<1	<0.005	5
CT019 1550.0 R	24	32	90	<1	<0.005	5
CT019 1555.0 R	24	36	200	<1	<0.005	5
CT019 1560.0 R	20	24	40	<1	<0.005	4
CT019 1565.0 R	22	14	44	<1	<0.005	9
CT019 1570.0 R	28	28	70	<1	<0.005	6
CT019 1575.0 R	32	42	80	<1	<0.005	6
CT019 1580.0 R	24	24	60	<1	<0.005	10
CT019 1585.0 R	26	50	46	<1	<0.005	9
CT019 1590.0 R	20	32	75	<1	<0.005	7
CT019 1595.0 R	18	34	48	<1	<0.005	6
CT019 1600.0 R	24	28	70	<1	<0.005	5
CT019 1605.0 R	24	18	60	<1	<0.005	6
CT019 1610.0 R	24	28	60	<1	<0.005	5
CT019 1615.0 R	26	20	60	<1	<0.005	9
CT019 1620.0 R	24	18	55	<1	<0.005	7
CT019 1625.0 R	24	24	60	<1	<0.005	4
CT019 1630.0 R	22	16	70	<1	<0.005	9
CT019 1635.0 R	26	20	60	<1	<0.005	7
CT019 1640.0 R	22	20	60	<1	<0.005	8
CT019 1645.0 R	22	28	100	<1	<0.005	10

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0108

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1650.0 R	20	20	60	<1	<0.005	7
CT019 1655.0 R	24	26	80	<1	<0.005	8
CT019 1660.0 R	24	26	70	<1	<0.005	7
CT019 1665.0 R	24	46	70	<1	<0.005	7
CT019 1670.0 R	26	24	60	<1	<0.005	3
CT019 1675.0 R	22	22	60	<1	<0.005	8
CT019 1680.0 R	20	24	60	<1	<0.005	6
CT019 1685.0 R	24	24	70	<1	<0.005	14
CT019 1690.0 R	24	60	180	<1	<0.005	8
CT019 1695.0 R	26	48	110	<1	<0.005	9
CT019 1700.0 R	20	26	110	<1	<0.005	12
CT019 1705.0 R	22	44	120	<1	<0.005	14
CT019 1710.0 R	24	50	150	<1	<0.005	10
CT019 1715.0 R	24	40	130	<1	<0.005	12
CT019 1720.0 R	20	46	270	<1	<0.005	7
CT019 1725.0 R	30	70	65	1	<0.005	6
CT019 1730.0 R	26	48	50	<1	<0.005	7
CT019 1735.0 R	28	65	110	1	<0.005	8
CT019 1740.0 R	30	36	65	<1	<0.005	10
CT019 1745.0 R	32	32	100	<1	<0.005	5
CT019 1750.0 R	24	28	55	<1	<0.005	6
CT019 1755.0 R	26	70	110	<1	<0.005	9
CT019 1760.0 R	22	34	110	1	<0.005	5
CT019 1765.0 R	26	48	120	<1	<0.005	8
CT019 1770.0 R	28	38	150	1	<0.005	10

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ANALYTICAL REPORT

JOB CON832490 O/N : 8390

0109

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1775.0 R	22	36	60	1	<0.005	6
CT019 1780.0 R	26	44	85	1	<0.005	6
CT019 1785.0 R	26	32	55	1	<0.005	12
CT019 1790.0 R	34	40	65	1	<0.005	6
CT019 1795.0 R	24	32	60	1	<0.005	12
CT019 1800.0 R	24	28	60	1	<0.005	6
CT019 1805.0 R	26	70	150	1	<0.005	26
CT019 1810.0 R	36	40	70	1	<0.005	14
CT019 1815.0 R	26	48	50	1	<0.005	28
CT019 1820.0 R	20	28	50	<1	<0.005	8
CT019 1825.0 R	26	28	55	1	<0.005	10
CT019 1830.0 R	28	30	65	<1	<0.005	6
CT019 1835.0 R	26	32	55	1	<0.005	6
CT019 1840.0 R	32	28	55	1	<0.005	8
CT019 1845.0 R	24	24	60	<1	<0.005	6
CT019 1850.0 R	26	24	60	1	<0.005	7
CT019 1855.0 R	24	24	55	<1	<0.005	5
CT019 1865.0 R	24	24	50	<1	<0.005	10
CT019 1875.0 R	24	28	70	<1	<0.005	7
CT019 1880.0 R	24	28	50	<1	<0.005	9
CT019 1885.0 R	26	36	60	1	<0.005	5
CT019 1890.0 R	30	38	75	1	<0.005	8
CT019 1895.0 R	26	44	110	1	<0.005	10
CT019 1900.0 R	26	26	75	1	<0.005	7
CT019 1905.0 R	26	32	70	1	<0.005	8

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0110

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT019 1910.0 R	28	44	75	1	<0.005	7
CT019 1915.0 R	36	420	190	1	<0.005	16
CT019 1920.0 R	28	36	65	1	<0.005	8
CT019 1925.0 R	26	30	60	1	<0.005	7
CT019 1930.0 R	24	36	110	1	<0.005	9
CT019 1935.0 R	26	20	80	<1	<0.005	10
CT019 1940.0 R	22	28	55	1	<0.005	7
CT019 1945.0 R	22	36	110	1	<0.005	10
CT019 1950.0 R	22	22	55	1	<0.005	24
CT019 1955.0 R	24	46	40	1	<0.005	28
CT019 1960.0 R	22	28	44	1	<0.005	10
CT019 1965.0 R	30	32	55	1	<0.005	10
CT019 1970.0 R	32	46	110	1	<0.005	16
CT019 1975.0 R	28	34	95	1	<0.005	14
CT019 1980.0 R	30	38	65	1	<0.005	12
CT019 1985.0 R	24	30	55	1	<0.005	18
CT019 1990.0 R	26	44	48	1	<0.005	10
CT019 1995.0 R	20	34	40	1	<0.005	7
CT019 2000.0 R	28	34	42	1	<0.005	9
CT022 0.0 R	55	30	75	1	<0.005	20
CT022 5.0 R	40	110	26	1	<0.005	14
CT022 10.0 R	65	20	120	<1	<0.005	12
CT022 15.0 R	38	18	170	1	<0.005	8
CT022 20.0 R	20	24	180	1	<0.005	14
CT022 25.0 R	44	34	110	1	<0.005	7

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ANALYTICAL REPORT

0111

JOB COM832490 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022	30.0 R	50	20	95	1	<0.005	9
CT022	35.0 R	70	20	110	<1	<0.005	5
CT022	40.0 R	20	16	80	<1	<0.005	7
CT022	45.0 R	16	22	80	<1	<0.005	12
CT022	50.0 R	20	22	75	<1	<0.005	10
CT022	55.0 R	22	20	140	<1	<0.005	12
CT022	60.0 R	28	22	120	<1	<0.005	12
CT022	65.0 R	26	14	110	<1	<0.005	10
CT022	70.0 R	28	22	100	<1	<0.005	10
CT022	75.0 R	26	18	90	<1	<0.005	12
CT022	80.0 R	26	26	120	<1	<0.005	9
CT022	85.0 R	28	30	90	<1	<0.005	9
CT022	90.0 R	100	24	70	<1	<0.005	9
CT022	95.0 R	38	16	80	<1	<0.005	12
CT022	100.0 R	32	18	80	<1	<0.005	12
CT022	105.0 R	30	18	80	<1	<0.005	10
CT022	110.0 R	30	16	70	<1	<0.005	10
CT022	115.0 R	26	14	60	<1	<0.005	8
CT022	120.0 R	32	16	90	<1	<0.005	8
CT022	125.0 R	30	12	48	<1	<0.005	12
CT022	130.0 R	24	16	70	<1	<0.005	8
CT022	135.0 R	30	14	60	<1	<0.005	4
CT022	140.0 R	30	18	38	<1	<0.005	6
CT022	145.0 R	32	16	70	<1	<0.005	2
CT022	150.0 R	24	14	80	<1	<0.005	7

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0112

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 155.0 R	26	16	80	<1	<0.005	8
CT022 160.0 R	22	12	80	<1	<0.005	9
CT022 165.0 R	32	18	90	<1	<0.005	7
CT022 170.0 R	38	18	80	<1	<0.005	8
CT022 175.0 R	22	16	80	<1	<0.005	8
CT022 180.0 R	20	14	80	<1	<0.005	9
CT022 185.0 R	26	16	80	<1	<0.005	6
CT022 190.0 R	46	20	50	<1	<0.005	4
CT022 195.0 R	24	26	40	<1	<0.005	6
CT022 200.0 R	34	24	80	<1	<0.005	2
CT022 205.0 R	22	18	70	<1	<0.005	5
CT022 210.0 R	18	16	70	<1	<0.005	9
CT022 215.0 R	12	22	180	<1	<0.005	9
CT022 220.0 R	24	18	110	<1	<0.005	5
CT022 225.0 R	32	22	55	<1	<0.005	5
CT022 230.0 R	38	55	34	<1	<0.005	<2
CT022 235.0 R	55	22	50	<1	<0.005	6
CT022 240.0 R	22	14	90	<1	<0.005	10
CT022 245.0 R	12	14	90	<1	<0.005	4
CT022 250.0 R	18	22	95	<1	<0.005	9
CT022 255.0 R	20	12	60	<1	<0.005	4
CT022 260.0 R	40	18	70	<1	<0.005	6
CT022 265.0 R	38	14	60	<1	<0.005	16
CT022 270.0 R	36	18	65	<1	<0.005	4
CT022 275.0 R	26	12	90	<1	<0.005	5

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ANALYTICAL REPORT

0113

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 280.0 R	18	12	80	<1	<0.005	9
CT022 285.0 R	32	16	80	<1	<0.005	12
CT022 290.0 R	36	32	55	<1	<0.005	2
CT022 295.0 R	32	16	110	<1	<0.005	8
CT022 300.0 R	30	20	90	<1	<0.005	7
CT022 305.0 R	34	16	75	<1	<0.005	7
CT022 310.0 R	36	18	80	<1	<0.005	7
CT022 315.0 R	42	18	85	<1	<0.005	5
CT022 320.0 R	22	14	90	<1	<0.005	12
CT022 325.0 R	32	20	95	<1	<0.005	12
CT022 330.0 R	70	24	90	<1	<0.005	20
CT022 335.0 R	36	38	80	<1	<0.005	12
CT022 340.0 R	32	32	80	<1	<0.005	14
CT022 345.0 R	38	44	80	<1	<0.005	4
CT022 350.0 R	38	18	80	<1	<0.005	12
CT022 355.0 R	30	20	90	<1	<0.005	10
CT022 360.0 R	46	18	90	<1	<0.005	10
CT022 365.0 R	60	32	90	<1	<0.005	12
CT022 370.0 R	60	20	90	<1	<0.005	14
CT022 375.0 R	18	24	75	<1	<0.005	12
CT022 380.0 R	18	22	75	<1	<0.005	12
CT022 385.0 R	20	26	80	<1	<0.005	16
CT022 390.0 R	42	22	80	<1	<0.005	6
CT022 395.0 R	32	20	70	<1	<0.005	12
CT022 400.0 R	34	18	80	<1	<0.005	10

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ANALYTICAL REPORT

0114

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 405.0 R	46	28	270	<1	<0.005	12
CT022 410.0 R	24	18	160	<1	<0.005	6
CT022 415.0 R	24	22	90	<1	<0.005	8
CT022 420.0 R	18	18	80	<1	<0.005	7
CT022 425.0 R	32	30	100	<1	<0.005	10
CT022 430.0 R	22	22	95	<1	<0.005	8
CT022 435.0 R	24	20	90	<1	<0.005	9
CT022 440.0 R	24	14	95	<1	<0.005	5
CT022 445.0 R	16	20	60	<1	<0.005	6
CT022 450.0 R	16	18	75	<1	<0.005	5
CT022 455.0 R	16	18	60	<1	<0.005	4
CT022 460.0 R	20	18	70	<1	<0.005	4
CT022 465.0 R	28	50	100	<1	<0.005	10
CT022 470.0 R	20	24	70	<1	<0.005	4
CT022 475.0 R	28	32	70	<1	<0.005	9
CT022 480.0 R	14	20	70	<1	<0.005	5
CT022 485.0 R	20	20	90	<1	<0.005	4
CT022 490.0 R	16	26	70	<1	<0.005	7
CT022 495.0 R	12	18	75	<1	<0.005	12
CT022 500.0 R	20	24	60	<1	<0.005	10
CT022 505.0 R	18	22	75	<1	<0.005	6
CT022 510.0 R	18	18	80	<1	<0.005	6
CT022 515.0 R	18	14	90	<1	<0.005	4
CT022 520.0 R	32	30	90	<1	<0.005	5
CT022 525.0 R	18	16	170	<1	<0.005	8

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ANALYTICAL REPORT

0115

JOB COM832490 O/R : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 530.0 R	20	20	90	<1	<0.005	5
CT022 535.0 R	18	16	130	<1	<0.005	4
CT022 540.0 R	20	22	90	<1	<0.005	5
CT022 545.0 R	22	26	130	<1	<0.005	<2
CT022 550.0 R	22	22	140	<1	<0.005	6
CT022 555.0 R	24	22	240	<1	<0.005	<2
CT022 560.0 R	36	22	370	<1	<0.005	12
CT022 565.0 R	24	22	300	<1	<0.005	6
CT022 570.0 R	24	20	230	<1	<0.005	4
CT022 575.0 R	20	20	145	<1	<0.005	<2
CT022 580.0 R	38	22	170	<1	<0.005	<2
CT022 585.0 R	28	28	200	<1	<0.005	10
CT022 590.0 R	30	26	190	<1	<0.005	5
CT022 595.0 R	60	40	450	<1	<0.005	12
CT022 600.0 R	32	28	90	<1	<0.005	9
CT022 605.0 R	16	20	60	<1	<0.005	9
CT022 610.0 R	18	22	60	<1	<0.005	4
CT022 615.0 R	14	18	60	<1	<0.005	3
CT022 620.0 R	20	18	70	<1	<0.005	3
CT022 625.0 R	20	20	55	<1	<0.005	5
CT022 630.0 R	20	20	60	<1	<0.005	7
CT022 635.0 R	18	24	50	<1	<0.005	6
CT022 640.0 R	14	22	36	<1	<0.005	6
CT022 645.0 R	20	22	60	<1	<0.005	6
CT022 650.0 R	18	20	60	<1	<0.005	5

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ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0116

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 655.0 R	30	16	80	<1	<0.005	5
CT022 660.0 R	42	16	130	<1	<0.005	3
CT022 665.0 R	22	12	100	<1	<0.005	8
CT022 670.0 R	18	14	70	<1	<0.005	8
CT022 675.0 R	20	14	65	<1	<0.005	9
CT022 680.0 R	18	12	70	<1	<0.005	7
CT022 685.0 R	16	14	46	<1	<0.005	9
CT022 690.0 R	24	12	60	<1	<0.005	10
CT022 695.0 R	22	10	60	<1	<0.005	10
CT022 700.0 R	20	10	48	<1	<0.005	7
CT022 705.0 R	24	12	32	<1	<0.005	14
CT022 710.0 R	26	10	30	<1	<0.005	26
CT022 715.0 R	20	10	14	<1	<0.005	20
CT022 720.0 R	14	14	24	<1	<0.005	16
CT022 725.0 R	16	14	36	<1	<0.005	10
CT022 730.0 R	16	14	22	<1	<0.005	18
CT022 735.0 R	18	16	24	<1	<0.005	20
CT022 740.0 R	16	14	34	<1	<0.005	7
CT022 745.0 R	20	16	50	<1	<0.005	8
CT022 750.0 R	18	14	42	<1	<0.005	12
CT022 755.0 R	26	16	70	<1	<0.005	4
CT022 760.0 R	20	16	60	<1	<0.005	6
CT022 765.0 R	24	16	80	<1	<0.005	7
CT022 770.0 R	30	18	70	<1	<0.005	3
CT022 775.0 R	20	18	70	<1	<0.005	8

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ANALYTICAL REPORT

0117

JOB CCM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 780.0 R	18	16	75	<1	<0.005	9
CT022 785.0 R	24	20	90	<1	<0.005	6
CT022 790.0 R	20	18	75	<1	<0.005	3
CT022 795.0 R	18	16	90	<1	<0.005	5
CT022 800.0 R	24	22	90	<1	<0.005	7
CT022 805.0 R	28	18	80	<1	<0.005	7
CT022 810.0 R	28	20	90	<1	<0.005	6
CT022 815.0 R	24	24	85	<1	<0.005	6
CT022 820.0 R	20	18	80	<1	<0.005	4
CT022 825.0 R	24	14	90	<1	<0.005	6
CT022 830.0 R	32	26	90	<1	<0.005	9
CT022 835.0 R	22	12	90	<1	<0.005	5
CT022 840.0 R	20	14	80	<1	<0.005	6
CT022 845.0 R	40	22	80	<1	<0.005	12
CT022 850.0 R	26	16	75	<1	<0.005	7
CT022 855.0 R	36	14	90	<1	<0.005	5
CT022 860.0 R	20	16	80	<1	<0.005	6
CT022 865.0 R	20	14	85	<1	<0.005	3
CT022 870.0 R	20	16	90	<1	<0.005	5
CT022 875.0 R	26	20	90	<1	<0.005	3
CT022 880.0 R	22	16	90	<1	<0.005	<2
CT022 885.0 R	38	26	80	<1	<0.005	<2
CT022 890.0 R	30	20	80	<1	<0.005	8
CT022 895.0 R	38	30	85	<1	<0.005	4
CT022 900.0 R	26	22	90	<1	<0.005	8

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ANALYTICAL REPORT

JOB COM832490 O/R : 8390 0118

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 905.0 R	34	22	110	<1	<0.005	6
CT022 910.0 R	20	16	90	<1	<0.005	7
CT022 915.0 R	24	16	100	<1	<0.005	7
CT022 920.0 R	18	16	80	<1	<0.005	10
CT022 925.0 R	170	85	105	<1	<0.005	6
CT022 930.0 R	32	20	100	<1	<0.005	8
CT022 935.0 R	28	20	90	<1	<0.005	<2
CT022 940.0 R	38	14	90	<1	<0.005	<2
CT022 945.0 R	40	16	95	<1	<0.005	10
CT022 950.0 R	42	18	70	<1	<0.005	8
CT022 955.0 R	38	16	90	<1	<0.005	2
CT022 960.0 R	38	16	80	<1	<0.005	5
CT022 965.0 R	30	16	80	<1	<0.005	7
CT022 970.0 R	100	90	70	<1	<0.005	12
CT022 975.0 R	22	16	65	<1	<0.005	12
CT022 980.0 R	26	16	70	<1	<0.005	10
CT022 985.0 R	26	16	70	<1	<0.005	8
CT022 990.0 R	34	18	70	<1	<0.005	12
CT022 995.0 R	30	16	65	<1	<0.005	4
CT022 1000.0 R	36	18	70	<1	<0.005	5
CT022 1005.0 R	22	20	60	<1	<0.005	5
CT022 1010.0 R	28	18	80	<1	<0.005	14
CT022 1015.0 R	26	12	70	<1	<0.005	10
CT022 1020.0 R	38	14	70	<1	<0.005	9
CT022 1025.0 R	28	14	60	<1	<0.005	8

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ANALYTICAL REPORT

0119

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 1030.0 R	40	12	50	<1	<0.005	10
CT022 1035.0 R	28	18	36	<1	<0.005	4
CT022 1040.0 R	28	18	36	<1	<0.005	5
CT022 1045.0 R	30	14	55	<1	<0.005	14
CT022 1050.0 R	46	16	60	<1	<0.005	18
CT022 1055.0 R	32	18	32	<1	<0.005	7
CT022 1060.0 R	36	14	65	<1	<0.005	9
CT022 1065.0 R	26	14	50	<1	<0.005	12
CT022 1070.0 R	50	14	70	<1	<0.005	12
CT022 1075.0 R	34	12	110	<1	<0.005	16
CT022 1080.0 R	42	12	80	<1	<0.005	12
CT022 1085.0 R	26	14	75	<1	<0.005	6
CT022 1090.0 R	34	12	90	<1	<0.005	8
CT022 1095.0 R	70	14	200	<1	<0.005	9
CT022 1100.0 R	80	16	190	<1	<0.005	<2
CT022 1105.0 R	24	16	150	<1	<0.005	<2
CT022 1110.0 R	28	14	70	<1	<0.005	6
CT022 1115.0 R	18	12	130	<1	<0.005	10
CT022 1120.0 R	14	12	80	<1	<0.005	5
CT022 1125.0 R	14	10	110	<1	<0.005	6
CT022 1130.0 R	32	10	175	<1	<0.005	<2
CT022 1135.0 R	18	8	130	<1	<0.005	10
CT022 1140.0 R	24	8	100	<1	<0.005	16
CT022 1145.0 R	22	8	75	<1	<0.005	10
CT022 1150.0 R	32	8	34	<1	<0.005	9

ANALYTICAL REPORT

0120

JOB COM832490 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 1155.0 R	22	8	36	<1	<0.005	7
CT022 1160.0 R	12	12	18	<1	<0.005	6
CT022 1165.0 R	24	18	36	<1	<0.005	3
CT022 1170.0 R	20	16	22	<1	<0.005	6
CT022 1175.0 R	26	14	26	<1	<0.005	6
CT022 1180.0 R	28	8	32	<1	<0.005	5
CT022 1185.0 R	50	8	60	<1	<0.005	12
CT022 1190.0 R	28	14	34	<1	<0.005	8
CT022 1195.0 R	26	12	36	<1	<0.005	8
CT022 1200.0 R	38	10	90	<1	<0.005	8
CT022 1205.0 R	28	8	40	<1	<0.005	10
CT022 1210.0 R	36	12	105	<1	<0.005	12
CT022 1215.0 R	26	12	130	<1	<0.005	18
CT022 1220.0 R	26	10	60	<1	<0.005	28
CT022 1225.0 R	20	10	90	<1	<0.005	22
CT022 1230.0 R	24	12	80	<1	<0.005	22
CT022 1235.0 R	36	16	70	<1	<0.005	14
CT022 1240.0 R	18	14	30	<1	<0.005	22
CT022 1245.0 R	26	12	20	<1	<0.005	14
CT022 1250.0 R	70	16	22	<1	<0.005	6
CT022 1255.0 R	20	14	36	<1	<0.005	10
CT022 1260.0 R	18	18	38	<1	<0.005	12
CT022 1265.0 R	26	16	34	<1	<0.005	8
CT022 1270.0 R	26	22	38	<1	<0.005	6
CT022 1275.0 R	20	14	32	<1	<0.005	14

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COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM832490 O/N : 8390 0121

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT022 1280.0 R	18	18	38	<1	<0.005	18
CT022 1285.0 R	30	16	32	<1	<0.005	7
CT022 1290.0 R	34	12	30	<1	<0.005	4
CT022 1295.0 R	50	10	18	<1	<0.005	3
CT022 1300.0 R	40	12	26	<1	<0.005	6
CT022 1305.0 R	26	10	32	<1	<0.005	10
CT022 1310.0 R	30	10	60	<1	<0.005	14
CT022 1315.0 R	26	12	40	<1	<0.005	14
CT022 1320.0 R	28	16	42	<1	<0.005	10
CT022 1325.0 R	20	16	42	<1	<0.005	8
CT022 1330.0 R	22	10	60	<1	<0.005	10
CT022 1335.0 R	14	10	48	<1	<0.005	10
CT022 1340.0 R	18	14	50	<1	<0.005	7
CT022 1345.0 R	16	16	48	<1	<0.005	12
CT022 1350.0 R	20	12	55	<1	<0.005	10
CT022 1355.0 R	18	14	50	<1	<0.005	16
CT022 1360.0 R	12	14	32	<1	<0.005	2
CT022 1365.0 R	18	14	48	<1	<0.005	12
CT022 1370.0 R	18	12	26	<1	<0.005	12
CT022 1375.0 R	18	14	34	<1	<0.005	9
CT022 1380.0 R	18	12	18	<1	<0.005	20
CT022 1385.0 R	20	20	36	<1	<0.005	10
CT022 1390.0 R	20	18	60	<1	<0.005	8
CT022 1395.0 R	18	16	48	<1	<0.005	5
CT022 1400.0 R	46	16	60	<1	<0.005	7

Method of Analysis : Cu Pb Zn : AAS1
Ag : AAS3
Au : AAS5T

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Head Office and Central Laboratory
305 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL: (08) 43 5722
TELEX: AA89323

copy

NATA REGISTERED No. 1526

EL1102 } P.AB Drilling
EL1163 } Results for
CT014; CT011
CT017; CT02
GT004; GTxx

0122

OUR REF.: COM 831514

YOUR REF.: 8390

Mr. D. Jarvis,
Utah Development Co Ltd,
186 Main Road,
BLACKWOOD. S.A. 5051.,

29.7.83

Dear Doug,

RE: JOB COM 831514

Enclosed are the assays for the samples delivered to our laboratory on the 15th July, 1983.

Yours sincerely,
COMLABS PTY LTD

per :

c.c.: BRISBANE

Queensland Preparation Laboratory: 172 Lavarack Ave., Eagle Farm, Queensland. 4007 Tel.: (07) 268 4748
Western Australia Preparation Laboratory: 52 Fairbrother St., Belmont, W.A. 6104 Tel.: (09) 47 81336
Northern Territory Preparation Laboratory: 3 Bishop Street, Darwin, N.T. 5790 Tel.: (089) 81 3961

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0123

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021	0.0 R	38	26	60	<1	<0.005	<2
CT021	5.0 R	28	22	60	<1	<0.005	<2
CT021	10.0 R	36	26	50	<1	<0.005	<2
CT021	15.0 R	26	26	60	<1	<0.005	<2
CT021	20.0 R	34	26	48	<1	<0.005	<2
CT021	25.0 R	32	18	50	<1	<0.005	<2
CT021	30.0 R	38	16	46	<1	<0.005	<2
CT021	35.0 R	26	14	42	<1	<0.005	<2
CT021	40.0 R	24	16	46	<1	<0.005	<2
CT021	45.0 R	28	38	42	<1	<0.005	<2
CT021	50.0 R	26	22	42	<1	<0.005	<2
CT021	55.0 R	24	18	42	<1	<0.005	<2
CT021	60.0 R	24	18	46	<1	<0.005	6
CT021	65.0 R	20	18	34	<1	<0.005	<2
CT021	70.0 R	24	16	50	<1	<0.005	<2
CT021	75.0 R	24	24	50	<1	<0.005	<2
CT021	80.0 R	22	20	48	<1	<0.005	2
CT021	85.0 R	22	20	50	<1	<0.005	4
CT021	90.0 R	26	22	50	<1	<0.005	4
CT021	95.0 R	22	18	44	<1	<0.005	2
CT021	100.0 R	24	22	50	<1	<0.005	<2
CT021	105.0 R	24	18	50	<1	<0.005	2
CT021	110.0 R	28	20	50	<1	<0.005	<2
CT021	115.0 R	24	24	55	<1	<0.005	3
CT021	120.0 R	26	14	50	<1	<0.005	2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0124

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT021	125.0 R	32	30	60	<1	<0.005	3
CT021	130.0 R	26	22	60	<1	<0.005	<2
CT021	135.0 R	24	26	50	<1	<0.005	<2
CT021	140.0 R	22	20	46	<1	<0.005	<2
CT021	145.0 R	22	18	50	<1	<0.005	<2
CT021	150.0 R	34	24	50	<1	<0.005	<2
CT021	155.0 R	32	20	46	<1	<0.005	<2
CT021	160.0 R	24	22	50	<1	<0.005	<2
CT021	165.0 R	26	24	44	<1	<0.005	6
CT021	170.0 R	30	32	46	<1	<0.005	2
CT021	175.0 R	34	18	60	<1	<0.005	<2
CT021	180.0 R	30	20	60	<1	<0.005	3
CT021	185.0 R	24	20	50	<1	<0.005	2
CT021	190.0 R	30	20	44	<1	<0.005	<2
CT021	195.0 R	28	16	50	<1	<0.005	2
CT021	200.0 R	28	22	38	<1	<0.005	<2
CT021	205.0 R	28	22	46	<1	<0.005	2
CT021	210.0 R	28	18	48	<1	<0.005	<2
CT021	215.0 R	36	26	60	<1	<0.005	<2
CT021	220.0 R	26	22	46	<1	<0.005	3
CT021	225.0 R	24	26	44	<1	<0.005	<2
CT021	230.0 R	24	32	70	<1	<0.005	<2
CT021	235.0 R	24	22	46	<1	<0.005	<2
CT021	240.0 R	36	28	50	<1	<0.005	7
CT021	245.0 R	22	22	46	<1	<0.005	8

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0125

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 250.0 R	26	28	50	<1	<0.005	6
CT021 255.0 R	24	26	60	<1	<0.005	4
CT021 260.0 R	24	20	60	<1	<0.005	<2
CT021 265.0 R	24	28	50	<1	<0.005	4
CT021 270.0 R	24	44	42	<1	<0.005	4
CT021 275.0 R	22	24	38	<1	<0.005	<2
CT021 280.0 R	22	30	44	<1	<0.005	2
CT021 285.0 R	26	20	36	<1	<0.005	<2
CT021 290.0 R	26	22	30	<1	<0.005	<2
CT021 295.0 R	28	48	44	<1	<0.005	<2
CT021 300.0 R	30	30	40	<1	<0.005	<2
CT021 305.0 R	30	22	60	<1	<0.005	<2
CT021 310.0 R	24	26	36	<1	<0.005	<2
CT021 315.0 R	22	48	24	1	<0.005	4
CT021 320.0 R	28	20	60	<1	<0.005	<2
CT021 325.0 R	24	18	55	<1	<0.005	<2
CT021 330.0 R	26	22	55	<1	<0.005	<2
CT021 335.0 R	24	22	46	<1	<0.005	6
CT021 340.0 R	30	22	50	<1	<0.005	<2
CT021 345.0 R	30	40	60	<1	<0.005	<2
CT021 350.0 R	18	20	48	<1	<0.005	2
CT021 355.0 R	22	24	46	<1	<0.005	<2
CT021 360.0 R	20	18	46	<1	<0.005	<2
CT021 365.0 R	14	22	28	<1	<0.005	<2
CT021 370.0 R	26	22	48	<1	<0.005	<2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0126

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021	375.0 R	24	24	50	<1	<0.005	<2
CT021	380.0 R	24	26	50	<1	<0.005	<2
CT021	385.0 R	26	32	50	<1	<0.005	<2
CT021	390.0 R	18	28	42	<1	<0.005	<2
CT021	395.0 R	22	30	55	<1	<0.005	3
CT021	400.0 R	18	24	42	<1	<0.005	<2
CT021	405.0 R	34	44	48	<1	<0.005	<2
CT021	410.0 R	22	60	50	<1	<0.005	3
CT021	415.0 R	20	22	55	<1	<0.005	<2
CT021	420.0 R	22	26	60	<1	<0.005	5
CT021	425.0 R	24	24	50	<1	<0.005	3
CT021	430.0 R	28	38	50	<1	<0.005	8
CT021	435.0 R	22	20	44	<1	<0.005	6
CT021	440.0 R	20	20	48	<1	<0.005	2
CT021	445.0 R	20	26	46	<1	<0.005	5
CT021	450.0 R	20	26	70	<1	<0.005	7
CT021	455.0 R	20	32	50	1	<0.005	2
CT021	460.0 R	16	26	46	1	<0.005	5
CT021	465.0 R	16	22	38	1	<0.005	<2
CT021	470.0 R	22	26	60	1	<0.005	5
CT021	475.0 R	16	22	48	1	<0.005	<2
CT021	480.0 R	18	24	42	1	<0.005	<2
CT021	485.0 R	20	24	50	1	<0.005	3
CT021	490.0 R	18	34	46	1	<0.005	3
CT021	495.0 R	18	32	50	1	<0.005	2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0127

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021	500.0 R	24	32	70	1	<0.005	<2
CT021	505.0 R	20	18	50	1	<0.005	3
CT021	510.0 R	18	16	50	1	<0.005	<2
CT021	515.0 R	22	20	50	1	<0.005	3
CT021	520.0 R	24	22	55	<1	<0.005	3
CT021	525.0 R	26	20	60	<1	<0.005	<2
CT021	530.0 R	22	22	50	1	<0.005	<2
CT021	535.0 R	22	26	60	<1	<0.005	<2
CT021	540.0 R	22	18	60	1	<0.005	<2
CT021	545.0 R	22	22	50	<1	<0.005	5
CT021	550.0 R	30	34	50	<1	<0.005	<2
CT021	555.0 R	18	26	60	<1	<0.005	4
CT021	560.0 R	20	30	70	<1	<0.005	2
CT021	565.0 R	20	20	50	<1	<0.005	3
CT021	570.0 R	24	12	48	<1	<0.005	<2
CT021	575.0 R	18	10	50	<1	<0.005	<2
CT021	580.0 R	22	32	50	<1	<0.005	<2
CT021	585.0 R	18	18	50	<1	<0.005	5
CT021	590.0 R	18	20	50	<1	<0.005	3
CT021	595.0 R	20	16	50	<1	<0.005	3
CT021	600.0 R	22	36	55	<1	<0.005	<2
CT021	605.0 R	30	24	50	<1	<0.005	<2
CT021	610.0 R	24	26	60	<1	<0.005	<2
CT021	615.0 R	22	28	55	1	<0.005	2
CT021	620.0 R	24	32	50	<1	<0.005	<2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0128

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021	625.0 R	22	22	60	<1	<0.005	<2
CT021	630.0 R	24	24	90	<1	<0.005	<2
CT021	635.0 R	26	26	70	<1	<0.005	<2
CT021	640.0 R	26	24	65	<1	<0.005	4
CT021	645.0 R	30	14	75	1	<0.005	4
CT021	650.0 R	26	26	60	<1	<0.005	2
CT021	655.0 R	28	20	55	1	<0.005	2
CT021	660.0 R	24	22	60	1	<0.005	<2
CT021	665.0 R	16	20	36	<1	<0.005	3
CT021	670.0 R	22	30	50	<1	<0.005	<2
CT021	675.0 R	24	34	50	<1	<0.005	2
CT021	680.0 R	22	28	60	<1	<0.005	3
CT021	685.0 R	42	44	60	<1	<0.005	<2
CT021	690.0 R	28	28	70	<1	<0.005	2
CT021	695.0 R	28	26	60	<1	<0.005	4
CT021	700.0 R	20	26	46	<1	<0.005	6
CT021	705.0 R	26	22	50	<1	<0.005	<2
CT021	710.0 R	24	30	46	<1	<0.005	4
CT021	715.0 R	22	28	48	<1	<0.005	2
CT021	720.0 R	26	20	60	<1	<0.005	3
CT021	725.0 R	28	80	48	<1	<0.005	12
CT021	730.0 R	24	22	60	<1	<0.005	6
CT021	735.0 R	28	65	50	<1	<0.005	4
CT021	740.0 R	24	32	46	<1	<0.005	<2
CT021	745.0 R	24	24	50	<1	<0.005	2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0129

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021	750.0 R	22	18	48	<1	<0.005	<2
CT021	755.0 R	24	22	60	1	<0.005	2
CT021	760.0 R	24	28	50	1	<0.005	4
CT021	765.0 R	32	24	60	1	<0.005	<2
CT021	770.0 R	24	30	60	1	<0.005	4
CT021	775.0 R	22	48	60	1	<0.005	3
CT021	780.0 R	22	34	60	1	<0.005	4
CT021	785.0 R	22	24	70	1	<0.005	<2
CT021	790.0 R	22	30	55	<1	<0.005	4
CT021	795.0 R	20	16	65	1	<0.005	<2
CT021	800.0 R	16	26	40	<1	<0.005	6
CT021	805.0 R	14	22	36	1	<0.005	3
CT021	810.0 R	20	20	34	1	<0.005	6
CT021	815.0 R	16	24	36	1	<0.005	3
CT021	820.0 R	12	18	26	1	<0.005	3
CT021	825.0 R	24	26	48	1	<0.005	8
CT021	830.0 R	16	18	32	1	<0.005	6
CT021	835.0 R	22	36	50	1	<0.005	<2
CT021	840.0 R	24	28	42	1	<0.005	7
CT021	845.0 R	16	24	30	<1	<0.005	4
CT021	850.0 R	20	28	42	1	<0.005	2
CT021	855.0 R	10	16	20	1	<0.005	4
CT021	860.0 R	18	26	38	1	<0.005	5
CT021	865.0 R	14	20	36	1	<0.005	5
CT021	870.0 R	20	18	42	<1	<0.005	2

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ANALYTICAL REPORT

0130

JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021	875.0 R	16	22	38	1	<0.005	<2
CT021	880.0 R	22	28	250	1	<0.005	<2
CT021	885.0 R	20	16	60	2	<0.005	4
CT021	890.0 R	22	24	60	1	<0.005	2
CT021	895.0 R	20	18	48	3	<0.005	3
CT021	900.0 R	18	20	36	1	<0.005	5
CT021	905.0 R	22	28	44	3	<0.005	<2
CT021	910.0 R	22	24	70	2	<0.005	2
CT021	915.0 R	32	26	110	1	<0.005	8
CT021	920.0 R	18	22	65	<1	<0.005	4
CT021	925.0 R	18	16	60	<1	<0.005	4
CT021	930.0 R	18	22	60	<1	<0.005	<2
CT021	935.0 R	24	18	60	1	<0.005	3
CT021	940.0 R	22	22	60	<1	<0.005	7
CT021	945.0 R	30	20	60	<1	<0.005	3
CT021	950.0 R	28	26	60	<1	<0.005	<2
CT021	955.0 R	22	20	50	<1	<0.005	<2
CT021	960.0 R	20	16	50	<1	<0.005	2
CT021	965.0 R	26	24	60	<1	<0.005	2
CT021	970.0 R	24	26	60	<1	<0.005	<2
CT021	975.0 R	22	16	70	<1	<0.005	2
CT021	980.0 R	30	24	70	<1	<0.005	4
CT021	985.0 R	26	16	70	<1	<0.005	3
CT021	990.0 R	26	18	60	<1	<0.005	5
CT021	995.0 R	32	26	70	<1	<0.005	5

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0131

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 1000.0 R	18	16	55	<1	<0.005	8
CT021 1005.0 R	34	48	110	<1	<0.005	10
CT021 1010.0 R	22	18	65	<1	<0.005	4
CT021 1015.0 R	30	36	80	<1	<0.005	7
CT021 1020.0 R	18	20	60	<1	<0.005	10
CT021 1025.0 R	26	14	60	<1	<0.005	<2
CT021 1030.0 R	28	18	65	<1	<0.005	5
CT021 1035.0 R	18	16	55	<1	<0.005	4
CT021 1040.0 R	28	28	60	<1	<0.005	7
CT021 1045.0 R	22	18	60	<1	<0.005	5
CT021 1050.0 R	28	24	70	<1	<0.005	3
CT021 1055.0 R	65	20	65	<1	<0.005	6
CT021 1060.0 R	28	18	80	<1	<0.005	7
CT021 1065.0 R	26	22	70	<1	<0.005	5
CT021 1070.0 R	20	16	60	<1	<0.005	7
CT021 1075.0 R	30	22	70	<1	<0.005	4
CT021 1080.0 R	28	22	70	<1	<0.005	<2
CT021 1085.0 R	26	18	70	<1	<0.005	6
CT021 1090.0 R	24	20	70	<1	<0.005	<2
CT021 1095.0 R	30	22	70	<1	<0.005	4
CT021 1100.0 R	24	22	70	<1	<0.005	7
CT021 1105.0 R	32	26	70	<1	<0.005	8
CT021 1110.0 R	26	16	65	<1	<0.005	7
CT021 1115.0 R	26	18	65	<1	<0.005	6
CT021 1120.0 R	28	18	70	<1	<0.005	7

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

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Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 1125.0 R	26	30	90	<1	<0.005	9
CT021 1130.0 R	28	36	90	<1	<0.005	7
CT021 1135.0 R	34	75	130	<1	<0.005	7
CT021 1140.0 R	30	60	115	<1	<0.005	10
CT021 1145.0 R	26	26	60	<1	<0.005	9
CT021 1150.0 R	26	32	90	<1	<0.005	8
CT021 1155.0 R	26	30	90	<1	<0.005	9
CT021 1160.0 R	26	24	70	<1	<0.005	9
CT021 1165.0 R	36	24	80	<1	<0.005	8
CT021 1170.0 R	22	34	75	<1	<0.005	8
CT021 1175.0 R	28	22	70	<1	<0.005	9
CT021 1180.0 R	24	8	65	<1	<0.005	6
CT021 1185.0 R	32	12	70	<1	<0.005	6
CT021 1190.0 R	30	12	60	<1	<0.005	5
CT021 1195.0 R	28	8	60	<1	<0.005	10
CT021 1200.0 R	32	8	60	<1	<0.005	6
CT021 1205.0 R	40	8	60	<1	<0.005	7
CT021 1210.0 R	36	6	60	<1	<0.005	9
CT021 1215.0 R	24	6	48	<1	<0.005	10
CT021 1220.0 R	20	6	48	<1	<0.005	12
CT021 1225.0 R	22	6	50	<1	<0.005	9
CT021 1230.0 R	26	8	80	<1	<0.005	20
CT021 1235.0 R	20	6	50	<1	<0.005	8
CT021 1240.0 R	20	6	55	<1	<0.005	10
CT021 1245.0 R	26	8	60	<1	<0.005	14

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0133

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 1250.0 R	22	8	50	<1	<0.005	14
CT021 1255.0 R	16	8	60	<1	<0.005	6
CT021 1260.0 R	32	12	60	<1	<0.005	5
CT021 1265.0 R	24	12	60	<1	<0.005	4
CT021 1270.0 R	16	10	60	<1	<0.005	9
CT021 1275.0 R	20	12	50	<1	<0.005	4
CT021 1280.0 R	10	12	46	<1	<0.005	10
CT021 1285.0 R	22	12	60	<1	<0.005	<2
CT021 1290.0 R	22	10	70	<1	<0.005	7
CT021 1295.0 R	40	14	55	<1	<0.005	12
CT021 1300.0 R	16	16	50	<1	<0.005	6
CT021 1305.0 R	20	18	55	<1	<0.005	10
CT021 1310.0 R	14	10	70	<1	<0.005	10
CT021 1315.0 R	65	22	60	<1	<0.005	9
CT021 1320.0 R	20	12	70	<1	<0.005	12
CT021 1325.0 R	26	14	65	<1	<0.005	14
CT021 1330.0 R	18	20	60	<1	<0.005	<2
CT021 1335.0 R	28	22	50	<1	<0.005	7
CT021 1340.0 R	24	14	60	<1	<0.005	8
CT021 1345.0 R	22	12	60	<1	<0.005	5
CT021 1350.0 R	24	10	50	<1	<0.005	5
CT021 1355.0 R	65	20	60	<1	<0.005	10
CT021 1360.0 R	18	12	55	<1	<0.005	12
CT021 1365.0 R	12	18	60	<1	<0.005	10
CT021 1370.0 R	16	14	50	<1	<0.005	10

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0134

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 1375.0 R	16	14	36	<1	<0.005	9
CT021 1380.0 R	14	10	32	<1	<0.005	12
CT021 1385.0 R	22	6	70	<1	<0.005	6
CT021 1390.0 R	32	10	60	<1	<0.005	<2
CT021 1395.0 R	20	34	75	<1	<0.005	4
CT021 1400.0 R	24	34	80	<1	<0.005	<2
CT021 1405.0 R	22	22	100	<1	<0.005	<2
CT021 1410.0 R	26	38	145	<1	<0.005	<2
CT021 1415.0 R	28	10	90	<1	<0.005	<2
CT021 1420.0 R	30	12	80	<1	<0.005	<2
CT021 1425.0 R	34	12	70	<1	<0.005	<2
CT021 1430.0 R	46	12	80	<1	<0.005	<2
CT021 1435.0 R	28	16	75	<1	<0.005	<2
CT021 1440.0 R	20	12	60	<1	<0.005	4
CT021 1445.0 R	22	12	70	<1	<0.005	5
CT021 1450.0 R	20	10	60	<1	<0.005	10
CT021 1455.0 R	24	12	70	<1	<0.005	3
CT021 1460.0 R	26	14	60	<1	<0.005	<2
CT021 1465.0 R	28	10	70	<1	<0.005	3
CT021 1470.0 R	18	12	60	<1	<0.005	<2
CT021 1475.0 R	34	16	65	<1	<0.005	2
CT021 1480.0 R	22	12	70	<1	<0.005	5
CT021 1485.0 R	30	12	70	<1	<0.005	6
CT021 1490.0 R	20	12	60	<1	<0.005	5
CT021 1495.0 R	22	12	65	<1	<0.005	3

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0135

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 1500.0 R	16	10	60	<1	<0.005	4
CT021 1505.0 R	20	12	70	<1	<0.005	<2
CT021 1510.0 R	26	10	70	<1	<0.005	<2
CT021 1515.0 R	24	20	70	1	<0.005	3
CT021 1520.0 R	20	14	75	1	<0.005	<2
CT021 1525.0 R	22	10	60	<1	<0.005	3
CT021 1530.0 R	24	10	70	<1	<0.005	<2
CT021 1535.0 R	24	20	70	<1	<0.005	5
CT021 1540.0 R	22	12	80	<1	<0.005	6
CT021 1545.0 R	18	12	70	<1	<0.005	3
CT021 1550.0 R	26	12	70	<1	<0.005	5
CT021 1555.0 R	30	16	80	<1	<0.005	<2
CT021 1560.0 R	26	22	80	<1	<0.005	<2
CT021 1565.0 R	30	14	80	<1	<0.005	<2
CT021 1570.0 R	32	16	80	<1	<0.005	<2
CT021 1575.0 R	24	10	75	<1	<0.005	<2
CT021 1580.0 R	18	12	65	<1	<0.005	<2
CT021 1585.0 R	20	12	70	<1	<0.005	3
CT021 1590.0 R	30	18	75	<1	<0.005	9
CT021 1595.0 R	42	10	80	<1	<0.005	<2
CT021 1600.0 R	18	12	70	<1	<0.005	<2
CT021 1605.0 R	20	10	60	<1	<0.005	<2
CT021 1610.0 R	38	26	80	<1	<0.005	2
CT021 1615.0 R	36	10	80	<1	<0.005	<2
CT021 1620.0 R	20	12	70	<1	<0.005	<2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0136

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 1625.0 R	20	8	70	<1	<0.005	<2
CT021 1630.0 R	26	16	70	<1	<0.005	5
CT021 1635.0 R	24	14	70	<1	<0.005	<2
CT021 1640.0 R	24	10	70	<1	<0.005	<2
CT021 1645.0 R	20	8	65	<1	<0.005	<2
CT021 1650.0 R	26	10	65	<1	<0.005	<2
CT021 1655.0 R	44	46	90	<1	<0.005	<2
CT021 1660.0 R	24	16	80	<1	<0.005	<2
CT021 1665.0 R	26	16	80	<1	<0.005	<2
CT021 1670.0 R	22	12	70	<1	<0.005	<2
CT021 1675.0 R	20	16	60	<1	<0.005	<2
CT021 1680.0 R	16	16	70	<1	<0.005	<2
CT021 1685.0 R	18	14	80	<1	<0.005	<2
CT021 1690.0 R	20	12	70	<1	<0.005	2
CT021 1695.0 R	24	12	80	<1	<0.005	<2
CT021 1700.0 R	22	16	75	1	<0.005	<2
CT021 1705.0 R	18	16	70	<1	<0.005	<2
CT021 1710.0 R	18	16	70	<1	<0.005	<2
CT021 1715.0 R	50	30	65	<1	<0.005	4
CT021 1720.0 R	16	16	70	<1	<0.005	<2
CT021 1725.0 R	16	10	70	<1	<0.005	<2
CT021 1730.0 R	18	14	65	<1	<0.005	<2
CT021 1735.0 R	20	18	70	<1	<0.005	<2
CT021 1740.0 R	20	14	70	<1	<0.005	<2
CT021 1745.0 R	18	16	70	<1	<0.005	<2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0137

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT021 1750.0 R	42	20	80	<1	<0.005	4
CT021 1755.0 R	20	14	80	<1	<0.005	5
CT021 1760.0 R	18	12	70	1	<0.005	<2
CT021 1765.0 R	18	12	65	<1	<0.005	5
CT021 1770.0 R	32	16	60	<1	<0.005	2
CT021 1775.0 R	20	14	70	<1	<0.005	8
CT021 1780.0 R	14	14	65	<1	<0.005	5
CT021 1785.0 R	30	16	60	<1	<0.005	<2
CT021 1790.0 R	20	12	60	<1	<0.005	<2
CT021 1795.0 R	18	14	60	<1	<0.005	<2
CT021 1800.0 R	34	18	60	<1	<0.005	<2
CT021 1805.0 R	55	24	60	1	<0.005	18
CT021 1810.0 R	32	12	36	1	<0.005	10
CT021 1815.0 R	20	10	32	1	<0.005	2
CT021 1820.0 R	80	28	65	1	<0.005	2
CT021 1825.0 R	24	8	75	<1	<0.005	<2
CT021 1830.0 R	32	10	75	<1	<0.005	<2
CT021 1835.0 R	28	12	70	<1	<0.005	6
CT021 1840.0 R	4	<4	4	<1	<0.005	<2
CT021 1845.0 R	28	14	75	<1	<0.005	4
CT021 1850.0 R	24	14	75	<1	<0.005	<2
CT021 1855.0 R	38	8	75	<1	<0.005	4
CT021 1860.0 R	26	14	65	<1	<0.005	<2
CT021 1865.0 R	24	8	70	<1	<0.005	2
CT021 1870.0 R	30	8	75	<1	<0.005	2

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017	0.0 R	22	8	70	<1	<0.005	8
CT017	5.0 R	26	12	75	<1	<0.005	3
CT017	10.0 R	24	8	80	<1	<0.005	10
CT017	15.0 R	30	10	65	<1	<0.005	<2
CT017	20.0 R	55	50	55	<1	<0.005	4
CT017	25.0 R	38	8	44	<1	<0.005	<2
CT017	30.0 R	20	16	90	<1	<0.005	2
CT017	35.0 R	20	10	65	1	<0.005	9
CT017	40.0 R	18	10	65	<1	<0.005	8
CT017	45.0 R	32	8	90	<1	<0.005	12
CT017	50.0 R	30	10	75	<1	<0.005	9
CT017	55.0 R	34	12	70	<1	<0.005	5
CT017	60.0 R	32	14	75	<1	<0.005	5
CT017	65.0 R	40	12	70	<1	<0.005	6
CT017	70.0 R	32	12	90	<1	<0.005	9
CT017	75.0 R	30	8	80	<1	<0.005	7
CT017	80.0 R	34	10	80	<1	<0.005	5
CT017	85.0 R	40	8	95	<1	<0.005	6
CT017	90.0 R	42	4	85	<1	<0.005	<2
CT017	95.0 R	34	8	80	<1	<0.005	<2
CT017	100.0 R	38	6	65	<1	<0.005	<2
CT017	105.0 R	28	10	60	<1	<0.005	2
CT017	110.0 R	28	6	65	<1	<0.005	9
CT017	115.0 R	30	8	60	<1	<0.005	<2
CT017	120.0 R	40	6	42	<1	<0.005	<2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0139

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 125.0 R	26	6	110	<1	<0.005	<2
CT017 130.0 R	20	6	90	<1	<0.005	4
CT017 135.0 R	22	8	95	<1	<0.005	<2
CT017 140.0 R	20	8	75	<1	<0.005	2
CT017 145.0 R	16	10	70	<1	<0.005	<2
CT017 150.0 R	28	8	85	<1	<0.005	<2
CT017 155.0 R	28	6	55	<1	<0.005	2
CT017 160.0 R	26	24	65	<1	<0.005	<2
CT017 165.0 R	32	8	42	<1	<0.005	2
CT017 170.0 R	34	6	36	<1	<0.005	22
CT017 175.0 R	32	<4	65	<1	<0.005	<2
CT017 180.0 R	24	6	75	<1	<0.005	<2
CT017 185.0 R	22	4	75	<1	<0.005	3
CT017 190.0 R	26	4	75	<1	<0.005	2
CT017 195.0 R	18	<4	75	<1	<0.005	8
CT017 200.0 R	18	6	55	<1	<0.005	7
CT017 205.0 R	38	<4	85	<1	<0.005	5
CT017 210.0 R	28	12	90	<1	<0.005	18
CT017 215.0 R	40	8	75	<1	<0.005	8
CT017 220.0 R	32	8	70	<1	<0.005	8
CT017 225.0 R	28	6	70	<1	<0.005	6
CT017 230.0 R	34	8	85	<1	<0.005	9
CT017 235.0 R	34	6	90	<1	<0.005	7
CT017 240.0 R	44	10	90	<1	<0.005	12
CT017 245.0 R	38	<4	70	<1	<0.005	9

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0140

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 250.0 R	36	12	75	<1	<0.005	5
CT017 255.0 R	30	6	70	<1	<0.005	12
CT017 260.0 R	36	14	65	<1	<0.005	10
CT017 265.0 R	42	8	85	<1	<0.005	8
CT017 270.0 R	24	6	90	<1	<0.005	10
CT017 275.0 R	34	10	80	<1	<0.005	6
CT017 280.0 R	55	8	75	<1	<0.005	7
CT017 285.0 R	24	6	75	<1	<0.005	12
CT017 290.0 R	22	20	75	<1	<0.005	12
CT017 295.0 R	20	8	75	<1	<0.005	10
CT017 300.0 R	16	4	75	<1	<0.005	16
CT017 305.0 R	32	6	85	<1	<0.005	12
CT017 310.0 R	26	<4	85	<1	<0.005	6
CT017 315.0 R	30	6	70	1	<0.005	10
CT017 320.0 R	34	18	55	1	<0.005	12
CT017 325.0 R	24	<4	70	1	<0.005	7
CT017 330.0 R	32	<4	80	<1	<0.005	6
CT017 335.0 R	24	<4	65	<1	<0.005	12
CT017 340.0 R	24	14	75	<1	<0.005	6
CT017 345.0 R	22	4	55	<1	<0.005	6
CT017 350.0 R	24	<4	85	<1	<0.005	2
CT017 355.0 R	40	10	70	<1	<0.005	3
CT017 360.0 R	20	4	70	<1	<0.005	3
CT017 365.0 R	36	<4	70	<1	<0.005	<2
CT017 370.0 R	48	6	75	<1	<0.005	3

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017	375.0 R	65	14	85	1	<0.005	5
CT017	380.0 R	34	28	80	<1	<0.005	2
CT017	385.0 R	26	8	80	<1	<0.005	4
CT017	390.0 R	24	8	80	<1	<0.005	5
CT017	395.0 R	24	8	85	<1	<0.005	<2
CT017	400.0 R	22	6	90	<1	<0.005	3
CT017	405.0 R	24	10	85	<1	<0.005	2
CT017	410.0 R	20	12	70	<1	<0.005	10
CT017	415.0 R	22	14	80	<1	<0.005	8
CT017	420.0 R	36	14	80	<1	<0.005	5
CT017	425.0 R	16	10	70	<1	<0.005	<2
CT017	430.0 R	20	8	70	1	<0.005	4
CT017	435.0 R	16	6	60	1	<0.005	<2
CT017	440.0 R	18	14	65	<1	<0.005	<2
CT017	445.0 R	22	8	50	<1	<0.005	4
CT017	450.0 R	22	8	110	<1	<0.005	<2
CT017	455.0 R	26	18	80	<1	<0.005	<2
CT017	460.0 R	26	6	80	<1	<0.005	3
CT017	465.0 R	55	<4	60	<1	<0.005	8
CT017	470.0 R	12	<4	70	<1	<0.005	5
CT017	475.0 R	28	<4	44	<1	<0.005	12
CT017	480.0 R	18	<4	70	<1	<0.005	4
CT017	485.0 R	18	<4	80	<1	<0.005	4
CT017	490.0 R	30	<4	80	<1	<0.005	4
CT017	495.0 R	20	<4	90	<1	<0.005	10

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0142

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT017	500.0 R	20	<4	60	<1	<0.005	3
CT017	505.0 R	16	8	70	1	<0.005	3
CT017	510.0 R	22	8	75	<1	<0.005	<2
CT017	515.0 R	18	6	90	<1	<0.005	<2
CT017	520.0 R	22	10	80	<1	<0.005	<2
CT017	525.0 R	22	14	60	<1	<0.005	<2
CT017	530.0 R	26	14	70	<1	<0.005	<2
CT017	535.0 R	28	12	70	<1	<0.005	<2
CT017	540.0 R	22	12	70	<1	<0.005	5
CT017	545.0 R	22	8	60	<1	<0.005	<2
CT017	550.0 R	16	14	80	<1	<0.005	<2
CT017	555.0 R	18	12	70	<1	<0.005	<2
CT017	560.0 R	14	8	70	<1	<0.005	5
CT017	565.0 R	22	8	65	<1	<0.005	<2
CT017	570.0 R	34	10	65	<1	<0.005	5
CT017	575.0 R	22	6	75	<1	<0.005	4
CT017	580.0 R	46	8	75	1	<0.005	3
CT017	585.0 R	16	10	70	1	<0.005	<2
CT017	590.0 R	50	26	50	1	<0.005	4
CT017	595.0 R	20	10	70	1	<0.005	2
CT017	600.0 R	30	12	70	1	<0.005	2
CT017	605.0 R	26	12	70	1	<0.005	<2
CT017	610.0 R	20	6	80	<1	<0.005	<2
CT017	615.0 R	24	6	75	<1	<0.005	7
CT017	620.0 R	26	4	80	<1	<0.005	2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0143

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT017	625.0 R	20	6	75	<1	<0.005	5
CT017	630.0 R	18	<4	70	<1	<0.005	4
CT017	635.0 R	30	8	80	<1	<0.005	6
CT017	640.0 R	80	40	80	<1	<0.005	<2
CT017	645.0 R	24	4	80	<1	<0.005	<2
CT017	650.0 R	24	<4	90	<1	<0.005	<2
CT017	655.0 R	60	6	70	<1	<0.005	8
CT017	660.0 R	24	<4	36	<1	<0.005	3
CT017	665.0 R	32	6	75	<1	<0.005	3
CT017	670.0 R	42	8	60	<1	<0.005	9
CT017	675.0 R	22	8	34	<1	<0.005	14
CT017	680.0 R	38	20	70	<1	<0.005	<2
CT017	685.0 R	34	24	70	1	<0.005	8
CT017	690.0 R	36	20	50	1	<0.005	7
CT017	695.0 R	46	26	80	<1	<0.005	<2
CT017	700.0 R	38	20	90	1	<0.005	5
CT017	705.0 R	55	26	90	1	<0.005	2
CT017	710.0 R	44	16	100	1	<0.005	<2
CT017	715.0 R	34	16	85	1	<0.005	4
CT017	720.0 R	16	16	80	<1	<0.005	<2
CT017	725.0 R	26	14	80	<1	<0.005	<2
CT017	730.0 R	42	18	60	<1	<0.005	8
CT017	735.0 R	22	14	70	<1	<0.005	9
CT017	740.0 R	18	14	85	<1	<0.005	6
CT017	745.0 R	24	12	70	<1	<0.005	3

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

SAMPLE		Cu	Pb	Zn	Ag	Au	As
CT017	750.0 R	22	12	80	<1	<0.005	3
CT017	755.0 R	26	14	90	<1	<0.005	5
CT017	760.0 R	20	14	90	<1	<0.005	<2
CT017	765.0 R	34	16	80	<1	<0.005	10
CT017	770.0 R	30	14	80	<1	<0.005	6
CT017	775.0 R	16	14	85	<1	<0.005	<2
CT017	780.0 R	22	12	90	<1	<0.005	<2
CT017	785.0 R	22	12	95	<1	<0.005	4
CT017	790.0 R	20	14	125	<1	<0.005	7
CT017	795.0 R	34	12	60	<1	<0.005	10
CT017	800.0 R	10	10	80	<1	<0.005	14
CT017	805.0 R	16	10	60	<1	<0.005	12
CT017	810.0 R	22	12	80	<1	<0.005	9
CT017	815.0 R	28	14	80	<1	<0.005	4
CT017	820.0 R	22	14	90	<1	<0.005	<2
CT017	825.0 R	28	16	90	<1	<0.005	<2
CT017	830.0 R	34	12	85	<1	<0.005	<2
CT017	835.0 R	32	10	75	<1	<0.005	3
CT017	840.0 R	26	6	85	<1	<0.005	2
CT017	845.0 R	28	<4	75	<1	<0.005	12
CT017	850.0 R	22	<4	90	<1	<0.005	5
CT017	855.0 R	46	6	90	<1	<0.005	<2
CT017	860.0 R	30	6	85	<1	<0.005	<2
CT017	865.0 R	20	6	80	<1	<0.005	<2
CT017	870.0 R	18	<4	85	<1	<0.005	<2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

Results in ppm

0145

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 875.0 R	20	<4	75	<1	<0.005	3
CT017 880.0 R	20	<4	80	<1	<0.005	12
CT017 885.0 R	34	<4	65	<1	<0.005	12
CT017 890.0 R	34	<4	65	<1	<0.005	16
CT017 895.0 R	20	16	80	<1	<0.005	<2
CT017 900.0 R	30	<4	46	<1	<0.005	22
CT017 905.0 R	22	<4	70	<1	<0.005	12
CT017 910.0 R	24	<4	65	<1	<0.005	14
CT017 915.0 R	30	6	80	<1	<0.005	3
CT017 920.0 R	28	<4	75	<1	<0.005	2
CT017 925.0 R	32	<4	75	<1	<0.005	<2
CT017 930.0 R	26	6	70	<1	<0.005	2
CT017 935.0 R	18	<4	75	<1	<0.005	9
CT017 940.0 R	20	12	80	<1	<0.005	10
CT017 945.0 R	20	10	75	<1	<0.005	2
CT017 950.0 R	24	8	70	<1	<0.005	7
CT017 955.0 R	18	6	65	<1	<0.005	4
CT017 960.0 R	20	<4	70	<1	<0.005	6
CT017 965.0 R	22	<4	55	<1	<0.005	12
CT017 970.0 R	30	<4	70	<1	<0.005	4
CT017 975.0 R	18	<4	44	<1	<0.005	10
CT017 980.0 R	28	18	75	<1	<0.005	<2
CT017 985.0 R	24	18	80	<1	<0.005	<2
CT017 990.0 R	24	16	75	<1	<0.005	7
CT017 995.0 R	26	12	70	<1	<0.005	5

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ANALYTICAL REPORT

0146

JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1000.0 R	26	14	80	<1	<0.005	4
CT017 1005.0 R	36	16	70	<1	<0.005	5
CT017 1010.0 R	34	12	85	<1	<0.005	7
CT017 1015.0 R	26	16	80	<1	<0.005	7
CT017 1020.0 R	24	12	75	<1	<0.005	14
CT017 1025.0 R	30	10	75	<1	<0.005	14
CT017 1030.0 R	20	6	65	<1	<0.005	18
CT017 1035.0 R	20	16	70	<1	<0.005	16
CT017 1040.0 R	22	12	75	<1	<0.005	10
CT017 1045.0 R	26	10	60	<1	<0.005	9
CT017 1050.0 R	24	34	60	<1	<0.005	12
CT017 1055.0 R	34	24	80	<1	<0.005	14
CT017 1060.0 R	24	6	75	<1	<0.005	9
CT017 1065.0 R	16	12	70	<1	<0.005	8
CT017 1070.0 R	24	8	140	<1	<0.005	7
CT017 1075.0 R	30	12	270	<1	0.250	6
CT017 1080.0 R	34	18	340	<1	<0.005	8
CT017 1085.0 R	36	16	270	<1	<0.005	6
CT017 1090.0 R	38	4	180	<1	<0.005	9
CT017 1095.0 R	65	4	50	<1	<0.005	18
CT017 1100.0 R	36	26	185	<1	<0.005	8
CT017 1105.0 R	32	28	150	<1	<0.005	9
CT017 1110.0 R	65	32	160	<1	<0.005	7
CT017 1115.0 R	36	12	90	<1	<0.005	2
CT017 1120.0 R	48	16	120	<1	<0.005	2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0147

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1125.0 R	60	18	140	<1	<0.005	<2
CT017 1130.0 R	55	20	70	<1	<0.005	2
CT017 1135.0 R	30	30	280	<1	<0.005	12
CT017 1140.0 R	40	26	175	<1	<0.005	9
CT017 1145.0 R	44	16	120	<1	<0.005	7
CT017 1150.0 R	24	18	190	<1	<0.005	6
CT017 1155.0 R	32	16	280	<1	<0.005	8
CT017 1160.0 R	34	24	210	<1	<0.005	6
CT017 1165.0 R	60	38	210	<1	<0.005	6
CT017 1170.0 R	60	30	480	<1	<0.005	12
CT017 1175.0 R	32	28	320	<1	<0.005	5
CT017 1180.0 R	24	28	300	<1	<0.005	7
CT017 1185.0 R	20	20	90	<1	<0.005	14
CT017 1190.0 R	20	18	60	<1	<0.005	18
CT017 1195.0 R	14	20	50	<1	<0.005	22
CT017 1200.0 R	22	22	60	<1	<0.005	24
CT017 1205.0 R	22	20	80	<1	<0.005	18
CT017 1210.0 R	26	26	70	<1	<0.005	14
CT017 1215.0 R	32	24	80	<1	<0.005	16
CT017 1220.0 R	22	20	100	<1	<0.005	3
CT017 1225.0 R	34	18	85	<1	<0.005	12
CT017 1230.0 R	18	16	65	<1	<0.005	22
CT017 1235.0 R	22	20	70	<1	<0.005	18
CT017 1240.0 R	26	18	70	<1	<0.005	14
CT017 1245.0 R	22	16	80	<1	<0.005	12

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0148

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1250.0 R	30	20	70	<1	<0.005	12
CT017 1255.0 R	24	20	60	<1	<0.005	18
CT017 1260.0 R	22	18	65	<1	<0.005	9
CT017 1265.0 R	20	20	70	<1	<0.005	18
CT017 1270.0 R	26	20	80	<1	<0.005	16
CT017 1275.0 R	32	28	80	<1	<0.005	10
CT017 1280.0 R	20	12	65	<1	<0.005	10
CT017 1285.0 R	24	10	75	<1	<0.005	6
CT017 1290.0 R	26	6	75	<1	<0.005	8
CT017 1295.0 R	32	20	75	<1	<0.005	4
CT017 1300.0 R	18	14	70	<1	<0.005	9
CT017 1305.0 R	18	8	80	<1	<0.005	14
CT017 1310.0 R	20	12	80	<1	<0.005	4
CT017 1315.0 R	32	16	75	<1	<0.005	12
CT017 1320.0 R	28	10	85	<1	<0.005	5
CT017 1325.0 R	28	8	65	<1	<0.005	8
CT017 1330.0 R	26	10	65	<1	<0.005	5
CT017 1335.0 R	26	16	70	<1	<0.005	10
CT017 1340.0 R	24	14	70	<1	<0.005	8
CT017 1345.0 R	22	14	60	<1	<0.005	8
CT017 1350.0 R	26	6	55	<1	<0.005	10
CT017 1355.0 R	22	10	85	<1	<0.005	8
CT017 1360.0 R	28	8	65	<1	<0.005	8
CT017 1365.0 R	26	8	60	<1	<0.005	14
CT017 1370.0 R	24	6	75	<1	<0.005	9

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ANALYTICAL REPORT

0149

JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1375.0 R	22	8	65	<1	<0.005	9
CT017 1380.0 R	18	10	55	<1	<0.005	12
CT017 1385.0 R	20	10	38	<1	<0.005	4
CT017 1390.0 R	20	10	60	<1	<0.005	5
CT017 1395.0 R	22	4	90	<1	<0.005	16
CT017 1400.0 R	42	6	75	<1	<0.005	3
CT017 1405.0 R	20	<4	60	<1	<0.005	12
CT017 1410.0 R	26	<4	65	<1	<0.005	3
CT017 1415.0 R	24	<4	75	<1	<0.005	5
CT017 1420.0 R	18	<4	75	<1	<0.005	7
CT017 1425.0 R	32	<4	65	<1	<0.005	<2
CT017 1430.0 R	60	18	60	<1	<0.005	12
CT017 1435.0 R	42	16	80	<1	<0.005	5
CT017 1440.0 R	32	14	48	<1	<0.005	3
CT017 1445.0 R	38	12	46	<1	<0.005	<2
CT017 1450.0 R	22	10	42	<1	<0.005	<2
CT017 1455.0 R	22	10	42	<1	<0.005	<2
CT017 1460.0 R	32	14	46	<1	<0.005	<2
CT017 1465.0 R	18	12	36	<1	<0.005	4
CT017 1470.0 R	32	18	36	<1	<0.005	16
CT017 1475.0 R	20	18	32	<1	<0.005	10
CT017 1480.0 R	32	44	95	<1	<0.005	18
CT017 1485.0 R	28	8	60	<1	<0.005	28
CT017 1490.0 R	14	10	60	<1	<0.005	8
CT017 1495.0 R	12	12	70	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0150

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1500.0 R	26	12	80	<1	<0.005	9
CT017 1505.0 R	14	14	80	<1	<0.005	7
CT017 1510.0 R	12	12	70	<1	<0.005	6
CT017 1515.0 R	8	10	50	<1	<0.005	4
CT017 1520.0 R	14	16	80	<1	<0.005	7
CT017 1525.0 R	14	16	70	<1	<0.005	7
CT017 1530.0 R	12	20	90	<1	<0.005	14
CT017 1535.0 R	16	16	50	<1	<0.005	32
CT017 1540.0 R	18	24	60	<1	<0.005	16
CT017 1545.0 R	14	16	40	<1	<0.005	8
CT017 1550.0 R	24	28	46	<1	<0.005	7
CT017 1555.0 R	18	20	48	<1	<0.005	12
CT017 1560.0 R	14	16	36	<1	<0.005	16
CT017 1565.0 R	20	26	50	<1	<0.005	10
CT017 1570.0 R	14	24	70	<1	<0.005	12
CT017 1575.0 R	12	18	50	<1	<0.005	12
CT017 1580.0 R	18	20	55	<1	<0.005	6
CT017 1585.0 R	22	16	55	<1	<0.005	10
CT017 1590.0 R	30	12	60	<1	<0.005	16
CT017 1595.0 R	16	6	60	<1	<0.005	12
CT017 1600.0 R	70	10	50	<1	<0.005	6
CT017 1605.0 R	20	10	60	<1	<0.005	8
CT017 1610.0 R	18	10	55	<1	<0.005	10
CT017 1615.0 R	18	10	55	<1	<0.005	9
CT017 1620.0 R	18	10	60	<1	<0.005	10

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0151

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1625.0 R	20	12	55	<1	<0.005	3
CT017 1630.0 R	16	12	38	<1	<0.005	7
CT017 1635.0 R	22	10	50	<1	<0.005	8
CT017 1640.0 R	16	6	60	<1	<0.005	14
CT017 1645.0 R	16	8	50	<1	<0.005	4
CT017 1650.0 R	12	6	38	<1	<0.005	16
CT017 1655.0 R	14	8	44	<1	<0.005	4
CT017 1660.0 R	14	6	28	<1	<0.005	12
CT017 1665.0 R	20	<4	46	<1	<0.005	10
CT017 1670.0 R	22	6	50	<1	<0.005	6
CT017 1675.0 R	14	6	42	<1	<0.005	10
CT017 1680.0 R	14	6	44	<1	<0.005	7
CT017 1685.0 R	24	8	50	<1	<0.005	5
CT017 1690.0 R	22	10	70	<1	<0.005	5
CT017 1695.0 R	16	12	55	<1	<0.005	9
CT017 1700.0 R	16	14	65	<1	<0.005	9
CT017 1705.0 R	24	16	65	<1	<0.005	<2
CT017 1710.0 R	26	20	60	<1	<0.005	5
CT017 1715.0 R	18	18	65	<1	<0.005	9
CT017 1720.0 R	18	16	65	<1	<0.005	7
CT017 1725.0 R	18	10	65	<1	<0.005	3
CT017 1730.0 R	18	16	65	<1	<0.005	<2
CT017 1735.0 R	20	16	55	<1	<0.005	2
CT017 1740.0 R	18	14	55	<1	<0.005	4
CT017 1745.0 R	16	10	55	<1	<0.005	5

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0152

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1750.0 R	18	8	70	<1	<0.005	6
CT017 1755.0 R	18	12	55	<1	<0.005	7
CT017 1760.0 R	14	<4	46	<1	<0.005	7
CT017 1765.0 R	16	14	55	<1	<0.005	7
CT017 1770.0 R	26	6	50	<1	<0.005	6
CT017 1775.0 R	20	8	48	<1	<0.005	8
CT017 1780.0 R	18	6	50	<1	<0.005	5
CT017 1785.0 R	18	10	55	<1	<0.005	4
CT017 1790.0 R	18	10	60	<1	<0.005	8
CT017 1795.0 R	20	10	60	<1	<0.005	4
CT017 1800.0 R	20	10	55	<1	<0.005	9
CT017 1805.0 R	16	10	70	<1	<0.005	3
CT017 1810.0 R	14	6	65	<1	<0.005	9
CT017 1815.0 R	16	4	50	<1	<0.005	<2
CT017 1820.0 R	12	8	38	<1	<0.005	4
CT017 1825.0 R	18	16	55	<1	<0.005	8
CT017 1830.0 R	18	10	44	<1	<0.005	9
CT017 1835.0 R	14	12	42	<1	<0.005	9
CT017 1840.0 R	20	16	44	<1	<0.005	9
CT017 1845.0 R	16	14	55	<1	<0.005	12
CT017 1850.0 R	18	12	60	<1	<0.005	10
CT017 1855.0 R	18	8	85	<1	<0.005	12
CT017 1860.0 R	20	14	70	<1	<0.005	14
CT017 1865.0 R	18	8	75	<1	<0.005	8
CT017 1870.0 R	20	8	90	<1	<0.005	2

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ANALYTICAL REPORT

0153

JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017 1875.0 R	20	<4	85	<1	<0.005	12
CT017 1880.0 R	22	12	70	<1	<0.005	8
CT017 1885.0 R	28	16	70	<1	<0.005	5
CT017 1890.0 R	22	8	55	<1	<0.005	3
CT017 1895.0 R	24	<4	65	<1	<0.005	<2
CT017 1900.0 R	22	<4	55	<1	<0.005	3
CT017 1905.0 R	24	<4	60	<1	<0.005	7
CT017 1910.0 R	20	<4	60	<1	<0.005	9
CT017 1915.0 R	24	8	85	<1	<0.005	4
CT017 1920.0 R	24	12	70	<1	<0.005	4
CT017 1925.0 R	22	14	60	<1	<0.005	7
CT017 1930.0 R	18	10	48	<1	<0.005	9
CT017 1935.0 R	18	14	60	<1	<0.005	4
CT017 1940.0 R	22	8	50	<1	<0.005	9
CT017 1945.0 R	22	14	60	<1	<0.005	7
CT017 1950.0 R	20	14	65	<1	<0.005	4
CT017 1955.0 R	26	18	55	<1	<0.005	7
CT017 1960.0 R	28	8	60	<1	<0.005	3
CT017 1965.0 R	22	10	50	<1	<0.005	8
CT017 1970.0 R	22	14	55	<1	<0.005	6
CT017 1975.0 R	16	10	55	<1	<0.005	9
CT017 1980.0 R	20	6	55	<1	<0.005	5
CT017 1985.0 R	22	16	60	<1	<0.005	4
CT017 1990.0 R	22	10	55	<1	<0.005	4
CT017 1995.0 R	20	14	60	<1	<0.005	2

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0154

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT017	2000.0 R	20	24	70	<1	<0.005	10
CT014	0.0 R	22	10	60	<1	<0.005	<2
CT014	5.0 R	16	6	48	<1	<0.005	<2
CT014	10.0 R	34	8	80	<1	<0.005	3
CT014	15.0 R	26	6	75	<1	<0.005	5
CT014	20.0 R	26	4	65	<1	<0.005	2
CT014	25.0 R	20	18	50	<1	<0.005	5
CT014	30.0 R	24	16	70	<1	<0.005	4
CT014	35.0 R	34	26	130	<1	<0.005	6
CT014	40.0 R	65	20	220	<1	<0.005	<2
CT014	45.0 R	38	26	190	<1	<0.005	<2
CT014	50.0 R	36	24	140	<1	<0.005	<2
CT014	55.0 R	22	16	80	<1	<0.005	9
CT014	60.0 R	26	18	80	<1	<0.005	2
CT014	65.0 R	32	20	75	<1	<0.005	<2
CT014	70.0 R	34	18	60	<1	<0.005	<2
CT014	75.0 R	18	10	70	<1	<0.005	<2
CT014	80.0 R	28	18	85	<1	<0.005	<2
CT014	85.0 R	20	16	70	<1	<0.005	7
CT014	90.0 R	28	12	70	<1	<0.005	3
CT014	95.0 R	22	20	100	<1	<0.005	<2
CT014	100.0 R	20	12	80	<1	<0.005	5
CT014	105.0 R	18	50	210	<1	<0.005	9
CT014	110.0 R	24	22	90	<1	<0.005	7
CT014	115.0 R	28	30	110	<1	<0.005	12

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

Results in ppm

0155

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014	120.0 R	26	16	90	<1	<0.005	7
CT014	125.0 R	24	24	90	<1	<0.005	12
CT014	130.0 R	24	18	90	<1	<0.005	16
CT014	135.0 R	26	18	90	<1	<0.005	8
CT014	140.0 R	28	20	80	<1	<0.005	<2
CT014	145.0 R	26	20	80	<1	<0.005	<2
CT014	150.0 R	30	16	80	<1	<0.005	3
CT014	155.0 R	26	22	80	<1	<0.005	<2
CT014	160.0 R	36	18	80	<1	<0.005	5
CT014	165.0 R	34	18	85	<1	<0.005	2
CT014	170.0 R	34	48	90	<1	<0.005	12
CT014	175.0 R	36	26	80	<1	<0.005	14
CT014	180.0 R	24	16	90	<1	<0.005	8
CT014	185.0 R	46	22	115	<1	<0.005	<2
CT014	190.0 R	44	18	100	<1	<0.005	9
CT014	195.0 R	38	18	85	<1	<0.005	10
CT014	200.0 R	34	24	80	<1	<0.005	8
CT014	205.0 R	36	16	80	<1	<0.005	12
CT014	210.0 R	32	20	75	<1	<0.005	12
CT014	215.0 R	42	32	80	<1	<0.005	16
CT014	220.0 R	34	18	80	<1	<0.005	14
CT014	225.0 R	26	12	80	<1	<0.005	14
CT014	230.0 R	46	26	70	<1	<0.005	12
CT014	235.0 R	34	16	80	<1	<0.005	16
CT014	240.0 R	44	32	60	<1	<0.005	9

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014	245.0 R	20	18	60	<1	<0.005	10
CT014	250.0 R	22	22	60	<1	<0.005	10
CT014	255.0 R	34	18	80	<1	<0.005	16
CT014	260.0 R	26	16	75	<1	<0.005	10
CT014	265.0 R	36	32	80	<1	<0.005	8
CT014	270.0 R	24	14	70	<1	<0.005	7
CT014	275.0 R	65	26	85	<1	<0.005	14
CT014	280.0 R	32	22	80	<1	<0.005	10
CT014	285.0 R	20	16	90	<1	<0.005	16
CT014	290.0 R	18	20	80	<1	<0.005	9
CT014	295.0 R	65	12	80	<1	<0.005	10
CT014	300.0 R	22	12	75	<1	<0.005	5
CT014	305.0 R	16	12	80	<1	<0.005	14
CT014	310.0 R	70	36	70	<1	<0.005	9
CT014	315.0 R	12	18	80	<1	<0.005	10
CT014	320.0 R	28	24	80	<1	<0.005	5
CT014	325.0 R	22	12	70	<1	<0.005	4
CT014	330.0 R	24	10	75	<1	<0.005	10
CT014	335.0 R	28	12	80	<1	<0.005	5
CT014	340.0 R	26	14	90	<1	<0.005	4
CT014	345.0 R	40	16	100	<1	<0.005	2
CT014	350.0 R	44	34	290	<1	<0.005	14
CT014	355.0 R	24	8	290	<1	<0.005	18
CT014	360.0 R	38	30	80	<1	<0.005	7
CT014	365.0 R	26	10	90	<1	<0.005	6

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014	370.0 R	20	14	95	<1	<0.005	3
CT014	375.0 R	16	10	90	<1	<0.005	<2
CT014	380.0 R	20	12	85	<1	<0.005	10
CT014	385.0 R	28	22	90	<1	<0.005	<2
CT014	390.0 R	30	12	90	<1	<0.005	12
CT014	395.0 R	18	14	90	<1	<0.005	7
CT014	400.0 R	24	14	80	<1	<0.005	5
CT014	405.0 R	16	14	85	<1	<0.005	2
CT014	410.0 R	14	16	85	<1	<0.005	4
CT014	415.0 R	70	22	70	<1	<0.005	6
CT014	420.0 R	16	16	85	<1	<0.005	5
CT014	425.0 R	28	30	70	<1	<0.005	7
CT014	430.0 R	18	20	70	<1	<0.005	2
CT014	435.0 R	26	14	80	<1	<0.005	16
CT014	440.0 R	28	22	70	<1	<0.005	20
CT014	445.0 R	18	14	80	<1	<0.005	5
CT014	450.0 R	46	24	70	<1	<0.005	9
CT014	455.0 R	28	14	70	<1	<0.005	7
CT014	460.0 R	40	30	70	<1	<0.005	8
CT014	465.0 R	22	16	70	<1	<0.005	5
CT014	470.0 R	20	12	70	<1	<0.005	6
CT014	475.0 R	32	22	70	<1	<0.005	8
CT014	480.0 R	28	12	80	<1	<0.005	3
CT014	485.0 R	22	16	75	<1	<0.005	4
CT014	490.0 R	30	24	75	<1	<0.005	2

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ANALYTICAL REPORT

JOB COM831514 O/N : P390 0158

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 495.0 R	34	26	70	<1	<0.005	6
CT014 500.0 R	20	16	70	<1	<0.005	6
CT014 505.0 R	34	18	75	<1	<0.005	4
CT014 510.0 R	16	18	75	<1	<0.005	4
CT014 515.0 R	16	80	100	<1	<0.005	8
CT014 520.0 R	24	20	65	<1	<0.005	2
CT014 525.0 R	40	36	80	<1	<0.005	8
CT014 530.0 R	20	18	80	<1	<0.005	9
CT014 535.0 R	55	16	80	<1	<0.005	14
CT014 540.0 R	16	14	80	<1	<0.005	18
CT014 545.0 R	22	14	80	<1	<0.005	2
CT014 550.0 R	20	12	80	<1	<0.005	12
CT014 555.0 R	22	10	80	<1	<0.005	9
CT014 560.0 R	14	14	90	<1	<0.005	<2
CT014 565.0 R	42	12	70	<1	<0.005	14
CT014 570.0 R	16	18	75	<1	<0.005	10
CT014 575.0 R	20	10	75	<1	<0.005	16
CT014 580.0 R	22	10	50	<1	<0.005	34
CT014 585.0 R	30	12	90	<1	<0.005	10
CT014 590.0 R	20	20	70	<1	<0.005	12
CT014 595.0 R	30	14	70	<1	<0.005	6
CT014 600.0 R	20	14	70	<1	<0.005	5
CT014 605.0 R	28	24	65	<1	<0.005	2
CT014 610.0 R	32	18	60	<1	<0.005	4
CT014 615.0 R	24	14	85	<1	<0.005	5

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

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Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 620.0 R	28	16	60	<1	<0.005	3
CT014 625.0 R	28	24	75	1	<0.005	12
CT014 630.0 R	34	24	70	1	<0.005	6
CT014 635.0 R	26	26	80	1	<0.005	9
CT014 640.0 R	44	34	80	1	<0.005	7
CT014 645.0 R	32	24	75	1	<0.005	7
CT014 650.0 R	22	20	85	1	<0.005	2
CT014 655.0 R	32	26	80	1	<0.005	5
CT014 660.0 R	40	26	80	1	<0.005	2
CT014 665.0 R	20	20	85	1	<0.005	6
CT014 670.0 R	28	28	80	1	<0.005	4
CT014 675.0 R	16	24	80	1	<0.005	4
CT014 680.0 R	46	48	75	1	<0.005	<2
CT014 685.0 R	46	24	75	1	<0.005	7
CT014 690.0 R	18	20	70	1	<0.005	7
CT014 695.0 R	18	48	75	<1	<0.005	<2
CT014 700.0 R	20	24	70	1	<0.005	3
CT014 705.0 R	18	26	60	1	<0.005	3
CT014 710.0 R	18	30	70	<1	<0.005	3
CT014 715.0 R	50	30	70	1	<0.005	6
CT014 720.0 R	14	22	75	1	<0.005	4
CT014 725.0 R	16	20	70	1	<0.005	5
CT014 730.0 R	26	26	70	1	<0.005	3
CT014 735.0 R	18	30	70	1	<0.005	3
CT014 740.0 R	22	26	85	<1	<0.005	3

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0160

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 745.0 R	200	34	75	1	<0.005	18
CT014 750.0 R	16	26	95	1	<0.005	7
CT014 755.0 R	20	75	115	1	<0.005	16
CT014 760.0 R	16	32	80	1	<0.005	16
CT014 765.0 R	16	50	190	1	<0.005	4
CT014 770.0 R	20	32	90	1	<0.005	12
CT014 775.0 R	18	28	70	1	<0.005	6
CT014 780.0 R	34	38	65	1	<0.005	18
CT014 785.0 R	60	36	110	<1	<0.005	12
CT014 790.0 R	220	150	70	1	<0.005	32
CT014 795.0 R	16	26	90	1	<0.005	4
CT014 800.0 R	55	24	80	1	<0.005	5
CT014 805.0 R	30	95	90	<1	<0.005	12
CT014 810.0 R	16	24	70	1	<0.005	10
CT014 815.0 R	50	24	90	1	<0.005	20
CT014 820.0 R	22	32	80	1	<0.005	10
CT014 825.0 R	16	24	80	1	<0.005	5
CT014 830.0 R	18	20	60	1	<0.005	4
CT014 835.0 R	28	20	70	1	<0.005	<2
CT014 840.0 R	18	24	80	1	<0.005	2
CT014 845.0 R	22	22	75	1	<0.005	5
CT014 850.0 R	20	26	70	1	<0.005	2
CT014 855.0 R	14	22	70	1	<0.005	3
CT014 860.0 R	18	22	65	1	<0.005	6
CT014 865.0 R	24	22	60	1	<0.005	5

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0161

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 870.0 R	18	20	90	1	<0.005	2
CT014 875.0 R	18	24	70	1	<0.005	2
CT014 880.0 R	20	20	70	1	<0.005	7
CT014 885.0 R	55	36	65	1	<0.005	12
CT014 890.0 R	28	24	80	1	<0.005	7
CT014 895.0 R	24	28	70	1	<0.005	8
CT014 900.0 R	22	22	70	1	<0.005	6
CT014 905.0 R	22	20	60	<1	<0.005	10
CT014 910.0 R	18	18	70	<1	<0.005	8
CT014 915.0 R	18	22	60	1	<0.005	4
CT014 920.0 R	20	22	60	1	<0.005	2
CT014 925.0 R	26	30	50	<1	<0.005	8
CT014 930.0 R	22	26	44	1	<0.005	5
CT014 935.0 R	22	28	50	<1	<0.005	5
CT014 940.0 R	22	24	65	<1	<0.005	6
CT014 945.0 R	26	28	60	1	<0.005	8
CT014 950.0 R	24	18	80	1	<0.005	3
CT014 955.0 R	26	28	60	1	<0.005	8
CT014 960.0 R	16	28	50	1	<0.005	3
CT014 970.0 R	24	32	50	1	<0.005	9
CT014 975.0 R	28	20	70	1	<0.005	8
CT014 980.0 R	22	18	65	1	<0.005	5
CT014 985.0 R	18	18	38	1	<0.005	6
CT014 995.0 R	18	18	34	<1	<0.005	5
CT014 1005.0 R	16	18	50	1	<0.005	5

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 1010.0 R	20	22	60	1	<0.005	12
CT014 1015.0 R	20	22	70	1	<0.005	3
CT014 1020.0 R	80	42	70	1	<0.005	14
CT014 1025.0 R	18	18	65	<1	<0.005	9
CT014 1030.0 R	18	18	65	<1	<0.005	9
CT014 1035.0 R	18	20	70	<1	<0.005	8
CT014 1055.0 R	24	24	50	1	<0.005	2
CT014 1060.0 R	20	20	60	<1	<0.005	5
CT014 1065.0 R	18	26	60	<1	<0.005	<2
CT014 1070.0 R	18	18	70	<1	<0.005	6
CT014 1075.0 R	26	18	60	<1	<0.005	10
CT014 1080.0 R	20	18	60	1	<0.005	7
CT014 1085.0 R	22	20	60	1	<0.005	3
CT014 1090.0 R	24	22	60	<1	<0.005	5
CT014 1095.0 R	18	24	46	<1	<0.005	2
CT014 1100.0 R	18	20	60	1	<0.005	2
CT014 1105.0 R	24	28	48	<1	<0.005	5
CT014 1110.0 R	24	24	70	<1	<0.005	<2
CT014 1115.0 R	22	26	70	<1	<0.005	<2
CT014 1120.0 R	22	22	70	<1	<0.005	2
CT014 1125.0 R	24	28	70	<1	<0.005	5
CT014 1130.0 R	22	24	60	<1	<0.005	6
CT014 1135.0 R	28	30	60	<1	<0.005	4
CT014 1140.0 R	26	24	65	<1	<0.005	4
CT014 1145.0 R	20	22	60	<1	<0.005	3

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 1150.0 R	22	20	70	<1	<0.005	<2
CT014 1155.0 R	26	26	90	<1	<0.005	3
CT014 1160.0 R	26	22	70	<1	<0.005	4
CT014 1165.0 R	22	22	70	<1	<0.005	6
CT014 1170.0 R	38	28	70	<1	<0.005	12
CT014 1175.0 R	75	90	60	<1	<0.005	6
CT014 1180.0 R	24	24	70	<1	<0.005	2
CT014 1185.0 R	26	22	70	<1	<0.005	4
CT014 1190.0 R	28	28	75	<1	<0.005	5
CT014 1195.0 R	26	26	70	<1	<0.005	3
CT014 1200.0 R	18	22	65	<1	<0.005	5
CT014 1205.0 R	38	30	75	<1	<0.005	7
CT014 1210.0 R	24	28	60	<1	<0.005	5
CT014 1215.0 R	20	28	60	<1	<0.005	3
CT014 1220.0 R	28	26	60	<1	<0.005	9
CT014 1225.0 R	30	22	75	<1	<0.005	<2
CT014 1230.0 R	28	26	65	<1	<0.005	9
CT014 1235.0 R	28	26	60	<1	<0.005	8
CT014 1240.0 R	18	24	60	<1	<0.005	4
CT014 1245.0 R	26	34	75	<1	<0.005	7
CT014 1250.0 R	28	32	60	<1	<0.005	9
CT014 1255.0 R	24	26	70	<1	<0.005	6
CT014 1260.0 R	28	30	70	<1	<0.005	12
CT014 1265.0 R	22	24	60	<1	<0.005	10
CT014 1270.0 R	26	30	75	<1	<0.005	6

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 1275.0 R	14	24	32	<1	<0.005	10
CT014 1285.0 R	24	22	60	<1	<0.005	4
CT014 1290.0 R	24	26	70	<1	<0.005	3
CT014 1295.0 R	32	220	105	<1	<0.005	7
CT014 1300.0 R	30	60	50	<1	<0.005	12
CT014 1305.0 R	22	26	60	<1	<0.005	5
CT014 1310.0 R	36	32	60	<1	<0.005	2
CT014 1315.0 R	75	36	55	<1	<0.005	2
CT014 1320.0 R	30	22	70	<1	<0.005	<2
CT014 1325.0 R	26	20	65	<1	<0.005	<2
CT014 1330.0 R	26	26	80	<1	<0.005	<2
CT014 1335.0 R	24	26	60	<1	<0.005	<2
CT014 1340.0 R	24	24	60	<1	<0.005	4
CT014 1345.0 R	28	20	70	<1	<0.005	5
CT014 1350.0 R	24	26	70	<1	<0.005	70
CT014 1355.0 R	26	105	60	<1	<0.005	18
CT014 1360.0 R	16	18	34	<1	<0.005	14
CT014 1365.0 R	26	16	24	<1	<0.005	8
CT014 1370.0 R	16	16	20	<1	<0.005	12
CT014 1375.0 R	14	18	28	<1	<0.005	12
CT014 1380.0 R	18	32	48	<1	<0.005	8
CT014 1385.0 R	16	24	46	<1	<0.005	7
CT014 1390.0 R	14	24	34	<1	<0.005	10
CT014 1395.0 R	16	38	80	<1	<0.005	20
CT014 1400.0 R	20	24	50	<1	<0.005	14

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT014 1405.0 R	18	24	50	<1	<0.005	12
CT014 1410.0 R	18	14	50	1	<0.005	14
CT014 1415.0 R	14	18	42	<1	<0.005	16
CT014 1420.0 R	14	18	44	1	<0.005	6
CT014 1425.0 R	14	12	50	<1	<0.005	14
CT014 1430.0 R	12	16	44	<1	<0.005	14
CT014 1435.0 R	14	18	60	<1	<0.005	14
CT014 1440.0 R	16	10	60	<1	<0.005	7
CT014 1445.0 R	16	20	50	<1	<0.005	12
CT014 1450.0 R	16	8	50	<1	<0.005	9
CT014 1455.0 R	12	14	44	<1	<0.005	9
CT014 1460.0 R	12	12	42	<1	<0.005	22
CT014 1465.0 R	12	12	50	<1	<0.005	14
CT014 1470.0 R	12	14	40	<1	<0.005	14
CT014 1475.0 R	14	14	50	<1	<0.005	10
CT014 1480.0 R	14	14	50	<1	<0.005	7
CT014 1485.0 R	14	16	50	<1	<0.005	14
CT014 1490.0 R	16	16	50	<1	<0.005	4
CT014 1495.0 R	16	14	46	<1	<0.005	10
CT014 1500.0 R	14	12	60	1	<0.005	9
CT011 0.0 R	18	8	42	<1	<0.005	10
CT011 5.0 R	16	8	48	<1	<0.005	12
CT011 10.0 R	24	12	60	<1	<0.005	12
CT011 15.0 R	20	10	60	<1	<0.005	14
CT011 20.0 R	14	12	55	<1	<0.005	12

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011	25.0 R	14	16	55	<1	<0.005	6
CT011	30.0 R	14	22	46	<1	<0.005	12
CT011	35.0 R	14	20	60	<1	<0.005	14
CT011	40.0 R	24	12	48	<1	<0.005	10
CT011	45.0 R	14	18	60	<1	<0.005	12
CT011	50.0 R	20	16	70	<1	<0.005	12
CT011	55.0 R	18	24	70	<1	<0.005	16
CT011	60.0 R	18	16	65	<1	<0.005	14
CT011	65.0 R	16	10	60	<1	<0.005	12
CT011	70.0 R	16	8	60	<1	<0.005	18
CT011	75.0 R	18	6	48	<1	<0.005	18
CT011	80.0 R	20	8	42	<1	<0.005	20
CT011	85.0 R	16	<4	50	<1	<0.005	10
CT011	90.0 R	18	<4	70	<1	<0.005	18
CT011	95.0 R	16	10	42	<1	<0.005	10
CT011	100.0 R	22	10	55	<1	<0.005	14
CT011	105.0 R	28	8	65	<1	<0.005	7
CT011	110.0 R	16	8	65	<1	<0.005	14
CT011	115.0 R	16	8	50	<1	<0.005	14
CT011	120.0 R	34	10	70	<1	<0.005	8
CT011	125.0 R	24	12	70	<1	<0.005	6
CT011	130.0 R	20	18	70	<1	<0.005	12
CT011	135.0 R	12	14	70	<1	<0.005	10
CT011	140.0 R	12	22	60	1	<0.005	6
CT011	145.0 R	16	26	70	1	<0.005	10

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

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Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 150.0 R	16	18	60	1	<0.005	12
CT011 155.0 R	14	26	65	1	<0.005	14
CT011 160.0 R	14	20	60	1	<0.005	9
CT011 165.0 R	16	44	75	1	<0.005	10
CT011 170.0 R	16	26	50	1	<0.005	9
CT011 175.0 R	16	26	60	1	<0.005	6
CT011 180.0 R	18	28	70	1	<0.005	10
CT011 185.0 R	20	28	65	<1	<0.005	10
CT011 190.0 R	22	48	70	1	<0.005	7
CT011 195.0 R	22	28	70	1	<0.005	9
CT011 200.0 R	20	26	70	<1	<0.005	6
CT011 205.0 R	16	26	60	1	<0.005	8
CT011 210.0 R	18	20	60	1	<0.005	8
CT011 215.0 R	12	22	50	<1	<0.005	9
CT011 220.0 R	18	24	60	<1	<0.005	10
CT011 225.0 R	22	28	80	<1	<0.005	7
CT011 230.0 R	16	60	110	<1	<0.005	12
CT011 235.0 R	18	110	160	1	<0.005	14
CT011 240.0 R	14	34	48	<1	<0.005	12
CT011 245.0 R	16	24	60	1	<0.005	7
CT011 250.0 R	20	22	60	1	<0.005	6
CT011 255.0 R	16	18	48	1	<0.005	3
CT011 260.0 R	24	32	60	<1	<0.005	10
CT011 265.0 R	22	22	65	<1	<0.005	7
CT011 270.0 R	22	22	60	<1	<0.005	7

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ANALYTICAL REPORT

0168

JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 275.0 R	20	28	60	<1	<0.005	8
CT011 280.0 R	20	26	55	<1	<0.005	4
CT011 285.0 R	18	32	50	<1	<0.005	10
CT011 290.0 R	22	26	60	<1	<0.005	12
CT011 295.0 R	24	32	70	<1	<0.005	7
CT011 300.0 R	26	26	70	<1	<0.005	8
CT011 305.0 R	22	32	65	<1	<0.005	7
CT011 310.0 R	18	26	60	<1	<0.005	12
CT011 315.0 R	20	26	70	<1	<0.005	7
CT011 320.0 R	20	38	75	1	<0.005	6
CT011 325.0 R	22	36	90	<1	<0.005	3
CT011 330.0 R	20	60	120	1	<0.005	9
CT011 335.0 R	20	50	120	1	<0.005	7
CT011 340.0 R	18	26	65	<1	<0.005	9
CT011 345.0 R	20	26	80	<1	<0.005	5
CT011 350.0 R	20	22	70	1	<0.005	7
CT011 355.0 R	26	28	55	<1	<0.005	14
CT011 360.0 R	28	30	65	<1	<0.005	7
CT011 365.0 R	36	32	60	<1	<0.005	8
CT011 370.0 R	32	28	55	<1	<0.005	2
CT011 375.0 R	28	34	60	<1	<0.005	6
CT011 380.0 R	30	30	60	<1	<0.005	6
CT011 385.0 R	30	32	60	<1	<0.005	6
CT011 390.0 R	26	38	65	<1	<0.005	7
CT011 395.0 R	26	48	80	<1	<0.005	6

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390

0169

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011	400.0 R	26	38	46	<1	<0.005	7
CT011	405.0 R	22	28	46	<1	<0.005	7
CT011	410.0 R	20	36	55	<1	<0.005	6
CT011	415.0 R	18	32	50	<1	<0.005	12
CT011	420.0 R	16	28	30	<1	<0.005	8
CT011	425.0 R	26	42	65	<1	<0.005	12
CT011	430.0 R	36	32	70	<1	<0.005	16
CT011	435.0 R	24	34	50	<1	<0.005	16
CT011	440.0 R	22	32	60	<1	<0.005	10
CT011	445.0 R	22	28	46	<1	<0.005	6
CT011	450.0 R	28	26	65	<1	<0.005	10
CT011	455.0 R	24	26	60	<1	<0.005	9
CT011	460.0 R	18	34	48	<1	<0.005	7
CT011	465.0 R	14	26	22	<1	<0.005	<2
CT011	470.0 R	24	40	55	<1	<0.005	4
CT011	475.0 R	18	38	65	<1	<0.005	4
CT011	480.0 R	18	32	48	<1	<0.005	18
CT011	485.0 R	20	18	40	<1	<0.005	16
CT011	490.0 R	22	16	40	<1	<0.005	16
CT011	495.0 R	18	18	20	<1	<0.005	10
CT011	500.0 R	14	18	28	<1	<0.005	8
CT011	505.0 R	18	26	38	<1	<0.005	8
CT011	510.0 R	20	24	42	<1	<0.005	10
CT011	515.0 R	22	26	65	<1	<0.005	12
CT011	520.0 R	20	20	48	<1	<0.005	14

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011	525.0 R	12	22	30	<1	<0.005	16
CT011	530.0 R	22	18	50	<1	<0.005	10
CT011	535.0 R	22	22	46	<1	<0.005	16
CT011	540.0 R	14	22	34	<1	<0.005	8
CT011	545.0 R	16	22	34	<1	<0.005	7
CT011	550.0 R	14	20	28	<1	<0.005	5
CT011	555.0 R	18	18	42	<1	<0.005	10
CT011	560.0 R	20	18	40	<1	<0.005	10
CT011	565.0 R	20	24	38	<1	<0.005	4
CT011	570.0 R	16	22	40	<1	<0.005	7
CT011	575.0 R	20	16	42	<1	<0.005	9
CT011	580.0 R	20	20	40	<1	<0.005	2
CT011	585.0 R	20	22	46	<1	<0.005	12
CT011	590.0 R	20	26	48	<1	<0.005	8
CT011	595.0 R	20	20	38	<1	<0.005	12
CT011	600.0 R	20	18	48	<1	<0.005	14
CT011	605.0 R	18	18	50	<1	<0.005	10
CT011	610.0 R	22	22	85	<1	<0.005	16
CT011	615.0 R	20	20	50	<1	<0.005	14
CT011	620.0 R	30	36	70	<1	<0.005	14
CT011	625.0 R	20	28	65	<1	<0.005	12
CT011	630.0 R	20	26	55	<1	<0.005	9
CT011	635.0 R	24	26	60	<1	<0.005	12
CT011	640.0 R	20	32	65	<1	<0.005	9
CT011	645.0 R	24	32	75	<1	<0.005	14

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ANALYTICAL REPORT

0171

JOB COM831514 O/N : 8390

Results in ppm

	SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011	650.0 R	20	30	60	<1	<0.005	16
CT011	655.0 R	28	24	60	<1	<0.005	14
CT011	660.0 R	34	140	90	<1	<0.005	18
CT011	665.0 R	24	34	75	<1	<0.005	12
CT011	670.0 R	36	24	60	<1	<0.005	9
CT011	675.0 R	18	20	55	<1	<0.005	18
CT011	680.0 R	26	26	32	<1	<0.005	14
CT011	685.0 R	18	16	32	<1	<0.005	24
CT011	690.0 R	40	26	38	<1	<0.005	16
CT011	695.0 R	14	16	46	<1	<0.005	14
CT011	700.0 R	20	18	34	<1	<0.005	16
CT011	705.0 R	12	18	44	<1	<0.005	14
CT011	710.0 R	24	18	48	<1	<0.005	9
CT011	715.0 R	46	46	60	<1	<0.005	10
CT011	720.0 R	26	34	60	<1	<0.005	9
CT011	725.0 R	26	34	65	<1	<0.005	2
CT011	730.0 R	22	28	65	<1	<0.005	6
CT011	735.0 R	22	28	65	<1	<0.005	9
CT011	740.0 R	28	32	65	<1	<0.005	4
CT011	745.0 R	26	28	65	<1	<0.005	6
CT011	750.0 R	26	28	55	<1	<0.005	6
CT011	755.0 R	30	34	65	<1	<0.005	9
CT011	760.0 R	28	34	60	<1	<0.005	9
CT011	765.0 R	24	28	60	<1	<0.005	4
CT011	770.0 R	22	26	60	<1	<0.005	7

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ANALYTICAL REPORT

0172

JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 775.0 R	24	36	65	<1	<0.005	10
CT011 780.0 R	22	26	55	<1	<0.005	6
CT011 785.0 R	20	28	60	<1	<0.005	5
CT011 790.0 R	22	28	55	<1	<0.005	2
CT011 795.0 R	20	30	55	<1	<0.005	<2
CT011 800.0 R	24	30	55	<1	<0.005	10
CT011 805.0 R	24	28	60	<1	<0.005	2
CT011 810.0 R	22	26	60	<1	<0.005	9
CT011 815.0 R	18	20	60	<1	<0.005	9
CT011 820.0 R	22	18	60	<1	<0.005	2
CT011 825.0 R	32	24	40	<1	<0.005	<2
CT011 830.0 R	24	22	48	<1	<0.005	7
CT011 835.0 R	28	22	46	<1	<0.005	3
CT011 840.0 R	22	28	55	<1	<0.005	10
CT011 845.0 R	20	24	50	<1	<0.005	8
CT011 850.0 R	20	28	55	<1	<0.005	5
CT011 855.0 R	26	24	55	<1	<0.005	10
CT011 860.0 R	22	26	46	<1	<0.005	10
CT011 865.0 R	28	22	55	<1	<0.005	12
CT011 870.0 R	24	16	60	<1	<0.005	12
CT011 875.0 R	22	20	55	<1	<0.005	10
CT011 880.0 R	20	24	55	<1	<0.005	7
CT011 885.0 R	22	34	60	<1	<0.005	9
CT011 890.0 R	20	24	48	<1	<0.005	10
CT011 895.0 R	24	22	50	<1	<0.005	16

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0173

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 900.0 R	22	75	55	<1	<0.005	32
CT011 905.0 R	26	28	60	<1	<0.005	20
CT011 910.0 R	26	28	65	<1	<0.005	12
CT011 915.0 R	26	24	65	<1	<0.005	10
CT011 920.0 R	18	20	65	<1	<0.005	10
CT011 925.0 R	38	65	65	<1	<0.005	18
CT011 930.0 R	26	38	65	<1	<0.005	8
CT011 935.0 R	26	48	70	<1	<0.005	16
CT011 940.0 R	24	38	65	<1	<0.005	10
CT011 945.0 R	16	36	50	<1	<0.005	14
CT011 950.0 R	24	18	55	<1	<0.005	16
CT011 955.0 R	26	16	55	<1	<0.005	14
CT011 960.0 R	24	18	60	<1	<0.005	9
CT011 965.0 R	24	24	55	<1	<0.005	12
CT011 970.0 R	22	20	55	<1	<0.005	10
CT011 975.0 R	26	20	60	<1	<0.005	10
CT011 980.0 R	18	20	50	<1	<0.005	9
CT011 985.0 R	18	22	42	<1	<0.005	18
CT011 990.0 R	22	20	40	<1	<0.005	26
CT011 995.0 R	46	20	28	<1	<0.005	28
CT011 1000.0 R	18	22	32	<1	<0.005	32
CT011 1005.0 R	16	20	36	<1	<0.005	16
CT011 1010.0 R	20	20	46	<1	<0.005	9
CT011 1015.0 R	22	30	90	<1	<0.005	18
CT011 1020.0 R	16	30	70	<1	<0.005	7

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ANALYTICAL REPORT

JOB COM831514 O/N : 8390 0174

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 1025.0 R	22	24	60	<1	<0.005	7
CT011 1030.0 R	44	28	65	<1	<0.005	7
CT011 1035.0 R	28	32	75	<1	<0.005	10
CT011 1040.0 R	24	28	65	<1	<0.005	7
CT011 1045.0 R	22	32	60	<1	<0.005	14
CT011 1050.0 R	22	28	55	<1	<0.005	12
CT011 1055.0 R	24	32	65	<1	<0.005	14
CT011 1060.0 R	24	28	55	<1	<0.005	7
CT011 1065.0 R	26	26	55	<1	<0.005	12
CT011 1070.0 R	24	32	65	<1	<0.005	12
CT011 1075.0 R	28	30	65	<1	<0.005	8
CT011 1080.0 R	24	28	60	<1	<0.005	12
CT011 1085.0 R	24	26	60	<1	<0.005	10
CT011 1090.0 R	28	22	48	<1	<0.005	12
CT011 1095.0 R	100	32	65	<1	<0.005	46
CT011 1100.0 R	26	24	55	<1	<0.005	14
CT011 1105.0 R	26	24	50	<1	<0.005	8
CT011 1110.0 R	24	22	50	<1	<0.005	5
CT011 1115.0 R	28	22	55	<1	<0.005	14
CT011 1120.0 R	30	24	60	<1	<0.005	12
CT011 1125.0 R	30	24	65	<1	<0.005	9
CT011 1130.0 R	24	26	55	<1	<0.005	12
CT011 1135.0 R	28	24	70	<1	<0.005	16
CT011 1140.0 R	32	28	70	<1	<0.005	18
CT011 1145.0 R	30	26	75	<1	<0.005	14

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ANALYTICAL REPORT

0175

JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 1150.0 R	32	28	55	<1	<0.005	12
CT011 1155.0 R	26	32	65	<1	<0.005	18
CT011 1160.0 R	28	26	60	<1	<0.005	10
CT011 1165.0 R	24	24	65	<1	<0.005	12
CT011 1170.0 R	28	26	50	<1	<0.005	14
CT011 1175.0 R	26	26	55	<1	<0.005	20
CT011 1180.0 R	22	24	55	<1	<0.005	7
CT011 1185.0 R	28	26	65	<1	<0.005	7
CT011 1190.0 R	34	28	75	<1	<0.005	20
CT011 1195.0 R	38	24	70	<1	<0.005	18
CT011 1200.0 R	36	24	55	<1	<0.005	16
CT011 1205.0 R	32	26	55	<1	<0.005	10
CT011 1210.0 R	36	22	65	<1	<0.005	10
CT011 1215.0 R	30	26	60	<1	<0.005	7
CT011 1220.0 R	30	24	65	<1	<0.005	5
CT011 1225.0 R	32	22	65	<1	<0.005	6
CT011 1230.0 R	40	22	170	<1	<0.005	2
CT011 1235.0 R	50	24	70	<1	<0.005	18
CT011 1240.0 R	46	80	80	<1	<0.005	6
CT011 1245.0 R	44	38	65	<1	<0.005	6
CT011 1250.0 R	36	26	44	<1	<0.005	8
CT011 1255.0 R	32	36	75	<1	<0.005	8
CT011 1260.0 R	24	26	60	<1	<0.005	18
CT011 1265.0 R	32	26	65	<1	<0.005	12
CT011 1270.0 R	30	26	75	<1	<0.005	14

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ANALYTICAL REPORT

0176

JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 1275.0 R	38	28	65	<1	<0.005	18
CT011 1280.0 R	24	24	60	<1	<0.005	12
CT011 1285.0 R	44	38	65	<1	<0.005	8
CT011 1290.0 R	34	26	75	<1	<0.005	14
CT011 1295.0 R	30	24	55	<1	<0.005	8
CT011 1300.0 R	24	24	55	<1	<0.005	14
CT011 1305.0 R	32	28	65	<1	<0.005	16
CT011 1310.0 R	28	30	80	<1	<0.005	18
CT011 1315.0 R	24	24	60	<1	<0.005	14
CT011 1320.0 R	24	24	55	<1	<0.005	12
CT011 1325.0 R	24	24	60	<1	<0.005	14
CT011 1330.0 R	28	26	60	<1	<0.005	22
CT011 1335.0 R	24	26	60	<1	<0.005	12
CT011 1340.0 R	24	20	65	<1	<0.005	16
CT011 1345.0 R	28	30	60	<1	<0.005	10
CT011 1350.0 R	30	22	75	<1	<0.005	8
CT011 1355.0 R	24	20	65	<1	<0.005	10
CT011 1360.0 R	32	24	50	<1	<0.005	16
CT011 1365.0 R	28	24	60	<1	<0.005	12
CT011 1370.0 R	32	30	60	<1	<0.005	7
CT011 1375.0 R	32	22	65	<1	<0.005	12
CT011 1380.0 R	24	22	65	<1	<0.005	12
CT011 1385.0 R	22	20	60	<1	<0.005	14
CT011 1390.0 R	34	24	65	<1	<0.005	10
CT011 1395.0 R	34	28	65	<1	<0.005	7

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ANALYTICAL REPORT

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JOB COM831514 O/N : 8390

Results in ppm

SAMPLE	Cu	Pb	Zn	Ag	Au	As
CT011 1400.0 R	30	26	60	<1	<0.005	10
CT011 1405.0 R	40	26	85	<1	<0.005	4
CT011 1410.0 R	28	24	100	<1	<0.005	8
CT011 1415.0 R	22	24	90	<1	<0.005	6
CT011 1420.0 R	26	28	95	<1	<0.005	10
CT011 1425.0 R	40	30	100	<1	<0.005	5
CT011 1430.0 R	34	32	115	<1	<0.005	8
CT011 1435.0 R	22	22	110	<1	<0.005	10
CT011 1440.0 R	26	22	105	<1	<0.005	7
CT011 1445.0 R	26	20	115	<1	<0.005	6
CT011 1450.0 R	30	32	125	<1	<0.005	12
CT011 1455.0 R	28	26	120	<1	<0.005	8
CT011 1460.0 R	24	20	120	<1	<0.005	9
CT011 1465.0 R	28	24	105	<1	<0.005	6
CT011 1470.0 R	28	28	120	<1	<0.005	3
CT011 1475.0 R	30	22	125	<1	<0.005	6
CT011 1480.0 R	26	16	120	<1	<0.005	8
CT011 1485.0 R	24	24	105	<1	<0.005	9
CT011 1490.0 R	24	24	120	<1	<0.005	9
CT011 1495.0 R	28	22	110	<1	<0.005	8
CT011 1500.0 R	26	26	105	<1	<0.005	10

APPENDIX 3

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

Central Laboratory
305 SOUTH ROAD,
MILE END SOUTH
STH. AUST. 5031
TEL.: (08) 43 5722
TELEX: AA89323

NATA REGISTERED No. 1526

EL1102 GEOLOGY
CD001.

OUR REF.: COM 841140

YOUR REF.:

0179

Mr. S. Mann,
Utah Development Co Ltd,
186 Main Road,
BLACKWOOD. S.A. 5051,

22.6.84

Dear Stephen,

RE: JOB COM 841140

Enclosed are the assays for the samples delivered to our laboratory on the 7th June, 1984.

Yours sincerely,
COMLABS PTY LTD

per : Jay Holbrook

Queensland Preparation Laboratory: 172 Lavarack Ave., Eagle Farm, Queensland. 4007 Tel.: (07) 268 4748
Western Australia Preparation Laboratory: 52 Fairbrother St., Belmont, W.A. 6104 Tel.: (09) 47 81336
Northern Territory Preparation Laboratory: 3 Bishop Street, Darwin, N.T. 5790 Tel.: (089) 81 3961

COMLABS Pty. Ltd.
COMPUTERISED ANALYTICAL LABORATORIES

ANALYTICAL REPORT

JOB COM841140 O/N : 0872

0180

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CD001 3.0 0.75 D	60	22	40	10	<1	<0.005
CD001 4.0 1.0 D	28	26	34	8	<1	<0.005
CD001 5.0 1.0 D	55	20	42	6	<1	<0.005
CD001 6.0 1.0 D	60	18	44	6	<1	<0.005
CD001 7.0 1.0 D	40	18	32	4	<1	<0.005
CD001 8.0 1.0 D	34	10	135	20	<1	<0.005
CD001 9.0 1.0 D	55	50	130	18	<1	<0.005
CD001 10.0 1.0 D	38	40	115	20	<1	<0.005
CD001 11.0 1.0 D	46	8	120	38	<1	<0.005
CD001 12.0 1.0 D	36	6	110	40	<1	<0.005
CD001 13.0 1.0 D	26	<4	100	22	<1	<0.005
CD001 14.0 1.0 D	24	26	85	18	<1	<0.005
CD001 15.0 1.0 D	34	6	42	10	<1	<0.005
CD001 16.0 1.0 D	30	<4	44	14	<1	<0.005
CD001 17.0 1.0 D	30	<4	60	12	<1	<0.005
CD001 18.0 1.0 D	24	<4	65	12	<1	<0.005
CD001 19.0 1.0 D	48	<4	110	22	<1	<0.005
CD001 20.0 1.0 D	18	6	105	22	<1	<0.005
CD001 21.0 1.0 D	44	4	55	14	1	<0.005
CD001 22.0 1.0 D	16	4	12	4	<1	<0.005
CD001 23.0 1.0 D	24	8	12	4	<1	<0.005
CD001 24.0 1.0 D	24	4	60	14	<1	<0.005
CD001 25.0 1.0 D	12	4	90	18	<1	<0.005
CD001 26.0 1.0 D	26	4	90	20	<1	<0.005
CD001 27.0 1.0 D	40	4	95	20	<1	<0.005

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ANALYTICAL REPORT

0181

JOB COM841140 O/N : 0872

Results in ppm

	SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CD001	28.0 1.0 D	28	<4	75	16	<1	<0.005
CD001	29.0 1.0 D	16	<4	80	16	<1	<0.005
CD001	30.0 1.0 D	105	32	230	32	<1	<0.005
CD001	31.0 1.0 D	70	4	145	26	<1	<0.005
CD001	32.0 1.0 D	38	<4	135	18	<1	<0.005
CD001	33.0 1.0 D	42	12	60	14	<1	<0.005
CD001	34.0 1.0 D	16	4	100	22	<1	<0.005
CD001	35.0 1.0 D	24	<4	60	20	<1	<0.005
CD001	36.0 1.0 D	30	<4	48	18	<1	<0.005
CD001	37.0 1.0 D	18	<4	95	24	<1	<0.005
CD001	38.0 1.0 D	18	<4	90	22	<1	<0.005
CD001	39.0 1.0 D	12	<4	75	18	<1	<0.005
CD001	40.0 1.0 D	30	14	20	10	<1	<0.005
CD001	41.0 1.0 D	10	<4	50	10	<1	<0.005
CD001	42.0 1.0 D	38	18	290	16	<1	<0.005
CD001	43.0 1.0 D	34	55	280	85	<1	<0.005
CD001	44.0 1.0 D	44	20	310	85	<1	<0.005
CD001	45.0 1.0 D	20	20	480	34	<1	<0.005
CD001	46.0 1.0 D	230	40	280	24	2	<0.005
CD001	47.0 1.0 D	650	70	340	65	3	<0.005
CD001	48.0 1.0 D	700	44	170	28	4	<0.005
CD001	49.0 1.0 D	790	34	650	70	2	<0.005
CD001	50.0 1.0 D	440	300	1450	75	1	<0.005
CD001	51.0 1.0 D	260	32	290	8	1	<0.005
CD001	52.0 1.0 D	240	24	110	8	1	<0.005

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ANALYTICAL REPORT

0182

JOB COM841140 O/N : 0872

Results in ppm

SAMPLE		Cu	Pb	Zn	Co	Ag	Au
CD001	53.0 1.0 D	140	18	930	26	<1	<0.005
CD001	54.0 1.0 D	22	8	340	65	<1	<0.005
CD001	55.0 1.0 D	26	12	230	65	<1	<0.005
CD001	56.0 1.0 D	20	20	190	44	<1	<0.005
CD001	57.0 1.0 D	24	48	220	20	<1	<0.005
CD001	58.0 1.0 D	60	90	160	18	<1	<0.005
CD001	59.0 1.0 D	60	26	85	14	<1	<0.005
CD001	60.0 1.0 D	26	12	80	12	<1	<0.005
CD001	61.0 1.0 D	24	16	80	12	<1	<0.005
CD001	62.0 1.0 D	24	12	90	12	<1	<0.005
CD001	63.0 1.0 D	28	28	150	12	<1	<0.005
CD001	64.0 1.0 D	20	12	70	12	<1	<0.005
CD001	65.0 1.0 D	20	6	95	10	<1	<0.005
CD001	66.0 1.0 D	16	14	90	12	<1	<0.005
CD001	67.0 1.0 D	46	85	135	14	<1	<0.005
CD001	68.0 1.0 D	22	44	105	12	<1	<0.005
CD001	69.0 1.0 D	22	18	90	12	<1	<0.005
CD001	70.0 1.0 D	22	16	80	12	<1	<0.005
CD001	71.0 1.0 D	20	24	75	12	<1	<0.005
CD001	72.0 1.0 D	55	36	85	16	<1	<0.005
CD001	73.0 1.0 D	32	48	120	14	<1	<0.005
CD001	74.0 1.0 D	18	20	85	10	<1	<0.005
CD001	75.0 1.0 D	20	20	90	12	<1	<0.005
CD001	76.0 1.0 D	26	50	85	12	<1	<0.005
CD001	77.0 1.0 D	24	22	90	12	<1	<0.005

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ANALYTICAL REPORT

0183

JOB COM841140 O/N : 0872

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CD001 78.0 1.0 D	36	36	90	14	<1	<0.005
CD001 79.0 1.0 D	18	12	80	12	<1	<0.005
CD001 80.0 1.0 D	18	18	90	10	<1	<0.005
CD001 81.0 1.0 D	24	22	90	10	<1	<0.005
CD001 82.0 1.0 D	20	20	85	12	<1	<0.005
CD001 83.0 1.0 D	18	22	80	12	<1	<0.005
CD001 84.0 1.0 D	16	16	100	12	<1	<0.005
CD001 85.0 1.0 D	32	20	110	14	<1	<0.005
CD001 86.0 1.0 D	14	16	90	12	<1	<0.005
CD001 87.0 1.0 D	32	42	80	14	<1	<0.005
CD001 88.0 1.0 D	26	30	80	12	<1	<0.005
CD001 89.0 1.0 D	14	14	75	10	<1	<0.005
CD001 90.0 1.0 D	20	42	75	14	<1	<0.005
CD001 91.0 1.0 D	16	10	75	10	<1	<0.005
CD001 92.0 1.0 D	18	30	70	12	<1	<0.005
CD001 93.0 1.0 D	16	18	80	10	<1	<0.005
CD001 94.0 1.0 D	36	20	85	12	<1	<0.005
CD001 95.0 1.0 D	24	24	75	12	<1	<0.005
CD001 96.0 1.0 D	26	20	85	12	<1	<0.005
CD001 97.0 1.0 D	20	14	65	10	<1	<0.005
CD001 98.0 1.0 D	16	12	60	8	<1	<0.005
CD001 99.0 1.0 D	18	26	80	10	<1	<0.005
CD001 100.0 1.0 D	24	14	70	8	<1	<0.005
CD001 101.0 1.0 D	26	16	110	10	<1	<0.005
CD001 102.0 1.0 D	16	14	90	10	<1	<0.005

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ANALYTICAL REPORT

0184

JOB COM841140 O/N : 0872

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CD001 103.0 1.0 D	16	16	200	10	<1	<0.005
CD001 104.0 1.0 D	34	6	65	10	<1	<0.005
CD001 105.0 1.0 D	30	12	110	8	<1	<0.005
CD001 106.0 1.0 D	26	26	140	8	<1	<0.005
CD001 107.0 1.0 D	14	10	110	10	<1	<0.005
CD001 108.0 1.0 D	20	12	70	10	<1	<0.005
CD001 109.0 1.0 D	46	6	60	10	<1	<0.005
CD001 110.0 1.0 D	18	6	50	10	<1	<0.005
CD001 111.0 1.0 D	24	6	65	10	<1	<0.005
CD001 112.0 1.0 D	22	10	80	12	<1	<0.005
CD001 113.0 1.0 D	16	10	80	10	<1	<0.005
CD001 114.0 1.0 D	16	16	105	10	<1	<0.005
CD001 115.0 1.0 D	18	14	85	10	<1	<0.005
CD001 116.0 1.0 D	18	14	75	10	<1	<0.005
CD001 117.0 1.0 D	18	6	60	8	<1	<0.005
CD001 118.0 1.0 D	16	8	70	8	<1	<0.005
CD001 119.0 1.0 D	20	10	70	12	<1	<0.005
CD001 120.0 1.0 D	18	10	75	8	<1	<0.005
CD001 121.0 1.0 D	18	8	60	8	<1	<0.005
CD001 122.0 1.0 D	165	210	115	22	1	<0.005
CD001 123.0 1.0 D	100	48	65	16	<1	<0.005
CD001 124.0 1.0 D	34	18	80	12	<1	<0.005
CD001 125.0 1.0 D	20	12	80	10	<1	<0.005
CD001 126.0 1.0 D	28	10	75	12	<1	<0.005
CD001 127.0 1.0 D	34	8	65	12	<1	<0.005

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ANALYTICAL REPORT

0185

JOB COM841140 O/N : 0872

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CD001 128.0 1.0 D	26	6	65	12	<1	<0.005
CD001 129.0 1.0 D	32	10	65	10	<1	<0.005
CD001 130.0 1.0 D	24	10	75	10	<1	<0.005
CD001 131.0 1.0 D	28	8	70	12	<1	<0.005
CD001 132.0 1.0 D	18	8	130	12	<1	<0.005
CD001 133.0 1.0 D	28	14	140	10	<1	<0.005
CD001 134.0 1.0 D	22	14	95	12	<1	<0.005
CD001 135.0 1.0 D	20	38	85	10	<1	<0.005
CD001 136.0 1.0 D	30	22	80	12	<1	<0.005
CD001 137.0 1.0 D	30	16	80	14	<1	<0.005
CD001 138.0 1.0 D	18	10	60	8	<1	<0.005
CD001 139.0 1.0 D	20	10	70	12	<1	<0.005
CD001 140.0 1.0 D	24	14	60	12	<1	<0.005
CD001 141.0 1.0 D	30	14	60	12	<1	<0.005
CD001 142.0 1.0 D	22	24	65	10	<1	<0.005
CD001 143.0 1.0 D	24	12	85	12	<1	<0.005
CD001 144.0 1.0 D	20	14	75	10	<1	<0.005
CD001 145.0 1.0 D	18	10	55	10	<1	<0.005
CD001 146.0 1.0 D	18	14	70	12	<1	<0.005
CD001 147.0 1.0 D	22	16	70	12	<1	<0.005
CD001 148.0 1.0 D	20	55	70	10	<1	<0.005
CD001 149.0 1.0 D	20	14	75	10	<1	<0.005
CD001 150.0 1.0 D	14	26	60	8	<1	<0.005
CD001 151.0 1.0 D	16	36	50	8	<1	<0.005
CD001 152.0 1.0 D	26	14	70	10	<1	<0.005

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ANALYTICAL REPORT

JOB COM841140 O/N : 0872

0186

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CD001 153.0 1.0 D	24	16	75	12	<1	<0.005
CD001 154.0 1.0 D	22	22	70	10	<1	<0.005
CD001 155.0 1.0 D	28	34	110	10	<1	<0.005
CD001 156.0 1.0 D	26	18	95	10	<1	<0.005
CD001 157.0 1.0 D	26	26	70	10	<1	<0.005
CD001 158.0 1.0 D	26	12	70	12	<1	<0.005
CD001 159.0 1.0 D	20	18	80	12	<1	<0.005
CD001 160.0 1.0 D	26	18	90	10	<1	<0.005
CD001 161.0 1.0 D	20	12	80	10	<1	<0.005
CD001 162.0 1.0 D	18	16	75	12	<1	<0.005
CD001 163.0 1.0 D	14	10	65	10	<1	<0.005
CD001 164.0 1.0 D	18	16	85	12	<1	<0.005
CD001 165.0 1.0 D	18	14	80	12	<1	<0.005
CD001 166.0 1.0 D	30	12	70	10	<1	<0.005
CD001 167.0 1.0 D	14	16	60	10	<1	<0.005
CD001 168.0 1.0 D	14	16	65	10	<1	<0.005
CD001 169.0 1.0 D	22	18	75	12	<1	<0.005
CD001 170.0 1.0 D	18	30	55	10	<1	<0.005
CD001 171.0 1.0 D	10	10	55	10	<1	<0.005
CD001 172.0 1.0 D	20	32	75	12	<1	<0.005
CD001 173.0 1.0 D	22	18	80	14	<1	<0.005
CD001 174.0 1.0 D	18	14	80	12	<1	<0.005
CD001 175.0 1.0 D	18	10	80	10	<1	<0.005
CD001 176.0 1.0 D	20	14	90	12	<1	<0.005
CD001 177.0 1.0 D	16	22	80	10	<1	<0.005

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ANALYTICAL REPORT

JOB COM841140 O/N : 0872 0187

Results in ppm

SAMPLE	Cu	Pb	Zn	Co	Ag	Au
CD001 178.0 1.0 D	18	16	50	8	<1	<0.005
CD001 179.0 1.0 D	18	16	40	14	<1	<0.005
CD001 179.5 0.5 D	16	10	60	8	<1	<0.005

Method of Analysis : Cu Pb Zn Co : AAS1
Ag : AAS3
Au : AAS5B

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ANALYTICAL REPORT

JOB COM841140 O/N : 0872

0188

Results in ppm

SAMPLE	As	Ba	Sb
CD001 3.0 0.75 D	<2	95	4
CD001 4.0 1.0 D	<2	70	<4
CD001 5.0 1.0 D	<2	65	4
CD001 6.0 1.0 D	3	75	<4
CD001 7.0 1.0 D	2	75	<4
CD001 8.0 1.0 D	3	310	4
CD001 9.0 1.0 D	2	740	4
CD001 10.0 1.0 D	2	480	<4
CD001 11.0 1.0 D	2	640	10
CD001 12.0 1.0 D	<2	740	<4
CD001 13.0 1.0 D	<2	730	8
CD001 14.0 1.0 D	<2	220	6
CD001 15.0 1.0 D	<2	105	6
CD001 16.0 1.0 D	<2	460	<4
CD001 17.0 1.0 D	<2	150	8
CD001 18.0 1.0 D	3	185	4
CD001 19.0 1.0 D	4	610	<4
CD001 20.0 1.0 D	<2	700	4
CD001 21.0 1.0 D	<2	430	<4
CD001 22.0 1.0 D	<2	2600	8
CD001 23.0 1.0 D	<2	1650	6
CD001 24.0 1.0 D	<2	410	<4
CD001 25.0 1.0 D	4	400	<4
CD001 26.0 1.0 D	2	370	4
CD001 27.0 1.0 D	<2	480	8

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ANALYTICAL REPORT

JOB COM841140 O/N : 0872 0189

Results in ppm

SAMPLE	As	Ba	Sb
CD001 28.0 1.0 D	2	360	4
CD001 29.0 1.0 D	<2	310	6
CD001 30.0 1.0 D	6	240	4
CD001 31.0 1.0 D	6	1150	<4
CD001 32.0 1.0 D	5	990	6
CD001 33.0 1.0 D	5	420	6
CD001 34.0 1.0 D	3	650	<4
CD001 35.0 1.0 D	<2	490	6
CD001 36.0 1.0 D	<2	460	<4
CD001 37.0 1.0 D	<2	770	<4
CD001 38.0 1.0 D	<2	510	12
CD001 39.0 1.0 D	<2	570	4
CD001 40.0 1.0 D	2	2200	4
CD001 41.0 1.0 D	<2	2000	<4
CD001 42.0 1.0 D	4	270	10
CD001 43.0 1.0 D	6	610	<4
CD001 44.0 1.0 D	4	600	<4
CD001 45.0 1.0 D	<2	340	4
CD001 46.0 1.0 D	<2	185	6
CD001 47.0 1.0 D	<2	460	<4
CD001 48.0 1.0 D	4	500	4
CD001 49.0 1.0 D	20	440	8
CD001 50.0 1.0 D	34	590	12
CD001 51.0 1.0 D	6	790	8
CD001 52.0 1.0 D	6	620	6

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ANALYTICAL REPORT

JOB COM841140 O/N : 0872

0190

Results in ppm

SAMPLE	As	Ba	Sb
CD001 53.0 1.0 D	12	620	6
CD001 54.0 1.0 D	12	620	<4
CD001 55.0 1.0 D	12	640	12
CD001 56.0 1.0 D	8	630	6
CD001 57.0 1.0 D	3	610	4
CD001 58.0 1.0 D	4	650	<4
CD001 59.0 1.0 D	6	540	<4
CD001 60.0 1.0 D	12	490	<4
CD001 61.0 1.0 D	8	510	6
CD001 62.0 1.0 D	7	500	<4
CD001 63.0 1.0 D	4	530	8
CD001 64.0 1.0 D	5	500	4
CD001 65.0 1.0 D	8	550	6
CD001 66.0 1.0 D	2	480	<4
CD001 67.0 1.0 D	<2	510	4
CD001 68.0 1.0 D	8	530	<4
CD001 69.0 1.0 D	5	540	<4
CD001 70.0 1.0 D	5	520	<4
CD001 71.0 1.0 D	3	480	<4
CD001 72.0 1.0 D	2	510	4
CD001 73.0 1.0 D	4	520	<4
CD001 74.0 1.0 D	3	500	8
CD001 75.0 1.0 D	3	520	10
CD001 76.0 1.0 D	3	480	6
CD001 77.0 1.0 D	<2	510	<4

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ANALYTICAL REPORT

0191

JOB COM841140 O/N : 0872

Results in ppm

SAMPLE	As	Ba	Sb
CD001 78.0 1.0 D	<2	560	6
CD001 79.0 1.0 D	<2	490	6
CD001 80.0 1.0 D	<2	550	4
CD001 81.0 1.0 D	<2	530	4
CD001 82.0 1.0 D	<2	490	4
CD001 83.0 1.0 D	<2	530	<4
CD001 84.0 1.0 D	<2	480	<4
CD001 85.0 1.0 D	2	510	<4
CD001 86.0 1.0 D	<2	520	4
CD001 87.0 1.0 D	<2	470	6
CD001 88.0 1.0 D	2	490	4
CD001 89.0 1.0 D	2	510	6
CD001 90.0 1.0 D	7	510	<4
CD001 91.0 1.0 D	<2	500	<4
CD001 92.0 1.0 D	3	610	8
CD001 93.0 1.0 D	<2	480	4
CD001 94.0 1.0 D	<2	480	4
CD001 95.0 1.0 D	3	490	4
CD001 96.0 1.0 D	<2	500	4
CD001 97.0 1.0 D	3	510	6
CD001 98.0 1.0 D	2	500	6
CD001 99.0 1.0 D	<2	430	6
CD001 100.0 1.0 D	2	440	4
CD001 101.0 1.0 D	4	500	6
CD001 102.0 1.0 D	5	460	6

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ANALYTICAL REPORT

JOB COM841140 O/N : 0872 0192

Results in ppm

SAMPLE	As	Ba	Sb
CD001 103.0 1.0 D	4	490	<4
CD001 104.0 1.0 D	4	490	8
CD001 105.0 1.0 D	7	490	6
CD001 106.0 1.0 D	4	440	8
CD001 107.0 1.0 D	6	460	4
CD001 108.0 1.0 D	9	480	8
CD001 109.0 1.0 D	4	450	6
CD001 110.0 1.0 D	5	460	8
CD001 111.0 1.0 D	2	440	<4
CD001 112.0 1.0 D	8	430	6
CD001 113.0 1.0 D	7	470	<4
CD001 114.0 1.0 D	5	470	4
CD001 115.0 1.0 D	3	430	<4
CD001 116.0 1.0 D	6	500	<4
CD001 117.0 1.0 D	4	490	6
CD001 118.0 1.0 D	5	480	4
CD001 119.0 1.0 D	8	450	<4
CD001 120.0 1.0 D	<2	450	6
CD001 121.0 1.0 D	6	470	6
CD001 122.0 1.0 D	10	440	10
CD001 123.0 1.0 D	3	480	10
CD001 124.0 1.0 D	<2	440	8
CD001 125.0 1.0 D	<2	440	4
CD001 126.0 1.0 D	7	440	8
CD001 127.0 1.0 D	38	460	4

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ANALYTICAL REPORT

JOB COM841140 O/N : 0872

0193

Results in ppm

SAMPLE	As	Ba	Sb
CD001 128.0 1.0 D	115	480	6
CD001 129.0 1.0 D	8	440	<4
CD001 130.0 1.0 D	4	340	<4
CD001 131.0 1.0 D	3	340	4
CD001 132.0 1.0 D	3	320	4
CD001 133.0 1.0 D	4	340	<4
CD001 134.0 1.0 D	6	360	<4
CD001 135.0 1.0 D	<2	330	<4
CD001 136.0 1.0 D	<2	350	<4
CD001 137.0 1.0 D	7	360	8
CD001 138.0 1.0 D	<2	320	6
CD001 139.0 1.0 D	2	300	6
CD001 140.0 1.0 D	10	350	4
CD001 141.0 1.0 D	6	450	6
CD001 142.0 1.0 D	10	360	4
CD001 143.0 1.0 D	5	480	4
CD001 144.0 1.0 D	6	480	<4
CD001 145.0 1.0 D	2	460	<4
CD001 146.0 1.0 D	2	460	<4
CD001 147.0 1.0 D	8	430	<4
CD001 148.0 1.0 D	7	420	6
CD001 149.0 1.0 D	3	470	<4
CD001 150.0 1.0 D	7	450	6
CD001 151.0 1.0 D	4	370	4
CD001 152.0 1.0 D	3	450	4

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ANALYTICAL REPORT

0194

JOB COM841140 O/N : 0872

Results in ppm

SAMPLE	As	Ba	Sb
CD001 153.0 1.0 D	3	440	8
CD001 154.0 1.0 D	7	410	4
CD001 155.0 1.0 D	7	400	<4
CD001 156.0 1.0 D	3	480	4
CD001 157.0 1.0 D	2	420	4
CD001 158.0 1.0 D	2	460	6
CD001 159.0 1.0 D	8	450	6
CD001 160.0 1.0 D	<2	450	<4
CD001 161.0 1.0 D	<2	460	<4
CD001 162.0 1.0 D	4	440	<4
CD001 163.0 1.0 D	7	460	<4
CD001 164.0 1.0 D	3	430	8
CD001 165.0 1.0 D	2	430	6
CD001 166.0 1.0 D	3	430	6
CD001 167.0 1.0 D	<2	360	6
CD001 168.0 1.0 D	4	360	<4
CD001 169.0 1.0 D	<2	340	<4
CD001 170.0 1.0 D	<2	320	4
CD001 171.0 1.0 D	4	300	8
CD001 172.0 1.0 D	7	380	6
CD001 173.0 1.0 D	3	470	4
CD001 174.0 1.0 D	3	350	<4
CD001 175.0 1.0 D	<2	430	<4
CD001 176.0 1.0 D	3	380	6
CD001 177.0 1.0 D	<2	320	6

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ANALYTICAL REPORT

0195

JOB COM841140 O/N : 0872

Results in ppm

SAMPLE	As	Ba	Sb
CD001 178.0 1.0 D	5	320	8
CD001 179.0 1.0 D	9	390	8
CD001 179.5 0.5 D	<2	350	<4

Method of Analysis : As Ba Sb : XRF1

APPENDIX 4

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0197

South Australian Stratiform Copper

Location: Copperlinka Mine . EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17th/5/84
COMPLETED: 21st/5/84

LOGGED BY: S.A. Brady
DATE: 28/5/84

HOLE Nº: CD001
PAGE 1 OF 27

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 075 °M
NORTHING ________ M. M.
EASTING ________ M. M.
COLLAR RL ________ M. M.
DATUM ______

Assays (3 Significant Figures) | INTERVAL DESIGNATION (Hole Designation, Depth to bottom of Interval, Length of Interval, Spare (for 16 digit system)) | Card type | Zone | Contacts | ROCK TYPE (Rock type 4 letter code, Lombard Nº, Grain Size, Sorting, Sphericity & Roundness, Color 4 letter code, Environment of Deposition) | MINERALOGY (QZ, FL, MI, RX, Mode %) | ECON MIN SPECIES (CP, PY, Mode %) | Summary of mineralization | PHYSICAL CHARACTER (Porosity, Cementation, Mineralogy, Induration, Texture, Sedimentary Structures) | ROCK MECHANICS CORE (Core Recovery, N > ½, Fracturing) | Core Structure Log

Assays	Interval designation	Card	Log entry
SCALES: Ba Cu Pb Zn Sb Ag As.	M	H	L W J QEFL ØXØQ PY
Results in ppm.			Comments to be punched / Comments not to be punched
	CD001000 23 023	LK	DRAG BIT USED FROM SURFACE TO 2.25M
	CD001000 47 024 D	L	W WFALIO4 4 2575 GRNMS TTTS TRT2 LQZ$2ULITH
		L	MASS
		LK	GREEN ARENITE Z MINOR BROWN WEATHERED ZONES. MINOR QTZ VEINS
		LK	PRESENT Z VUGHY CAVITIES. FE-OXIDES DISPERSED THROUGHOUT ROCK
95 60 22 40 14 <1 <2	0003 0007	A	
70 28 26 34 <4 <1 <2	0004 0010	A	
	CD001000 56 009 D	L	W WFALIO4 4 2575 BRWLS TTTS TRT2 MQZ$3ULITH
		L	MASS
		LK	SLIGHTLY MORE WEATHERED TO ABOVE.
65 55 20 42 14 <1 <2	0005 0010	A	
	CD001000 72 016 D	L	W GFQDXO4 4 2575 GRNLS TTTS TRT2 C2 02MQZ$2ULITH
		L	MASS
		LK	LIMONITE HAS REPLACED PYRITE CUBES <5CM. LIGHT GREEN Z BROWN
		LK	TINGE. SLIGHTLY MORE WEATHERED IN PLACES.
75 60 18 44 <4 <1 3	0006 0010	A	
75 40 18 32 <4 <1 2	0007 0010	A	
	CD001000 74 002 D	L	W GSMLIO6 4 1575 GRNMS T5 M 3BGRAD
		L	PLAM
		LK	GREYISH GREEN COLOUR Z REDDISH SANDY WHISPS POORLY DEVELOPED
		LK	LAMINATIONS.
	CD001000 88 014 D	L	W CFQLIO4 4 2575 BRWMS TTTS MQZ$3UGRAD
		L	CLXX
		LK	UPWARD FINING SEQUENCE COARSE TO MEDIUM SAND GRADATIONAL TO
		LK	ABOVE UNIT. MINOR SMALL CLASTS PRESENT. GREENISH TINGE TO ROCK.

O = ZERO , Ø = ALPHA O ; I = ONE ; I = ALPHA I ; 2 = TWO , Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0198

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY S.A. Brady
DATE 29/5/84

HOLE Nº CD001
PAGE 2 OF 27

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 075 °M
NORTHING .... M
EASTING .... M
COLLAR RL .... M
DATUM ....

Assays (3 Significant Figures): Cu	Pb	Zn	Sb	Ag	As	Interval Designation (Hole Designation / Depth to bottom of interval / Length of interval / Spare)	Card type	Zone / Contacts / Rock type / Colour / Mineralogy / Econ Min Species / Physical Character
Cu	Pb	Zn	Sb	Ag	As	M	H	L W I OXOR
								← Comments to be punched → ← Comments not to be punched →
310	34	10	35	4	<1 .3	00080010	A	
						CD0010010401 6D	L	W GSMXX06 41575 GRNM6 M 3IINTR
							L	PLAM
							LK	DØMINANT SILTSTØNE Ć WHISPS ØF SANDSTØNE TØ SANDSTØNE INTER-
							LK	BEDS ESPECIALLY FRØM 98 TØ 100M. SLTS. FINES UP TØ MINØR MS IN
							LK	PLACES, Ć REDDISH CØLØUR
740	55	50	130	4	<1 2	00090010	A	
680	38	40	115	<4	<1 2	00100010	A	
						CD0010011120 08D	L	W GMSXX0E 41575 GRNM5 TR M 3IINTR
							L	SLUM
							LK	DØMINANT SANDSTONE MEDIUM TØ FINE GRAINED Ć INTRACLASTS OR
							LK	INTERDIGITATING MINOR SILTSTØNE IN PLACES DEFØRMED AND BRØKEN
							LK	UP SHARP CØNTACTS AND MASSIVE.
640	46	8	20	1.0	<1 2	00110010	A	
						CD0010012501 3D	L	W HSMXX06 41575 8RWM6 M 3IINTR
							L	CDXX
							LK	DØMINANT SILTSTØNE Ć INTRACLASTS ØR INTERBEDS ØF MINOR FG TØ
							LK	MG SANDSTØNE AS DYKES IN PLACES
740	36	6	110	<4	<1 <2	00120010	A	
						CD0010013300 8D	L	W HMSXX05 41575 8RWMS TSTR M 3IINTR
							L	CDXX
							LK	DØMINANT SANDSTØNE Ć VARIABLY INTERCOLATED ØR BEDDED SILTSTØNE
							LK	Ć SANDSTØNE DYKES & SILTSTØNE DYKES. GREENISH TINGE TØ RØCK.
							LK	MEDIUM TØ FINE GRAINED SANDSTØNE. RØCK PRØDUCT ØF HIGH ENERGY
							LK	SØFT SEDIMENT DEFØRMATIØN.
730	26	14	100	8	<1 <2	00130010	A	

O = ZERO, Ø = ALPHA O, I = ONE, I = ALPHA I, 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0199

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY S.A. Brady
DATE 29/5/84

HOLE Nº CD001
PAGE 3 OF 27

TYPE OF HOLE DDH ✓ PDH RDH
DIP 60° AZIMUTH 075 °M
NORTHING M
EASTING M
COLLAR RL M
DATUM

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of interval | Length of interval | Spare (for 16 digit system)

Card type | Zone | Contacts | ROCK TYPE: Rock type 4 letter code | Lombard Nº | Grain Size | Sorting | Sphericity & Roundedness | Color (4 letter code) | Environment of Deposition | MINERALOGY: QZ, FL, MI, RX (Mode %) | ECON MIN SPECIES: CP, PY (Mode %) | Summary of mineralization | PHYSICAL CHARACTER: Porosity, Cementation (Mineralogy), Induration, Texture, Sedimentary Structures | ROCK MECHANICS (CORE): Core Recovery, N = ½, Fracturing | Core Structure Log

Cu	Pb	Zn	Sb	Ag	As	Interval designation	Card	Coded data / comments
Cu	Pb	Zn	Sb	Ag	AS	M	H	W I QZFL ØXØQ PY
								Comments to be punched — Comments not to be punched
						CD0010015702 4D	L	W GFALIO5X3573BRWMS TTTS TRTZ MI OIM 3UMASS
							LK	LIMONITE HAS REPLACED PYRITE CUBES. MINOR QTZ VEINING PRESENT
							LK	0.5% OXIDES ARE DISSEMINATED LIMONITE. GREENISH & ORANGE TINGE
							LK	TO ROCK.
220	24	26	185	6	<1	<2	00140010	A
105	34	6	42	6	<1	<2	00150010	A
						CD0010018102 4D	L	W GFALIO5425738RWMS TTTS TRT2 F2 O2M 3ZXSTT
							L	GRAD
							L	MASS
							LK	DOMINANTLY MEDIUM GRAINED SANDSTONE MASSIVE FINING UP TO CROSS
							LK	BEDDED FINE GRAINED SANDSTONES TO SILTSTONES TOP 20CM. FINE
							LK	GRAINED PYRITE DISPERSED AT TOP OF SECTION ALONG c MINOR PY.
							LK	CUBES REPLACED BY LIMONITE. BLUISH TINGE TO ROCKS AT TOP OF
							LK	SECTION.
460	30	<4	44	<4	<1	<2	00160010	A
150	30	<4	60	8	<1	<2	00170010	A
185	24	<4	65	4	<1	3	00180010	A
						CD0010018600 5D	L	W HMSIXO5425736RNDS TSTS TR M 3ZXSTT
							L	GRAD
							L	INTR
							L	CDIX
							LK	DOMINANTLY MEDIUM TO FINE SANDSTONE c MINOR UPWARD FINING
							LK	UNITS TO SILTSTONE. c SMALL INTRACLASTS OF SILTSTONE. X-BEDS IN
							LK	TOP 10CM OF UNIT. X-BEDS DEFINED BY BLACK CARBONACEOUS MATERIAL
							LK	MINOR SILTSTONE DYKE DEVELOPED IN SANDSTONE AT 18.4M. MINOR
							LK	LIMONITE BAND PRESENT.

O = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper

Location Copperlinka Mine

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY S.A. Brady
DATE 30/5/84

HOLE Nº CD001
PAGE 4 OF 27

TYPE OF HOLE DDH ✓ PDH RDH
DIP 60° AZIMUTH 075 °M
NORTHING ____ M EASTING ____ M COLLAR RL ____ M DATUM ____

Assays (3 Significant Figures) | INTERVAL DESIGNATION (Hole Designation, Depth to bottom of Interval, Length at Interval, Spare (for 16 digit system)) | Card type | Zone | Contacts | ROCK TYPE (Rock type 4 letter code, Lombard Nº, Grain Size, Sorting, Sphericity & Roundedness, Color 4 letter code, Environment of Deposition facies) | MINERALOGY (QZ, FL, MI, RX; Mode %) | ECON MIN SPECIES (CP, PY; Mode %) | PHYSICAL CHARACTER (Porosity, Mineralogy, Cementation, Induration, Texture, Sedimentary Structures) | ROCK MECHANICS CORE (Core Recovery, N × 1/2, Fracturing) | Core Structure Log

Cu	Pb	Zn	Sb	Ag	As	Interval designation	Card	Data
SCALES NAMES: Cu	Pb	Zn	Sb	Ag	AS.	M	H	N I QZFL OXOR
								Comments to be punched — Comments not to be punched
						CD001001195009D	L	W GSXXX06405756RNMS TS M 3BINTR
							LK	DOMINANT GREEN-GREY SILTSTONE Ē MINOR BEDDED MUDSTONE REDDISH
							LK	& MINOR MEDIUM TO FINE GRAINED SANDSTONE VARIABLY BEDDED
							LK	WH(SS WITH LIMONITE STAINING)
610	48	<4	110	<4	<1 .4	0019001 0	A	
						CD001002040009D	L	W GMSXXX6405756RNDS TS M 21INTR
							L	LOAD
							LK	DOMINANT MEDIUM TO FINE GRAINED GREEN-GREY SANDSTONE Ē MINOR
							LK	INTRACLASTS OF SILTSTONE OR MUDSTONE IRREGULARLY BEDDED WITH
							LK	SILTSTONE & REDDISH MUDSTONE MINOR LOADING OF SAND INTO SILT
							LK	SHARP ERROSIONAL BOUNDARIES TO SANDSTONE.
700	18	6	105	4	<1 <2	0020001 0	A	
						CD001002330029D	L	W 6QQQ05X3575BRWPE TUTS TST2 HQZ53UMASS
							L	V$
							LK	QUARTZ RICH ARENITE TO QUARTZITE IN PLACES. PALE BROWN TO
							LK	WHITE Ē IRREGULAR ORANGE LIMONITIC STAINING. SUB-VERTICAL QTZ
							LK	VEIN 5MM THICK Ē EXTENSIVE LIMONITE PROBABLY AFTER PYRITE.
							LK	HIGHLY BLEACHED AND POROUS IN PLACES.
430	44	14	155	<4	11 .<2	0021001 0	A	
26I	16	4	12	8	<1 <2	0022001 0	A	
17I	24	8	12	6	<1 <2	0023001 0	A	
						CD001002480015D	L	W GMSXX0641575GRNDS TTS T3 M 2BINTR
							L	FILMS
							LK	DOMINANT MEDIUM TO FINE GRAINED SANDSTONE Ē MINOR INTERBEDS
							LK	OF SILTSTONE INTRACLASTS OF SILTSTONE (10%) BOTH SANDSTONE AND
							LK	SILTSTONE FLAME STRUCTURES PRESENT.

O = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Z = ALPHA Z

DRILL HOLE GEOLOGIC LOG

UTAH DEVELOPMENT CO. 0201

South Australian Stratiform Copper

Location: Copperlinka Mine . EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84

LOGGED BY: S.A. Brady
DATE: 30/5/84

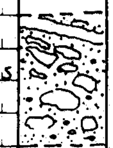
HOLE Nº: C0001
PAGE: 5 OF 27

TYPE OF HOLE: DDH ✓ PDH RDH
DIP 60° AZIMUTH 075 °M
NORTHING ____ M
EASTING ____ M
COLLAR RL ____ M
DATUM ____

Assays (3 Significant Figures)

Row	Assays: Cu	Pb	Zn	Sb	Ag	As.	Interval designation / Card entry (Hole Designation, Depth to bottom of interval, Length of interval, Card type, Rock type, Mineralogy, Physical character) / Comments
1							(Header: M H ... W I 82 FL ... OQ ... PY) — Comments to be punched / Comments not to be punched
2	410	24	4	60	<4	<1	.<2 — 00240010 A
3							C00010025400 6D L N GMSXXOS 41575 GRNDS TTTS T3 M 2ZINTR
4							LK DOMINANTLY MEDIUM TO FINE GRAINED SANDSTONE & MINOR INTERBEDS
5							LK OF SILTSTONE & EXTENSIVE SILTSTONE INTRACLASTS (≈50%)
6	400	12	4	90	<4	<1	.4 — 00250010 A
7							C00010025800 4D L N GMSXXOS 41575 GRNDS TTTS T3 M 2ZINTR
8							LK GRADATIONAL TO ABOVE UNIT & MINOR SMALL SILTSTONE INTRACLASTS
9							LK MEDIUM GRAINED SANDSTONE
10							C00010026901 1D L N GMSXXOS 41575 GRMDS TTTS T3 M 2BGRAD
11							LK DOMINANTLY FINE GRAINED SANDSTONE OFTEN FINING UP TO SILTSTONE
12							LK & IRREGULAR BEDS OF SILTSTONE AS WELL AS SILTSTONE WISPS.
13							LK TOTAL SILTSTONE ≈40%
14	370	26	4	90	4	<1	.2 — 00260010 A
15							C00010027500 6D L N CPRLIOSX 35 75 BRNLS TUTS T5 C3 H 3UMASS
16							L LOAD
17							L GRAD
18							LK PYRITE REPLACED BY LIMONITE YELLOW LIMONITE STAINING THROUGH
19							LK OUT WELL DEVELOPED LOAD CASTS & UPWARD FINING SAND TO SILT
20							LK BEDS AT BASE OF INTERVAL.
21	480	40	4	95	8	<1	<2 — 00270010 A
22							C00010028400 9D L N GMSXXOS 41575 GRNDS TUTS T5 M 2BGRAD
23							L INTR
24							L LOAD
25							LK INTERBEDDED UPWARD FINING FINE GRAINED SANDSTONE AND SILTSTONE
26							LK VERY MINOR INTRACLASTS PRESENT & MINOR LOAD CASTS. BEDDING
27							LK SLIGHTLY IRREGULAR.
28							

Core Structure Log



O = ZERO, Ø = ALPHA O, I = ONE, I = ALPHA I, 2 = TWO, Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0202

South Australian Stratiform Copper

Location Copperlinka Mine EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.

COMMENCED 17/5/84

COMPLETED 21/5/84

LOGGED BY S.A. Brady

DATE 31/5/84

HOLE Nº CD001

PAGE 6 OF 27

TYPE OF HOLE: ODH ✓ PDH RDH

DIP 60° AZIMUTH 075 °M

NORTHING ______ M · EASTING ______ M · COLLAR RL ______ M · DATUM ______

Card column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of Interval; Length of Interval; Spare (for 16 digit system)) · Card type · Zone · Contacts · ROCK TYPE (Rock type 4 letter code; Lombard Nº; Grain Size; Sorting; Sphericity & Roundness; Color (4 letter code); Environment of Deposition (facies)) · MINERALOGY (QZ, FL, MI, RX — Mode %) · ECON MIN SPECIES (CP, PY — Mode %) · Summary of mineralization · PHYSICAL CHARACTER (Porosity; Cementation; Mineralogy; %; Induration; Texture; Sedimentary Structures) · ROCK MECHANICS (CORE) (Core Recovery; N > ½; Fracturing) · Core Structure Log

Assays (3 Significant Figures)

Scales / Nos.	Cu	Pb	Zn	Sb	Ag	As	Card (columns 1–80)
							M H W 3 QZFLMI OXØR
							Comments to be punched — Comments not to be punched
360	28	<4	75	4	<1	2	00280010 A
							CD001002890050D L W CFRAZ05X3375PNKL5 TVT$ T5 C2 02MQZR2VMASS
							LK PYRITE CUBES REPLACED BY LIMONITE QUARTZ CEMENTED BUT POROUS
							LK MEDIUM GRAINED SANDSTONE PINK TO GREEN COLOUR
							CD001002930040D L W CASX X05 4 1575GRNM5 TUTS F$T5 M 3BLOAD
							L SLUM
							LK DOMINANTLY MEDIUM TO FINE GRAINED SANDSTONE VARIABLY BEDDED
							LK TO DEFORMED C SILTSTONE.
310	16	<4	80	6	<1	<2	00290010 A
							CD001003000070D L W UFRAZ05X3375PNKL5 TWT$ T1 C1 01MQZR2VMASS
							L VZ
							LK PYRITE REPLACED BY LIMONITE C MINOR LIMONITE ON JOINT SURFACES
							LK DARK GREEN COLOUR IN PLACES ONE 5MM QTZ VEIN PRESENT.
240	105	32	230	4	<1	6	00300010 A
							CD001003020020D L W VQSXX WTEB VZ N 1 VEIN
							LK 18cm QTZ VEIN C NO MINERALISATION BROKEN INTO SMALL PEBBLE
							LK SIZE PIECES.
							CD001003090070D L W GSZMZ07X0173PNKL6 TXT$FR H 2BWAVY
							LK HIGHLY POROUS BLEACHED MUDSTONE TO SILTSTONE POOR IRREGULAR
							LK BEDDING DEVELOPED IN PLACES DEFINED BY CHANGE IN COLOUR TO
							LK GREENISH OXIDIZED DISSEMINATED GREEN MICAS(?) ABUNDANT GIVING
							LK SPECKLED CHARACTER TO ROCK
							CD001003130040D L W HOMAZ07X1373GRNL6 TWT$FS H 2BSLUM
							L GRAD
							LK GRADATIONAL TO ABOVE UNIT GREEN COLOUR DUE TO MICAS(?) DEFORMED
							LK BEDDING AT UPPER CONTACT GRADATIONAL TO LOWER (PROBABLY DUE TO

0 = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper

Location: Copperlinka Mine EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84

LOGGED BY: S. A. Brady
DATE: 31/5/84

HOLE No: CD001
PAGE 7 OF 27

0203

TYPE OF HOLE: DDH ✓ PDH RDH
DIP 60° AZIMUTH 075 °M

NORTHING ________ M
EASTING ________ M
COLLAR RL ________ M
DATUM ________

Column headings: Assays (3 Significant Figures) | INTERVAL DESIGNATION: Hole Designation, Depth to bottom of Interval, Length of Interval, Spare (for 16 digit system) | Card type | Zone | Contacts | ROCK TYPE: Rock type 4 letter code, Lombard No, Grain Size, Sorting, Sphericity & Roundedness, Color (4 letter code), Environment of Deposition / facies | MINERALOGY: QZ, FL, MI, RX (Mode %) | ECON MIN SPECIES: CP, PY (Mode %), Summary of mineralization | PHYSICAL CHARACTER: Porosity, Cementation (Mineralogy, %), Induration, Texture, Sedimentary Structures | ROCK MECHANICS (CORE): Core Recovery, N > 1/2, Fracturing | Core Structure Log

Cu	Pb	Zn	Sb	Ag	As	Log entry
SCALES / NOTES: Cu	Pb	Zn	Sb	Ag	As	M H W J QZ FL MI ØXØQ PY
						Comments to be punched — Comments not to be punched
						LK UPWARD COARSENING
1R5	70	4	145	<4	<1 6	00310010 A
						C0001003210080D L H GØZMX07X0173PNKLG TXTSFR H 2UMASS
						LK UNIFORM DISTRIBUTION OF FINE GRAINED DISSEMINATED MICAS(?) IN
						LK MASSIVE BEDDED MUDSTONE TO SILTSTONE
990	38	<4	135	.6	<1 .5	00320010 A
						C0001003320111D L H CFRGY0E4257SGRALG TWTS F2 C1 01M 3UMASS
						L V1 GRAD
						LK UPWARD FINING MEDIUM TO FINE GRAINED SANDSTONE & ASSOCIATED
						LK UPWARD HARDENING. LIMONITE REPLACED PYRITE CUBES, MINOR QTZ
						LK VEIN PRESENT. VARIABLE COLOUR DUE TO WEATHERING FROM GREY TO
						LK PINK TO WHITE CLAYEY MATRIX.
420	42	12	60	6	<1 .5	00330010 A
						C0001003390070D L W CMSXX0541575GRNMS TWTRT3 T8 C2 03M 3BGRAD
						LK UPWARD FINING UNITS FROM FINE SANDSTONE TO SILTSTONE. MINOR
						LK INTERNAL UPWARD FINING UNITS. ELONGATE WHISPS OF SILTSTONE
						LK WITHIN FINE SANDSTONE. LIMONITE REPLACED PYRITE
						C0001003420030D L W GSMXX06X1575GRNMS TWTRT3 T5 C1 01M 3UGRAD
						LK UPWARD FINING AT BASE OF A UNIT. DOMINANTLY SILTSTONE & SAND
						LK SIZED CLASTS. MINOR PYRITE CUBES REPLACED BY LIMONITE. MINOR
						LK WHITE CLAYEY MUDSTONE PRESENT.
650	16	4	100	<4	<1 3	00340010 A
						C0001003570150D L M GERPY0EX3375PWKLS TWTS T5 C5 05H 3UMASS
						LK GRADATIONAL GREEN COLOUR AT TOP AND BOTTOM OF UNIT. LIMONITE
						LK HAS REPLACED LARGE PYRITE CUBES. LIMONITIC STAINED IN PLACES
490	24	<4	60	6	<1 <2	00350010 A

0 = ZERO; Ø = ALPHA O; 1 = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0204

South Australian Stratiform Copper
Location Copperlinka Mine . EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED : 21/5/84

LOGGED BY S.A. Brady
DATE 1/6/84

HOLE Nº CD001
PAGE 8 OF 27

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐
DIP 60° AZIMUTH 075 °M
NORTHING .... M
EASTING .... M
COLLAR RL .... M
DATUM ......

Assays (3 Significant Figures)

Row	Cu	Pb	Zn	Sb	Ag	As	Card (columns 1–80)
SCALES	Cu	Pb	Zn	Sb	Ag	As	M H W T QZ FL MI ØXØQCY PY
1							Comments to be punched / Comments not to be punched
2							CD001003690120 L N CASXXOS41575GRNMS TVT$ FT M3 SM 2BINTR
3							LK MINOR LIMONITIC STAINING PRESENT LIMONITE HAS PARTIALLY TO
4							LK COMPLETELY REPLACED PYRITE(DISSEMINATED AND IN VEINS). MINOR
5							LK ELONGATE PARALLEL INTRACLASTS OF SILTSTONE TO MUDSTONE PRESENT
6							LK SANDSTONE IS FINE GRAINED BRECCIATED ZONE AT 35.8 TO 35.9M
7	460	30	<4	18	<4	<1 <2	00360010 A
8							CD001003710020 L N GSMRYOS41575GRNMS TVT$ T$ M2 SM 2BGRAD
9							L XTPY
10							LK FRESH SMALL PYRITE CRYSTALS PRESENT SMALL UPWARD FINING UNITS
11							LK FROM FINE SANDSTONE TO SILTSTONE OR MUDSTONE Ē SHARP EROSIONAL
12							LK BASAL BOUNDARIES.
13	770	18	<4	95	<4	<1 <2	00370010 A
14							CD001003880180 L N GMSXXOS41375GRNMS TVT$ T$ M2 SM 2BINTR
15							L XTPY
16							L GRAD
17							LK SLIGHTLY UPWARD FINING SEQUENCE FROM MEDIUM TO FINE SANDSTONE
18							LK Ē INTERNAL FINING UPWARD SEQUENCES TWO 5CM THICK AREAS OF
19							LK INTERBEDDED SILTS & SANDS AT 37.8 AND 38.2M MINOR FRESH PYRITE
20							LK CRYSTALS PRESENT MINOR SILTSTONE INTRACLASTS PRESENT.
21	510	18	<4	90	12	<1 <2	00380010 A
22							CD001003990100 L N CPRGYOSX3375LTEMS TNT$ F3T1F$ V3 SH 3UMASS
23							LK PYRITE PARTIALLY TO COMPLETELY REPLACED BY LIMONITE CRYSTALS
24							LK WELL DEVELOPED REDDISH BROWN LIMONITIC STAINING IN PLACES.
25							LK VERTICAL VEIN. SHARP CONFORMABLE BASAL CONTACT. HIGHLY BLEACHED
26							LK WEATHERED APPEARANCE Ē CLAY IN MATRIX
27	570	12	<4	75	4	<1 <2	00390010 A
28							

O = ZERO, Ø = ALPHA O, I = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0205

South Australian Stratiform Copper

Location Copperlinka Mine

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY S.A. Brady
DATE 1/6/84

HOLE No CD001
PAGE 9 OF 27

TYPE OF HOLE DDH ✓ PDH RDH
DIP 60° AZIMUTH 075 °M

NORTHING ______ M
EASTING ______ M
COLLAR RL ______ M
DATUM ______

Assays (3 Significant figures)

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of Interval; Length of Interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition/facies); MINERALOGY (QZ, FL, MI, RX — Mode %); ECON MIN SPECIES (CP, PY — Mode %); Summary of mineralization; PHYSICAL CHARACTER (Porosity; Cementation: Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N > ½; Fracturing); Core Structure Log

SCALES / NOTES: Cu Pb Zn Sb Ag As | M H L W J QZ FL ØACY PY

Comments to be punched → | Comments not to be punched →

Row	Cu	Pb	Zn	Sb	Ag	As	Log entry
2							CD00100403004D L W GØSKARB41575GRNM TYTØ T$ M 2BINTA
3							L GRAD
4							LK SLIGHTLY UPWARD FINING FINE GRAINED SANDSTONE & MINOR INTERBED
5							LK OF SILTSTONE MINOR SILTSTONE INTRAKLASTS PRESENT
6	22T	30	14	20	4	<1 2	00400010 A
7							CD00100424021D L W CFØPY05X3375GRAL TW F$ M$ H 3UMASS
8							L INTR
9							LK FRESH PYRITE CRYSTALS DISSEMINATED THROUGHOUT UNIT HIGHLY
10							LK WEATHERED KLAYEY APPEARANCE MINOR MEDIUM GREY SILTSTONE
11							LK INTRAKLASTS PRESENT
12	20T	10	<4	50	<4	<1 <2	00410010 A
13	270	38	18	290	10	<1 4	00420010 A
14							CD00100435011D L W CØZCY07403 71GRAL TT FT M$ $H 4BGRAD
15							L INTR
16							LK TWO BEDS OF UPWARD FINING SILTSTONE TO CLAYSTONE HIGHLY
17							LK WEATHERED LIMONITE REPLACED SMALL PYRITE CRYSTALS DISSEMINATED
18							LK THROUGHOUT UNIT SINGLE LARGE DEFORMED BEDDED INTRACLAST OF
19							LK SILTSTONE AT 43.2m
20	610	34	55	280	<4	<1 6	00430010 A
21							CD0010043900 4D L W CØPY06X1373GRAM TW T5F$ F2 2H 3UMASS
22							L INTR
23							LK MASSIVE COARSE GRAINED SILTSTONE & INTRACLASTS OF MUDSTONE
24							LK MINOR FINE PYRITE PARTIALLY TO COMPLETELY REPLACED BY LIMONITE
25							CD0010044005D L W CØZCY0ZX0375GRAM TW FS H 4UMASS
26							LK HIGHLY WEATHERED CLAYEY MASSIVE MUDSTONE SOFT NO STRUCTURES
27	600	44	20	810	<4	<1 4	00440010 A

O = ZERO, Ø = ALPHA O ; I = ONE ; I = ALPHA Ii; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

South Australian Stratiform Copper

Location: Copperlinka Mine. EL 1102

DRILL HOLE GEOLOGIC LOG

0206

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84

LOGGED BY: S.A. Brady
DATE: 1/6/84

HOLE No: CD001
PAGE 10 OF 27

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 075 °M
NORTHING ______ M
EASTING ______ M
COLLAR RL ______ M
DATUM ______

Assays (3 Significant Figures)

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of interval; Length of interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition/Facies); MINERALOGY (QZ, FL, MI, RX; Mode %); ECON MIN SPECIES (CP, PY; Mode %); Summary of mineralization; PHYSICAL CHARACTER (Porosity; Cementation – Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N > ½; Fracturing); Core Structure Log

Line	Cu	Pb	Zn	Sb	Ag	As	Card columns 1–80
SCALES / NAMES	Cu	Pb	Zn	Sb	Ag	As	M H W I QZ ØXØCY PY
1							← Comments to be punched → ← Comments not to be punched →
2							CD00100459010150 L M CASCYR0405 75GRAM TW FR FI HQZ24UMASS
3							LK SILTY CLAYEY FINE GRAINED SANDSTONE HIGHLY WEATHERED & SINGLE
4							LK 4CM SILTSTONE BAND. MINOR PYRITE CRYSTALS DISSEMINATED.
5							LK IRREGULAR PATCHY QUARTZ CEMENT PRESENT IN PLACES.
6	340	20	210	480	4	<1 <2	00450010 A
7							CD0010046130040 L M GHSIZO6H1575ØRND TW FS MLIS2BMASS
8							LK ØRANGE-BRØWN CØLØUR. HIGH LIMØNITE CØNTENT. BRECCIATIØN PRESENT
9							LK DUE TØ WEATHERING. FINE GRAINED SANDSTØNE BED ØVERLIES BED ØF
10							LK SILTSTØNE.
11	105	230	40	280	6	2 <2	00460010 A
12							CD00100466 0030 L M GRZPYR7403 75GRAL TW FS M2 H 3BWAVY
13							LK IRREGULARLY TØ WAVY INTERBEDDED SILTSTØNE AND CLAYSTØNE.
14							LK PYRITE DISSEMINATED THRØUGHØUT. WEATHERED SØFT APPEARANCE.
15							CD00100469 0030 L M CØMLIO7X1375ØRNM TW FS H 3UGRAD
16							LK SLIGHTLY UPWARD FINING FRØM CØARSE TØ FINE GRAINED SILTSTØNE.
17							LK LIMØNITE RICH AND HIGHLY WEATHERED.
18							CD00100473 0040 L M CFRSIO5X3375ØRNMS TW FS H 3UMASS
19							LK LIMØNITIC STAINED MEDIUM GRAINED SANDSTØNE & IRREGULAR DARK
20							LK BRØWN STAINS. UNIFØRM GRAIN SIZE.
21	460	650	70	340	<4	3 <2	00470010 A
22							CD00100480 0070 L M HRCLIRXC1 ØRNL TR T2TX H 5UNØNE
23							LK VERY SØFT CLAYSTØNE & LIGHT ØRANGE TØ BRØWN TØ WHITE CØLØUR
24							LK DUE TØ WEATHERING AND LIMØNITE CØNTENT.
25	500	700	44	70	4	4 4	00480010 A
26							CD00100490 0100 L M HBMCYO7403 GRAL TI T2TU MI H 5BWAYY
27							LK FINELY SLIGHTLY IRREGULARLY BEDDED FINE GRAINED SILTSTØNE AND
28							

O = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA I; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY S.A. Brady
DATE 2/6/84

HOLE No CD001 **0207**
PAGE 11 OF 27

TYPE OF HOLE DDH ✓ PDH ☐ RDH ☐
DIP 60° AZIMUTH 075 °M
NORTHING ______ M
EASTING ______ M
COLLAR RL ______ M
DATUM ______

Column groups: Assays (3 Significant Figures) (card columns 1–28) | Interval Designation: Hole Designation, Depth to bottom of interval, Length of interval, Spare (for 16 digit system) | Card type | Zone | Contacts | Rock Type: Rock type (4 letter code), Lombard No, Grain Size, Sorting, Sphericity & Roundedness, Color (4 letter code), Environment of Deposition facies | Mineralogy: QZ, FL, MI, RX (Mode %) | Econ Min Species: CP, PY (Mode %), Summary of mineralization | Physical Character: Porosity, Cementation (Mineralogy, %), Induration, Texture, Sedimentary Structures | Rock Mechanics (Core): Core Recovery, N > 1/2, Fracturing | Core Structure Log

Card columns 17–37: Comments to be punched. Card columns 62–80: Comments not to be punched.

Scales – Assays: Cu, Pb, Zn, Sb, Ag, As

Line	Assays (Cu Pb Zn Sb Ag As)	Interval designation	Card type	Columns 18–80
(header)		M	H	L W I QZ ØXØQCY PY
1				
2			LK	MUDSTONE. HIGHLY WEATHERED CLAYEY APPEARANCE. MINOR MEDIUM
3			LK	GRAINED SILTSTONE INTERBEDDED.
4	440 790 84 650 8 2 20	00480010	A	
5		CD001005080180D	L	W GØMCY07403756RAL6 TR FW MI H 48PLAM
6			L	VEIN
7			LK	HIGHLY WEATHERED CLEYEY GREY TO WHITE CLEYSTONE DOMINANT OVER
8			LK	THIN LAMINATIONS OF SILICIFIED FINE GRAINED SILTSTONE SLIGHTLY
9			LK	BROKEN IN APPEARANCE DUE TO WEATHERING. POORLY DEFINED BASAL
10			LK	CONTACT. QUARTZ VEIN 2CM WIDE AT 49.6M. FRESH PYRITE CUBES
11			LK	DISSEMINATED AROUND 49.2M.
12	590 440 300 141 12 34	00500010	A	
13		CD001005118010D	L	W HØZII07403750RNM6 TT FS FT H 48PLAM
14			LK	HIGHLY WEATHERED ORANGE AND GREY PATCHY COLOUR. POORLY
15			LK	LAMINATED DEFINED BY LIMONITIC STAINING AND GRAINSIZE FROM
16			LK	CLAYSTONES TO FINE GRAINED SILTSTONES. INTERBEDDED DOMINANT
17			LK	SILTSTONE AREAS & DOMINANT CLAYSTONE AREAS.
18	790 240 32 290 8 6	00510010	A	
19		CD001005290110D	L	W HØZXX07403756RAM6 TT FT H 48PLAM
20			LK	INTERBEDDED LAMINATED FINE GRAINED SILTSTONE AND CLAYSTONE
21			LK	WITH CLAYSTONE (SILTY). FINELY LAMINATED. HIGHLY WEATHERED.
22	620 240 24 a 6 6	00520010	A	
23		CD001005550260D	L	W HØMX07X13776RAM6 TT T$FR F5 5H 4LPLAM
24			LK	DOMINANTLY FINE GRAINED CLAYEY SILTSTONE LAMINATED WITH MEDIUM
25			LK	GRAINED SILTSTONE AND FINE DARK GREY LAMINATIONS WITH HIGH
26			LK	OPAQUE CONTENT. FINE GRAINED PYRITE DOMINANTLY REPLACED BY
27			LK	LIMONITE.
28				

O = ZERO, Ø = ALPHA O; I = ONE; I = ALPHA I; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO

DRILL HOLE GEOLOGIC LOG

0208

South Australian Stratiform Copper
Location Copperlinka Mine. EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY S.A. Brady
DATE 2/6/84

HOLE No CD001
PAGE 12 OF 27

TYPE OF HOLE DDH ✓ PDH RDH
NORTHING ____ M
EASTING ____ M
COLLAR RL ____ M
DIP 60° AZIMUTH 075 °M DATUM ____

Assays (3 Significant Figures)

Line	Cu	Pb	Zn	Sb	Ag	As	Interval designation (Hole designation / Depth to bottom of interval / Length of interval)	Card type	Zone / Rock type / Comments
SCALES	Cu	Pb	Zn	Sb	Ag	As	M	H	(rock type, W, I, QZ, ØXØØCY, PY)
1									Comments to be punched / Comments not to be punched
2	600	140	18	930	6	K	00530010	A	
3	620	212	8	340	4	K	00540010	A	
4	640	26	12	230	2	K	00550010	A	
5							CD001 00577 0220	L	H HØMILTØZX1 3770RNM TU FR FS FI M 3LPLAM
6								LK	DOMINANTLY FINE GRAINED SILTSTONE WITH LAMINATIONS OF MEDIUM
7								LK	GRAINED SILTSTONE. LIMONITIC STAINED AND LIMONITIC REPLACED
8								LK	PYRITE (FINE GRAINED DISSEMINATED). ALSO MINOR THIN LAMINATIONS
9								LK	OF VERY FINE GRAINED SILTSTONE TO MUDSTONE PRESENT.
10	630	20	20	190	6	K	00560010	A	
11	610	24	48	220	4	K	00570010	A	
12							CD001 00583 0060	L	H HØMLIØZX1 3776RAM TU FR FI M 2LPLAM
13								L	VI
14								LK	DOMINANTLY MEDIUM GRAINED SILTSTONE WITH THIN FINE GRAINED
15								LK	SILTSTONE LAMINATIONS. MINOR LIMONITIC STAINING IN PLACES.
16								LK	PYRITE AS MINOR FINE GRAINED DISSEMINATIONS AND IN THIN VEINS
17								LK	SINGLE EROSIONAL SURFACE AT 57.9M. LAMINATIONS ALSO DEFINED
18								LK	BY COLOUR CHANGE FROM DARK GREY TO LIGHT GREY. LOWER BOUNDARY
19								LK	GRADATIONAL TO TILLITE.
20	650	60	90	160	4	K	00580010	A	
21							CD001 00627 0440	L	U USMXXO1 41953GRAD TVTRTS TS FS SL ICCLXX
22								L	VM MASS
23								LK	DIAMICTITE. VERY POORLY SORTED SANDY SILTSTONE WITH ROUNDED TO
24								LK	ANGULAR CLASTS OF MIXED PROVENANCE. CLASTS RANGE UP TO 20 cm
25								LK	DIAMETER. DOMINANTLY QUARTZITE CLASTS. ORANGE LIMONITE STAINED
26								LK	SLIGHTLY WEATHERED AREA BETWEEN 59.11 m AND 59.1 KM. SILTSTONE
27								LK	MATRIX IS MEDIUM GRAINED. CLAST GENESIS INCLUDES PLUTONIC (
28									

O = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA I; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO — DRILL HOLE GEOLOGIC LOG

0209

South Australian Stratiform Copper
Location: Copperlinka Mine. EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84
LOGGED BY: S.A. Brady
DATE: 3/6/84
HOLE No: CD001
PAGE 13 OF 27

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 075 °M
NORTHING / EASTING / COLLAR RL / DATUM

Line	Cu	Pb	Zn	Sb	Ag	As	Interval designation	Card entry
							M	H … W 3 QZ FL MI ØQ PY
1								Comments to be punched / Comments not to be punched
2								LK COARSE GRAINED K-FELDSPAR, QUARTZ, BIOTITE, PYRITE), CLASTIC
3								LK (QUARTZITE CLASTS OR SMALL DARK GREY FINE GRAINED SILTSTONE
4								LK CLASTS OR MINOR SMALL BLUE OPALINE CLASTS) AND UNSPECIFIED (
5								LK CALCITE PYRITE CLASTS).
6								LK 583 TO 590M 4 CLASTS ≥ 5MM DIAMETER. 590 TO 600M 5 CLASTS ≥
7								LK 5MM DIAM ON CUT SURFACE 600 TO 611.0M 3 CLASTS ≥ 5MM DIAM 610
8								LK TO 620M 6 CLASTS ≥ 5MM DIAM 620 TO 627M 4 CLASTS ≥ 5MM DIAM
9	540	60	26	85	<4	<1	6	00590010	A
10	400	26	12	80	<4	<1	12	00600010	A
11	510	24	16	80	6	<1	8	00610010	A
12	500	24	12	90	<4	<1	7	00620010	A
13							C001 00628001 D	L Ø UØSXX GRNL VZ L VEIN
14								LK PROBABLE DIAGENETIC VEINING IRREGULAR CONTACT SURFACES
15								LK INTERNAL DARK GREEN STREAKS SHOWING SHEARS MINOR VEINING OF
16								LK WHITE QUARTZ PRESENT
17							C001 00616503 7D	L U USMXXOI41753GRAD TVTRTS TS F2 L ICCLXX
18								L VI MASS
19								LK DIAMICTITE WITH FINE GRAINED DISSEMINATED PYRITE SOMETIMES
20								LK CONCENTRATED AROUND CLASTS 2CM DIAM. HIGHLY ROUNDED CLAST OF
21								LK QUARTZITE AT 644M 628 TO 630M 0 CLASTS ≥ 5MM DIAM. 630 TO 640
22								LK M 4 CLASTS ≥ 5MM DIAM 640 TO 650M 9 CLASTS ≥ 5MM DIAM 650
23								LK TO 660M 1 CLAST ≥ 5MM DIAM 660 TO 665M 3 CLASTS ≥ 5MM DIAM
24								LK HIGHLY IRREGULAR COLOUR CHANGE DEFINING SLIGHT COMPOSITION
25								LK CHANGE TO HIGHER [illegible] CONTENT (20%) FOR [illegible] TO DARK GREY
26	530	28	28	150	19	<1	4	00630010	A
27	500	20	12	170	14	<1	5	00640010	A
28								

0 = ZERO, Ø = ALPHA O, 1 = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO

DRILL HOLE GEOLOGIC LOG

0210

South Australian Stratiform Copper
Location Copperlinka Mine. EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY S.A. Brady
DATE 3/6/84

HOLE No C0001
PAGE 14 OF 27

TYPE OF HOLE DDH ✓ PDH RDH
NORTHING ___ M
EASTING ___ M
COLLAR RL ___ M
DIP 60° AZIMUTH 075 °M DATUM ___

Assays (3 Significant Figures): Samples / Notes, Cu, Pb, Zn, Sb, Ag, As	Interval Designation (Hole Designation, Depth to bottom of interval, Length at interval, Space)	Card type	Zone	Rock type / Mineralogy / Econ min species / Physical character (coded data and comments)
SCALES NOTES Cu Pb Zn Sb Ag As	M	H		L W Z QZFLMI OXORCA PY
				Comments to be punched — Comments not to be punched
550 20 6 95 6 <1 8	0065 0010	A		
650 16 14 90 <4 <1 2	0066 0010	A		
	C D001 0066 8003 D	L	2	USMXXO 141 953 GRAD TVTRT2 F3T$V3 H 4C VEIN
		L		CLX X
		L		MASS
		LK		HIGHLY BRECCIATED DIAMICTITE WITH THIN VEINS OF WEATHERED
		LK		CALCITE ORANGE-GREY COLOUR DUE TO LIMONITIC STAINING
		LK		66.5 TO 66.8M 1 CLAST > 5MM DIAM.
	C D001 0091 3245 D	L	2	CSMXXO 141 953 GRAD TVTRT2 F3T2VI FJ L 1CCLXX
		L		VJ MASS
		L		VEIN
		LK		MASSIVE DIAMICTITE WITH SCATTERED POORLY SORTED ROUNDED TO
		LK		SUB-ANGULAR CLASTS OF MULTIPLE GENESIS EG LARGEST CLAST, 4CM
		LK		BY 7CM AT 716.4M SUBROUNDED QUARTZITE; 2CM DIAM PLUTONIC CLAST
		LK		ROUNDED AT 79.0M; DARK GREY MICACEOUS SEDIMENTARY CLAST 1CM
		LK		DIAM AT 74.3M. DOMINANTLY QUARTZITE SEDIMENTARY CLASTS PRESENT
		LK		SOME CLASTS ARE PARTIALLY REPLACED BY PYRITE OR HAVE PYRITE
		LK		CONCENTRATIONS AROUND THE CLAST IN THE MATRIX. SMALL DARK
		LK		GREY SILTSTONE CLASTS USUALLY SUB-ROUNDED ALSO OCCUR. MINOR
		LK		THIN CALCITE AND/OR LIMONITE ± PYRITE VEINS OCCUR DISPERSED
		LK		THROUGHOUT SECTION. AREAS OF WEATHERING DEFINED BY LIMONITIC
		LK		STAINING (JOINTS ACTED AS CONDUITS) WITH ORANGE GREY COLOUR
		LK		OCCUR WITHIN SECTION. THESE LIMONITIC AREAS ARE FROM 67.3 TO
		LK		67.6M; FROM 72.9 TO 73.3M; FROM 74.5 TO 74.7M; FROM 77.0 TO 77.3M;
		LK		FROM 88.3 TO 88.4M; AND FROM 89.5 TO 89.8M. MINOR LIMONITE
		LK		COATINGS ON JOINT SURFACES ALSO OCCURS.

O = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0211

South Australian Stratiform Copper

Location Copperlinka Mine, EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84

LOGGED BY: S.A. Brady
DATE: 4/6/84

HOLE Nº CD001
PAGE 15 OF 27

TYPE OF HOLE: DDH ✓ PDH ☐ RDH ☐
NORTHING ____ FT M
EASTING ____ FT M
COLLAR RL ____ FT M
DATUM ____
DIP 60° AZIMUTH 075 °M

Assays (3 Significant Figures)

SCALES / CODES: Cu Pb Zn Sb Ag As

Header card: H … M … H … L … W … RZFLMI ØXØQCA PY

Comments to be punched — Comments not to be punched

Row	Card type	Comments
1		
2	LK	PYRITE ESPECIALLY BETWEEN 70.0 AND 72.0M HAS A SUB-PARALLEL
3	LK	DENDRITIC FORM DISPERSED THROUGHOUT THIS AREA EACH BEING
4	LK	APPROXIMATELY 1 TO 2CM LONG.
5	LK	66-67.0M 1 CLAST ≥ 5MM DIAM 67.0-68.0M 6 CLASTS ≥ 5MM DIAM 68.0-
6	LK	69.0M 2 CLASTS ≥ 5MM DIAM 69.0-70.0M 2 CLASTS ≥ 5MM DIAM 70.0-
7	LK	71.0M 5 CLASTS ≥ 5MM DIAM 71.0-72.0M 5 CLASTS ≥ 5MM DIAM 72.0-73.0
8	LK	M 2 CLASTS ≥ 5MM DIAM 73.0-74.0M 2 CLASTS ≥ 5MM DIAM 74.0-75.0M 4
9	LK	CLASTS ≥ 5MM DIAM 75.0-76.0M 8 CLASTS ≥ 5MM DIAM 76.0-77.0M 6
10	LK	CLASTS ≥ 5MM DIAM 77.0-78.0M 4 CLASTS ≥ 5MM DIAM 78.0-79.0M 6
11	LK	CLASTS ≥ 5MM DIAM 79.0-80.0M 6 CLASTS ≥ 5MM DIAM 80.0-81.0M 4
12	LK	CLASTS ≥ 5MM DIAM 81.0-82.0M 5 CLASTS ≥ 5MM DIAM 82.0-83.0M 5
13	LK	CLASTS ≥ 5MM DIAM 83.0-84.0M 6 CLASTS ≥ 5MM DIAM 84.0-85.0M 6
14	LK	CLASTS ≥ 5MM DIAM 85.0-86.0M 4 CLASTS ≥ 5MM DIAM 86.0-87.0M 3
15	LK	CLASTS ≥ 5MM DIAM 87.0-88.0M 9 CLASTS ≥ 5MM DIAM 88.0-89.0M 4
16	LK	CLASTS ≥ 5MM DIAM 89.0-90.0M 4 CLASTS ≥ 5MM DIAM 90.0-91.0M 5
17	LK	CLASTS ≥ 5MM DIAM 91.0-91.3M 4 CLASTS ≥ 5MM DIAM

Row	Cu	Pb	Zn	Sb	Ag	As	Interval designation	Card type
18	510	46	85	135	4	<1	<2	00670010	A
19	530	22	44	105	<4	<1	8	00680010	A
20	540	22	18	90	<4	<1	5	00690010	A
21	520	22	16	80	<4	<1	5	00700010	A
22	480	20	24	75	<4	<1	3	00710010	A
23	510	55	36	85	4	<1	2	00720010	A
24	520	32	48	120	<4	<1	4	00730010	A
25	500	18	20	85	8	<1	3	00740010	A
26	520	20	20	90	10	<1	3	00750010	A
27	480	26	50	85	6	<1	3	00760010	A
28									

0 = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILL HOLE GEOLOGIC LOG

0212

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84

LOGGED BY: S. A. Brady
DATE 4/6/84

HOLE Nº CD001
PAGE 16 OF 27

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐ — DIP 60° AZIMUTH 075 °M

NORTHING ________ M; EASTING ________ M; COLLAR RL ________ M; DATUM ________

Assays (3 Significant Figures)

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of Interval; Length of Interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard Nº; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition/facies); MINERALOGY (QZ, FL, MI, RX — Mode %); ECON MIN SPECIES (CP, PY — Mode %; Summary of mineralization); PHYSICAL CHARACTER (Porosity; Cementation — Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N = ½; Fracturing); Core Structure Log

Row	Cu	Pb	Zn	Sb	Ag	As	Interval designation	Card	Remainder
(Scales/Names)	Cu	Pb	Zn	Sb	Ag	As	M	H	W — QZFLMI ØXØCA PY
1									Comments to be punched / Comments not to be punched
2	510	24	82	98	<4	<1	<2	00772 0010	A	
3	560	24	36	90	6	<1	<2	00780 0010	A	
4	490	18	12	80	6	<1	<2	00790 0010	A	
5	550	18	18	90	<4	<1	<2	00800 0010	A	
6	530	24	22	90	14	<1	<2	00810 0010	A	
7	490	20	20	85	4	<1	<2	00820 0010	A	
8	530	18	22	80	<4	<1	<2	00830 0010	A	
9	480	16	16	100	<4	<1	<2	00840 0010	A	
10	510	32	20	110	<4	<1	2	00850 0010	A	
11	520	14	16	90	4	<1	<2	00860 0010	A	
12	470	32	42	80	6	<1	<2	00870 0010	A	
13	490	26	30	80	4	<1	2	00880 0010	A	
14	570	14	14	75	6	<1	2	00890 0010	A	
15	510	20	42	75	<4	<1	17	00900 0010	A	
16	500	16	10	75	<4	<1	<2	00910 0010	A	
17							CD001 00935 0220	L	V CSMX X01 4 19 5 3 GRAO TV TRT2 F3T2VJ FM L BCLXX
18								L	VJ VEIN
19								L	MASS
20								LK	DIAMICTITE AS ABOVE WITH SLIGHTLY DARKER AREAS ØF SILTSTØNE
21								LK	SLIGHTLY CØARSER GRAINED THAN NØRMAL DIAMICTITE GRØUNDMASS
22								LK	LACKING CLASTS IN THESE AREAS LØCATED AT 91.30–91.46M, 91.51–91.64
23								LK	M. AND 93.44–93.50M. VERY PØØRLY BEDDED TØ IRREGULAR AT 93.44M
24								LK	GRØØVES FØLLØW CURVE ØF CØNTACT SHØWING SEDIMENTARY ØRIGIN,
25								LK	PØSSIBLE DEFØRMATIØN (SØFT SEDIMENT) INFLUENCE. ØRANGE LIMØNITE
26								LK	STAINING FRØM 91.8 TØ 91.9M. CLASTS SAME AS PREVIØUS. LARGEST
27								LK	BEING 2CM DIAM QUARTZ/PYRITE ØF PLUTØNIC ØRIGIN AT 91.7M
28									

0 = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA Ii; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

South Australian Stratiform Copper

Location Copperlinka Mine. EL1102

DRILL HOLE GEOLOGIC LOG

0213

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84

LOGGED BY S.A. Brady
DATE 4/6/84

HOLE No CD001
PAGE 17 OF 27

TYPE OF HOLE: DDH ✓ PDH RDH
DIP 60° AZIMUTH 075 °M
NORTHING .... M
EASTING .... M
COLLAR RL .... M
DATUM ......

Assays (3 Significant Figures)

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of Interval; Length at Interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition/facies); MINERALOGY (QZ, FL, MI, RX; Mode %); ECON MIN SPECIES (CP, PY; Mode %; Summary of mineralization); PHYSICAL CHARACTER (Porosity; Cementation – Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N > 1/2; Fracturing); Core Structure Log

Row	Assays	Interval designation	Card type	Columns 19–80
SCALES/NAMES	Cu Pb Zn Sb Ag As	M	H	W QZ FL MI OX OA CA PY PR
1				Comments to be punched — Comments not to be punched
2			LK	91.0-92.0M 1 CLAST ≥ 5MM DIAM 92.0-93.0M 1 CLAST ≥ 5MM DIAM 93.0-
3			LK	93.5M 2 CLASTS ≥ 5MM DIAM
4	680 18 80 70 .8 <1 .13	00920010	A	
5	680 16 18 810 .4 <1 .40	00930010	A	
6		C0001011155220D	L	[illegible] 41/953 GRAD TVTRT2 FIT2VI FMFI L ICCLXX
7			L	VD MASS
8			L	VEIN
9			LK	DIAMICTITE-POORLY SORTED SANDY SILTSTONE MEDIUM GRAINED MATRIX
10			LK	WITH POORLY SORTED CLASTS ROUNDED TO SUB-ANGULAR OF MULTIPLE
11			LK	ORIGIN. EG DARK GREY FINE GRAINED SUB-ANGULAR 1CM DIAM CLAST
12			LK	OF SILTSTONE AT 96.0M; 1.5CM DIAM ROUNDED QUARTZITE CLAST AT
13			LK	100.2M; LARGEST CLAST 3CM DIAM SUB-ROUNDED GRANULE CONGLOMERATE
14			LK	OF WELL SORTED QUARTZ CLASTS WITH CALCITE MATRIX AT 105.0M;
15			LK	SUB-ROUNDED GRANITIC CLAST AT 105.4M; AND A HIGHLY REPLACED
16			LK	SILTSTONE/PYRITE/PYRRHOTITE CLAST AT 96.1M; ORANGE LIMONITIC
17			LK	STAINED OXIDIZED AREAS OCCUR BETWEEN 93.5-93.6M; 102.3-102.4M;
18			LK	104.0-104.2M; 109.0-107.3M; AND 115.2-115.5M
19			LK	93.5M-94.0M 2 CLASTS ≥ 5MM DIAM 94.0-95.0M 3 CLASTS ≥ 5MM DIAM
20			LK	95.0-96.0M 1 CLAST ≥ 5MM DIAM 96.0-97.0M 3 CLASTS ≥ 5MM DIAM 97.0-
21			LK	98.0M 1 CLAST ≥ 5MM DIAM 98.0-99.0M 2 CLASTS ≥ 5MM DIAM 99.0-100.0
22			LK	M 1 CLAST ≥ 5MM DIAM 100.0-101.0M 1 CLAST ≥ 5MM DIAM 101.0-102.0M
23			LK	1 CLAST ≥ 5MM DIAM 102.0-102.0M 0 CLASTS ≥ 5MM DIAM 103.0-104.0
24			LK	M 3 CLASTS ≥ 5MM DIAM 104.0-105.0M 3 CLASTS ≥ 5MM DIAM 105.0-106.
25			LK	0M 7 CLASTS ≥ 5MM DIAM 106.0-107.0M 7 CLASTS ≥ 5MM DIAM 107.0-10
26			LK	8.0M 7 CLASTS ≥ 5MM DIAM 108.0-109.0M 9 CLASTS ≥ 5MM DIAM 109.0-
27			LK	110.0M 3 CLASTS ≥ 5MM DIAM 110.0-111.0M 5 CLASTS ≥ 5MM DIAM 111.0
28				

0 = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0214

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.

COMMENCED 17/5/84

COMPLETED 21/5/84

LOGGED BY S. A. Brady

DATE 5/6/84

HOLE Nº CD001

PAGE 18 OF 27

TYPE OF HOLE DDH ✓ POH RDH

NORTHING ______ M, EASTING ______ M, COLLAR RL ______ M, DATUM ______

DIP 60° AZIMUTH 075 °M

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of Interval | Length of Interval | Spare (for 16 digit system) — Card type — Zone — Contacts — ROCK TYPE: Rock type 4 letter code | Lombard Nº | Grain Size | Sorting | Sphericity & Roundedness | Color (4 letter code) | Environment of Deposition (facies) — MINERALOGY: QZ | FL | MI | RX (Mode %) — ECON MIN SPECIES: CP | PY (Mode %) — Summary of mineralization — PHYSICAL CHARACTER: Porosity | Cementation (Mineralogy, Induration) | Texture | Sedimentary Structures — ROCK MECHANICS (CORE): Core Recovery | N = ½ | Fracturing — Core Structure Log

SCALES / ASSAYS: Cu Pb Zn Sb Ag As — M — H — W — QZFLMI — ØXØRCA — PY

Comments to be punched / Comments not to be punched

Row		Cu	Pb	Zn	Sb	Ag	As	Interval	Card type	Comments
1										
2									LK	-1120 2 CLASTS 2 5MM DIAM 1120-1130M 3 CLASTS 2 5MM DIAM 113.0
3									LK	-1140M 4 CLASTS 2 5MM DIAM 1140-1150M 6 CLASTS 2 5MM DIAM
4									LK	1150-1155M 3 CLASTS 2 5MM DIAM
5									LK	2CM BRECCIATED ZONE AT 1110M WITH CALCITE VEINING
6									AC	PYRRHOTITE AND PYRITE PRESENT
7									AC	IN APPROXIMATELY EQUAL AMOUNTS
8									AC	THROUGHOUT SECTION
9	460	36	20	85	4	<1	<2	00940010	A	
10	490	24	24	76	4	<1	3	00950010	A	
11	500	26	20	85	4	<1	<2	00960010	A	
12	570	20	14	65	6	<1	3	00970010	A	
13	500	16	12	60	6	<1	2	00980010	A	
14	430	18	26	80	6	<1	<2	00990010	A	
15	440	24	14	70	4	<1	2	01000010	A	
16	500	26	16	110	6	<1	4	01010010	A	
17	460	16	14	90	6	<1	5	01020010	A	
18	490	16	16	200	<4	<1	4	01030010	A	
19	490	34	6	65	8	<1	4	01040010	A	
20	490	30	12	110	6	<1	7	01050010	A	
21	440	26	26	90	8	<1	4	01060010	A	
22	460	14	10	110	4	<1	6	01070010	A	
23	480	20	12	70	8	<1	9	01080010	A	
24	450	46	6	60	6	<1	14	01090010	A	
25	460	18	6	50	8	<1	15	01100010	A	
26	440	24	6	65	<4	<1	2	01110010	A	
27	480	22	10	80	6	<1	8	01120010	A	
28										

O = ZERO, Ø = ALPHA O, I = ONE, I = ALPHA I, 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC. LOG

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 17/5/84
COMPLETED: 21/5/84

LOGGED BY: S.A. Brady
DATE 5/6/84

HOLE Nº CD001
PAGE 19 OF 27

TYPE OF HOLE: DDH ✓ PDH RDH
DIP 60° AZIMUTH 075 °M
NORTHING ____ M; EASTING ____ M; COLLAR RL ____ M; DATUM ____

Columns: Assays (3 Significant Figures) | Interval Designation (Hole Designation, Depth to bottom of interval, Length of Interval, Spare (for 16 digit system)) | Card type | Zone | Contacts | Rock Type (Rock type 4 letter code, Lombard Nº, Grain Size, Sorting, Sphericity & Roundness, Color (4 letter code), Environment of Deposition Facies) | Mineralogy (QZ, FL, MI, RX; Mode %) | Econ Min Species (CP, PY; Mode %) | Summary of mineralization | Physical Character (Porosity, Mineralogy, Cementation, Induration, Texture, Sedimentary Structures) | Rock Mechanics (Core) (Core Recovery, N > ½, Fracturing) | Core Structure Log

SCALES / NAMES: Cu Pb Zn Sb Ag As

Line	Cu	Pb	Zn	Sb	Ag	As	Interval	Card	Entry
								H	W QZFLMIRX ØXØQCA PYPR
1									(Comments to be punched / Comments not to be punched)
2	470	16	110	80	<4	<1	.7	01130010	A	
3	470	16	16	105	<4	<1	.5	01140010	A	
4	430	18	14	85	<4	<1	.3	01150010	A	
5							CD0010118002 5D	L	VFMXX 041 953 0RMP TVT7T FST2YR FI M 2CVEIM
6								L	MAS
7								L	CLX
8								LK	LIMONITE STAINED DIAMICTITE WITH HIGH CALCITE VEIN CONTENT
9								LK	AND TWO ZONES OF BRECCIATION AND SHEARING WITH CALCITE VEINING
10								LK	BETWEEN 1155-1158M AND 1178-1179M
11								LK	1155-1160M 0 CLASTS ≥ 5MM DIAM 1160-1170M 3 CLASTS ≥ 5MM DIAM
12								LK	1170-1180M 4 CLASTS ≥ 5MM DIAM
13								LK	PYRITE HAS BEEN REPLACED BY LIMONITE
14	500	18	14	75	<4	<1	.6	01160010	A	
15	490	18	6	60	6	<1	4	01170010	A	
16	480	16	8	70	4	<1	5	01180010	A	
17							CD0010134316 3D	L	CSMXX 041 955 GRAD TVTST2 FIT2V VIFJ L 1CCLXX
18								L	FJ MASS
19								L	VEIN
20								LK	DIAMICTITE WITH GROUNDMASS OF VERY POORLY SORTED SANDY MEDIUM
21								LK	GRAINED SILTSTONE WITH POORLY SORTED CLASTS ROUNDED TO SUB-
22								LK	ANGULAR OF VARIABLE ORIGIN EG SUB-ANGULAR QUARTZITE LAMINATED
23								LK	CLAST 15CM BY 4CM AT 1235M; ROUNDED COARSE GRAINED GRANITIC
24								LK	CLAST AT 1300M 15CM DIAM; COARSE GRAINED SUB-ROUNDED
25								LK	QUARTZ/FELDSPAR CLAST AT 1303M 10CM BY 10CM SUB-ROUNDED 30CM
26								LK	DIAM MICACEOUS BLACK SILTSTONE CLAST WITH PYRITE/PYRRHOTITE
27								LK	AT 1300M; AND SUBANGULAR 1CM BY 0.5CM BLACK FINE GRAINED
28									

0 = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0216

South Australian Stratiform Copper

Location Copperlinka Mine . EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.

COMMENCED: 17/5/84

COMPLETED: 21/5/84

LOGGED BY S.A. Brady

DATE 5/6/84

HOLE Nº CD001

PAGE 20 OF 27

TYPE OF HOLE: DDH ✓ | PDH | RDH

DIP 60° AZIMUTH 075 °M

NORTHING ________ M | EASTING ________ M | COLLAR RL ________ M | DATUM ______

Assays (3 Significant Figures)

SCALES / NOTES: Cu Pb Zn Sb Ag As

Card type H

Comments to be punched → Comments not to be punched

LK SILTSTONE CLAST AT 1307M. 60CM WIDE AREA OF SLIGHTLY DARKER

LK GREY MICACEOUS MEDIUM GRAINED SILTSTONE WITH HIGH DISSEMINATED

LK PYRRHOTITE CONTENT OCCURS AT 1219M. LIMONITIC STAINED OXIDIZED

LK AREA OCCURS BETWEEN 1277 AND 1279M. 1CM WIDE POORLY DEFINED

LK CURVED BAND OF DOMINANTLY SANDY MATERIAL OCCURS AT 1303M, MAY

LK DEFINE BEDDING. AREA OF HIGH CLAST CONTENT (25%) POORLY SORTED

LK OCCURS BETWEEN 1306 AND 1310M WITH POORLY DEFINED GRADATIONAL

LK BOUNDARIES.

LK 118.0-119.0M 1 CLASTS ≥ 5MM DIAM 119.0-120.0M 5 CLASTS ≥ 5 MM DIAM

LK 120.0-121.0M 2 CLASTS ≥ 5MM DIAM 121.0-122.0M 3 CLASTS ≥ 5MM DIAM

LK 122.0-123.0M 2 CLASTS ≥ 5MM DIAM 123.0-124.0M 5 CLASTS ≥ 5MM DIAM

LK 124.0-125.0M 6 CLASTS ≥ 5MM DIAM 125.0-126.0M 5 CLASTS ≥ 5MM DIAM

LK 126.0-127.0M 9 CLASTS ≥ 5MM DIAM 127.0-128.0M 7 CLASTS ≥ 5MM DIAM

LK 128.0-129.0M 12 CLASTS ≥5MM DIAM 129.0-130.0M 13 CLASTS ≥5MM DIAM

LK 130.0-131.0M 29 CLASTS ≥5MM DIAM 131.0-132.0M 1 CLASTS ≥5MM DIAM

LK 132.0-133.0M 14 CLASTS ≥5MM DIAM 133.0-134.0M 2 CLASTS ≥5MM DIAM

LK 134.0-134.3M 1 CLASTS ≥ 5MM DIAM

	Cu	Pb	Zn	Sb	Ag	As	Interval	Card type
450	20	10	7.0	44	<1	18	0119 0010	A
450	18	10	75	16	<1	<2	0120 0010	A
470	18	8	60	16	<1	6	0121 0010	A
440	65	210	15	10		19	0122 0010	A
480	100	48	65	10	<1	3	0123 0010	A
440	34	18	80	18	<1	<2	0124 0010	A
440	20	12	80	14	<1	<2	0125 0010	A
440	28	10	75	8	<1	[illegible]	0126 0010	A
460	34	8	65	4	<1	38	0127 0010	A

O = ZERO , Ø = ALPHA O ; I = ONE ; I = ALPHA I ; 2 = TWO ; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0217

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.

COMMENCED 17/5/84

COMPLETED 21/5/84

LOGGED BY S.A. Brady

DATE 5/6/84

HOLE No CD001

PAGE 21 OF 27

TYPE OF HOLE OOH ☑ POH ☐ ROH ☐

NORTHING ____ M

EASTING ____ M

COLLAR RL ____ M

DIP 60° AZIMUTH 075 °M DATUM ____

Assays (3 Significant Figures)

SAMPLES	NOTES	Cu	Pb	Zn	Sb	Ag	As
1							
2	4800	216	16	165	6	1.5	
3	4410	312	110	65	48	.8	
4	3640	124	100	715	54	.4	
5	3410	218	18	710	.4	3	
6	3210	118	8	130	4	13	
7	3610	218	14	1410	54	.4	
8	3600	212	14	86	54	6	
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23	3300	210	318	815	54	42	
24	3500	130	212	810	54	42	
25	3600	130	116	810	8	7	
26							
27							
28							

INTERVAL DESIGNATION: Hole Designation; Depth to bottom of Interval; Length of Interval; Spare (for 16 digit system)

Card type; Zone; Contacts

ROCK TYPE: Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition/facies

MINERALOGY: QZ; FL; MI; RX; Mode %

ECON MIN SPECIES: CP; PY; Mode %; Summary of mineralization

PHYSICAL CHARACTER: Porosity; Cementation; Mineralogy; Induration; Texture; Sedimentary Structures

ROCK MECHANICS (CORE): Core Recovery; N > ½; Fracturing

Core Structure Log

Comments to be punched

Comments not to be punched

0 = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA Ii; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0218

South Australian Stratiform Copper

Location: Copperlinka Mine. EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.

COMMENCED: 17/5/84

COMPLETED: 21/5/84

LOGGED BY: S. A. Brady

DATE: 5/6/84

HOLE No: CD001

PAGE 22 OF 27

TYPE OF HOLE: DDH ✓ / PDH / RDH

DIP 60° AZIMUTH 075 °M

NORTHING ____ FT M; EASTING ____ FT M; COLLAR RL ____ FT M; DATUM ____

Assays (3 Significant Figures) — SCALES / NAMES: Cu, Pb, Zn, Sb, Ag, As

Interval Designation: Hole Designation; Depth to bottom of Interval; Length of Interval; Spare (for 16 digit system)

Column headings: Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition/facies); MINERALOGY (QZ, FL, MI, RX — Mode %); ECON MIN SPECIES (CP, PY — Mode %; Summary of mineralization); PHYSICAL CHARACTER (Porosity; Cementation: Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N = ½; Fracturing); Core Structure Log

Row	Cu	Pb	Zn	Sb	Ag	As	Interval designation	Card type	Entry (cols 19–80)
								H	L W QZFLMI ØQCA PYPR
1									Comments to be punched — Comments not to be punched
2								L	MASS
3								LK	DIAMICTITE WITH HIGH CALCITE VEIN CONTENT AND MINOR ORANGE
4								LK	LIMONITIC STAINING. TWO ZONES OF BRECCIATION AND SHEARING
5								LK	WITH HIGH CALCITE CONTENT FROM 1373-1376 AND 1379-1389M MINOR
6								LK	PYRITE AND PYRRHOTITE PRESENT 1373-1380M 4 CLASTS ≥ 5MM DIAM
7								LK	1380-1389M 2 CLASTS ≥ 5MM DIAM
8	320	118	110	60	6	<1	<2	01380010	A	
9							CD001 01547 1580	L	CDMX 0141 958 GRAD TVTRT2 T2VM VIVI L CCLX
10								L	FSFJ VEIN
11								L	MASS
12								LK	DIAMICTITE. GRAIN SIZE CHANGE FROM COARSE GRAINED SILTSTONE
13								LK	ABOVE TO MEDIUM GRAINED SILTSTONE BELOW A LOWER BOUNDARY.
14								LK	GROUNDMASS AS BEFORE OF VERY POORLY SORTED MEDIUM GRAINED
15								LK	SILTSTONE WITH MINOR COARSE GRAINED SILTSTONE AND CLASTS OF
16								LK	VARIABLE ORIGIN EG SUB-ANGULAR MEDIUM GRAINED GRANITIC CLAST
17								LK	AT 1397M 2CM DIAM, SUB-ROUNDED MUDSTONE CLAST 1CM DIAM AT
18								LK	1421M & LARGEST CLAST 7CM DIAM SUB-ANGULAR QUARTZITE PALE
19								LK	YELLOW AT 1459M; 2CM DIAM BLACK MICACEOUS SILTSTONE ROUNDED
20								LK	CLAST AT 1540M; COARSE GRAINED SANDSTONE SUB-ROUNDED CLAST AT
21								LK	1487M
22								LK	2CM BAND OF CONCENTRATED FINE GRAINED SANDSTONE BACK WITH
23								LK	HIGH MICA CONTENT OCCURS AT 1470M GRADATIONAL BOUNDARIES BUT
24								LK	DEFINING BEDDING. HIGHLY IRREGULAR MASSES OF SLIGHTLY COARSER
25								LK	GRAINED SILTSTONE WITH A SLIGHTLY DARKER COLOUR GREY OCCUR
26								LK	WITHIN SECTION ESPECIALLY BETWEEN 1478 AND 1503M. 2CM DARK
27								LK	GREY TO BLACK BAND OF CONCENTRATED MICACEOUS AND OPAQUE RICH
28									

0 = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILL HOLE GEOLOGIC LOG

0219

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 17/5/84
COMPLETED 21/5/84

LOGGED BY: S. A. Brady
DATE 6/6/84

HOLE Nº CD001
PAGE 23 OF 27

TYPE OF HOLE DDH ✓ PDH ☐ ROH ☐
DIP 60° AZIMUTH 075 °M

NORTHING ______ M
EASTING ______ M
COLLAR RL ______ M
DATUM ______

Assays (3 Significant Figures)

SCALES / UNITS: Cu Pb Zn Sb Ag As.

Card type H

Comments to be punched → Comments not to be punched

Line	Card type	Comments
3	LK	FINE GRAINED SANDSTONE, POORLY SORTED WITH GRADATIONAL
4	LK	BOUNDARIES OCCURS AT 151.3M
5	LK	1390-1400M 13 CLASTS >5MM DIAM 1400-1410M [illegible]0 CLASTS >5MM DIAM
6	LK	1410-1420M 7 CLASTS >5MM DIAM 1420-1430M [illegible] CLASTS >5MM DIAM
7	LK	1430-1440M 8 CLASTS >5MM DIAM 1440-1450M [illegible] CLASTS >5MM DIAM
8	LK	1450-1460M 6 CLASTS >5MM DIAM 1460-1470M [illegible] CLASTS >5MM DIAM
9	LK	1470-1480M 2 CLASTS >5MM DIAM 1480-1490M [illegible] CLASTS >5MM DIAM
10	LK	1490-1500M 9 CLASTS >5MM DIAM 1500-1510M [illegible] CLASTS >5MM DIAM
11	LK	1510-1520M 7 CLASTS >5MM DIAM 1520-1530M [illegible] CLASTS >5MM DIAM
12	LK	1530-1540M 6 CLASTS >5MM DIAM 1540-1547M [illegible] CLASTS >5MM DIAM

Line	Cu	Pb	Zn	Sb	Ag	As	Depth to bottom of interval	Length at interval	Card type
12	300	20	10	70	6	<1	.2	01390	010	A
13	350	24	14	60	4	<1	1.0	01400	010	A
14	450	30	14	60	6	<1	.6	01410	010	A
15	360	22	24	65	4	<1	1.0	01420	010	A
16	480	24	12	85	4	<1	1.5	01430	010	A
17	480	20	14	75	<4	<1	.6	01440	010	A
18	460	18	10	55	<4	<1	.2	01450	010	A
19	460	18	19	70	<4	<1	.2	01460	010	A
20	430	22	16	70	<4	<1	.8	01470	010	A
21	420	20	55	70	6	<1	.7	01480	010	A
22	470	20	14	75	<4	<1	3	01490	010	A
23	450	14	26	60	6	<1	.7	01500	010	A
24	370	16	36	50	4	<1	.4	01510	010	A
25	450	26	14	70	4	<1	.3	01520	010	A
26	440	24	16	75	8	<1	.3	01530	010	A
27	410	22	22	70	4	<1	.7	01540	010	A

O = ZERO, Ø = ALPHA O, I = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper

Location Copperlinka Mine EL 1102

DRILLED BY : Peter Nitschke Drilling Pty. Ltd.

COMMENCED : 17/5/84

COMPLETED : 21/5/84

LOGGED BY: S. A. Brady

DATE 6/6/84

HOLE Nº CD001

PAGE 24 OF 27

0220

TYPE OF HOLE DDH ✓ PDH RDH

DIP 60° AZIMUTH 075 °M

NORTHING ______ Ft M

EASTING ______ Ft M

COLLAR RL ______ Ft M

DATUM ______

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of Interval | Length at Interval | Spare (for 16 digit system)

ROCK TYPE: Card type | Zone | Contacts | Rock type 4 letter code | Lombard Nº | Grain Size | Sorting | Sphericity & Roundedness | Color (4 letter code) | Environment of Deposition (facies)

MINERALOGY: QZ | FL | MI | RX

ECON MIN SPECIES: CP | PY | Summary of mineralization

PHYSICAL CHARACTER: Porosity | Cementation (Mineralogy, %) | Induration | Texture | Sedimentary Structures

ROCK MECHANICS (CORE): Core Recovery | N = ½ | Fracturing

Core Structure Log

SCALES:

NAMES:

	H	W QZ FL MI ØQCA PY PR
1		Comments to be punched — Comments not to be punched
2	C0001 0167 1 1240 L	C 4 1 1 9 5 3 GRAD TYTRTS TRVJ VAYA L CCLXX
3	L	FMFM MASS
4	L	VEIN
5	LK	DI... TE MASAL CONTACT DEFINED BY CHANGE IN GRAIN SIZE
6	LK	FROM UNDERLYING MEDIUM GRAINED SILTSTONE TO OVERLYING COARSE
7	LK	GRAINED SILTSTONE ALSO CHANGE IN COLOUR SLIGHTLY DARKER GREY
8	LK	ABOVE THE COARSE GRAINED SILTSTONE FORMS PART OF IRREGULAR
9	LK	MASSES THAT DECREASE IN ABUNDANCE UPWARDS REPLACED BY NORMAL
10	LK	MEDIUM GRAINED VERY POORLY SORTED SANDY SILTSTONE WITH CLASTS
11	LK	THAT ARE POORLY SORTED AND OF MULTIPLE ORIGIN EG 1CM DIAM
12	LK	ROUNDED MICACEOUS SILTSTONE AT 159.3M; 2CM DIAM SUB-ANGULAR
13	LK	COARSE GRAINED GRANITIC CLAST AT 162.8M; 1CM ROUNDED QUARTZITE
14	LK	CLAST AT 165.9M
15	LK	TWO 2CM BANDS OF DOMINANTLY CLASTS WITH GRADATIONAL BOUNDARIES
16	LK	POORLY SORTED, SHOWING A SLIGHT PREFFERED DIRECTION DEFINE
17	LK	BEDDING AT 156.4M AND 156.8M. IRREGULAR MASSES OF SLIGHTLY
18	LK	DARKER GREY COARSE GRAINED SILTSTONE OCCURS DISPERSED THROUGH
19	LK	OUT SECTION ESPECIALLY AROUND 161M. 5CM THICK ZONE OF VERY
20	LK	COARSE GRAINED SANDSTONE DOMINATED CLASTS OCCURS AT 166.0M
21	LK	154.0-155.0M 3 CLASTS >5MM DIAM 155.0-156.0 3 CLASTS >5MM DIAM
22	LK	156.0-157.0M 11 CLASTS >5MM DIAM 157.0-158.0M 6 CLASTS >5MM DIAM
23	LK	158.0-159.0M 7 CLASTS >5MM DIAM 159.0-160.0M 8 CLASTS >5MM DIAM
24	LK	160.0-161.0M 4 CLASTS >5MM DIAM 161.0-162.0M 7 CLASTS >5MM DIAM
25	LK	162.0-163.0M 6 CLASTS >5MM DIAM 163.0-164.0M 7 CLASTS >5MM DIAM
26	LK	164.0-165.0M 11 CLASTS >5MM DIAM 165.0-166.0M 8 CLASTS >5MM DIAM
27	LK	166.0-167.1M 5 CLASTS >5MM DIAM
28		

O = ZERO, Ø = ALPHA O ; I = ONE ; I = ALPHA I ; 2 = TWO ; Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0221

South Australian Stratiform Copper

Location Copperlinka Mine . EL 1102

DRILLED BY Peter Nitschke Drilling Pty. Ltd.

COMMENCED 17/5/84

COMPLETED 21/5/84

LOGGED BY S. A. Brady

DATE 6/6/84

HOLE No CD001

PAGE 25 OF 27

TYPE OF HOLE DDH ✓ PDH RDH

DIP 60° AZIMUTH 075 °M

NORTHING ____ M, EASTING ____ M, COLLAR RL ____ M, DATUM ____

Assays (3 Significant Figures)

SCALES: Cu, Pb, Zn, Sb, Ag, As.

Row	Cu	Pb	Zn	Sb	Ag	As	Interval designation (cols 1–16)	Card type	Zone	Rock type / Mineralogy / Econ min species / Physical character
(header)								H		W; QZFLMI; ØACA; PYPR
1										← Comments to be punched → Comments not to be punched →
2	400	28	34	110	<4	<1	7	01560010	A		
3	480	26	18	95	4	<1	.3	01560010	A		
4	420	26	26	70	4	<1	2	01570010	A		
5	460	26	12	70	6	<1	.2	01580010	A		
6	450	20	18	80	6	<1	.8	01590010	A		
7	450	26	18	90	<4	<1	<2	01600010	A		
8	460	20	12	80	<4	<1	<2	01610010	A		
9	440	18	16	75	<4	<1	4	01620010	A		
10	460	19	10	65	<4	<1	.7	01630010	A		
11	430	18	16	85	8	<1	3	01640010	A		
12	430	18	14	80	6	<1	2	01650010	A		
13	430	30	12	70	6	<1	3	01660010	A		
14	360	19	16	60	6	<1	<2	01670010	A		
15							CD001 01699 0280	L	U	HSMXXØ14 1953 6RAD TWTRTS T3VI V!V! L CCLXX
16								L		FBFB MASS
17								L		VEIN
18								LK		DIAMICTITE WITH ABUNDANT CLAST BANDS AND IRREGULAR MASSES ØF
19								LK		CØARSE GRAINED SILTSTØNE TØ FINE GRAINED SANDSTØNE, WITHIN THE
20								LK		MATRIX ØF VERY PØØRLY SØRTED MEDIUM GRAINED SANDY SILTSTØNE
21								LK		CLASTS INCLUDE LARGE QUARTZITES, BLACK LAMINATED SILTSTØNES
22								LK		MEDIUM GRAINED ARKØSITES AND CØARSE GRAINED GRANITIC KLASTS
23								LK		THE KLAST BANDS INCLUDE 3CM AT 168.1M; 1CM AT 168.4M; 10CM TØ
24								LK		168.4M; GRADATIØNAL TØ UNDERLYING DIAMICTITE
25								LK		167.2M–168.2M 15 CLASTS ≥5MM DIAM 168.0–169.0M 24 KLASTS ≥5MM DIAM
26								LK		169.0–169.9M 45 CLASTS ≥5MM DIAM
27	360	14	46	65	<4	<1	<4	01680010	A		
28										

0 = ZERO, Ø = ALPHA O, 1 = ONE; I = ALPHA I; 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO.

South Australian Stratiform Copper

Location

DRILLED BY
COMMENCED
COMPLETED

DRILL HOLE GEOLOGIC LOG

LOGGED BY: S.A. Brady
DATE: 6/6/84

HOLE Nº CD001
PAGE 26 OF 27

0222

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 075 °M
NORTHING ______ M
EASTING ______ M
COLLAR RL ______ M
DATUM ______

Cu	Pb	Zn	Sb	Ag	As.	Interval designation	Card type	Columns 19–80
							H	W QZFLMI ØØCA PYPR
								Comments to be punched / Comments not to be punched
360	22	18	75	<4	<1	0169 0010	A	
						CD001 0179.5 09.6	L	[illegible] 4 195B6RAD TNTBTS TBVI VIVI L ICCLXX
							L	FBFB VEIN
							L	MASS
							LK	DIAMICTITE UNIT TO END OF HOLE. GROUNDMASS OF VERY POORLY
							LK	SORTED MEDIUM GRAINED SANDY SILTSTONE WITH SUB-ANGULAR TO
							LK	ROUNDED CLASTS AND MINOR IRREGULAR MASSES OF DARK GREY COARSE
							LK	GRAINED SILTSTONE TO FINE GRAINED SANDSTONE. CLASTS INCLUDE
							LK	EG 8CM LAMINATED FINE GRAINED SILTSTONE 1CM DIAM ROUNDED AT
							LK	172.5M; SUB-ANGULAR 1CM DIAM COARSE GRAINED GRANITIC CLAST AT
							LK	172.6M; MEDIUM GRAINED SANDSTONE SUB-ROUNDED 1CM DIAM AT 176.9M
							LK	; ROUNDED 3CM DIAM QUARTZITE CLAST AT 178.3M
							LK	168.9–171.0M 0 CLASTS ≥5MM DIAM 171.0–172.0M 5 CLASTS ≥5MM DIAM
							LK	172.0–173.0M 6 CLASTS ≥5MM DIAM 173.0–174.0M 6 CLASTS ≥5MM DIAM
							LK	174.0–175.0M 5 CLASTS ≥5MM DIAM 175.0–176.0M 4 CLASTS ≥5MM DIAM
							LK	176.0–177.0M 10 CLASTS ≥5MM DIAM 177.0–178.0M 3 CLASTS ≥5MM DIAM
							LK	178.0–179.0M 8 CLASTS ≥5MM DIAM 179.0–179.5M 2 CLASTS ≥5MM DIAM
320	18	30	55	4	<1	<2	0170 0010	A	
300	10	10	55	8	<1	4	0171 0010	A	
380	20	32	75	6	<1	7	0172 0010	A	
470	22	18	80	4	<1	3	0173 0010	A	
350	18	19	80	<4	<1	3	0174 0010	A	
430	18	10	80	<4	<1	<2	0175 0010	A	
380	20	19	90	6	<1	3	0176 0010	A	
320	16	22	80	6	<1	<2	0177 0010	A	
380	18	16	50	8	<1	5	0178 0010	A	

O = ZERO, Ø = ALPHA O, I = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0223

South Australian Stratiform Copper

Location Copperlinka Mine. EL 1102

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.

COMMENCED: 17/5/84

COMPLETED: 21/5/84

LOGGED BY: S. A. Brady

DATE 6/6/84

HOLE No CD001

PAGE 27 OF 27

TYPE OF HOLE DDH ✓ PDH RDH

NORTHING ______ M

EASTING ______ M

COLLAR RL ______ M

DIP 60° AZIMUTH 075 M

DATUM ______

Assays (3 Significant Figures)

SCALES / BARS: Cu Pb Zn Sb Ag Mo.

Row	Cu	Pb	Zn	Sb	Ag	Mo.	Interval Designation (Hole Designation / Depth to bottom of Interval / Length at Interval)	Card type
								H
1								
2	390	18	16	40	8	<1	.9	0117900110	A
3	350	16	10	60	<4	<1	.62	0117950005	A
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of Interval; Length at Interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition-facies); MINERALOGY (QZ, FL, MI, RX — Mode %); ECON MIN SPECIES (CP, PY — Mode %; Summary of mineralization); PHYSICAL CHARACTER (Porosity; Cementation — Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N > 1/2; Fracturing); Core Structure Log

← Comments to be punched → ← Comments not to be punched →

0 = ZERO, Ø = ALPHA O ; 1 = ONE ; I = ALPHA I ; 2 = TWO ; Ƶ = ALPHA Z

DRILL HOLE GEOLOGIC LOG

UTAH DEVELOPMENT CO

South Australian Stratiform Copper

Location TWO MILE DAM, EL 1102 COPPERLINKA

DRILLED BY Peter Nitschke Drilling Pty Ltd
COMMENCED 26 08 84
COMPLETED 29 08 84

LOGGED BY S.T. MANN
DATE 23.09.84

0224

HOLE Nº CD005
PAGE 1 OF 20

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 345 °M

NORTHING 6143350 N M
EASTING 435210 N M
COLLAR RL . . . . N M
DATUM M.S.L.

Assay: 3 Significant Figures

Line	Hole Designation	Depth to bottom of interval	Length of interval	Card type	Comments
1				H	← Comments to be punched → / ← Comments not to be punched →
2	CD005	0042	0420	LK	FIRST 42 METRES IS PRECOLLARED
3					
4	CD005	0114	0720	LK	[illegible] 4117 GRAP ABY 85 M [illegible]
5				L	GRAD
6				L	LOAD
7				L	METR
8				LK	PALE GREY TO CREAM FINE GRAINED SANDSTONES WITH INTERBEDDED D
9				LK	DARK GREY SILTSTONE INTERVALS
10				LK	THE WHOLE SEQUENCE IS CROSSBEDDED PARTICULARLY THE SANDSTONES
11				LK	WHICH HAVE LARGER BETTER DEVELOPED CROSS BEDS THROUGHOUT
12				LK	ALTHOUGH WELL DEVELOPED LOAD CASTS DO NOT OCCUR LOADING OF SAN
13				LK	DST INTO SILTS IS COMMON
14				LK	POORLY DEVELOPED GRADED BEDS ARE COMMON FROM THE LIGHTER SAND
15				LK	TO THE DARKER SILTS
16				LK	IN SOME ZONES THERE ARE DISCRETE SANDSTONE BEDS OVERLAIN AND
17				LK	UNDERLAIN BY DISCRETE BEDS OF SILTSTONE AT OTHER TIMES THERE
18				LK	ARE THIN BEDS OR LAMINAE OF SILTS AND SANDS INTERBEDDED WITH
19				LK	EACH OTHER
20				LK	[illegible] HOLE
21	CD005	0050	0010	A	
22		60	010	A	
23		70		A	
24		80		A	
25		90		A	
26		100		A	
27		110		A	
28					

0 = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0225

South Australian Stratiform Copper

Location TWO MILE DAM E.L. 1102 COPPERUNKA

DRILLED BY Peter Nitschke Drilling Pty Ltd.

COMMENCED 26.08.84

COMPLETED 29.08.84

LOGGED BY: S.T. MANN

DATE 23.09.84.

HOLE NO CD005

PAGE 2 OF 20

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐

NORTHING 6443350 FT M

EASTING 335280 FT M

COLLAR RL _____ FT M

DIP 60° AZIMUTH 345 °M

DATUM M.S.L.

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of Interval | Length of Interval | Spare (for 16 digit system)

Card Type | Zone | Contacts

ROCK TYPE: Rock type 4 letter code | Lombard No | Grain Size | Sorting | Sphericity & Roundedness | Color (4 letter code) | Environment of Deposition/Facies

MINERALOGY: QZ | FL | MI | RX | CY | | | Summary of mineralization — Mode % / Mode %

ECON. MIN. SPECIES: CP | PY | LI — Mode % / Mode %

PHYSICAL CHARACTER: Porosity | Cementation | Mineralogy | Induration | Texture | Sedimentary Structures

ROCK MECHANICS (CORE): Core Recovery | N > 1/2 | Fracturing

Core Structure Log

SCALES:

NAMES:

Comments to be punched

Comments not to be punched

0 = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0226

South Australian Stratiform Copper

Location E L 1102 TWO MILE DAM COPPERUNKA

DRILLED BY: Peter Nitschke Drilling Pty Ltd.

COMMENCED: 26.08.84

COMPLETED: 29.08.84.

LOGGED BY: S.T. MANN

DATE: 25.09.84.

HOLE No: CDDOS

PAGE 3 OF 20

TYPE OF HOLE: DDH ✓ PDH RDH

DIP 60° AZIMUTH 345 °M

NORTHING 6143330 ft. M.

EASTING 435230 ft. M.

COLLAR RL ft. M.

DATUM M.S.L.

Assays (3 Significant Figures)

SCALES:

NAMES:

Comments to be punched

Comments not to be punched

O = ZERO, Ø = ALPHA O, I = ONE; I = ALPHA Ii; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0227

South Australian Stratiform Copper

Location E L 1102 TWO MILE DAM COPPERLINKA

DRILLED BY Peko Nitschke Drilling Pty Ltd.

COMMENCED : 26.08.84

COMPLETED : 29.08.84.

LOGGED BY S.T.MANN

DATE 23.09.84.

HOLE Nº C0005

PAGE 4 OF 20

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐

DIP 60° AZIMUTH 345°M

NORTHING 6143350 ft M

EASTING 435270 ft M

COLLAR RL ft M

DATUM M.S.L.

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of Interval | Length of Interval | Spare (for 16 digit system)

Card type | Zone | Contacts

ROCK TYPE: Rock type 4 letter code | Lombard Nº | Grain Size | Sorting | Sphericity & Roundedness | Colour (4 letter code) | Environment of Deposition/Facies

MINERALOGY: QZ | FL | MI | RX | CY | Mode % | Summary of mineralization

ECON. MIN. SPECIES: CP | PY | Mode %

PHYSICAL CHARACTER: Porosity | Cementation | Mineralogy | Induration | Texture | Sedimentary Structures

ROCK MECHANICS (CORE): Core Recovery | N > ½ | Fracturing

Core Structure Log

SCALES:

NAMES:

Comments to be punched

Comments not to be punched

0 = ZERO, Ø = ALPHA O, 1 = ONE; I = ALPHA Ii; 2 = TWO; Z = ALPHA Z

0228

DRILL HOLE GEOLOGIC LOG

UTAH DEVELOPMENT CO

South Australian Stratiform Copper

Location TWO MILE DAM E.L. 1102 COPPERLINNA

DRILLED BY Peter Nitschke Drilling Pty Ltd

COMMENCED 26.08.84

COMPLETED 29.08.84

LOGGED BY S.T. MANN

DATE 23.09.84

HOLE Nº C 0005

PAGE 5 OF 20

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐

DIP 60° AZIMUTH 345 °M

NORTHING 443350 FN M

EASTING 435270 FE M

COLLAR RL ____ FR M

DATUM MSL

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of Interval | Length at Interval | Spare (for 16 digit system)

Card Type | Zone | Contacts

ROCK TYPE: Rock type 4 letter code | Lombard Nº | Grain Size | Sorting | Sphericity & Roundedness | Color (4 letter code) | Environment of Deposition-facies

MINERALOGY: QZ | FL | MI | RX | CY | Summary of mineralisation — Mode % / Mode %

ECON. MIN. SPECIES: CP | PY | LI — Mode % / Mode %

PHYSICAL CHARACTER: Porosity | Cementation: Mineralogy, Type | Induration | Texture | Sedimentary Structures

ROCK MECHANICS (CORE): Core Recovery | N > 1/2 | Fracturing

Core Structure Log

SCALES

NAMES

Comments to be punched

Comments not to be punched

0 = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA Ii, 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0229

South Australian Stratiform Copper

Location EL 1102 TWO MILE DAM COPPERLINEA

DRILLED BY Peter Nitschke Drilling Pty Ltd.

COMMENCED 26.08.84

COMPLETED 29.08.84

LOGGED BY S.T. MANN

DATE 23.09.84

HOLE Nº CD005

PAGE 6 OF 20

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐

NORTHING 6443350 R M

EASTING 435270 R M

COLLAR RL ——— R M

DIP 60° AZIMUTH 345 °M

DATUM M.S.L.

Assays (3 Significant Figures)

INTERVAL DESIGNATION				Card type	Zone	Contacts	ROCK TYPE						MINERALOGY								ECON. MIN SPECIES				PHYSICAL CHARACTER						ROCK MECHANICS (CORE)			Core Structure Log
Hole Designation	Depth to bottom of interval	Length of interval	Spare (for 16 digit system)				Rock type 4 letter code	Lombard Nº	Grain Size	Sorting	Sphericity & Roundedness	Color (4 letter code)	Environment of Deposition Facies	OZ	FL	MI	RX	CY			CP	PY	LI	Summary of mineralization	Porosity	Cementation / Mineralogy	Induration	Texture	Sedimentary Structures	Core Recovery	N > ½	Fracturing	
														Mode %	Mode %	Mode %	Mode %	Mode %	Mode %	Mode %	Mode %	Mode %	Mode %	Mode %									

SCALES

NAMES

Comments to be punched

Comments not to be punched

0 = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA Ii; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0230

South Australian Stratiform Copper

Location E.L 1102 COPPERCLINKA TWO MILE DAM

DRILLED BY Peko Nitschke Drilling Pty Ltd.

COMMENCED 26 08 84

COMPLETED 29 08 84

LOGGED BY S.T. MANN

DATE 23.09.84

HOLE No C D005

PAGE 7 OF 20

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐

DIP 60° AZIMUTH 345 °M

NORTHING 6443350 A M

EASTING 435270 A M

COLLAR RL ------ N M

DATUM M.S.L.

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of interval | Length of Interval | Spare (for 16 digit system)

Card Type | Zone | Contacts

ROCK TYPE: Rock type 4 letter code | Lombard No | Grain Size | Sorting | Sphericity & Roundedness | Colour (4 letter code) | Environment of Deposition (ancient)

MINERALOGY: QZ | FL | MI | RX | CY | | | (Mode % for each)

ECON. MIN. SPECIES: CP | PY | LZ | | Summary of mineralization (Mode %)

PHYSICAL CHARACTER: Porosity | Cementation | Mineralogy | Induration | Texture | Sedimentary Structures

ROCK MECHANICS (CORE): Core Recovery | N > ½ | Fracturing

Core Structure Log

SCALES

NAMES

Comments to be punched

Comments not to be punched

0 = ZERO, Ø = ALPHA O, 1 = ONE; I = ALPHA I; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0231

South Australian Stratiform Copper

Location TWO MILE DAM
E.L. 1102 COPPERLINKA

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 26.08.84
COMPLETED 29.08.84.

LOGGED BY S.T. MANN
DATE 23.09.84.

HOLE No CD005
PAGE 8 OF 20

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 345 °M
NORTHING 6143350 ft M
EASTING 435270 ft M
COLLAR RL ________ ft M
DATUM M.S.L.

Assays (3 Significant Figures)

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of Interval; Length at Interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition Facies); MINERALOGY (QZ, FL, MI, RX, CY — Mode %); ECON. MIN. SPECIES (CP, PY, LI — Mode %; Summary of mineralization); PHYSICAL CHARACTER (Porosity; Cementation; Mineralogy; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N > ½; Fracturing); Core Structure Log

SCALES / NAMES: H

Comments to be punched — Comments not to be punched

Line	Interval designation	Card	Entry	Comments not punched
1				
2	CD005 0285 0050	4	HMSXX0S415 GRA BY BS	LSI 2BGRAD
3		4		PLAM
4		4K	LIGHT GREY FINE GRAINED SANDSTONE WITH INTERBEDS OF DARKER GR	
5		4K	EY MEDIUM TO COARSE SILTSTONES	
6		4K	GRADED BEDDING OFTEN OCCURS THROUGHOUT	
7		4K	SOME OF THE SILTSTONES TEND TO BE PLANAR LAMINATED	
8		4K	NO CROSSBEDDING PRESENT	
9		AC	SULPHIDES ABSENT IN INTERVAL	
10				
11	CD005 0303 0180	4	MDSXX0SX23 GRAP BZ BZ F! FB	NSI 2ZXSTT
12		4K	MASSIVE PALE FINE GRAINED SANDSTONE WHICH IS GENERALLY CROSS-	
13		4K	BEDDED	
14	0292 003	4K	A SILTY INTERVAL BUT STILL SAND DOMINATED CONTAINING CROSSBED	
15	0300 0011	4K	SIMILAR TO INTERVAL 0292 003	
16		AC	RARE VERY FINE PYRITE OCCURS	
17		AC	WITH LIMONITE HALOES	
18	CD005 0290 0010 D	A		
19	300	A		
20				
21	CD005 0390 0870 D	4	IASXX0S415 GRA BY BS FAF!	LSI 2BXSTT
22		4	VB JD	RIST
23		4		LOAD
24		4		FLMS
25		4		GRAD
26		4K	HEMATITIC INTERVAL CONTAINING UP TO 40 PERCENT SILTSTONE	
27		4K	A NUMBER OF STRUCTURES OCCUR THROUGHOUT INTERVAL BUT CROSSBED	
28				

O = ZERO, Ø = ALPHA O, I = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper 0232

Location: TWO MILE DAM, EL 1102 COPPERLINKA

DRILLED BY: Peter Nitschke Drilling Pty Ltd.
COMMENCED: 26 08 84
COMPLETED: 29 08 84.

LOGGED BY: S.T. MANN
DATE: 23.09.84.

HOLE No: CD005
PAGE 9 OF 20

TYPE OF HOLE: ODH ✓ PDH RDH
NORTHING 6143350 M.
EASTING 435270 M.
COLLAR RL ________ M.
DIP 60° AZIMUTH 345°M
DATUM M.S.L.

Assays (3 Significant Figures)

Line	Hole Designation	Depth to bottom of Interval	Length at Interval	Card type	Entry
1				H	Comments to be punched / Comments not to be punched
3				LK	DIAGONAL AND MOST COMMON
4				LK	OTHER STRUCTURES OCCUR OVER DISCRETE INTERVALS THROUGHOUT BUT
5				LK	ARE GENERALLY NOT WELL DEVELOPED
6		0378	021	LK	A VERTICAL VERY FINE QTZ-DOLOMITE JOINT RUNS DOWN THE CENTRE
7				LK	OF THE VEIN
8				LK	THROUGHOUT THERE ARE A NUMBER OF DISCRETE GREEN CROSSBEDDED
9				LK	CLEAN FINE GRAINED SANDSTONES TO 20 CENTIMETRES THICK
10				AC	PYRITE FORMS WITH LIMONITE HALO
11	CD005	0310	010	A	
12		320		A	
13		330		A	
14		340		A	
15		350		A	
16		360		A	
17		370		A	
18		380		A	
19		390		A	
21	CD005	0393	003D	L	HOSXAOGX23 GRAPHBZ … NSI ZZXSTT
22				LK	NARROW MASSIVE HOMOGENOUS FINE GRAINED CROSSBEDDED SANDSTONE
23				LK	NO OTHER SEDIMENTARY STRUCTURES
24				AC	NO SULPHIDES
26	CD005	0442	049D	L	HOSXAOS415 GRAY BY … B3 … F! … LSI ZZXSTT
27				L	V! … LOAD
28				L	PLAM

O = ZERO, Ø = ALPHA O; I = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0233

South Australian Stratiform Copper

Location TWO MILE DAM, EL 1102 COPPERLINKA

DRILLED BY: Peter Nitschke Drilling Pty Ltd.
COMMENCED: 26.08.84
COMPLETED: 29.08.84.

LOGGED BY: S.T. MANN
DATE: 23.09.84.

HOLE Nº CD005
PAGE 10 OF 20

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 345°M

NORTHING 6143350 ft M
EASTING 435270 ft M
COLLAR RL ________ ft M
DATUM M.S.L.

Assays (3 Significant Figures)

INTERVAL DESIGNATION: Hole Designation | Depth to bottom of Interval | Length of Interval | Spare (for 16 digit system) | Card type | Zone | Contacts | ROCK TYPE: Rock type (4 letter code), Lombard Nº, Grain Size, Sorting, Sphericity & Roundedness, Color (4 letter code), Environment of Deposition/Facies | MINERALOGY: QZ, FL, MI, RX (Mode, %) | ECON MIN. SPECIES: CP, PY, LI (Mode, %) | Summary of mineralization | PHYSICAL CHARACTER: Porosity, Mineralogy, Cementation, Induration, Texture, Sedimentary Structures | ROCK MECHANICS (CORE): Core Recovery, N > 1/2, Fracturing | Core Structure Log

SCALES:
NAMES:

Row	Interval designation (cols 1–16)	Card type	Entry (Comments to be punched / Comments not to be punched)
1		H	
2			
3		L	GRAD
4		LK	GENERALLY CLEAN VERY PALE SANDSTONE AS ABOVE BUT RARELY CONTA
5		LK	INING FINE DARK GREY SILTSTONE LAMINAE
6		LK	THE SILTSTONE COMPRISES APPROXIMATELY 10 PERCENT OF INTERVAL
7		LK	THE CLEAN PALE GREY SANDS ARE CROSSBEDDED
8		LK	LOADING OF SANDSTONES INTO THE SILTS RARELY OCCURS
9		LK	THE CLEAN SANDS OFTEN GRAD UPWARDS INTO THE DARKER OFTEN PL
10		LK	ANAR LAMINATED SILTSTONES
11		AC	RARE VERY FINE PYRITE OCCURS
12	CD005 0400 0100	A	
13	410	A	
14	420	A	
15	430	A	
16	440	A	
17			
18	CD005 0462 0100	L	HSSXX05X23 GRAP 87 … FBFD … NSL 27XSTT
19		L	GRAD
20		L	MASS
21		LK	CLEAN HOMOGENEOUS SANDSTONE FINING UPWARDS FROM A THIN INTERV
22		LK	OF MEDIUM GRAINED SANDSTONE OF SANDSTONE AT THE BASE TO FINE
23		LK	GRAINED SANDSTONE FOR MOST OF THE INTERVAL
24		LK	THE SANDSTONE IS MASSIVELY BEDDED BUT DOES CONTAIN CROSSBEDS
25		LK	PARTICULARLY HIGHER IN THE SEQUENCE
26		AC	FINE PYRITE OCCURS WITH LIMONITE
27		AC	HMASS
28	CD005 0450 0100	A	

O = ZERO ; Ø = ALPHA O , I = ONE ; I = ALPHA I ; 2 = TWO ; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0234

South Australian Stratiform Copper

Location: TWO MILE DAM, E.L. 1102 COPPERLINKA

DRILLED BY: Peto Nitschke Drilling Pty Ltd.

COMMENCED: 26.08.84

COMPLETED: 29.08.84

LOGGED BY: S.T. MANN

DATE: 23.09.84

HOLE No: CD005

PAGE 19 OF 20

TYPE OF HOLE: DDH ✓ / PDH / RDH

DIP 60° AZIMUTH 345 °M

NORTHING 6143350 ft. M

EASTING 435270 ft. M

COLLAR RL ______ ft. M

DATUM M.S.L.

Assays (3 Significant Figures)

SCALES:

NAMES:

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of interval; Length of interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No.; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition/facies); MINERALOGY (QZ, FL, MI, RX, CY – Mode %); ECON. MIN. SPECIES (CP, PY – Mode %); Summary of mineralization; PHYSICAL CHARACTER (Porosity; Cementation – Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N > ½; Fracturing); Core Structure Log

Comments to be punched → | Comments not to be punched →

Line	Interval designation	Card / entry	Comments not to be punched
1		H	
2			
3	CD005 0505 0530	4 I 4115 GRA BY BS FB	LST 2BPLAM
4		4	XSTT
5		4	GRAD
6		4	LOAD
7		4K SILTSTONES TO FINE GRAINED SANDSTONES THROUGHOUT	
8		4K THE PROPORTIONS OF PALER GREY SANDSTONES ARE GENERALLY CR	
9		4K OSSBEDDED BUT ALSO FORM LOAD STRUCTURES INTO THE FINER MICACE	
10		4K OUS GREY FINE SAND AND SILTS	
11		4K THE SILTSTONES ARE GENERALLY GRADED FROM FINE SANDSTONES BELO	
12		4K W AND ARE SOMETIMES PARALLEL LAMINATED	
13		4K GRADED BEDS INDICATE YOUNGING UP HOLE AS DO CROSSBEDS	
14		4K THERE ARE SEVERAL INTERVALS OF MASSIVE CLEAN ORTHOQUARTZITES	
15		4K WHICH ARE DOMINATED BY CROSSBEDS AND RARELY CONTAIN UP TO 10%	
16		4K SILTSTONES	
17		4K THE INTERVALS INCLUDE 467.0 AND 500.3	
18	CD005 0460 0110	A	
19	470	A	
20	480	A	
21	490	A	
22	500	A	
23			
24	CD005 0689 0840	4 I X23 GRAP B	NST 2BPLAM
25		4	XSTT
26		4	RIST
27		4	GRAD
28		4	LOAD

O = ZERO ; Ø = ALPHA O ; I = ONE ; I = ALPHA I ; 2 = TWO ; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0235

South Australian Stratiform Copper

Location E.L. 1102 COPPERLINKA, TWO MILE DAM

DRILLED BY Peter Nitschke Drilling Pty Ltd.
COMMENCED 26.08.84
COMPLETED 29.08.84

LOGGED BY S.T. MANN
DATE 23.09.84

HOLE No. CD005
PAGE 12 OF 20

TYPE OF HOLE: DDH ✓ / PDH / RDH
NORTHING 5143350 M
EASTING 435270 M
COLLAR RL ________ M
DIP 60° AZIMUTH 345 °M
DATUM M.S.L.

Assays (3 Significant Figures)

SCALES:
NAMES:

Hole Designation / Depth to bottom of interval / Length of interval	Card type	Entry
	H	
		Comments to be punched — Comments not to be punched
CD005		
	LK	INTERVAL MAINLY CONSISTS OF PURE CLEAN SANDSTONES OR QUARTZIT
	LK	ES [illegible] CONTAIN SOME INTERVALS WHERE THE SILTS MAKE UP TO
	LK	10 PERCENT OF THE TOTAL INTERVAL
	LK	IN [illegible] THESE SLIGHTLY SILTY INTERVALS OCCUR AT 513.003M
	LK	52[illegible]; 54[illegible]; 559.03M; AND 570.05 METRES
	LK	THE GENERAL ROCK TYPE OF THIS INTERVAL IS A FINE TO VERY FINE
	LK	GRAINED SANDSTONE
	LK	OCCASIONALLY STARVED RIPPLES HAVE BEEN FORMED WHERE SILTSTONE
	LK	HAS BEEN INTRODUCED INTO THE SAND DOMINATED ENVIRONMENT
CD005 05110 01.00	A	
5210	A	
5310	A	
5410	A	
5510	A	
5610	A	
5710	A	
5810	A	
CD005 0601 01.20	L	[illegible] 4115 GRA [illegible] V. 65 FA SI 2BRIST
	L	4 0AD
	L	XSTT
	L	XSFE
	L	?LAM
	LK	SAND DOMINATED INTERVAL WITH SILT COMPRISING UP TO 20 OR 25%
	LK	OF THE ENTIRE INTERVAL
0600	LK	FI[illegible] CROSSCUTTING DOLOMITE VEIN

0 = ZERO; Ø = ALPHA O; I = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

0236

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper

Location TWO MILE DAM
E.L. 1102 COPPERLINKA

DRILLED BY Peter Nitschke Drilling Pty. Ltd.
COMMENCED 26.08.84
COMPLETED 29.08.84

LOGGED BY S.T. MANN
DATE 23.09.84.

HOLE Nº CD005
PAGE 13 OF 20

TYPE OF HOLE DDH ✓ PDH RDH
DIP 60° AZIMUTH 345 °M

NORTHING 6143350 ft M
EASTING 435270 ft M
COLLAR RL ________ ft M
DATUM M.S.L.

Assays (3 Significant Figures)

SCALES:
NAMES:

Row	Hole Designation / Depth to bottom of interval / Length of interval	Card type	Entry
		H	Comments to be punched / Comments not to be punched
1			
2			
3		AC	FI[illegible]ITE OCCURS THROUGHOUT
4		AC	PY[illegible] ONLY OCCURS IN THE DARK
5		AC	FI[illegible] GRAINED SILTY INTERVALS
6	CD005 0590 0100	A	
7	600	A	
8			
9	CD005 0613 0620	L	2 I[illegible] 95X23 GRA [illegible] BY B3 FM NSI 2BXSTT
10		L	GRAD
11		L	RIST
12		L	LOAD
13		LK	FINE [illegible] VERY FINE PALE GREY SANDSTONE THROUGHOUT WITH UP TO
14		LK	10% SILTSTONE THROUGHOUT
15		LK	VERY GRADATIONAL BOUNDARIES WITH THE INTERVALS ABOVE AND BELOW
16		LK	M
17		LK	SOME INTERVALS ARE VERY CLEAN AND QUARTZITIC AND DO NOT HAVE
18		LK	ANY SILTSTONE PRESENT AT ALL EG 606/05; [illegible]3/06; 663/03
19		AC	PYRITE IS FINELY DISSEMINATED
20		AC	THROUGHOUT ALL OF THE COARSER
21		AC	SILTSTONE INTERVALS BUT IS NOT
22	CD005 0610 0010	A	
23	620	A	
24	630	A	
25	640	A	
26	650	A	
27	660	A	
28			

Note: row 21 continues "AC [illegible] IN THE CLEANER SANDS" on the following line (between rows 21 and 22).

O = ZERO ; Ø = ALPHA O ; 1 = ONE ; I = ALPHA I ; 2 = TWO ; Ƶ = ALPHA Z.

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0237

South Australian Stratiform Copper

Location: TWO MILE DAM, E.L. 1102 COPPERLINKA

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.

COMMENCED: 26.08.84

COMPLETED: 29.08.84

LOGGED BY: S.T. MANN

DATE: 23.09.84.

HOLE No: CD005

PAGE 14 OF 20

TYPE OF HOLE: DDH ☑ PDH ☐ RDH ☐

DIP 60° AZIMUTH 345 °M

NORTHING 6443350 ft M

EASTING 435270 ft M

COLLAR RL ______ ft M

DATUM M.S.L.

Assays (3 Significant Figures)

SCALES:

NAMES:

Line	Hole Designation	Depth to bottom of interval	Length of interval	Card type	Comments / Rock type / Mineralogy	Physical character
				H		
1						
2				LK	SCOUR WITH MEDIUM GRAINED SST INFILL AT [illegible] METRES	
3	CD005	1115.6	40.30	L	[illegible]4115 GRA [illegible]BY VIBS FD	PLAM
4				L	VB	GRAD
5				L		SLUM
6				L		RIST
7				L		SLUM
8				L	1	XSTT
9				LK	INTERVAL IS CHARACTERIZED BY A NUMBER OF GRADING UPWARD SEQUE	
10				LK	NCES FROM FINE GRAINED ORTHOQUARTZITES AT THE BASE TO FINER	
11				LK	SILT DOMINATED MICACEOUS BEARING SILTSTONES	
12				LK	THESE GRADING UPWARD CYCLES ARE TWO TO SIX CENTIMETRES THICK	
13		997.5	0.30	LK	NEAR VERTICAL QUARTZ VEIN FROM 997.5M	
14				LK	THIS INTERVAL CONTAINS CONSIDERABLE AMOUNTS OF DOLOMITE IN TH	
15				LK	E MATRIX	
16				LK	GENERALLY THE LIGHTER SANDIER INTERVALS ARE WELL CROSS BEDDED	
17				LK	THERE ARE SEVERAL LESS SILTY INTERVALS [illegible]4M AND 868.04M	
18		750	0.01	LK	WELL DEVELOPED SCOUR CHANNEL	
19		723	0.01	LK	POORLY DEVELOPED GRADING OCCURS THROUGHOUT BUT IT IS BETTER	
20				LK	DEVELOPED AT THIS HORIZON	
21				LK	WHERE THERE ARE ONLY OCCASIONAL SILTY INTERVALS THE SILTS ARE	
22				LK	GENERALLY PLANAR LAMINATED	
23				LK	VERY MINOR SOFT SEDIMENT SLUMPING OCCURS AT A NUMBER OF HORIZ	
24		1065.3		LK	WELL DEVELOPED MICROFAULT WITH A DISTINCT MOVEMENT ALONG IT	
25		1089.8	0.28	LK	DOLOMITE VEIN TO SEVERAL MILLIMETRES THICK INTERSECTING CORE	
26				LK	AT [illegible] 30 DEGREES	
27				AC	PYRITE FINELY DISSEMINATED THRO	
28				AC	[illegible] OFTEN IN CUBIC CRYSTALS	

O = ZERO ; Ø = ALPHA O ; I = ONE ; I = ALPHA Ii ; 2 = TWO ; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0238

South Australian Stratiform Copper

Location TWO MILE DAM
E.L. 1102 COPPERLINKA

DRILLED BY Peter Nitschke Drilling Pty Ltd.
COMMENCED 26.08.84
COMPLETED 29.09.84.

LOGGED BY S.T. MANN
DATE 23.09.84.

HOLE No CD005
PAGE 16 OF 20

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐
DIP 60° AZIMUTH 345 °M

NORTHING 6143350 mN
EASTING 435270 mE
COLLAR RL ____ mRL
DATUM M.S.L.

Assays ±3 Significant Figures

Hole Designation	Depth to bottom of interval	Length of Interval	Spare (for 16 digit system)	Card type	Zone	Contacts	Rock type 4 letter code	Lombard No	Grain Size	Sorting	Sphericity & Roundedness	Color (4 letter code)	Environment of Deposition facies	Mineralogy: Qz Mode %	Fl Mode %	Mi Mode %	Rx Mode %	Econ Min Species: Cp Mode %	Py Mode %	Summary of mineralization	Physical Character: Cementation Porosity	Mineralogy	Induration	Texture	Sedimentary Structures	Rock Mechanics (Core): Core Recovery	N > 1/2	Fracturing	Core Structure Log
				H			Comments to be punched													Comments not to be punched								
CD005	667.0	0.1	0.0	A																								
	668.0			A																								
	669.0			A																								
	670.0			A																								
	671.0			A																								
	672.0			A																								
	673.0			A																								
	674.0			A																								
	675.0			A																								
	676.0			A																								
	677.0			A																								
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	691.0			A																								
	692.0			A																								

SCALES
NAMES

O = ZERO, Ø = ALPHA O, I = ONE; I = ALPHA Ii; 2 = TWO; Z = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper

Location: TWO MILE DAM, E.L. 1102 COPPERLINKA

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 26.08.84
COMPLETED: 29.08.84.

LOGGED BY: S.T. MANN
DATE: 24.08.84

HOLE No: CD005
PAGE 16 OF 20

TYPE OF HOLE: DDH ✓ / PDH / RDH
NORTHING 6143350 ft M
EASTING 435270 ft M
COLLAR RL ft M
DATUM M.S.L.
DIP 60° AZIMUTH 345 °M

Assays (3 Significant Figures)

SCALES:
NAMES:

Line	Hole Designation	Depth to bottom of Interval	Length of Interval	Card type	Rock type / Comments
1				H	
2	CD005	093.0	01.00	A	
3		94.0		A	
4		95.0		A	
5		96.0		A	
6		97.0		A	
7		98.0		A	
8		99.0		A	
9		100.0		A	
10		101.0		A	
11		102.0		A	
12		103.0		A	
13		104.0		A	
14		105.0		A	
15		106.0		A	
16		107.0		A	
17		108.0		A	
18		109.0		A	
19		110.0		A	
20		111.0		A	
21		112.0		A	
22		113.0		A	
23		114.0		A	
24	CD005	115.0	01.00	A	
25					
26	CD005	1212	05.60	L	Ø IS... XZ3B GRAL BY VI FL LSE 2&PLAN
27				L	VM VJ LOAD
28					

Comments to be punched — Comments not to be punched

O = ZERO, Ø = ALPHA O ; I = ONE ; I = ALPHA I ; 2 = TWO ; Z = ALPHA Z

UTAH DEVELOPMENT CO. 0240

DRILL HOLE GEOLOGIC LOG

South Australian Stratiform Copper

Location TWO MILE DAM, E.L. 1102 COPPERLINKA

DRILLED BY Peter Nitschke Drilling Pty Ltd.
COMMENCED 26.08.84
COMPLETED 29.08.84

LOGGED BY S.T. MANN
DATE 24.09.84

HOLE No CD005
PAGE 13 OF 20

TYPE OF HOLE: DDH ☑ PDH ☐ RDH ☐
DIP 60° AZIMUTH 345 °M.

NORTHING 6143350 N M
EASTING 435270 E M
COLLAR RL ________ M
DATUM M.S.L.

Assays (3 Significant Figures)

SCALES:
NAMES:

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of interval; Length of interval; Spare (for 16 digit system)); Card type; Zone; Contacts; ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Color (4 letter code); Environment of Deposition facies); MINERALOGY (QZ, FL, MI, RX, DO, CY — Mode %); ECON MIN SPECIES (CP, PY — Mode %; Summary of mineralization); PHYSICAL CHARACTER (Porosity; Cementation — Mineralogy, %; Induration; Texture; Sedimentary Structures); ROCK MECHANICS (CORE) (Core Recovery; N > 1/2; Fracturing); Core Structure Log

Comments to be punched ... Comments not to be punched

Line	Hole Designation	Depth to bottom of interval	Length of interval	Card type	Entry
				H	
1					
2					
3				H	FLMS
4				H	XSTT
5				LK	GENERALLY A FINE GRAINED TO VERY FINE GRAINED QUARTZITE WITH
6				LK	VERY LITTLE SILTSTONE AT ALL
7		1212	0.27	LK	THE BASAL SECTION OF THE INTERVAL CONTAINS A NUMBER OF FINE
8				LK	RANDOMLY ORIENTATED QUARTZ-DOLOMITE VEINS
9				LK	MANY OF THESE VEINS HAVE A DEFINITE DISPLACEMENT
10		1209	0.07	LK	BEDDING VERY DISRUPTED DUE TO THE INTRODUCTION OF THE FINE
11				LK	QUARTZ VEINS
12				LK	FLAME STRUCTURES OCCUR AT 118.30 METRES
13		1242	0.03	LK	THE BASAL 30 CENTIMETRES OF THE INTERVAL CONSISTS OF A FAULT
14				LK	BRECCIA AND CONTAINS AN ABRUPT BASE AT 12[illegible]M
15				LK	THE BLOCKS OF COUNTRYROCK HAVE BEEN REORIENTATED BY THE FAULT
16				LK	ING AND INTRODUCTION OF VEINS AND NOW HAVE LITTLE PREFERRED
17				LK	ORIENTATION
18				AC	[illegible] HAS FORMED IN OPEN DISKS ;
19				AC	RECENT CASTS WITHIN THE COUNTRYRO
20				AC	CK OR ALONG JOINTS OR VEINS
21	CD005	1160	0.100	A	
22		1170		A	
23		1180		A	
24		1190		A	
25		1200		A	
26		1210		A	
27					
28	CD005	11612	2450	L	[illegible] 415 GRAN BY VBBS JB LSI 2BGRAD

O = ZERO ; Ø = ALPHA O ; I = ONE ; I = ALPHA I ; 2 = TWO ; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0241

South Australian Stratiform Copper

Location TWO MILE DAM E.L. 1102 COPPERLINKA

DRILLED BY Peter Nitschke Drilling Pty Ltd.

COMMENCED 26.08.84

COMPLETED 29.08.84

LOGGED BY S.T. MANN

DATE 24.09.84.

HOLE No CD005

PAGE 18 OF 20

TYPE OF HOLE: DDH ✓ PDH RDH

NORTHING 6143350 N M

EASTING 435270 N M

COLLAR RL N M

DATUM M.S.L.

DIP 60° AZIMUTH 345 °M

Assay / Significant Figures

Column headings: INTERVAL DESIGNATION (Hole Designation; Depth to bottom of interval; Length of interval; Spare for 16 digit system) · Card type · Zone · Contacts · ROCK TYPE (Rock type 4 letter code; Lombard No; Grain Size; Sorting; Sphericity & Roundedness; Colour 4 letter code; Environment of Deposition facies) · MINERALOGY (QZ, FI, MI, RX; Mode %) · ECON MIN SPECIES (CP, PY; Mode %) · Summary of mineralization · PHYSICAL CHARACTER (Porosity; Cementation: Mineralogy, %; Induration; Texture; Sedimentary Structure) · ROCK MECHANICS CORE (Core Recovery; %; Fracturing) · Core Structure Log

SCALES / NAMES

H

Comments to be punched ——— Comments not to be punched

Interval designation	Card type / comments
	L VG FD LOAD
	LK VERY FINE GRAINED SANDSTONE GRADING TO A COARSE SILTSTONE
	LK BEDS ARE GENERALLY GRADED PARTICULARLY TO THE TOP OF THE INTE
	LK RVAL
	LK THE GRADED BEDS ARE IN THE ORDER OF 2 TO 4 CM THICK
	LK OFTEN THE TOP OF EACH FINER INTERNAL IS WAVY BEDDED BUT THIS
	LK IS NOT ALWAYS THE CASE
	LK POORLY DEVELOPED LOADING OF SANDS INTO THE SILTSTONES HAS OCC
	LK URRED
	LK THE BEDS ARE OCCASIONALLY FLATLY BEDDED
	LK SMALL SCALE FAULTS ALONG WHICH DISPLACEMENT HAS OCCURRED ARE
	LK PRESENT THROUGHOUT
	LK THERE IS SOME DOLOMITE INFILLING ALONG JOINTS
	LK POORLY DEVELOPED FLAME STRUCTURE & PARTICULARLY AT 1443 METRES
	AC PYRITE OCCURS ALONG JOINTS AND
	AC DISSEMINATED THROUGHOUT
	AC DISSEMINATED PYRITE OCCURS IN
	AC THE DARKER FINER GRAINED MATERI
	AC AL AT THE TOP OF GRADED BEDS
CD005 1229 C1 CD	A
1230	A
12H9	A
1250	A
1260	A
1270	A
1280	A

O = ZERO, Ø = ALPHA O, 1 = ONE, I = ALPHA I, 2 = TWO, Z = ALPHA Z

UTAH DEVELOPMENT CO

DRILL HOLE GEOLOGIC LOG

0242

South Australian Stratiform Copper

Location: TWO MILE DAM, E.L. 1102 COPPERLINKA

DRILLED BY: Peter Nitschke Drilling Pty. Ltd.
COMMENCED: 26.08.84
COMPLETED: 29.08.84

LOGGED BY: S.T. MANN
DATE: 24.09.84

HOLE No: CD005
PAGE 19 OF 20

TYPE OF HOLE: DDH ✓ / PDH / RDH
DIP 60° AZIMUTH 345 °M
NORTHING 6143350 M
EASTING 435270 M
COLLAR RL ____ M
DATUM M.S.L.
Assays 3 Significant Figures

Row	Hole Designation	Depth to bottom of interval	Length of interval	Card type	Zone	Rock type / Comments
				H		
1						
2	CD005	129.0	010D	A		
3		1390		A		
4		131.0		A		
5		132.0		A		
6		133.0		A		
7		134.0		A		
8		135.0		A		
9		136.0		A		
10		137.0		A		
11		138.0		A		
12		139.0		A		
13		140.0		A		
14		141.0		A		
15		142.0		A		
16		143.0		A		
17		144.0		A		
18		145.0		A		
19		146.0		A		
20						
21	CD005	159.2	13.00	L	P	[illegible] 4 GRAD N8 VDBS VB LCBD2BWAVY
22				L		8Y FB SI2 GRAD
23				LK		DARK GREY FINELY LAMINATED COARSE GRAINED SILTSTONE
24				LR		WAVY BEDDED THROUGHOUT
25				4R		NO LAMINAE/BEDDING VISIBLE
26				NC		?MALACHITE [illegible] IN VEINS AND FINELY
27				AC		DISSEMINATED THROUGHOUT
28						

Comments to be punched / Comments not to be punched

O = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA I; 2 = TWO; Ƶ = ALPHA Z

UTAH DEVELOPMENT CO.

DRILL HOLE GEOLOGIC LOG

0243

South Australian Stratiform Copper

Location TWO MILE DAM E.L. 1102 COPPERLINKA

DRILLED BY Peter Nitschke Drilling Pty Ltd

COMMENCED 26.08.84

COMPLETED 29.08.84

LOGGED BY S.T. MANN

DATE 24.09.84.

HOLE No CDOOS

PAGE 19 OF 20

TYPE OF HOLE DDH ☑ PDH ☐ RDH ☐

DIP 60° AZIMUTH 345 °M.

NORTHING 6183350 N M

EASTING 435270 A M

COLLAR RL ____ A M

DATUM MSL

Assays (3 Significant Figures)

SCALES:

NAMES:

Hole Designation	Depth to bottom of Interval	Length of Interval	Spare (for 16 digit system)	Card type	Zone	Contacts	Rock type 4 letter code	Lombard No	Grain Size	Sorting	Sphericity & Roundedness	Colour (4 letter code)	Environment of Deposition facies	Mineralogy: OZ	FI	MI	RX	Econ Min Species: CP	PY	Summary of mineralization	Physical Character: Porosity	Cementation: Mineralogy	Cementation: Index	Induration	Texture	Sedimentary Structures	Rock Mechanics (Core): Core Recovery	N > 1/ft	Fracturing	Core Structure Log
				H																									
							Comments to be punched							Comments not to be punched																
				AC			PYRITE DISSEMINATED																							
				AC			DIAGENETIC ANHEDRAL GRANULAR MATERIAL																							
CDOOS	1147	0.1	0	A																									
	1148	1.0		A																									
	1149	1.0		A																									
	1150	1.0		A																									
	1151	1.0		A																									
	1152	1.0		A																									
	1153	1.0		A																									
	1154	1.0		A																									
	1155	1.0		A																									
	1156	1.0		A																									
	1157	1.0		A																									
	1158	1.0		A																									
	1159	0.1	0	A																									
CDOOS	1158	0.1	2	A																									

0 = ZERO, Ø = ALPHA O; 1 = ONE; I = ALPHA Ii; 2 = TWO; Z = ALPHA Z

APPENDIX 5

PROJECT:- GOLD - E L 1102
LOCATION:- COPPERLINKA MINE
HOLE CO-ORDINATES:- CP6413050N/4294SOE
COLLAR ELEVATION:- N A
BEARING:- 075° M
INCLINATION:- 060°
LOGGED BY:- M.A.Dugmore

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0245

HOLE NO CD001
REPORT NO
Pg. 1 of 14

STRUCTURAL LOG — DIAMOND DRILL HOLE

DEPTH			Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES			Estimated core recovery	Rock strength
From	To	Datum							N	L	L/72 x 100		
000.0	002.25		Precollar										
2.25	4.00	3.00	3.00				80°/000		7	10		98%	
									Discordant Qtz. vein 0.004m thick.				
			2.50		60°/000		60°/000		Dolomitic ? vein along joint 0.004m thick				
			3.55		28°/000				Lithology: fine-medium grained, feldspathic white-grey quartzite, slightly micaceous c̄ sparse Limonite after Py cubes up to 3mm².				
4.00	6.00	5.00							18	>50		99%	
			5.00		70°/000				Joint is coated c̄ very sticky brown clay.				
			4.10		62°/000								
			4.75		50°/000								
			5.50		15°/000								
			5.50				50°/000		Qtz. vein ~0.004 m thick				
			5.80				55°/000		Qtz vein c̄ slight Fe staining				
			[illegible]		42°/000				0.001 m thick. Lithology: fine-medium grained, grey white, feldspathic quartzite c̄ sparse Lim. after Py cubes.				
6.00	8.00	7.00							19	> 50		7.?	
			7.00		18°/000								
			7.00		60°/000								
			6.80		22°/000				Possibly joint along bedding. There are many thin Fe stained veinlets parallel to this. Lithology: fine-med. grained grey white feldspathic qtzite c̄ concentration of Lim. after Py cubes up to 4mm².				
			7.20						Lithology: very weathered, grey mud/claystone				

STRUCTURAL LOG — DIAMOND DRILL HOLE.

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0246

HOLE NO. CD001
Sheet No. 2 of 14

Logged: M.A. Dugmore

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
8.00	10.00	9.00							15	>25		75	
			8.20						Geol. boundary between very weathered, grey clay/mudstone above and weathered silty, fine-medium grained qtzite below.				
			8.90		47°/000								
			9.40		23°/000								
			9.30	35°/000					V. thin bed - 0.002 m of Sand in clay/mud stone				
									Lithology: Grey brown clay/mud stone ± irregular, wavy bands of fine sand.				
10.00	12.00	11.00	10.90	50°/000	50°/000				12	>20		99	
			11.70	40°/000	27°/180				Lithology: Dominantly grey brown-grey clay/mudstone ± intermittent wavy fine sand bands. Wet sediment slumping				
12.00	14.00	13.00							13	>40		100	
			12.35	32°/000	32°/000				Fe-stained silt/mud coats joint.				
			13.00		65°/260				Fe-stained joint.				
			13.60		70°/000								
			13.30						Geol. Boundary between grey mud/claystone ± intermittent slumped sand above and fine grained feldspathic qtzite below.				
14.00	16.00	15.00	15.00		65°/000				16	>50		99	
			14.50		50°/000								
			14.40				60°/000		0.001 m thick Qtz vein				
			15.90	25°/000					X-bedding.				
			16.00		78° /255				Lithology: fine-medium grained, grey, feldspathic qtzite ± occassional Lim. after Py. Cubic X bedding occurs in a silty/clayey interval 16.00 → 15.80 which is also contains many lim. after Py cubes + small 'spots' of mica				
16.00	18.00	17.00							14	>50		99	
			17.00	35°/000	35°/000				Mud/clay coats joint				
			17.00		70°/170								
			17.5		72°/000		72°/000		Qtz veinlet 0.001 m thick. Lithology: fine-medium grained, grey white, feldspathic qtzite ± disseminated Lim. after Py.				

0247

STRUCTURAL LOG – DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

HOLE NO. CD001
Sheet No. 3 of 14

Logged: M. Dugmore

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
18·00	20·00	19·00	18·9	43°/000	43°/000				8	30		99	
			18·9		50°/150				Fe-stained joint				
			18·9		58°/340				" " "				
									Lithology: Dominantly grey silt/fine sand/mud/clay stone.				
									Occassional x bedding.				
20·00	22·00	21·00	21·00		27°/000				13	5		100	
			21·00		60°/000								
			21·00				90°/000		Prominent Qtz vein, slightly Fe stained z cavitational appearance. 2·3 m long.				
			20·20	40°/000									
			20·40						Gradational boundary between inter-layered fine sand x silt/mud above and white, fine-medium grained feldspathic qtzite z disseminated Lim. after Py.				
22·00	24·00	23·00	2300		60°/000				9	20		100	
			23·45	45°/000									
			24·00		25°/000		25°/000		Qtz. vein 0.00m thick z Fe staining. Mud/clay coats joint. Lithology: Dominantly white, fine-medium grained, feldspathic qtzite z abundant small Lim. after Py.				
24·00	26·00	25·00	26·00	28°/000					5	5		100	
			24·30		40°/180				Lithology: Dominantly fine-medium grained, grey sand containing abundant dark heavy minerals and 'clasts' of brown clay interlayered z grey silt/mud and brown clay/mud.				
			24·60	30°/000	60°/180								
			25·90	25°/000	25°/000								
26·00	28·00	27·00							8	5		100	
			26·9	25°/000	25°/000								
			27·2		68°/000				Lithology: Dominantly grey silt z layers of fine sand x bedding. Fine-medium grained white, feldspathic qtzite containing Lim. after Py cubes up to 7 mm² occurs between 27·5 – 27·0.				
			27·6	12°/000	12°/000								

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

HOLE NO. CD001
Sheet No. 4 of 14

Logged: M.A. Dugmore

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
29·00	30·00	29·00	29·00	30°/000					8	>50		100	
			29·45		30°/000								
			29·5		70°/000								
			29·5				25°/000		Qtz vein 0.005m thick.				
									Lithology: Interbedded grey silt/mudstone, fine sands and white feldspathic qtzite				
									± Lim. after Py.				
									12	>50		99	
30·00	32·00	31·00	31·00		35°/000				Lithology: Dominantly light brown silt/mudstone				
			30·40	25°/000	25°/000				± abundant weathered Py spots inter				
			30·40		40°/000				bedded ± fine sands. A barren qtz.				
									vein 0.10 m thick occurs between				
									30·00 – 30·10 m.				
32·00	34·00	33·00	33·00		70°/000				16	30		99	
			33·00				70°/000		Qtz - clay veins 0.001 m thick				
			33·00				90°/000		" " " parallel to core axis.				
			33·60		12°/000				Lithology: grey silt/mudstone interbedded				
			33·40		45°/000				± grey, fine grained qtzite				
			33·95	25°/000	25°/000								
34·00	36·00	35·00	34·80		65°/000				8	>60		99	
			35·20		45°/000								
			34·10		25°/000				Fe stained joint. Lithology:				
			35·70	20°/000					Lithology: Interbedded grey silt/mudstone				
									and fine sand ± beds of white				
									fine grained - medium grained, feldspathic				
									qtzite containing lim. after Py cubes				
									up to 0.01 m. Silt and fine sand clasts				
									occur in qtzite.				
36·00	38·00	37·00	36·90	25°/000					12	>60		97	
			36·90		46°/130				Joint coated ± clay.				
			36·40				58°/300		Vein/zone containing lim. after Py cubes.				
			37·20		65°/000				Lithology: fine grained, grey silty qtzite				
			37·20		70°/000				± 'fingers' of grey silt/mudstone and clasts				
									of silt/mudstone. Large unweathered Py xtal				
									in qtzite at 37·25 m.				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0249

HOLE NO CD001
Sheet No 5 of 14

logged: M.A. Dugmore

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
38.00	40.00	39.00	39.00				90°/000		16	>50		99	
									Py + lim. after Py in vein parallel to core axis.				
			39.70		25°/000								
			38.50	22°/000									
			38.40				65°/340		Qtz. veinlet discordant to bedding				
			38.90						Lithology: Geol. boundary between grey fine sand and green silt, sand above and white silty sand below				
			39.90						Geol. boundary between white silty, oxidized sand above and grey fine sand & interbedded silts below.				
40.00	42.00	41.00							7	>100		80	
		40.75			20°/000								
		40.30			85°/000								
		40.20		20°/000					Lithology: Interbedded grey silty mudstone and fine-medium grained grey white silty quartzite & abundant Py cubes.				
42.00	44.00	43.00	43.40		32°/000				16	>20		99	
			43.10	25°/000					Lithology: Dominantly grey silty mudstone & fine sand bands interbedded & silty qtzite. Py cubes abundant x bedding in silt.				
			42.60		20°/000								
44.00	46.00	45.00	44.40		20°/000				15	>40		99	
			45.40		15°/000				Lithology: Very weathered grey, sandy silty mudstone.				
			45.80		68°/000								
46.00	48.00	47.00							10	>50		99	
			46.90		20°/000				Lithology: Interbedded silts/muds, silty sands and sandy silts. Two horizons are				
			46.10		68°/000								
			46.50	17°/000					Fe-stained (yellow brown) 45.9 → 46.3 and 46.5 → 47.4.				
48.00	50.00	49.00	49.00	15°/000	15°/000				11	>50		99	
			48.45		45°/000								
			49.10						Geol. boundary between grey silt/mudstone above and greywacke silt containing thin beds bands of qtz. Significant Py.				
			49.35						Large Qtz fragment in silty matrix				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0250 HOLE NO C Dool

Sheet No. 6 of 14

Logged : M.A. Dugmore

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
50·00	52·00	51·00	50·75		20°/000				12	Majority		60	
			50·65						20 cm	Zone of Fe stained silt/mud.			
			51·8		5°/000								
			50·4						Boundary between silt/mud & clasts above and silt/mud below.				clean qtz.
									Overall Lithology to 51·9 is extremely weathered.				a silty/mud -
			51·9						Several clean qtz. fragments in silt/mud matrix				
52·00	54·00	53·00	53·00	15°/000	15°/000				15	>50		90	
			52·95				15°/000		Thin veinlet < 0·001 m thick containing massive Py. Lithology: Interbedded grey silt/mud and fine sand & heavy minerals.				
									Thin 'cracks' cut bedding (<0·001 m) and contain Py.				
54·00	56·00	55·00	55·00		42°/000				6	>50		80	
			55·00	20°/000					Thin white clayey bands // bedding				
			55·25	15°/000	15°/000				Lithology: ~~grey~~ Interbedded grey muddy silt and fine sand & dark minerals.				
			56·25		60/160								
56·00	58·00	57·00	57·00	17°/000	17°/000				13	>50		99	
			57·00		45°/060								
			57·95	25°/000	25°/000		25°/000		Qtz vein 0·002 m thick // bedding & disseminated Py. Lithology: Dominantly grey silt & thin bands of fine sand & heavy minerals.				
58·00	60·00	59·00	59·00	08/000					7	10		100	
			59·00				35°/000		Discordant qtz vein 0·002 m thick & disseminated Limonite after Py. Lithology: fine grained grey, brittle Diamictite. Clasts of granite, gneiss, qtz, fairly well rounded occur in a fine sandy matrix.				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0251 HOLE NO. CD 001

Sheet No. 7 of 14

Logged : S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
60·0	62·0	61·0m	60·9		25/000				9	2			
			62·0	00°/000					Diamictite, light grey ± minor dark grey bands minor sub-rounded clasts poorly sorted (approximately 10% rock)				
									Poorly developed joints				
			61·6				60°/000		<0.5mm veinlets (Qtz), with regular occurrence				
62·0	64·0	63·0m	63·0	00°/000					7	1			
			62.6		40/000				Poorly developed joints				
			62·7				10°/000		Extremely irregular Qtz vein approx 10cm thick Host				
							70°/000		cut by 1mm Qtz veins dip 70°. Minor pyrite present				
									on joint surfaces and in veins				
64·0	66·0	65·0m	65·1		43°/000				9	1			
			65·7		62°/000				Conjugate joints at 65·7m regular surfaces well developed				
					74°/000				Lithology similar to previous ± large (<4cm) granitic				
									clasts present.				
66·0	68·0	67·0m	67·0		35°/000				16	14			
			66·8		72°/000				Moderately well developed joints				
			66·5		20°/000				Brecciated zone from 66·5 to 66·7				
68·0	70·0	69·0m	69·1		25°/000		64°/000		10	18			
			68·3		60°/000				regular Qtz veinlets (<0·5mm) at 69·1m				
									Joints with extensive pyrite films				
									Fine dendritic pyrite subparallel to 60° dip concentrated				
									near 68·1m and 69·9m.				
70·0	72·0	71·0m	70·8		40°/000		61°/000		5	2			
									regular Qtz veinlets (<0·5mm) approximate dip 61°				
									present throughout section approx. 20cm apart				
									Dendritic pyrite through out especially from 71·6 to 72·0m				
72·0	74·0	73·0m	73·1		10/000		61°/000		11	≈50			
			73·9				18°/000		Limonite present on vein surface				
									Qtz/Limonite irregular veins				
									Lithology similar to previous ± minor dendritic pyrite				
74·0	76·0	75·0m	75·1				60°/000		9	18			
			75·2		20/000				Irregular Limonite/minor Qtz veins after pyrite with				
			75·8				24°/000		boxwork appearance, 2–3mm wide				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0252

HOLE NO CD001
Sheet No. 8 of 14

Logged: S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
76·0	78·0	77.0m	77·0		16/000				12	40			
									Planar well developed joint surfaces				
			77·1				66/000		<0·5mm Limonitic regular vein				
			77·6				34/000		1-2mm Limonite irregular veins ± boxwork structure				
									Disseminated dendritic pyrite present around 76·6m				
78·0	80·0	79·0m	79·1		26/000		26/000		5	1			
							60/000		<0·5mm Qtz/Pyrite veinlets				
									Calcite and pyrite present in some of the clasts. Also				
									dendritic pyrite disseminated with preffered dip of 60°				
80·0	82·0	81·0m	81·4		16/000		16/000		10	5			
							55/000		Pyrite films on joint faces dipping 16°				
									3-4mm wide Calcite/pyrite vein dipping 55° slightly				
									irregular sub-parallel to veinlets (<0·5mm wide) dispersed				
									through section as well as disseminated pyrite				
Orientation at 83·4 extended from 82·0m to 84·5m													
82·0	84·0	83·0m	82·8		54°/240		40°/160		4	4			
									Pyrite films on well developed joint surfaces				
									Boxwork pyrite/Limonite in 2-3mm wide slightly irregular				
									vein.				
			82·1				66°/220		Qtz/Carbonate regular veinlets (<0·5mm wide)				
									extensive disseminated pyrite around 83·1m Large (2cm				
									diam.) calcite/pyrite clast at 83·3m				
84·0	86·0	85·0m	84·3		27°/260		40°/170		14	6			
									slightly irregular calcite/pyrite vein 2-3mm wide				
			84·6		64°/000				No orientation of joint parallel minor disseminated pyrite				
			85·1		10°/000				Limonite on well developed joint surface				
			85·4				48°/000		Calcite/Pyrite vein 1mm wide regular occurrence				
86·0	88·0	87.0m	87·0		19/000				11	20			
			86·4		59°/000				Poorly developed joint dip 19°. Well developed joint dip 59°				
									with pyrite films on surface. extensive disseminated pyrite				
									with preffered orientation especially between 86·7 and 87·0m.				
			87·8				59°/000		Quartz/Calcite/Pyrite veinlet (<0·5mm) regular dip.				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0253

HOLE NO. CD001
Sheet No. 9 of 14

Logged : S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Sheors	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
88.0	90.0	89.0m	88.8		12°/000		66/000		37	>50			
									Pyrite films on joint surfaces. <0.5mm calcite veinlet dipping 66° with regular surface plane				
			89.7				37/000		Calcite vein (1mm wide) with minor limonite regular occurrence				
90.0	92.0	91.0m	90.6		45°/000				7	9			
									Well developed joints & curved surfaces and pyrite films				
			90.4		10°/000		61°/000		Calcite/Pyrite vein 3-4mm wide regular orientation				
			91.8				55°/000		Calcite/Limonite (after pyrite) vein 1mm wide				
									Lithology as before – light gray diamictite with few scattered clasts of basement granites, sedimentary types and calcite/ Pyrite clasts. Sub-rounded, poorly sorted.				
92.0	94.0	93.0m	93.1				64/000		7	1			
									Regular veinlets (<0.5mm wide) Calcite/pyrite				
			93.6				54/000		Calcite/Pyrite vein 1mm wide regular orientation				
			92.5		35°/000				Poorly developed irregular joints				
94.0	96.0	95.0m	95.2				66°/000		6	6			
									minor calcite veinlet (<0.5mm) regular orientation				
			95.5		19°/000				Thin calcite film on surface of planar joint				
96.0	98.0	97.0m	96.5		21°/000				7	4			
									Poorly developed joints & minor calcite films				
			96.4				58°/000		1mm calcite/pyrite vein regular orientation				
98.0	100.0	99.0m	99.2		29°/000		29°/000		15	≈50			
									Pyrite and calcite films on joint surfaces				
							61°/000		Irregular calcite/pyrite vein 2mm wide forming concretion (concentration) 2cm diam. along vein.				
100.0	102.0	101.0m	101.0				57°/000		5	3		100	
									Very irregular Calcite/pyrite vein 4-5mm wide (approx. 40% Py.) dendritic Py in diamictite associated				
			100.9				62°/000		Regular planar Calcite/pyrite vein 2mm wide (approx. 20% Py.)				
			101.6		5°/000		5°/000		Planar joint with calcite film on surface				
102.0	104.0	103.0m	103.0				62°/000		11	6			
			102.5		30°/000				regular calcite veinlets (<0.5mm wide) dip 62°. Calcite crystals on joint surface dip 30°. Area of calcite veining irregular dip 62° minor brecciation between 103.3m and 104.0m				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

HOLE NO CD001
Sheet No 10 of 14

Logged: S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
104·0	106·0	105·0 m	104·7				60°/000		13	7			
									Planar calcite vein 1mm wide				
			104·5		47°/000				Pyrite films on moderately well developed curved joint surface				
			104·2				63°/000		5mm wide calcite/limonite regular vein with calcite				
									stringers (<0·5 mm) associated with multiple directions				
106·0	108·0	107·0 m	106·4				60°/000		8	4			
									Planar calcite/pyrite vein 1-2mm wide				
			107·6		44°/000		44°/000		Calcite films 1mm thick on joint surfaces				
108·0	110·0	109·0 m	109·0		60°/000		60°/000		12	>50			
									Calcite films on surface of well developed joint				
			108·2		67°/000				Well developed planar joint surface with minor pyrite films				
									Whole section contains many disrupted and discontinuous				
									veinlets of calcite sub-parallel to 60° dip				
110·0	112·0	111·0 m	111·0		36/000				16	≈50			
									Well developed planar joints with minor calcite and				
									pyrite films				
			111·6				67°/000		Regular calcite veinlet (<0·5mm wide)				
									Lithology: dk grey diamictite with sparse large clasts				
									1-2cm diameter, subrounded, 10-15% rock				
112·0	114·0	113·0 m	112·7		71/000		62°/000		7	22			
									Well developed planar joints & minor pyrite films dissected				
									by calcite veinlet (<0·5mm wide)				
			113·7				88°/000		Minor calcite stringers & sub-vertical orientation				
114·0	116·0	115·0 m	114·1		30/000				9	17			
									Planar joint & pyrite on surface				
			115·5		60/000		60°/000	60°/000	From 115·5 to 115·9 is a brecciated sheared zone with veining				
									of calcite/pyrite (Lode Area), bounded by well developed				
									joints dipping 60°				
116·0	118·0	117·0 m	117·1		54/000		54/000		15	23			
									Irregular calcite veins 1mm wide & calcite stringers (<0·5mm)				
									& variable orientation extensive veining throughout section				
			117·9		59/000		59/000		From 117·9 to 118·0 is a brecciated zone of calcite veining				
118·0	120·0	119·0 m	118·5		85/000				11	—			
			119·7		59/000				well developed planar joint & pyrite films on surface				

STRUCTURAL LOG — DIAMOND DRILL HOLE.

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO. CD001
Sheet No. 11 of 14

Logged: S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
120.0	122.0	121.0m	121.0		21/000				11	2			
			120.7				59°/000		Poorly developed joint 1-2mm calcite vein regular orientation				
122.0	124.0	123.0m	123.5		61/000				7	≈40			
							80/000		Minor calcite and pyrite films on well developed joint surface 2-3mm calcite vein & regular orientation				
124.0	126.0	125.0m	125.0				70/000		6	30			
			125.7		62/000		62/000		veinlets of calcite (≤0.5mm wide) & regular orientation Poorly developed joint along vein surface, slightly irregular				
126.0	128.0	127.0m	127.2		54/000		54/000		9	14			
			127.9				15/000		regular calcite veins 1mm wide developed 'irregular' section 1mm wide calcite vein. Large mudstone clast (3x5cm) present at 126.3m.				
128.0	130.0	129.0m	128.8				66/000		11	≈40			
			128.1		66/000				1mm calcite vein & minor pyrite jointing along vein surface				
130.0	132.0	131.0m	130.7		66/000		66/000		11	8			
									Well developed planar joints along 1mm wide calcite/pyrite veins. Slightly irregular veins with calcite stringers present throughout section with 66° dip				
132.0	134.0	133.0m	133.4		46/000				8	12			
			133.3				60/000		Moderately well developed joint & pyrite films on surface 1mm wide regular calcite/Pyrite vein Highly rounded basement clasts present in diamictite				
134.0	136.0	135.0m	135.3		66/000		66/000		10	11			
									Planar joint along calcite/pyrite vein few veins present in section. Large mudstone clasts present				
136.0	138.0	137.0m	137.0				60/000		13	>50			
			137.2		66/000		66/000	66/000	1mm regular calcite vein From 137.2 to 137.6m is a sheared brecciated zone veined by calcite and minor pyrite (Ldde Area) Limonitic staining present on joint surface. From 137.6m to 138.0m veinlets present & variable orientations and limonitic staining. Minor subangular clasts present within diamictite.				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO CD001
Sheet No. 12 of 14

Logged : S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
Orientation at 154.0 m Extended from 138.5 to 157.0													
138.0	140.0	139.0m	138.5		68/210		68/210	68/210	20	>100			
									From 138.0 to 138.5 is a highly sheared brecciated zone of calcite/pyrite veining with limonitic staining on some of the shear surfaces (Lode Area)				
									Minor irregular veinlets (<0.5mm wide) occur throughout remainder of section with irregular orientations (dominantly dipping 68 towards 210).				
140.0	142.0	141.0m	141.6				54/220		9	30			
									Calcite vein 1mm thick slightly irregular				
			141.2		73/145			73/145	Well developed planar shear surface that cuts a number of calcite veins. calcite films associated on surface.				
									Random orientations (dominantly 73/145) in other areas.				
142.0	144.0	143.0m	142.6				73/125		9	19			
							52/015		planar slightly irregular veinlet (73/125) cuts (displaces) planar veinlet (52/015) <0.5mm thick.				
			143.9		23/075				planar well developed joint surface ± minor calcite coating.				
144.0	146.0	145.0m	144.7				60/180	78/283	5	6			
									Shear zone (no veining associated) 2-3 cm wide displaces planar calcite vein 2mm wide by 10 cm (in normal shear direction). minor slightly irregular veinlets present throughout section.				
									7cm Quartzite clast present at 145.8m				
146.0	148.0	147.0m	147.7				63/178		6	4			
									Planar vein 1mm wide calcite ± minor pyrite. veinlets (<0.5mm wide) ± similar orientation sparsely scattered throughout section.				
									Also at 147.7m are angular clasts (5) of grey siltstone ± minor pyrite associated				
148.0	150.0	149.0m	148.3		75/060				10	25			
									Well developed planar joint ± associated pyrite films				
			149.7				66/190		Regular Qtz/Calcite/Pyrite vein 1mm wide				
									Lithology: diamictite, grey green ± 10-15% clast content sub-rounded ± minor sub-angular clasts of quartzite, siltstone, mudstone, calcite + pyrite.				

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0257

HOLE NO. CD001
Sheet No. 13 of 14

Logged: S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
150.0	152.0	151.0m	150.4				66/195		7	–			
			151.7				60/190		Planar 1mm wide calcite/pyrite veins				
152.0	154.0	153.0m	153.5				63/193		5	7			
									Planar 1mm wide calcite/pyrite vein. Veinlets (<0.5mm wide) with similar orientation scattered throughout section.				
154.0	156.0	155.0m	154.8				74/263	74/263	8	15			
									zone of minor veinlets (<0.5mm wide) & minor brecciation of country rock associated				
156.0	158.0	157.0m	156.8	42/140					8	29			
									Bedding defined by a 1cm thick band of clasts, dominantly quartzite.				
			157.5		63/000		63/000		No orientation. 2mm thick planar calcite/limonite vein with associated joint.				
158.0	160.0	159.0m	159.0				59/000		7	14			
									1mm calcite/pyrite vein planar surface				
			159.9		65/000				Poorly developed irregular joint & minor calcite coating				
160.0	162.0	161.0m	161.1				61/000		8	16			
									Planar calcite/minor pyrite veinlets (≈0.5mm wide)				
			160.1				50/000		slightly irregular calcite/pyrite vein 1mm wide cut by calcite veinlets as above & dip 61°				
162.0	164.0	163.0m	162.1				66/000		5	–			
									1mm regular calcite/pyrite vein. other veins & similar orientation scattered throughout section.				
			162.4		34/000		34/000		0.5mm wide planar calcite vein & well developed joint surface				
164.0	166.0	165.0m	165.0	20/000					7	19			
									Bedding defined by the base of a 20cm unit of highly packed (75% rock) clasts, subangular to rounded, poorly sorted dominantly of sedimentary origin. Minor clasts contain pyrite.				
			164.5				80/000		planar 0.5mm calcite vein				
			164.1		59/000		59/000		slightly irregular 1mm calcite/minor pyrite vein & well developed joint surface				
166.0	168.0	167.0m	167.3		59/000		59/000		4	8			
									1mm calcite/minor pyrite vein. 20% clast content around 167.3m.	coarse sandstone area between 166.7 and 167.1m			

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0258 HOLE NO. CDOO1
Sheet No. 14 of 14

Logged: S.A. Brady

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
168.0	170.0	169.0m	169.1	64/000	63/000		63/000		7	19			
							76/000		1mm wide calcite/pyrite vein dip 63° cuts veinlet planar (<0.5mm wide). Bedding poorly defined by 10cm thick area of packed sub-rounded clasts. Poorly developed joint & calcite/pyrite films on surface.				
			168.2		54/000								
170.0	172.0	171.0m	170.5				62/000		7	5			
									Planar calcite veinlet (<0.5mm wide). Others & similar orientation sparsely scattered throughout section				
172.0	174.0	173.0m	172.1		72/000		68/000		7	26			
									Poorly developed shear & minor calcite films cuts 1mm wide vein planar surface calcite/pyrite				
			172.3				62/000		1mm wide planar calcite/pyrite vein & different orientation to above.				
			173.6				10/000		0.5mm wide calcite vein cuts rounded sedimentary clast				
174.0	176.0	175.0m	174.3				85/000		3	15			
									Irregular veinlet (<0.5mm wide) of calcite				
			174.9				10/000		Planar veinlet of calcite.				
			175.4				66/000		1mm wide calcite vein				
176.0	178.0	177.0m	176.9	63/000					6	10			
									Very poorly defined bedding by a 3cm thick gravelly band. Few calcite/pyrite clasts dispersed throughout section				
178.0	179.5	179.0m	178.3				71/000		5	12			
							10/000		1mm wide calcite vein & planar surface dissected by area of calcite/pyrite veins 0.5mm to 3mm wide & associated brecciation (minor) of country rock dip 60° between 178.1 and 178.4 itself dissected by 1mm wide planar calcite vein dip 10°. Minor veins with dip 71° as above dispersed throughout remainder of section				
					60/000		60/000						
									Lithology: dark grey-green diamictite with 5 to 10% clasts slightly concentrated at 178.8: Dominantly sub-rounded, poorly sorted clasts of mainly sedimentary origin				

PROJECT:- E.L. 1102 Copperlinka
LOCATION:- Two Mile Dam
HOLE COORDINATES:- GP 6413350N | 435270E.
COLLAR ELEVATION:- N.A.
BEARING:- 245°M
INCLINATION:- 60°
LOGGED BY:- S.T. MANN

UTAH DEVELOPMENT COMPANY
(EXPLORATION ADELAIDE)

0259

HOLE No.:- CD005
REPORT No.:-

STRUCTURAL LOG — DIAMOND DRILL HOLE

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72x100	Estimated core recovery	Rock strength
0.0	4.2		4.2 metres of alluvium										
4.2	6.0	5.1	4.6	5/000					>100	>500		100%	
			Deeply weathered to a brown colour										
			The top 70cm of the interval has cored well but then becomes very broken up										
			No veining or obvious joints.										
6.0	8.0	7.0	7.0	5/000	65/230				>100	>100		100%	
			7.6	0/000	50/000								
			Brown and deeply weathered as the previous locality										
			Core broken in top 60cm then fairly good coring.										
8.0	10.0	9.0	8.7	4/000	40/000		40/000		12	-		100%	
			Siltstone with thin sandy intervals throughout										
			Weathered brown and soft to 8.6										
			Solid core for most of interval										
10.0	12.0	11.0	11.0	5/000	3/000				6	-		100%	
			Fine grained sandstone at base grading to a silt with fine sandy beds above.										
12.0	14.0	13.0	12.0	2/000					9	-		100%	
			13.8	0/000	30/000								
			Basically Clayey bedded throughout										
			Dominantly a fine grained sandstone with some silty intervals to 2 to 3 cm thick										
14.0	16.0	15.0	14.4	0/000	62/000				7	-		100%	
			15.0		50/000								
			15.5	2/000	7/000								
			Dominantly a fine grained sandstone throughout.										
16.0	18.0	17.0	16.1	2/000	77/000				7	-		100%	
			16.7	0/000	68/000								
			Dominantly sandstone with fine siltstone throughout										
18.0	20.0	19.0	18.6	5/000	5/000				7	-		100%	
			Poorly Crossbedded sands at 18.6m otherwise massive sands.										

STRUCTURAL LOG — DIAMOND DRILL HOLE.

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO. C D005
Sheet No. 2 of 9

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
20·0	22·0	21·0	20·1	0/000			33/000		8	–		100%	
			21·9	0/000			60/000						
							40/000						
			Dominantly sandstone with silty interbeds										
			Veining consists of three <1mm thick veins at 21·9 and a 3mm thick vein at 20·10										
22·0	24·0	23·0	22·2	5/000			13/000		9	6		100%	
			23·3	~~set~~	63/000		63/000						
			Dominantly sandstone throughout with fine silty interbeds higher in the interval.										
24·0	26·0	25·0	24·8	0/000	65/000				7	–		100%	
			Near vertical joint through 25·0 metres										
			A number of fine joints parallel with each other measuring 65/000										
			Bedding flat throughout relative to core axis										
26·0	28·0	27·0	27·8	5/000	67/000				10	–		100%	
			Occasional undulations in the bedding making it a few degrees steeper but										
			generally bedding less than 5°.										
28·0	30·0	29·0	28·5	6/000	30/000		50/000		10	–		100%	
			Some wavy and crumbed throughout - mostly sandstone										
30·0	32·0	31·0	30·6	~~60~~/000	85/000		55/000		8	–		100%	
				~~35/000~~	55/000								
			30·8	0/000	58/000								
			31·0	5/000	68/000		50/180						
					50/180								
			Near vertical vein infilled joint (about 1mm thick) from 29·6 to 30·8 metres										
32·0	34·0	33·0	32·6	0/000	66/000		30/000		26	7		100%	
			32·8		85/000								
			Bedding nearly flat relative to core axis throughout										
			Near vertical joint running through most of interval breaking it up										
			Dominantly sandstone with siltstone to a lesser degree throughout										
34·0	36·0	35·0	34·8	6/000	85/000				34	8		100%	
			35·2		58/000								
			Near vertical joint running through most of interval										
36·0	38·0	37·0	36·5	5/000			30/000		16	5		100%	
			Vertical joint running through interval										
			Alternating sandy and silty throughout										

STRUCTURAL LOG — DIAMOND DRILL HOLE.

UTAH DEVELOPMENT COMPANY
(Exploration Department)

0261

HOLE NO. CD005
Sheet No. 3 of 9

DEPTH			Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES			Estimated core recovery	Rock strength
From	To	Datum							N	L	L/72 x 100		
38.0	40.0	39.0	38.1	5/000			52/000		26	17		100%	
			38.5	0/000	52/000		52/000						
			39.6				26/000						
							3/000						
			Dominantly sandstone with some siltstone throughout. Near vertical joint over whole interval										
40.0	42.0	41.0	40.1				30/000		14	12		100%	
			40.6	7/000			50/000						
			41.2		85/000								
			41.7	17/000	64/000		42/000						
							30/090						
			Near vertical joint throughout most of interval. Some crossbedded sands occur.										
42.0	44.0	43.0	42.6	2/000	73/000				9	—		100%	
			43.6	0/000	80/000		70/000						
			Mainly sandstone but contains interbedded siltstone throughout										
44.0	46.0	45.0	45.1	15/000	70/810		80/060		5	—		100%	
					15/000								
			45.9	5/000	45/000								
			Sandy throughout with some silt.										
46.0	48.0	47.0	46.8	5/000			37/000		19	13		100%	
			47.6		75/000		75/000						
			Broken up for 20cm at 47.5 metres										
			Sandstone throughout										
48.0	50.0	49.0	49.0		57/000				17	—		100%	
			49.7		68/000								
			50.0	10/060			70/060						
			Sandy at the base but fairly silty to the top of the interval										
50.0	52.0	51.0	50.3		70/000		70/000		24	5		100%	
			50.8		76/000		76/000						
			51.1	25/000									
			Generally massive sandstone throughout interval but interbedded silt between 51.0 and 51.3										
52.0	54.0	53.0	52.3	8/000	48/000				23	9		100%	
			52.9		62/000								
			A few very fine discontinuous quartz veinlets (<½mm) occur around 53.0m										
54.0	56.0	55.0	54.2	10/000	23/000		~~[illegible]~~		37	>50			
			55.1				40/010						
							Orientation at 58.5m [illegible]						

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO. CD005
Sheet No. 4 of 9

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/m x 100	Estimated core recovery	Rock strength
56·0	58·0	57·0	56·8	23/060					3	–		100%	
			Massive sandstone to most of interval with silt accum						over a small interval at 56·8m				Overburden 56.5m
58·0	60·0	59·0	58·6		48/020				10	–		100%	
			59·3		20/000		20/000		Overburden doesn't go below 58·7 metres				
							42/000						
			60·0	15/000			23/000						
60·0	62·0	61·0	61·3	5/000	65/080		75/000		14	–		100%	
			61·8		78/000		78/000						
							80/000						
			Dominantly sandy throughout with occasional silty interbeds										
62·0	64·0	63·0	63·6	7/000			45/000		5	–		100%	
			Partly cross bedded at 63·3										
			Generally massive sst. throughout.										
64·0	66·0	65·0	64·6				23/000		10	–		100%	
			65·5	3/000	75/000		75/000						
							45/000						
			Massive sandstone with few silt. New vertical vein over interval										
66·0	68·0	67·0	66·5				30/000		8	–		100%	
			66·9				15/000						
			67·6	28/000			20/000						
			67·9	12/000			15/140						
68·0	70·0	69·0	68·6	5/000			16/000		8	–		100%	
			69·0	10/000									
			69·7	7/000			30/000						
			Silt a little more common between 69·1 and 69·5m New vertical vein over interval										
70·0	72·0	71·0	70·4	5/000			70/000		7	–		100%	
			71·0	7/000			30/000						
			71·2		50/000								
72·0	74·0	73·0	72·2	5/000			52/000		11	–		100%	
							73/000						
			73·8		76/000								
			Sandstone to the top and bottom of interval with siltstone around 73·0m										
74·0	76·0	75·0	74·3				68/000		7	–		100%	
			74·5				15/000						
			75·4	7/000			73/000						
							32/000						

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO CD005
Sheet No. 5 of 9

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
76·0	78·0	77·0	76·1	12/000			50/060		18	–		100%	
			77·8	0/000	85/000								
			Nearly vertical joint running through this interval and the previous one										
78·0	80·0	79·0	78·2	3/000	75/330		47/000		6	–		100%	
			79·1	3/000			20/000						
80·0	82·0	81·0	80·4		60/000				28	5		100%	
			81·1	0/000	58/000		63/000						
			81·9	2/000			20/000						
82·0	84·0	83·0	82·6				47/000		13	2		100%	
			83·0	0/000			70/000						
			83·9		59/000								
			Near vertical vein running through interval										
84·0	86·0	85·0	84·6	5/000	79/070		79/070		8	2		100%	
			85·7		63/000								
86·0	88·0	87·0	86·9	10/000	65/030		66/030		13	–		100%	
							70/100?						
			87·1				60/000						
			87·8	12/000									
			Dominantly sandstone with a little silt throughout										
88·0	90·0	89·0	88·3		65/000				7	–		100%	
			89·0				49/000						
			90·0		70/000								
			Poorly developed - more or less flat beds can be seen throughout										
90·0	92·0	91·0	90·3				30/000		10	–		100%	
			90·6				63/000						
			90·9	5/000	42/000								
			Poorly developed bedding with pebbly coarser sandy intervals										
92·0	94·0	93·0	92·4				66/000		8	–		100%	
			93·0	21/000									
			Very fine (< 2 mm) near vertical vein through interval.										
			Poorly cross-bedded sands occur										
94·0	96·0	95·0	94·2	14/000			70/000		6	–		100%	
			95·4		63/000								
			Near vertical fine quartz vein throughout interval										

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO CD005
Sheet No. 6 of 9

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/12 x 100	Estimated core recovery	Rock strength
96·0	98·0	97·0	96·6	d000	d/000		0/000		24	2		100%	
			97·6		70/000								
			Vertical fine grained vein (½ mm thick) running through whole interval										
			Mostly sandy throughout										
98·0	100·0	99·0	99·3	6/000	75/000		15/000		27	6		100%	
			99·8		81/000								
			Several new vertical joints										
100·0	102·0	101·0	100·1		58/000				19	—		100%	
			100·4	10/000			70/090						
			100·6		70/000								
			101·1	10/000	72/000								
			101·9		62/000		15/000						
102·0	104·0	103·0	103·2		74/000		74/000		9	11		100%	
			Massive with poorly defined bedding										
			Fine near vertical vein										
			A number of steep joints										
104·0	106·0	105·0	104·1				43/000		9	—		100%	
			105·2	0/000	50/000								
			105·8		52/000		20/000						
106·0	108·0	107·0	106·5		30/000		50/000		9	—		100%	
			107·1	5/000	5/000		33/000						
			107·4		40/000								
108·0	110·0	109·0	108·3	3/000	82/000		82/000		9	—		100%	
			108·7		58/000		58/000						
			109·0		51/000								
			Loading at 109·8 metres										
110·0	112·0	111·0	110·1	5/000			33/000		17	2		100%	
			110·8		65/000		65/000						
			~				39/000						
			111·6		73/000		47/000						
112·0	114·0	113·0	112·1				42/000		22	12		100%	
			112·5	6/000									
			113·0	3/000	48/000								
			Near vertical joint commencing at about 113·8 metres and extending into the underlying interval										
			Loading of coarser sands into finer sands + silts.										

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO CD005
Sheet No. 7 of 9

DEPTH			Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES			Estimated core recovery	Rock strength
From	To	Datum							N	L	L/72 x 100		
114.0	116.0	115.0	114.1				44/000		32	4		100%	
			114.6	12/000	75/000		75/006						
			Broken up between 114.70 and 115.4 metres.										
116.0	118.0	117.0	116.4	10/000			42/090		41	10		100%	
			117.1	6/000	5/000		23/000						
							5/000						
			117.7	11/000	77/000								
118.0	120.0	119.0	118.4		26/000		87/000		32	5		100%	
			119.0		72/000		[illegible]						
			Section very broken up just as the last one was										
			A few fine quartz veins do occur										
			Thickest veining is a near vertical one which is about 4mm thick.										
120.0	122.0	121.0	120.3	7/000	67/000				25	21		100%	
			122.0		78/045								
			Very broken and fractured between 120.5 and 121.3 - poorly silicified								Core [illegible] at 124.8 [illegible] from 124.2 [illegible] to orientation		
			The fractures are randomly orientated										
122.0	124.0	123.0	122.3		65/080				8	–		100%	
			123.5	18/300			41/270						
			Only a few thin beds can be recognised										
124.0	126.0	125.0	124.2	5/340			5/340		11	–		100%	
			125.0	6/060							Orientation at 124.8 metres it extends to 125.3 [illegible]		
			Massive sandstone throughout										
126.0	128.0	127.0	126.4		70/000				22	3		100%	
			126.9	21/000			45/180						
			127.5		73/000								
129.0	130.0	129.0	128.5		75/000		75/000		11	–		100%	
			128.9		42/000								
			129.7	17/000	69/000								
130.0	132.0	131.0	130.1		72/000				21	11		100%	
			130.5	10/000	35/000		35/000						
			131.6		80/00								
			Generally massive sandstone with few fractures and veins										
132.0	134.0	133.0	132.3	7/000	67/000				39	19		100%	
					39/000								
			133.2		61/000		60/000						

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO. C D005
Sheet No. 8 of 9

DEPTH From	DEPTH To	DEPTH Datum	Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES N	DISCONTINUITIES L	DISCONTINUITIES L/72 x 100	Estimated core recovery	Rock strength
134·0	136·0	135·0	134·2		70/000				18	17		100%	
			135·1	0/000	46/000								
			135·7	6/000	70/000		24/000						
136·0	138·0	137·0	136·5	11/000			41/185		12	–		100%	
			137·1		52/000								
138·0	140·0	139·0	138·1	7/000	67/000		67/000		13	1		100%	
			139·2	10/000			32/090						
			139·6	5/000			5/000						
140·0	142·0	141·0	140·5	0/000			28/000		9	–		100%	
			141·0	7/000									
			Massive mostly sedstone throughout										
142·0	144·0	143·0	142·3	12/000	85/000				26	18		100%	
			142·8	16/000	42/090								
			143·1		70/000		75/000						
144·0	146·0	145·0	144·4		65/000		65/000		12	3		100%	
			145·2	10/000	70/090								
146·0	148·0	147·0	146·2	7/000	60/060				15	7		100%	
			147·4	8/000									
			A few joints to the top of the interval where the core is broken up but nothing below 146·4 metres. No veining at all over this interval.										
148·0	150·0	149·0	148·5	17/000			72/175		9	–		100%	
			149·0				30/000						
			149·6		64/000								
			Becoming silty towards the base of the interval										
150·0	152·0	151·0	150·1	12/000	55/070		30/180		15	–		100%	
			151·1		30/000								
			151·7		63/000		63/000						
152·0	154·0	153·0	152·3				65/000		8	–		100%	
			153·0	12/000									
			153·4	21/000	36/000								
			153·8	17/000	70/000		70/000						

STRUCTURAL LOG — DIAMOND DRILL HOLE

UTAH DEVELOPMENT COMPANY
(Exploration Department)

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HOLE NO. CD005
Sheet No. 9 of 9

DEPTH			Measurement	Bedding	Joints	Foliation	Intrusives	Shears	DISCONTINUITIES			Estimated core recovery	Rock strength
From	To	Datum							N	L	L/12 x 100		
154·0	156·0	155·0	154·3	23/000	-		~~stars~~		17	5		100%	
			155·2	39/000	59/310		35/085						
			Bedding slightly steeper throughout than most other intervals										
			Few joints or veins over this interval										
156·0	158·0	157·0	156·8	24/000	60/270		57/040		>50	>50		100%	
			157·1	22/000									
			Very broken up for most of interval particularly after 156·8 metres										
			Once again bedding steeper than earlier intervals										
			Very little quartz veining										
158·0	159·2	158·6	158·2	22/000	46/320		74/020		5	-		100%	
	E.O.H.		Dominantly siltstone throughout										
			A few quartz veins - very few are rare joints										

APPENDIX 6

CP001L : heterogeneous, compact and partly colloform aggregate of at least two species of MnO, probably the Ba-rich variety hollandite and K-Ba variety cryptomelane (± anomalous Co, Cu, Zn);
(these species need to be confirmed by x-ray if critical).

This sample consists of a massive texturally heterogeneous aggregate of manganese oxides of at least two and possibly three varieties.

The most abundant species occurs in vaguely zoned irregular patches of fine fibrous aggregates grading to compact aggregates of bent fine prisms. Optical properties of this species suggest that it is hollandite, a barium-rich manganese oxide with a generalised formula $MnBaMn_6O_{14}$.

A subordinate amount of a second manganese oxide species consists of very tough, extremely compact fine fibrous material in crudely colloform patches, with optical properties to indicate probable cryptomelane $A \leqslant_2 B_8O_{16}$; A = K some Na and Ba, B = Mn^{4+} some Mn^{2+} trace Zn, Cu, Co, however by optics alone this is difficult to distinguish from psilomelane.

Veins of an apparent third species of manganese oxide cut through areas of the two described above, also forms colloform rims around some patches. Minor quartz veins are present.

CP002L : very thin bedded, silt to very fine sandstone;
weakly arkosic, moderately dolomitic, sericitic
and biotitic;
accessory oxidised fine pyrite.

This is quite a homogeneous, laminated to thin-bedded, low grade metamorphosed sedimentary rock, with the majority of the detritus of silt size but several beds of very fine to fine grained sand-size material.

Almost all layers consist of an evenly mixed aggregate of weakly felspathic quartz silt and carbonate in subequal abundance, with minor metamorphic biotite (10 - 12%), lesser sericite and very fine oxidised pyrite (2 - 3%) fairly evenly scattered throughout. Staining indicates that the carbonate is probably dolomite.

Some of the finer silty layers lack carbonate, and have a relatively greater proportion of carbonate. The common alignment of the sericite (S_1 cleavage) is parallel to the bedding. Patches of intense limonite-staining $\pm$ manganese oxides occur locally along the bedding, and are manifest as dendrites on the exposed bedding planes in hand specimen.

CP004L : more-or-less bimodal, very fine felspathic sandstone to lesser coarse felspathic sandstone, low grade metamorphosed to felspathic quartzite.

Macroscopically, this is a massive quartzitic rock, in thin section, it is seen to be weakly bedded. About 65% of the sample consists of a compact aggregate of quartz grains minor plagioclase and k-spar (each 5 - 7%) all with a size range of 0.1 mm to 0.25 mm. Although these are originally detrital grains, they have been low grade metamorphosed and the quartz weakly recrystallised to form a fine quartzitic aggregate.

Minor fine detrital muscovite, accessory fine detrital grains of Fe-Ti oxide, lesser tourmaline and rare zircon have a bedded distribution throughout.

About 35% of the rock consists of noteably coarser grains, 0.3 mm to 0.6 mm, subangular to sub-rounded and composed of quartz, minor K-spar and plagioclase. Minor composite quartz-felspar grains are present.

CP005L : moderately sericitic and weakly schistose, very fine to medium grained meta-quartzite; minor extremely fine grains of altered rutile, rarer ilmenite, rare-trace chalcopyrite and pyrrhotite disseminated through the siliceous/sericitic matrix.

Subrounded to rounded grains of quartz ranging in size from 0.05 mm to 0.3 mm, form a fairly compact, vaguely bedded aggregate. Weakly schistose metamorphic sericite to fine muscovite is ubiquitous throughout intergranular areas, intimately mixed with diffuse apparent metamorphic quartz which is finer than the discrete very fine sand size detrital grains noted above.

This matrix forms about 25% of the rock, and represents original silty, pelitic sediment within the sand, now reconstituted. Accessory detrital muscovite and tourmaline are scattered.

Very fine (0.01 to 0.05 mm) opaque to near-opaque grains are dispersed through the matrix to form about 3% of this rock. These were identified in reflected light as rutile and rare ilmenite, partly altered to leucoxene. Rare-trace minute grains of chalcopyrite and pyrrhotite occur locally.

CP006L : weakly sericitic and weakly schistose, fine to coarse grained metaquartzite, minor extremely fine grains of titaniferous-oxide dispersed through the siliceous/sericitic matrix.

This rock has a similar composition to CP005L however the detrital quartz grains which dominate it are coarser and more abundant than in CP005L, also the amount of extremely fine siliceous/sericitic matrix correspondingly is less abundant.

It consists essentially of a fairly homogeneous, compact and vaguely bedded aggregate of quartz grains ranging in size from 0.1 mm to 0.4 mm. The original detrital grains were sub-rounded, however grains boundaries now show evidence of metamorphic reaction with the matrix and adjacent grains to become incipiently sutured and to produce a quartzitic aggregate.

An intergranular matrix of diffuse extremely fine quartz mosaic, intimately mixed with a similar amount of weakly schistose sericite and fine muscovite, form 10 - 15% of this rock.

Extremely fine grains of near-opaque, dark brown limonite $\pm$ leucoxene and rare rutile are dispersed through the matrix, to form possibly up to 3% of the whole rock, apparently as oxidised equivalents of the dispersed, altered ilmenite/rutile in CP005L. Bands of limonite staining occur locally.

CP047L : schistose, very fine grained, muscovite felspathic quartzite;
minor scattered poikiloblastic grains of limonite-stained dolomite, with rare pyrite in some :
(meta, dolomitic pelitic, very fine grained arkose)

The bulk of this rock is dominated by a compact "quartzitic", granuloblastic aggregate of quartz, minor albite and K-spar grains, average and fairly consistent grain size 0.1 mm. Individual flakes of fine muscovite and more extensive, discontinuous shredded foliae of fine muscovite occur in greater and lesser concentration to form lenticular layers throughout this aggregate. Accessory grains of tourmaline and dolomite are scattered.

The prominent brown spots about 2 mm across, scattered to form about 10% of the sample, consist of irregular, skeletal/ intergranular to virtually poikiloblastic grains of ferroan-dolomite, selectively oxidised or stained by limonite to give the brown colour.

Three of these spots in the sectionincorporate small crystals of authigenic pyrite, but this forms $<<1\%$ of the whole rock, and there is no evidence of any other sulphides existing or pre-existing.

Pontifex & Associates Pty. Ltd.

0275

TEL. 332 6744
A.H. 31 3816

26 KENSINGTON ROAD, ROSE PARK
SOUTH AUSTRALIA

P.O. BOX 91, NORWOOD
SOUTH AUSTRALIA 5067

MINERALOGICAL REPORT NO. 4336

23rd July, 1984

TO:	Mr. S. Brady Utah Development Co. Ltd., 186 Main Road, BLACKWOOD S.A. 5052
YOUR REFERENCE:	Your memo dated 13.6.84
MATERIAL:	Drill core samples
IDENTIFICATION:	CD001 series, 012.6 to 156.8 m
WORK REQUESTED:	Thin section, description, macrophotos, photomicrographs.
SAMPLES & SECTIONS:	Returned to you with this report.

PONTIFEX & ASSOCIATES PTY. LTD.

CD001/012.6/0.1L : fine to medium grained, biotite-matrix rich, felspathic quartz sandstone, intercalated with quartz, sericite, biotite, silty pelitic facies;
sparsely fine pyritic?

Regular to quite irregular/disturbed beds of medium sand size of darkish grey-green colour form about half of this core samples, and they are intercalated with similar beds of siltstone, and a fawn-grey colour.

Petrographically most of the darker layers are seen to consist partly of a very loose packed aggregate of subrounded to rounded grains of quartz and minor felspar, also accessory detrital muscovite. Average grain size is about 0.15 mm.

These occur in a matrix (40% of the layers) of generally decussate brownish-green biotite mixed with minor quartz-felspar silt, and sericite.

Some thinner darker layers consist essentially of the same biotite as tongues or lenses in siltstone.

The paler fawn-grey layers consist of massive, intimately mixed, clay-sericite, subordinate pale biotite and quartz (?felspar) silt. Extremely fine leucoxene and/or limonite are dispersed and at least some limonite appears to be after extremely fine pyrite. Rare microclots of biotite are present.

The biotite appears to be metamorphically derived from Mg-Fe-rich clays, possibly with some metasomatism, but without specific directional stress, since there is no schistosity.

CD001/030.5/0.12L : irregular bedding contact between oxidised (?pyritic) sericitic siltstone with ill-defined clots of biotite;
and a silty sericitic pelitic facies with more definite ovoid clots of biotite;
sericite and clots aligned in metamorphic plane along core axis.

This core shows an irregular (wavy) bedding plane contact at right angles to the core between a massive fairly homogeneous sericitic pelitic facies, and a similar facies except for small (1 mm) ovoid dark spots, commonly oriented along the core axis.

About 85% of the relatively homogeneous massive bed consists of quartz silt thoroughly mixed with sericite which is weakly aligned in the direction of the core axis; with minor, extremely fine 'spots' of limonite dispersed (some of which may be after pyrite). Greenish-khaki biotite forms about 15% of this rock in very poorly defined clots, vaguely aligned along the axis direction.

The spotted bed, is also dominated by a sericitic matrix, but with less silt, but the clots of greenish-khaki biotite are more prominant and better defined ovoid patches, with their long axis along the core axis. Some have a core of ultrafine quartz ± fine muscovite. These clots appear to be incipient porphyroblasts.

Extremely fine discrete grains of limonite are dispersed, and as noted above, at least some appears to be after pyrite.

CD001/038.8/0.1L : massive, fine to coarse sandstone;
weakly felspathic with accessory oxidised magnetite and rare pyrite;
fairly extensive matrix of silty, sericitic and biotitic pelitic sediment, with dispersed limonite probably partly after extremely fine pyrite.

This core includes essentially the same (original) sedimentary facies as seen variably at 012.6 and 030.5, but the rock is less oxidised, indeed sparse accessory pyrite is present, (as well as more abundant partly oxidised magnetite crystals).

About 75% of the rock consists of a massive, very loose-packed and rather poorly sorted aggregate of subrounded to rounded grains of quartz rare plagioclase and detrital muscovite ranging in size from corase silt to rarely 0.5 mm (coarse sand).

The remaining 25% of the rock is essentially a matrix of silt mixed with sericite, greenish-khaki biotite, dispersed leucoxene and extremely fine limonite. Euhedral crystals of magnetite (2 - 3%) almost all oxidised to hematite, and up to 0.3 mm in size, are scattered throughout. Relatively trace pyrite crystals of the same size are also present.

The sericite is very weakly schistose to decussate, the biotite is decussate and locally clustered into very small clots.

This facies is in contact with a weakly silty, pelitic sediment, at one end of the section, the same as the paler coloured beds of 012.6.

CD001/055.4/0.1L : silty, sericitic, very low grade metamorphosed pelite, weakly biotitic including biotite-rich laminations; stringers of adularia ± pyrite

Basically, this very fine sediment is equivalent to the silty/pelitic sedimentary beds in samples above, except that the biotite component is less, and the biotite which is present is fine pale brown, rather than the generally coarser, greenish-khaki biotite above,

The rock consists basically of a fairly homogeneous, massive mixture of sericite (?including sericitic-clays) and quartz silt in subequal abundance, with minor extremely fine brown biotite and rare leucoxenitic dust dispersed. The sericite has a vague common orientation at about 45° to the bedding.

Weakly defined laminations are manifest by relative concentrations of the fine pale brown biotite (20% of these layers), and coinciding slight increase in the leucoxenitic-dust.

Rare small (0.8mm) clasts of claystone, of diffuse quartz micromosaic, and rare irregular-porous grains of pyrite are scattered. A stringer of adularia ± pyrite cuts across the bedding.

CD001/093.0/0.1L : massive, biotitic and sericitic, dolomitic-siltstone;
incorporating minor fine to coarse sandgrains, rare small clasts (?dropped pebbles) and accessory small pyrrhotite grains.

With the exception of an apparent dropped pebble, and minor scattered sand grains, this is a homogeneous, mixed silty-pelitic-carbonate sediment (very low grade regionally metamorphosed). Basically the bulk of the rock consists of a fairly compact aggregate of quartz (50%) minor plagioclase (?10%) and dolomite (20%) all of similar grain size, with sericite (10%) and pale brown biotite (10%) and rare chlorite, weakly oriented oblique to the core axis, and probably representing bedding.

Fine to coarse size, subrounded quartz grains, are randomly scattered to form 5 - 10% of the rock but with no clear evidence of bedding.

The single ovoid clast, 6 x 10 mm is derived from a partly recrystallised and sericitised quartzo-felspathic crystalline rock, (?granitoid).

Brown decussate biotite $\pm$ minor associated chlorite occurs in and around the margins of this and although it has the same colour as the biotite in the host sediment (which is low grade metamorphic) this biotite in the clast is essentially inherent to it. There is no noticeable distortion of the host sediment around this clast.

Accessory small irregular grains of pyrrhotite are scattered, and occur in the clast, also are locally clustered in another small tabular clast of metasediment.

CD001/156.8/0.1 L: weakly bedded, weakly sandy pelitic biotitic and dolomitic silt stone, including minor pebble beds with clasts of quartz-felspar, quartz and micritic dolomite ± biotite and pyrrhotite.

This represents a similar facies as at 093.0, but with slightly more coarse sand grains, and slightly more small clasts, in a poorly defined bed; also slightly less carbonate and less sericite.

The bulk of the rock consists of a compact aggregate of silt to fine sandsize grains of quartz (50%), minor plagioclase (?10%) dolomite (10 - 12%), biotite (10 - 15%), sericite (5 - 7%), lesser chlorite and leucoxenitic dust. The biotite is rarely in very small clumps.

Fine to rarely coarse (0.5 mm) subrounded quartz sand grains form about 10% of the whole rock and their distribution defines a weak bedding at about 45° to the core axis.

A small pebble bed is manifest as several clasts up to 6 mm. in size scattered along one layer. Some of these consist of allotriomorphic, sericitised-felspar ± quartz, micas and pyrrhotite (as in the clast at 093.0), others consist of fine quartz mosaic ± carbonate and/or pyrrhotite, and numerous clasts of micritic dolomite are also present. One quartz felspar clast is surrounded by pale brown biotite (as in 093.0).

Rare trace small irregular grains of pyrrhotite are scattered independently through the rock.

APPENDIX 7

DIAMOND DRILL HOLE COMPLETION REPORT

HOLE NO. CD001 0283

PROJECT. EL.1102

LOCATION. COPPERLINKA MINE

GRID CO-ORDS. CP6413050/429450E

CORE RECOVERY. 98.8%

AZIMUTH. 075°M

DEPRESSION. 60°

DEPTH. 179.5 metres

PRECOLLAR. 2.25 metres

COLLAR R.L. -

DATE COLLARED. 17th May, 1984

DATE COMPLETED. 21st May, 1984

DRILLING CONTRACTOR. Peter Nitschke Drilling Pty. Ltd.

DRILLING RIG. Longyear 38

CORE SIZE. 2.25-179.5 metres: HQ

NO. SAMPLES COLLECTED. 178

NO. SAMPLES ASSAYED. 178

NO. PET. SPECIMENS. 6

SAMPLES ASSAYED BY. Comlabs Pty. Ltd.

ASSAY METHOD. XRF1: As,Ba,Sb Ag: AAS3
AAS1: Cu,Pb,Zn,Co. Au: AAS5B

ASSAY SHEET NOS. COM841140

HOLE SURVEYED BY. Contractor

SURVEY INSTRUMENT. Eastman

HOLE DEVIATION. 5½°

CHANGE IN DIP. 1°

NO. SURVEY READINGS. 4

NO. CORE ORIENTATION READINGS. 2

STRUCTURAL LOG. M.Dugmore. S.Brady

GEOLOG. S. Brady

CORE PHOTOGRAPHY. S. Jarrett; M. Cooper

ECONOMIC MINERAL SPECIES. Pyrite

HOST LITHOLOGY.

Grampus Quartzite	0-58.3 metres
Pepuarta Tillite	58.3-179.5 metres

GENERAL COMMENTS.

CD001 was drilled adjacent to a known gold occurrence (Copperlinka Mine) which is situated near the Grampus Quartzite/Pepuarta Tillite contact. The lode at the surface appears to be discordant and this is verified at depth where it is evident that it is neither concordant nor stratabound. Copperlinka Mine was worked mainly between 1910 and 1911 with recorded production being 168 tonnes of ore yielding 3457 grams of Au at 20.5 gm/t.
Lode material was intersected close to the target depth predicted, occurring from 137.2 to 137.6 metres and 138.0 and 138.5 metres. Unfortunately it appeared unmineralized and returned negligible geochemical assays. No special samples were taken of the lode material.

ADDITIONAL COMMENTS SHEET.

MINERALIZED INTERSECTIONS

N.b. These intersections and comments are not compiled with any of the Engineering constraints, but are listed to aid geological interpretation only.

From (m)	To (m)	Thickness (m)	Au ppm	Unit
137.2	137.6	0.4	<0.005	
138.0	138.5	0.5	<0.005	

DIAMOND DRILL HOLE COMPLETION REPORT

0285

HOLE NO. CD005

PROJECT. EL.1102 - Copperlinka

LOCATION. Two Mile Dam.

GRID CO-ORDS. CP143350N/435270E

CORE RECOVERY. 100%

AZIMUTH. 345°M

DEPRESSION. 60°

DEPTH. 159.2 metres

PRECOLLAR. 4.20 metres

COLLAR R.L. -

DATE COLLARED. 26.8.84

DATE COMPLETED. 29.8.84.

DRILLING CONTRACTOR. Peter Nitschke Drilling Pty. Ltd.

DRILLING RIG. Longyear '38

CORE SIZE. 4.2 - 159.2m HQ

NO. SAMPLES COLLECTED. 156

NO. SAMPLES ASSAYED. None

NO. PET. SPECIMENS. None

SAMPLES ASSAYED BY. -

ASSAY METHOD. -

ASSAY SHEET NOS. -

HOLE SURVEYED BY. Contractor

SURVEY INSTRUMENT. Eastman

HOLE DEVIATION. 5° to the west.

CHANGE IN DIP. Steepened 5°

NO. SURVEY READINGS. 3

NO. CORE ORIENTATION READINGS. 2

STRUCTURAL LOG. S.T. Mann

GEOLOG. S.T. Mann

CORE PHOTOGRAPHY. S.T. Mann

ECONOMIC MINERAL SPECIES.

None.

HOST LITHOLOGY.

Stacked arenite sequence towards the base of the Tarcowie Silstone. A number of interbedded siltstones and sandstones occur.

GENERAL COMMENTS.

CD005 was drilled to test a sequence of stacked arenites within the Tarcowie Siltstone. These arenites contain cross-laminations, but some are massively bedded. They are interbedded with siltstone. They are considered to represent sediments that were deposited by turbidites and thus fit the turbidite gold model.

ADDITIONAL COMMENTS SHEET.

MINERALIZED INTERSECTIONS

N.b. These intersections and comments are not compiled with any of the Engineering constraints, but are listed to aid geological interpretation only.

From (m)	To (m)	Thickness (m)	Au ppm	Unit

No mineralized intersections.