COMINCO LTD.

EXPLORATION
NTS: 104B-11

COMINCO METALS

ASSESSMENT REPORT

ON

DIAMOND DRILLING

ON THE

JIM 1-2 MINERAL CLAIMS

RECORD NO'S 3602, 3603

LIARD MINING DISTRICT

Latitude: 56°, 40' N Longitude: 131°, 10' W

Work Period: May 15 - July 15, 1992

September 22, 1992

T.W. Hodson, P. Geo

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INTRODUCTION

1.a Summary

The 1992 field program carried out on the Jim Claims consisted of linecutting drill site preparation and 1261.7 metres of diamond drilling in six holes.

Drill targets were located on electromagnetic (EM) and induced polarized (IP) conductors. Drill holes failed to intersect any significant precious or base metal values within the sedimentary and tuffaceous volcanic stratigraphy cored.

1.b Location

The Jim Claims are located 85 kilometres (kms) east of Wrangell, Alaska and 110 kms northwest of Stewart, B.C. Access is via air from Smithers (290 kms southeast), Terrace (290 kms southwest) and Wrangell to a 1500 metre gravel airstrip on the adjacent Snip property (Figure 1).

This property is located in a valley between the Iskut and Craig Rivers (Figure 2) and has an elevation range of (130) metres along the above mentioned rivers to 300 metres on the highest slopes. Vegetation consists of Sitka spruce and hemlock covering the slopes with cottonwood and alder predominant in swampy areas. Devils club occurs as underbrush on the slopes.

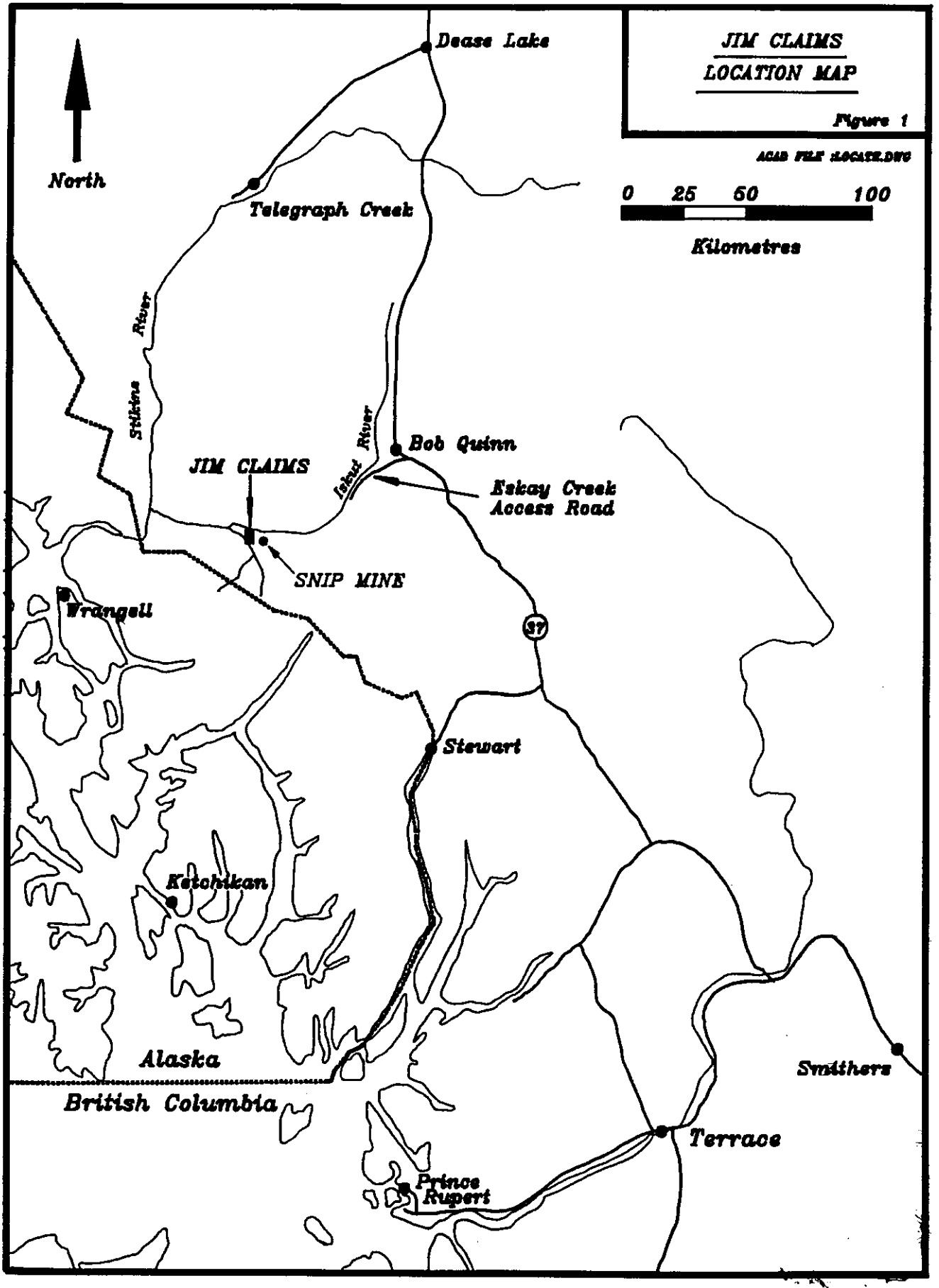
1.c History

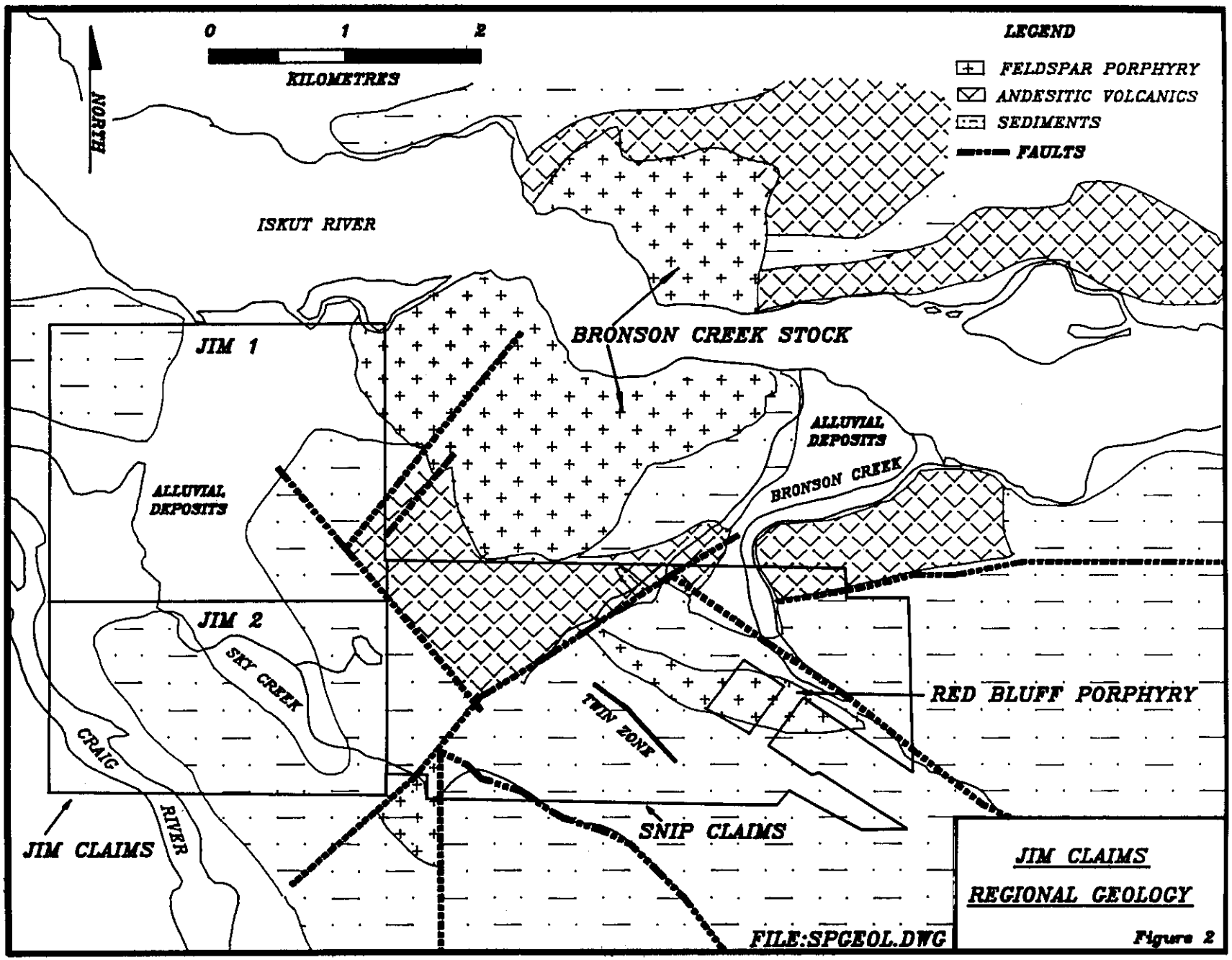
Cominco examined and staked gold-copper showings during 1929 in the Johnny Mountain - Red Bluff area three kilometres to the east. These claims were dropped but restaked in 1964 when a small drill program was initiated to test copper showings on Red Bluff. During the 1964-65 program a gold showing was located on the Johnny nose. This showing was one of two surface exposures of the Twin Zone, the major vein constituting the Snip gold deposit.

In conjunction with the Snip deposit exploration, the Jim Claims were staked in 1986 with a mapping and soil sampling program carried out the next year. The property remained idle until 1991 when further mapping and 80 kms of University of Toronto Electromagnetic (UTEM) survey was completed. In 1992, in preparation for diamond drilling an 18 km induced polarization (IP) survey was carried out.

1.d Current Work

The 1992 program carried out during the period May 15 to July 15, 1992 consisted of 1261.7 metres of BQTK diamond drilling in six holes plus related linecutting, drill site preparation, helicopter support and core logging.


JIM CLAIMS
LOCATION MAP
Figure 1
ACAD FILE :LOCATE.DWG
North
0 25 50 100
Kilometres
Dease Lake
Telegraph Creek
Stikine River
Iskut River
Bob Quinn
JIM CLAIMS
Eskay Creek
Access Road
SNIP MINE
Wrangell
37
Stewart
Ketchikan
Alaska
British Columbia
Smithers
Terrace
Prince
Rupert


0
1
2
KILOMETRES
NORTH
LEGEND
FELDSPAR PORPHYRY
ANDESITIC VOLCANICS
SEDIMENTS
FAULTS
ISKUT RIVER
BRONSON CREEK STOCK
JIM 1
JIM 2
ALLUVIAL DEPOSITS
ALLUVIAL DEPOSITS
BRONSON CREEK
SKY CREEK
TWIN ZONE
RED BLUFF PORPHYRY
CRAIG RIVER
JIM CLAIMS
SNIP CLAIMS
FILE:SPGEOL.DWG
JIM CLAIMS
REGIONAL GEOLOGY
Figure 2

2. GEOLOGY

2.a Regional

GSC mapping by Kerr, 1926 - 1929 and Operation Stikine in 1956 shows the area to be underlain by Permian to Triassic metasedimentary and metavolcanic rocks (Figure 2). Andesite lava and tuff plus argillite and greywacke are the dominant rock types. A large orthoclase porphyry stock of Jurassic age located on the northeast corner of the Jim Claims, intrudes this sequence.

2.b Property

Mapping and diamond drilling have shown the property to be underlain by an apparent conformable, north dipping sequence of fine to coarse sediments and mafic to felsic volcanic tuffs and flows. Intruding the above and only found in the northeast corner of the Jim 1 claims is the Bronson Creek stock, an at orthoclase porphyry intrusion dated by James MacDonald of the MDRU between 205 and 225 ma.

3. DIAMOND DRILLING

3.a Objective

The objective was to test UTEM and IP geophysical anomalies which may represent the westerly extension of the Snip deposit Twin Zone mineralized structure onto the Jim Claims.

3.b Program

During the drill program 1261.7 metres of BQTK core were completed in six drill holes. The contractor was Olympic Drilling and Consulting Ltd. of Delta, B.C. logging of the core was carried out by the author and J.Gee a second year Geological Sciences student at the University of British Columbia. All core is stored at Cominco Ltd. Snip minesite, located 3 km to the west.

3.c Drill logs and Assay Results.

See appendix III and Plate 1.

4. RESULTS

No significant precious or base metal mineralization was encountered in any of the drill holes. Zones of elevated pyrite content and narrow quartz - sphalerite - pyrite - galena veins were cored but, as stated contained no anomalous precious metal (gold) values. The best sample was from drill hole J-92-03 within a felsic agglomerate which returned:

J-92-03 19.0-20.7 metres 4.10 g/t Au; 2.5 g/t Ag; 199 ppm Cu; 71 ppm pb; 234 ppm Zn.

Holes targeted on UTEM anomalies (J-92-1,4,6) encountered significant overburden thicknesses which extended well past the vertical projection of the anomaly. It is therefore concluded that UTEM anomalies resulted from conductive horizons within the overburden.

Holes collared on IP targets (J-92-2, 3, 5) indicate these anomalies typically result from a slightly elevated pyrite content (2-5%) within quartz veinlets, stringers and as disseminated crystals or crystal clusters in lithologist underlying the anomalies. Traces of galena and sphalerite within strings and narrow quartz veins are often associated with these occurrences of elevated pyrite.

5. CONCLUSION

As a result of this program , the possibility of a high grade shear hosted gold deposit similar to the Snip gold deposit existing on the Jim Claims has been greatly reduced. However, further geophysics (IP) is required in areas of extensive overburden to the west of the area drilled.

T.W. Hodson, P. Geo.
Chief Geologist
Snip Operations

APENDIX I

STATEMENT OF EXPENDITURES

Planning, supervision, reporting core logging.	
T.W. Hodson, 10 days @ $400/day	$4,000
J. Gee, 18 days @ $206/day	$3,708
Contractors	
Drill site preparation, linecutting (May 20 - June 15)	$26,725
Diamond drilling 1261.7 metres BQTK (June 17 - July 15)	$59,232
Helicopter (May 20 - July 15)	$24,717
Assays (641 x $20/sample)	$12,820
Total	$131,202

T.W. Hodson, P. Geo.
Chief Geologist
Snip Operations

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, TERENCE WESLEY HODSON of 12426 23rd Avenue, in the Municipality of Surrey, in the Province of British Columbia, do hereby certify that I:

1. Graduated from the University of British Columbia in 1980 with an Honours Bachelor of Science in Geology Sciences, and have practised my profession continuously since that time.

2. Have been engaged as Chief Geologist, Snip Operations with Cominco Ltd. since January, 1992.

3. Have been a member of the Association of Professional Engineers and Geoscientists since June, 1992.

Date: September 20, 1992

T.W. Hodson, P. Geo.
Chief Geologist
Snip Operations.

APENDIX III

DIAMOND DRILL LOGS

Drill Hole Record

Property JIM	District Liard, M.D.	Hole No. J-92-01	
Commenced June 18, 1992	Location	Tests at 0.0m	Horiz. Comp
Completed June 20, 1992	Core size BQU	Corr. dip -60	Vert. Comp.
Coordinates 770 N 2700 E		True Brg. 240°	Logged by TWH
Objectives UTEM Anomaly		% Recov.	Date June/92
		Elevation 100m	

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
0.0 - 52.5	Overburden, none recovered.									
52.5-68.2	Agglomerate	5250	5340	09		663.	1.3	11.	21.	63.
		5340	5450	1.1		9.	6.2	17.	15.	55.
	Light green to green, fine to medium grained andesite matrix, with fine to medium	5450	5560	1.1		902.	1.2	9.	11.	67.
	grained andesite, dacite and rhyolite clasts. Clasts are subangular to subrounded,	5560	5700	1.4		76.	1.6	248.	7.	49.
	range in size from a few mm's to 30 cm in size.	5700	5800	1.0		397.	1.3	122.	8.	59.
		5800	5900	1.0		373.	1.3	114.	14.	48.
	Contains <1% pyrite in fractures and narrow veins. Contains 1% by volume of narrow	5900	6050	1.5		167.	3.6	596.	29.	61.
	quartz-carbonate gashes and extension veins to 1.0 cm thick. Trace of epidote	6520	6670	1.5		151.	1.8	219.	37.	114.
	associated with these veins and fractures.	6670	6780	1.1		109.	3.3	163.	27.	273.
	Locally this unit is well foliated with foliation varing from 30° to core axis angle near the									
	upper contact to 60° near the lower.	6780	6930	1.5		357.	2.7	194.	48.	94.
68.2-72.5	Mafic Tuff									
	Dark green, medium to coarse grained, possible flow. Weakly foliated with upper	6930	7030	1.0		261.	1.3	35.	13.	150.
	contact at 60% to core axis angle. Less than 1% pyrite and <1% gash and extension	7030	7180	1.5		46.	1.1	63.	5.	67.
	veins. Contains 10-20% mafic crystals from 1-5 mm disseminated throughout.	7180	7300	1.2		203.	2.2	146.	7.	60.
	69.3-69.4 10 cm quartz-chlorite-pyrite shear, 1-2% pyrite.									
	69.8-70.3 Quartz-chlorite-pyrite 1% pyrite.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
72.5-79.8	Agglomerate	7300	7380	0.8		110.	1.2	189.	6.	60.
		7380	7500	1.2		69.	1.8	93.	8.	72.
	Dark green to green, strongly chloritic. Clasts are aligned with foliation at 45 °-50 ° to core axis. Pyrite content averages 1%, but varies locally.	7500	7560	0.6		91.	1.0	64.	8.	55.
		7560	7590	0.3		398.	1.1	37.	10.	72.
		7590	7660	0.7		190.	1.4	96.	5.	63.
	73.9-74.3 Chlorite-pyrite-quartz shear.	7660	7720	0.6		163.	3.7	191.	11.	59.
	75.0-75.9 Quartz-chlorite-pyrite shear.	7720	7770	0.5		37.	2.2	16.	8.	49.
		7770	7920	1.5		60.	1.3	71.	9.	66.
79.8-81.9	Mafic Dyke									
	Dark green, aphanitic matrix with 3-5%, 1-2 mm hornblende and 5-10% disseminated feldspar instead crystals, chill margins at top and bottom contacts. Top contact at 40 ° and bottom at 50 ° to core axis.									
81.9-90.8	Felsic Tuff	8190	8300	1.1		288.	1.6	23.	26.	104.
		8300	8440	1.4		292.	1.7	6.	13.	42.
	Grey, aphanitic siliceous tuff (possible flow). Trace pyrite, 1% quart-carbonate veins throughout, well fractured.	8920	9070	1.5		50.	1.1	5.	8.	62.
	81.9-82.8 brown, feldspar altered, grades downhole to biotite, chlorite altered to unaltered.									
90.8-96.3	Agglomerate	9070	9180	1.1		228.	1.4	78.	10.	66.
		9180	9310	1.3		167.	1.8	255.	6.	41.
	Locally light green to light brown or green, Abundant silicious clasts near upper contact with more mafic clasts towards lower contact, trace pyrite. Locally well foliated.	9310	9340	0.3		30.	1.4	86.	9.	37.
		9340	9430	0.9		83.	1.1	25.	7.	54.
		9430	9440	0.1		286.	0.7	122.	9.	124.
	90.8-91.8 Light green, abundant siliceous clasts, 1-2% pyrite.	9440	9590	1.5		85.	1.3	17.	4.	100.
	91.8-93.1 Light brown, biotite altered (?) foliation at 45 ° to core axis.									
	93.1-93.4 Quartz-biotite shear, trace pyrite.									
	93.4-94.3 biotite altered.									
	94.3-94.35 Chlorite-pyrite-quartz shear, 40 ° to core axis.									
	95.2-96.3 Strongly chlorite altered agglomerate or tuff, contains 20% chlorite crystals aligned with foliation.									
96.3-108.5	Felsic Tuff	10180	10330	1.5		1010.	1.0	4.	10.	45.
	Grey, aphanitic, massive, siliceous tuff, possible flow. Well fractured, trace pyrite.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
	Weakly quartz and quartz-carbonate veined throughout, upper contact at 65 ° to core axis.									
108.5-125.8	Mafic Tuff to Lapilli Tuff	11140	11290	1.5		92.	1.1	10.	7.	109.
		11940	12090	1.5		82.	1.5	21.	2.	135.
	Green, medium grained, locally well fractured and quartz-carbonate crackle veined. Trace pyrite, weakly foliated at 50 ° to core axis. Weakly quartz and quartz-chlorite veined. Hematite found with quartz is some crackle veined fractures.	12090	12240	1.5		118.	0.8	12.	1.	127.
125.8-127.4	Fault									
	Significant fault zone with green to light brown altered fault gouge. Chlorite-biotite altered. Subrounded quartz pebbles to 3 cm are seen within gouge over first 1.0 metres.									
127.4-151.9	Mudstone	13070	13170	1.0		100.	1.9	57.	26.	190.
		13170	13310	1.4		184.	1.3	60.	14.	241.
	Black, very fine grained, moderately foliated mudstone with rare inter bedded siltstone. Intensely gash veined parallel to foliation at 30 ° to 45 ° to core axis. Trace pyrite. Gash veins density varies from 3 per metre to 15 per metre and vary from 1-3 mm thick.	13570	13620	0.5		361.	2.0	65.	12.	134.
		13840	13890	0.5		246.	3.3	44.	458.	337.
		13890	14020	1.3		137.	2.4	55.	10.	74.
		14660	14810	1.5		167.	1.9	61.	80.	644.
		14810	14950	1.4		98.	1.5	34.	47.	144.
		14950	15010	0.6		21.	2.2	60.	38.	231.
		15010	15130	1.2		154.	1.6	97.	58.	314.
		15130	15190	0.5		320.	0.3	79.	172.	616.
	131.1-133.1 <1% pyrite as crystal aggregates and foliation parallel stringers.									
	138.4-140.2 Fault, light green, chlorite altered.									
	138.9-139.9 Broken core, gouge, quartz veins.									
	139.9-140.2 Strongly foliated (shear?), chloritic, minor gouge.									
	147.8-148.0 Light brown, feldspar altered.									
	148.0-150.1 Quartz-chlorite shear									
	151.3-151.9 Quartz-chlorite shear, marks lower contact.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
151.9-210.3	Greywacke	15390	15430	0.4		404.	2.9	59.	80.	95.
		15430	15500	0.7		155.	1.6	90.	5.	83.
	Brown, massive, medium to coarse grained. Locally strongly foliated. Weakly quartz extension or gashed veined (1 quartz vein to 1.0cm thick per 30 cm). Locally fragments/clasts to 6 cm seen.	15720	15740	0.2		69.	0.8	38.	15.	45.
		16680	16720	0.4		23.	0.1	34.	38.	102.
		18190	18240	0.5		156.	0.9	126.	23.	38.
		18440	18470	0.3		20.	1.0	13.	15.	54.
	151.8-155.4 Strongly foliated at 43°-50° to core axis.	19240	19390	1.5		20.	1.5	45.	34.	67.
	152.85-153.0 Fault gouge.	19390	19580	1.9		219.	0.5	41.	23.	69.
	153.9-154.3 Quartz-chlorite-biotite shear.	19580	19700	1.2		147.	0.3	34.	23.	69.
	157.2-157.4 Quartz-biotite shear.	19700	19820	1.2		147.	0.3	34.	31.	76.
	167.2-184.4 5-10% 1-2 mm brown crystals or crystal aggregates, possibly biotite.	19820	20000	1.8		137.	0.5	90.	10.	76.
		20000	20160	1.6		111.	0.1	69.	23.	65.
	166.8-167.2 Weak chlorite-quartz shear.	20160	20240	0.8		11.	0.1	37.	11.	62.
	181.9-182.4 Feldspar altered.	20930	21030	1.0		30.	0.5	69.	15.	88.
	191.6-191.62 Quartz-biotite shear									
	193.9-195.8 Weak quartz-chlorite-biotite shear									
	199.5-200.0 Quartz-biotite shear.									
	E O H @ 210.3 M									

Drill Hole Record

Property JIM	District Liard, M.D.	Hole No. J-92-02	
Commenced June 21, 1992	Location	Tests at 0.0m	Horiz. Comp
Completed June 22, 1992	Core size BQU	Corr. dip -60°	Vert. Comp.
Coordinates 1025 N 1800 E		True Brg. 180°	Logged by TWH
Objectives IP Anomaly		% Recov.	Date June/92
		Elevation 99 m	

Metres From To	Description
0 35	Overburden, none recovered.
3.5-64.7	Agglomerate Grey, fine to medium grained matrix and clasts. Clasts are in a felsic matrix, subrounded to subangular, are tuffs, crystal tuffs or rhyolite and range in size from mm's to 30 cm. Weak foliation at 45°-50° to core axis. Pyrite content is 1-3% overall but varies locally to 5% over intervals of 20-30 cm, Locally a pale green (sericitic) colour is seen. Weakly quartz veined. Lower contact is transitional as tuff content increases. *trace ZnS seen at 53.2, 61.8, 63.0 m, trace PbS at 53.2m.* 59.4 - 59.8. fault, gouge plus breccia.

From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
350	500	1.5		75.	0.1	36.	59.	149.
500	650	1.5		26.	0.8	45.	52.	147.
650	800	1.5		692.	0.6	33.	31.	106.
800	950	1.5	1.40	1544.	0.1	42.	24.	94.
950	1100	1.5		74.	0.2	42.	41.	247.
1100	1250	1.5		54.	0.5	28.	151.	477.
1250	1400	1.5		96.	0.3	16.	54.	79.
1400	1550	1.5		36.	0.5	14.	27.	94.
1550	1700	1.5		101.	0.2	18.	45.	139.
1700	1850	1.5		21.	0.9	26.	82.	119.
1850	2000	1.5		84.	0.8	34.	64.	411.
2000	2150	1.5		111.	0.4	32.	24.	123.
2150	2300	1.5		9.	1.1	30.	22.	100.
2300	2450	1.5		186.	18.4	35.	19.	49.
2450	2600	1.5		241.	5.8	43.	19.	32.
3090	3190	1.5		161.	3.2	45.	11.	455.
3660	3760	1.0	1.25	1660.	1.0	81.	5.	176.
3850	3960	1.1	2.40	3462.	1.1	119.	5.	205.
4270	4420	1.5		438.	0.8	78.	2.	118.
4420	4570	1.5		122.	1.0	91.	5.	162.
4570	4720	1.5		299.	1.6	58.	23.	146.
4720	4870	1.5		813.	3.8	14.	151.	304.
4870	5020	1.5		266.	2.3	5.	89.	103.
5020	5170	1.5		213.	0.3	19.	6.	100.
5170	5320	1.5		165.	2.0	67.	142.	156.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
		5320	5470	1.5		58.	3.2	22.	494.	405.
		5470	5620	1.5		14.	1.5	210.	23.	92.
		5830	5880	0.5		171.	1.1	43.	294.	106.
64.7-182.1	Tuff									
	Grey, aphanitic to fine grained siliceous tuff to grey crystal tuff. Rare interbeds of agglomerate or breccia are seen (<1.2m thick). Weakly quartz veined. Pyrite content 1-2% with local intervals (<2.0m) of 2-5% pyrite seen. Weakly foliated to no foliation seen, occurs at 45 ° - 70 ° to core axis. Locally weak feldspar (light brown) or weak sericite (pale green) alteration seen.									
	64.7-86.9 Crystal Tuff	6560	6660	1.0		479.	2.7	201.	9.	63.
		7070	7220	1.5		27.	0.5	20.	6.	66.
	Grey, fine grained feldspar crystal tuff with white feldspar crystals to <1.0 mm in size. Locally feldspar alteration has overprinted core and 2-3 mm feldspar crystals are seen in these sections. Unit is weakly fractured and quartz veined.	7460	7560	1.0		60.	0.7	19.	4.	91.
		8060	8110	0.5		976.	0.9	69.	67.	130.
	70.7-86.9 Light brown to brown, feldspar altered. Alteration is more intense (darker brown) around fractures.									
	80.74-80-80 Quartz-pyrite ZnS vein.									
	86.9-88.2 Tuff to Lapilli Tuff	8690	8840	1.5		223.	1.1	82.	11.	202.
	Grey very fine grained to aphanitic, traces ZnS at 87.5 - 88.1m									
	88.2-103.0 Tuff	9030	9130	1.0		176.	0.7	258.	7.	199.
		9130	9280	1.5		246.	1.6	265.	8.	94.
	Grey to creamy white, aphanitic. Minor banding seen from 88.7-89.6m at 45 °-50 ° to core axis. Pyrite content increases to 1-2% in this well fractured interval.	9450	9570	1.2		239.	1.0	56.	6.	141.
		9870	10020	1.5		186.	1.8	217.	17.	248.
		10020	10170	1.5		235.	2.8	452.	13.	186.
		10170	10320	1.5		52.	2.4	433.	13.	134.
	103.0-105.4 Agglomerate									
	Brecciated to agglomeratic, well fractured, 1-2 % pyrite.	10320	10470	1.5		248.	1.2	110.	18.	223.
		10470	10570	1.0		56.	1.4	106.	14.	130.
	105.4-117.6 Crystal Tuff	11760	11910	1.5		50.	1.2	228.	4.	69.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
	White to creamy white fine to medium grained. White feldspar crystals to 2 mm disseminated throughout, 3% content.	11910	11960	0.5		369.	0.8	281.	2.	65.
		11960	12110	1.5		136.	1.0	239.	10.	76.
		12110	12200	0.9		93.	1.9	397.	3.	73.
117.6-133.1	Tuff	12200	12340	1.4		173.	3.1	686.	12.	99.
		12340	12490	1.5		117.	2.0	404.	15.	82.
	Creamy white, to light brown to grey, aphanitic.	12490	12580	0.9		145.	2.1	321.	20.	97.
		12580	12690	1.1		231.	1.2	285.	4.	71.
	117.6-117.7 Quartz-pyrite-ZnS vein	12690	12840	1.5		160.	0.9	274.	4.	84.
	118.0-124.3 Patchy light brown to creamy brown feldspar altered.	13150	13300	1.5		421.	1.1	270.	11.	91.
	118.0-128.0 Pyrite (2-3%) occurs in veins/stringers, as matrix replacement and along fractures. Interval is well fractured.	13300	13470	1.2		268.	2.6	284.	75.	209.
		13470	13580	1.6		572.	1.6	182.	18.	36.
		13580	13730	1.5		611.	2.4	266.	9.	45.
133.1-136.8	*Agglomerate*	13730	13830	1.0		678.	1.6	252.	7.	41.
		14180	14280	1.0		358.	1.0	314.	8.	111.
	Brecciated to agglomeratic intensely fractured, 2-3% pyrite overall with short intervals (<20 cm) of 5% pyrite. Pale green secicitic? alteration 134.0-134. 2 m, quartz vein density increases 133.0-135.5 m.	14280	14430	1.5		548.	3.7	596.	18.	2100.
		15240	15370	1.3		568.	4.3	258.	79.	269.
		15370	15400	1.7		501.	3.8	358.	58.	176.
136.8-182.2	Tuff	15540	15640	1.0	3.10	1267.	1.0	277.	73.	276.
		15840	15990	1.5	2.40	1140.	2.2	426.	337.	171.
	Creamy white, light brown to grey, aphanitic, weakly foliated.	15990	16150	1.6		693.	2.2	291.	63.	126.
		16310	16440	1.3		827.	3.9	309.	93.	233.
	136.8-145.5 2-3% pyrite, intensely fractured	16610	16770	1.5		384.	2.7	453.	9.	88.
	141.0-145.2 Patchy brown feldspar alteration	16770	16920	.5		295.	2.0	399.	12.	96.
		17140	17290	1.9		384.	1.9	374.	2.	64.
	143.8 ZnS in pyrite, stringers	17290	17480	1.2		285.	2.4	391.	40.	102.
	147.9-155.5 Well fractured.	17480	17600	1.5		376.	2.1	387.	27.	134.
	152.4 Fault	17600	17750	1.0		248.	1.3	167.	159.	474.
	152.4-156.7 Pale green colour, weak sericite (?) alteration	18000	18100	1.1		299.	1.0	173.	397.	272.
	154.4-159.5 Weakly to moderately foliated at 60° to core axis, Fractures predominately parallel foliation.	18100	18210	1.1	3.35	935.	19.4	2826.	5175.	12350.
	159.75-159.85 Quartz-feldspar-pyrite-chalcopyrite-galena vein									
	160.8 Galena-pyrite in quartz healed fracture									
	179.2-173.6 2 x 10 cm pyrite-sericite, foliated bands.									
	181.0-182.1 3 quartz-pyrite-ZnS-Cpy-PbS-pyrrhotite veins from 2 to 10cm thick, parallel weak foliation.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
182.2 198.55	Tuff	18210	18320	1.1		145.	1.0	110.	328.	1125.
		18770	18870	1.0		232.	0.5	333.	79.	455.
	Green to light green tuffs, locally weekly foliated.	19170	19270	1.0		204.	0.5	32.	8.	33.
		19270	19300	0.3		301.	4.9	395.	2807.	9275.
	182.2-188.7 green to light green, intermediate tuff, foliation at 70 °-90 ° for core axis, possible bedding. Mafic (chlorite) crystals/streaks from <1.0mm to 7.0mm seen locally.	19300	19430	1.3		317.	0.5	106.	436.	553.
		19590	19700	1.1		186.	0.5	60.	127.	172.
		19700	19855	1.55	1.52	1526.	2.4	307.	239.	321.
	182.2-184.5 light brown to creamy feldspar altered 183.3-188.4 weakly sheared to strongly foliated.									
	188.7-190.6 green, massive intermediate to mafic tuff (basalt flow). Epidote altered with subrounded epidote patches to 10 cm and narrow veins.									
	190.6-198.55 green to light green, intermediate tuff. Strongly foliated to 195.9 weakly foliated from there to end of hole. Mafic crystals as above still present.									
	192.7-193.0 weak chlorite-quartz-pyrite-ZnS shear 195.9-197.0 bleached, pale cream core. 197.7-198.4 3 chlorite-quartz-PbS-pyrite veins to 0.7cm thick									
	E O H @ 198.55 m									

Drill Hole Record

Property JtM	*District Liard, M.D.*	*Hole No. J-92-03*	
Commenced June 23, 1992	Location	Tests at 0.0m	Horiz. Comp
Completed June 24, 1992	Core size BQU	Corr. dip -70°	Vert. Comp.
Coordinates 725 N 2300 E		True Brg. 240°	Logged by JG
Objectives IP Anomoly		% Recov.	Date June/92
		Elevation 140m	

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
0.0-15.8	Overburden - none recovered.									
15.8-25.6	Agglomerate	1580	1750	1.7	2.28	1909.	3.3	583.	23.	148.
		1750	1900	1.5		423.	2.7	1082.	13.	164.
	Grey, siliceous agglomerate with subangular to angular clasts from 1-5 cm set in a grey	1900	2070	1.7	4.10	4478.	2.5	199.	71.	234.
	to dark aphanitic matrix. Pyrite (1%) occurs along fractures. Locally weakly foliated at	2070	2200	1.4		623.	1.4	101.	588.	516.
	50 ° to core axis.	2200	2260	0.6		968.	2.6	381.	80.	590.
		2260	2420	1.6		959.	1.6	220.	2.	64.
	22.0-24.0 White beached core weak feldspar alteration.	2420	2560	1.4		580.	3.4	416.	316.	554.
	22.6 Fault, minor gouge.									
25.6-47.8	Crystal Tuff									
		2560	2700	1.4	0.30	1302.	4.1	19.		29.
	Grey to light grey, fine grained, siliceous crystal tuff with white or grey feldspar + quartz	3260	3360	1.0		478.	0.8	108.		42.
	to 1 x 3 mm disseminated throughout. Crystals locally elongated parallel to the weak	3830	3900	0.7		450.	0.9	62.	19.	87.
	foliation at 45 °-50 ° to core axis. Pyrite (<1%) along fractures.	4720	4780	0.6		405.	1.9	216.	193.	150.
47.8-49.0	Mafic Dykes	4780	4900	1.2		494.	0.3	22.		125.
	Dark green to black, fine to medium grained, friable dyke. Sharp contacts at 60 ° to core axis marked by 5-10cm chill margins.									
49.0-58.3	Crystal tuff	4900	5000	1.0		405.	1.8	563.		38.
	As 25.6 47.8, still contains streaky (elongated) foliation and disseminated feldspal and quartz crystals. Foliation ranges from 45 °-70 ° to core axis.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
	55.1 trace PbS in quartz-pyrite vein.									
58.3-59.5	Mafic Dyke	5830	5950	1.2		379.	0.5	22.		122
	Same as 47.8 - 49.0, Upper and lower contact at 25 ° to core axis									
59.0-210.3	Crystal Tuff									
		7380	7530	1.5		653.	1.6	225.		190.
	Predominately grey, well fracture, weakly foliated fine grained to aphanitic tuff with white feldspar and/or grey quartz crystals to 1 - 3mm disseminated throughout, pyrite content averages 1%, occurs along fractures or is disseminated.	7530	7680	1.5		412.	3.4	124.		43.
		7680	7830	1.5		759.	2.0	227.		25.
		7830	7980	1.5		267.	5.9	113.	267.	31.
		7980	8130	1.5		239.	2.0	263.	2.	20.
	75.3-81.6 Pale green to creamy white feldspar altered, weakly foliated, 1% pyrite, moderately to strongly quartz veined (stockwork).	8130	8160	0.3		188.	2.0	374.	6.	32.
		8630	8730	1.0		27.	2.6	209.	15.	44.
		8730	8860	1.3		158.	2.2	159.	33.	50.
	86.2-89.0 As 75.3-81.6 m foliation averages 35 °-40 ° to core axis, well fractured and quartz veined, 1% pyrite.	8860	8930	1.3		239.	1.1	92.	15.	66.
		9210	9330	0.7		81.	1.8	205.	27.	51.
		9330	9420	1.2		102.	1.9	161.	15.	44.
	92.1-93.4 White to creamy feldspar-ankerite altered, quartz veined.	9420	9530	0.9		104.	1.7	174.	17.	65.
		9530	9630	1.1		76.	1.1	125.	11.	48.
	93.4-93.5 Fault, gouge, contacts at 20 ° to core axis.	9630	9780	1.0		122.	1.3	117.	20.	15.
		9780	9930	1.5		90.	2.2	115.	9.	41.
	95.3-100.8 White to creamy to brown feldspar altered interval with foliation at 60 °-70 ° to core axis, <1% pyrite, moderately fractured and quartz veined.	9930	10080	1.5		141.	1.8	354.	10.	54.
		10080	10130	1.5		165.	2.3	287.	34.	70.
		10130	10290	0.7		762.	4.0	745.	25.	94.
		10490	10550	1.6		229.	48.7	46.	12175.	9250.
	100.8-102.9 Whitish grey, feldspar altered, <1% pyrite, quartz veined.	10550	10720	0.6		182.	2.9	248.	70.	119.
		10890	11000	1.7		111.	1.4	62.	48.	96.
	102.9-104.9 Quartz-feldspar crystal tuff.	11430	1530	1.1		194.	3.4	40.	221.	471.
		12200	12360	1.0		118.	2.3	7.	28.	98.
	104.9-105.5 1-2% ZnS, PbS along fractures.	12360	12420	1.6		131.	3.4	32.	70.	189.
		12420	12510	0.6		178.	2.3	55.	22	54.
	105.5-107.2 brecciated, with light grey-brown altered clasts, may be in-situ brecciated, 1-2% pyrite, well veined.	12510	12630	0.9		165.	2.8	65.	1800.	750.
		12630	2790	1.2		105.	2.0	32.	16.	61.
		12790	12930	1.6		102.	2.3	44.	15.	71.
	114.3-126.3 Light whitish grey to light grey quartz crystal tuff, 1-2% disseminated pyrite crystal clusters aligned with foliation at 30 °-40 ° to core axis, silicified 121.5 possible weak feldspar alteration 122.5-126.3 m.	12930	13040	1.4		125.	1.6	53.	17.	60.
		13040	13140	1.1		148.	2.7	184.	14.	65.
		13140	13180	1.0		189.	1.5	64.	23.	71.
		13900	13990	0.4		164.	2.7	240.	29.	68.
		14430	14510	0.9		48.	1.9	131.	7.	71.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
	123.6 graphite along fracture.	14980	15030	0.8		126.	1.6	122.	12.	34.
		15030	15140	0.5		108.	1.8	203.	9.	48.
	124.9-125.0 fault gouge.	15140	5270	1.1		157.	20.7	230.	5325.	3275.
		15270	15320	1.3		171.	2.2	244.	91.	116.
126.5-131.4	Creamy to grey, weak feldspar alteration, weakly foliated, moderate quartz stockwork developed, 1% pyrite and trace graphite along fractures.	15460	15630	0.5		113.	2.3	228.	257.	291.
		15630	15780	1.7		47.	2.9	343.	185.	375.
		15780	15920	1.5		129.	2.9	220.	1300.	471.
		15920	16070	1.5		582.	2.2	256.	80.	159.
	127.5 10cm Fault.	16070	16230	1.5		467.	1.7	624.	92.	159.
	130.3 10cm Fault.	16230	16370	1.5		462.	1.6	290.	28.	47.
		16370	16530	1.6		344.	2.0	234.	172.	338.
131.2	Fault 10cm gouge, contacts at 25 °-30 ° to core axis.	17290	17430	1.4		333.	2.1	702.	57.	93.
		17800	17950	1.5		313.	1.5	414.	116.	93.
134.6-134.9	Fault, broken core.	17950	18100	1.5		314.	1.5	288.	80.	90.
		18100	18250	1.5		375.	4.3	362.	1400.	3700.
		18250	18300	1.5		135.	2.5	386.	22.	73.
135.4-144.7	Light grey to creamy to pale green feldspar and sericite altered quartz veined (stockwork), 1-2% pyrite, well fractured.	18300	8430	1.3		128.	1.7	381.	11.	51.
		18430	18600	1.7		181.	2.5	537.	28.	72.
	139.4-139.9 Fault, broken core.	18600	18690	0.9		201.	1.4	232.	9.	45.
		18850	18940	0.9		188.	2.4	35.	1025.	4625.
151.5-154.7	Light grey to creamy feldspar crystal tuff, with traces of ZnS, PbS and graphite along fractures.	18940	19090	1.5		150.	1.3	33.	241.	241.
		19090	19240	1.6		206.	3.2	13.	950.	1775.
		19240	19390	1.5		239.	4.8	61.	1550.	2025.
151.5-151.7	Fault	19390	19490	1.0		334.	22.7	160.	6550.	9 5 0 0
		19490	19640	1.5		212.	1.8	300.	81.	106.
151.7-151.9	Well veined with quartz veins to 2-4 cm.	19640	19790	1.3		94.	1.9	249.	25.	65.
		19790	19940	1.5		431.	2.0	305.	61.	80.
158.5-159.0	Fault, 30 ° to core axis, broken core.	19940	20100	1.6		273.	2.2	574.	89.	95.
		20100	20210	1.1		335.	1.9	679.	110.	309.
161.4-166.3	White to pale green to creamy feldspar/sericite altered quartz stockwork veining, trace ZnS.	20210	20360	1.5		285.	1.1	208.	149.	274.
		20600	20720	1.2		108.	6.4	157.	224.	39.
		20720	20780	0.6		23.	2.8	148.	51.	53x
168.0-169.0	brecciated, angular to subangular white tuff clasts in a grey matrix, weakly sericite altered.									
175.8-178.0	Foliated at 25 °-30 ° to core axis, trace pyrite and ZnS.									
180.7-181.0	Fault, broken core.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
181.0-181.1	2-3 mm ZnS stringer.									
190.5-194.9	Well fractured, moderately quartz veined, traces of ZnS throughout.									
194.6-198.4	Light grey to grey brown feldspar altered, weakly foliated, pyrite and graphite along fractures.									
198.4-198.5	Fault, 20 °-25 ° to core axis.									
198.6-202.7	White to very light brown bleached interval, strongly fractured 1-2% pyrite.									
201.1-203.5	Weak feldspar alteration, sphalerite along fractures.									
205.5-210.3	Grey-brown, feldspar altered, well fractured, quartz stockwork, 1% pyrite, trace graphite along fractures.									
	209.0-210.3 Fault, broken core, light grey, minor gouge.									

Drill Hole Record

Property JIM	District Liard, M.D.	Hole No. J-92-04	
Commenced June 25, 1992	Location	Tests at 0.0m, 244m	Horiz. Comp
Completed June 26, 1992	Core size BQU	Corr. dip -60°, -65°	Vert. Comp.
Coordinates 860 N 2740 E		True Brg. 280°, 252°	Logged by JG
Objective UTEM Anomaly		% Recov.	Date June/92
		Elevation 100m	

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
0.0-46.6	Overburden - 40cm sand an greywacke pebbles recovered.									
46.6-77.55	Greywacke	5215	5315	1.0		122.	1.8	49.	20.	110.
		5315	5335	0.2		21.	1.9	56.	51.	81.
	Brownish - grey, massive, medium grained. Pinkish to purplish tinge to core may indicate brown coloration is due to biotite or feldspar alteration.	5335	5486	1.51		9.	1.8	86.	12.	106.
		5562	5700	1.38		53.	2.4	112.	37.	118.
		5700	5860	1.6		65.	1.7	118.	15.	118.
	52.0-53.9 Silicified greywacke, 10-15% quartz veining.	6740	6830	0.9		223.	1.3	46.	16.	446.
	56.6-63.8 5 - 10% siltstone beds from 0.2 to 2 cm thick, bedding at 65° to core axis.	6830	6990	1.6	.05	1004.	1.3	47.	33.	195.
		6990	7130	1.6		417.	1.2	56.	13.	101.
	63.4-63.7 pale green, sheared interval, 35° to core axis.	7130	7190	0.6	.35	1491.	1.6	32.	61.	363.
	65.85-66.0 dark grey, chlorite altered shear at 30° to core axis.	7190	7320	1.7	.05	1003.	2.0	52.	55.	950.
	67.7-75.8 strongly foliated to shear interval, greyish - brown,	7320	7430	1.1		18.	1.0	44.	785.	267.
	biotite altered, 1% pyrite, trace pyrrhotite associated with	7430	7500	0.7		86.	0.2	60.	41.	97.
	chloritic alteration, foliation at 40°-60° to core axis.	7500	7530	0.3		689.	1.3	16.	12.	44.
	75.8-76.2 greywacke with 10% quartz veins from 0.2cm to 1 cm thick.	7530	7630	1		23.	1.6	72.	7.	66.
		7630	7700	0.7		83.	1.1	74.	16.	70.
	76.3-77.5 fault, 1.0m gouge, rest broken, contacts at 60° to core axis.	7700	7800	1.0		664.	1.3	74.	12.	91

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
77.55-92.6	Fragmental	7800	7900	1.0		679.	1.2	57.	11.	82.
		7900	8040	1.4		11.	0.1	60.	20.	85.
	Grey to light brown with 0.2-10cm grey siltstone and dark brown mudstone subrounded to subangular clasts in a greywacke matrix, weakly foliated.	8040	8130	0.9		110.	0.3	74.	14.	93.
		8130	8220	0.9		273.	1.6	83.	9.	38.
		8220	8300	0.8		273.	1.6	77.	9.	50.
	82.15-82.3 Fault, gouge, contacts at 75 ° to core axis.	8300	8410	1.1		192.	0.5	63.	11.	62.
	84.1-84.13 Fault, gouge, contacts at 70 °-80 ° to core axis.	8410	8515	1.15		153.	0.4	74.	15.	87.
	88.0-89.0 Siltstone bed (clasts?) with bedding parallel to core axis.	8845	8985	1.4		68.	1.6	111.	16.	97.
		8985	9093	1.08		145.	1.6	100.	32.	119.
		9093	9260	1.67		42.	1.5	91.	8.	113.
92.6-95.25	Greywacke/Siltstone	9260	9370	1.1		120.	1.0	88.	12.	122.
		9370	9520	1.5		146.	1.6	85.	12.	110.
	Interbedded sequence of medium grained greywacke and fine grained siltstone. Bedding to core axis 45 °-50 °. Weakly foliated parallel to bedding. 5% quartz veining.									
95.25-99.3	Fragmental	9520	9660	1.7		109.	1.2	86.	10.	101.
		9660	9753	1.95		189.	0.8	79.	10.	48.
	Greywacke and siltstone fragments in greywacke matrix. Clasts are subrounded to subangular.	9753	9895	1.42		164.	0.5	80.	5.	62.
		9895	9580	0.63		197.	0.6	50.	17.	71.
	95.9-96.35 sheared core, 20 °-25 ° to core axis.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
99.3 176.2	Greywacke	9958	10077	1.19		291.	0.9	75.	2.	57.
		10608	10710	1.02		347.	1.8	56.	2.	40.
	Dark grey to green weakly foliated with angular to subangular fragments to 6mm strongly chlorite altered. Pyrite content 1%. Locally sheared.	10710	10880	1.7		210.	1.7	83.	9.	38.
		11500	11610	1.1		53.	1.3	81.	8.	61.
		11610	11758	1.48		12.	1.3	13.	4.	57.
	99.5-99.8 gradational contact between chlorite altered greywacke and fragmental.	11758	11827	0.69		13.	1.0	12.	3.	66.
		11827	11965	1.38		3.	1.0	66.	2.	60.
	107.1 fault, minor gouge.	11965	12050	0.85		3.	0.8	43.	6.	70.
	108.1 5 cm folded quartz vein.	12050	12124	0.74		45.	1.4	88.	3.	66.
	131.45-131.65 moderately foliated 15 ° to core axis.	12124	12253	1.29		3.	1.0	117.	6.	60.
	139.2-176.2 large sheared sequence, weakly quartz veined, well sheared, chlorite altered, trace pyrite, foliation at 45 ° to core axis. Contains 10 quartz chlorite veins from 2-50 cm long.	12253	12350	1.0		34.	1.4	78.	10.	70.
		12350	12483	1.33		7.	0.8	127.	8.	66.
		12483	12620	1.57		29.	1.1	124.	6.	62.
		12620	12744	1.24		71.	1.3	82.	3.	72.
		12744	12847	1.03		89.	2.8	136.	21.	71.
		12847	12960	1.13		192.	2.0	78.	17.	72.
		12960	13060	1.0		107.	1.7	72.	6.	67.
		13060	13120	0.6		92.	1.6	89.	7.	65.
		13120	13255	1.35		219.	0.2	147.	9.	19.
		13255	13390	1.35		173.	0.1	20.	11.	62.
		13390	13550	1.75		317.	0.1	91.	6.	60.
		13550	13627	0.3		225.	0.1	88.	19.	73.
		13627	13710	0.83		305.	0.5	53.	10.	58.
		13710	13780	0.7		521.	0.6	82.	46.	44.
		13780	13900	0.2						
		13900	14030	1.3		20.	1.2	97.	3.	69.
		14030	14100	0.7		20.	1.4	88.	15.	58.
		14100	14230	1.3		62.	1.2	76.	11.	70.
		14230	14343	1.13		27.	1.3	92.	2.	79.
		14343	14445	1.02		79.	1.4	83.	8.	62.
		14445	14590	1.45		20.	1.4	20.	18.	39.
		14590	14744	1.54		42.	1.2	82.	15.	61.
		14744	14915	1.71		20.	1.2	69.	3.	57.
		14915	15030	1.15		20.	1.4	88.	4.	64.
		15030	15150	1.2		711.	0.8	81.	11.	58.
		15150	15270	1.2		647.	0.8	81.	12.	42.
		15270	15400	1.3		410.	0.5	72.	18.	52.
		15400	15560	1.6		423.	0.6	93.	13.	46.
		15560	15670	1.1		332.	0.7	38.	6.	61.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
		15670	15770	1.0		255.	0.9	43.	4.	50.
		15770	15870	1.0		383.	0.6	66.	9.	64.
		15870	16000	1.3		897.	0.7	73.	3.	55.
		16000	16070	0.7		149.	0.7	51.	4.	73.
		16070	16150	0.8		279.	0.6	54.	28.	42.
		16150	16220	1.2		189.	4.8	25.	24.	51.
		16220	16356	1.36		185.	1.9	21.	23.	68.
		16356	16427	0.71		179.	1.3	65.	19.	163.
		16427	16553	1.26		290.	2.1	88.	45.	144.
		16553	16667	1.14		219.	3.2	131.	17.	54.
		16667	16794	1.27		178.	3.5	111.	15.	56.
		16794	16850	0.46		258.	2.2	84.	16.	95.
		16850	16960	1.1		230.	1.1	91.	72.	68.
		16960	17000	0.4		285.	3.6	108.	27.	86.
		17000	17150	1.5		295.	2.6	293.	20.	192.
		17150	17300	1.5		119.	2.7	114.	41.	128.
		17300	17450	1.5		427.	0.9	44.	35.	76.
		17450	17590	1.4		795.	0.9	130.	16.	61.
176.2-238.5	Greywacke/Siltstone									
	Brown feldspar altered interbedded greywacke and siltstone sequence, with local intervals of chlorite alteration. Overall fine to medium grained. Pyrite content (1-5%) both disseminated and along fractures, 3-5% quartz veining in upper portion increasing to 5-10% below 191m. Foliation intensity increases below 191m.	17590	17695	1.05		112.	2.3	94.	14.	206.
		17695	17836	1.41		169.	3.1	108.	57.	206.
		17836	17982	1.46		283.	3.0	105.	44.	168.
		17982	18085	1.03		101.	2.6	132.	10.	32.
		18085	18160	0.75		157.	2.2	87.	10.	35.
		18160	18273	1.13		179.	2.1	113.	14.	56.
		18273	18350	0.77		256.	2.6	46.	13.	71.
		18420	18570	1.5		155.	3.2	67.	40.	125.
		18570	18670	1.0		297.	3.3	330.	47.	150.
		18670	18730	0.6		316.	3.1	162.	64.	128.
		18730	18865	1.35		187.	2.0	60.	41.	168.
		18865	19010	1.45		139.	3.0	69.	114.	234.
		19010	19160	1.5		193.	2.5	102.	74.	125.
		19160	19280	1.2		198.	2.3	109.	27.	63.
		19280	19400	1.2		141.	3.7	134.	171.	316.
		19400	19520	1.2		184.	2.8	119.	18.	107.

191.0-210.0 Strongly foliated to sheared with intervals of 5% pyrite content.

- 197.0-198.0 5% pyrite.
- 205.3-206.0 Chlorite altered.
- 209.7-210.0 Quartz-pyrite-galena vein, 15cm thick.

214.5-214.6 Quartz chlorite-ankerite shear

217.5-219.2 Shear, strongly gash veined, <1% pyrite

221.0-224.8 Weakly chlorite altered.

229.0-230.3 Weakly chlorite altered.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
235.2-236.9	Feldspar altered.	19520	19670	1.5		240.	2.2	118.	51.	125.
		19670	19700	0.3		240.	2.9	120.	70.	135.
		19800	19810	0.2		897.	4.9	445.	33.	53.
		19810	19860	0.5		228.	2.5	44.	16.	57.
		19860	19975	1.15		255.	5.9	369.	44.	96.
		19975	20015	0.5		13.	1.4	122.	17.	45.
		20015	20170	0.55		84.	1.2	69.	13.	83.
		20170	20220	0.5		102.	1.7	100.	41	190.
		20220	20380	1.6		90.	2.9	170.	268.	329.
		20380	20480	1.0		133.	2.8	166.	86.	339.
		20480	20530	0.5		134.	1.1	208.	61.	428.
		20530	20660	0.3	1.10	2392.	1.3	146.	150.	419.
		20660	20790	1.3		193.	1.7	219.	206.	1325.
		20790	20860	0.7		273.	3.7	259.	397.	2925.
		20860	20970	1.1		244.	1.8	46.	86.	406.
		20970	21020	0.5	1.00	1390.	11.2	115.	575.	447.
		21020	21165	1.45		270.	1.9	127.	203.	2075.
		21165	21295	1.3		160.	4.3	144.	1150.	2925.
		21295	21430	1.35		229.	2.8	89.	358.	4025.
		21430	21520	0.9		218.	1.5	31.	85.	325.
		21520	21620	1.0		214.	0.6	19.	10.	304.
		21620	21740	1.2		245.	1.3	52.	20.	429.
		21740	21810	0.7		281.	0.7	50.	21.	145.
		21810	21920	1.1		265.	1.3	38.	15.	108.
		21920	22020	1.0		311.	1.0	41.	4.	92.
		22020	22120	1.0		225.	1.5	20.	9.	91.
		22120	22180	0.6		277.	2.2	201.	23.	282.
		22180	22250	0.35		263.	2.4	398.	20.	262.
		22250	22375	1.5		759.	17.5	6.	21.	113.
		22375	22470	0.95		97.	6.1	4.	19.	98
		22470	22610	1.3		204.	4.1	97.	27.	570.
		22610	22740	1.3		196.	3.3	136.	9.	376.
		22740	22858	1.18		232.	6.3	60.	207.	607.
		22858	22990	1.32		134.	6.0	39.	13.	127.
		22990	23095	1.05		178.	3.5	105.	21.	227.
		23095	23195	1.0		223.	3.3	92.	57.	246.
		23195	23320	0.25		192.	2.7	86.	35.	215.
		23320	23420	1.0		135.	4.2	121.	10.	55.
		23420	23520	1.0		143.	5.1	25.	6.	46.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
		23520	23620	1.0		148.	3.1	41.	8.	45.
		23620	23690	0.7		48.	3.4	19.	20.	188.
		23690	23820	1.3		166.	4.8	112.	159.	563.
		23820	23900	0.8		129.	4.3	21.	35.	145.
		23900	24000	1.0		229.	3.5	15.	4.	101.
		24000	24120	1.2		223.	4.2	158.	14.	364.
		24120	24210	0.9		268.	3.1	40.	4.	90.
		24210	24330	1.2		202.	3.8	48.	61.	92.
		24330	24360	0.3		208.	5.3	42.	3.	60.
		24360	24390	0.3		170.	.3	67.	4.	98.
		24390	24450	0.8		263.	3.6	37.	6.	70.
		24450	24550	1.0		220.	3.8	21.	2.	77.
		24550	24627	0.77		211.	4.3	43.	1.	79.
238.5-246.3	Fragmental	23690	23820	1.3		166.	4.8	112.	159.	563.
		23820	23900	0.8		129.	4.3	21.	35.	145.
	Grey to dark grey, medium grained chloritic, <1% pyrite, foliated at 20°-40° to core axis, quartz-carbonate veins from 1-15 cm with larger veins at 241.2-241.35, 243.3-243.45, 243.9-244.05 m.	23900	24000	1.0		229.	3.5	15.	4.	101.
		24000	24120	1.2		223.	4.2	158.	14.	364.
		24120	24210	0.9		268.	3.1	40.	4.	90.
		24210	24330	1.2		202.	3.8	48.	61.	92.
	E O H @ 246.3 m	24330	24360	1.3		208.	5.3	42.	3.	60.
		24360	24390	0.3		170.	4.3	67.	4.	98.
		24390	24450	0.6		263.	3.6	37.	6.	70.
		24450	24550	1.0		220.	3.8	21.	2.	77.
		24550	24627	0.77		211.	4.3	43.	1.	79

Drill Hole Record

Property JIM	District Liard, M.D.	Hole No. J-92-05	
Commenced June 27, 1992	Location	Tests at 0.0m, 233m	Horiz. Comp
Completed June 29, 1992	Core size BQU	Corr. dip -65°, -72°	Vert. Comp.
Coordinates 250 N 1900 E		True Brg. 210°, 209°	Logged by JG
Objectives IP Anomaly		% Recov.	Date June/92
		Elevation 137m	

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
0.0-3.2	Overburden, none recovered.									
		320	400	0.8		296.	7.9	212.	18.	129.
3.2-33.33	Lapilli Tuff	400	430	0.3		410.	5.2	284.	38.	137.
		430	560	1.3		213.	4.6	165.	26.	157.
	Green to creamy white, intermediate composition with clasts/fragments from 1-10mm. Sixty percent feldspar altered which obscures clasts. Feldspar alteration occurs intermittently throughout with gradational contacts to green chloritic lapilli tuff. Locally well fractured and quartz veined. Pyrite content is high enough to produce the IP anomaly.	560	600	0.4		332.	8.3	40.	49.	128.
		600	690	0.9		213.	2.8	130.	97.	254.
		690	800	1.1		213.	2.2	143.	23.	170.
		800	914	1.14		207.	1.7	165.	17.	221.
		914	1040	1.34		217.	2.2	148.	18.	159.
		1040	1190	1.5		287.	4.8	119.	11.	131.
	3.2-5.6 green chloritic lapilli tuff, 1-3% disseminated pyrite.	1190	1360	1.7		219.	2.5	192.	12.	179.
		1360	1470	1.1		211.	2.2	174.	9.	103.
	4.1-4.15 5 cm quartz carbonate vein rusty.	1470	1510	0.4		212.	2.2	501.	11.	136.
		1510	1610	1.0		216.	3.1	238.	17.	119.
	5.6-7.2 Light green to green lapilli tuff, weakly foliated at 45° to core axis, 3-6% pyrite.	1610	1700	0.9		202.	3.7	204.	12.	120.
		1700	1800	1.0		206.	3.2	240.	18.	142.
	6.4-6.6 weak shear with 6% pyrite, trace ZnS, trace pyrrhotite.	1800	1900	1.0		200.	2.2	107.	13.	129.
		1900	2050	1.5		206.	1.3	34.	14.	106.
	7.2-9.0 White to creamy feldspar altered, alteration is patchy, 1-3% pyrite.	2050	2150	1.0		226.	3.2	224.	24.	120.
		2150	2290	1.4		218.	2.2	227.	49.	273.
	9.0-10.4 Green lapilli tuff, well fractured and quartz-carbonate veined, 1% pyrite.	2290	2370	0.8		204.	1.9	168.	6.	122.
		2370	2520	1.5		202.	1.7	233.	10.	134.
	10.4-13.7 White to creamy feldspar altered, foliation at 50° to core axis, <1% disseminated pyrite.	2520	2640	1.2		212.	2.5	170.	1.	142.
		2640	2740	1.0		248.	3.4	125.	27.	130.
	13.7-14.7 3% disseminated pyrite, well fractured and moderately quartz-	2740	2890	1.5		239.	3.0	200.	14.	150.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
	carbonate veined.	2890	3040	1.5		230.	2.5	236.	32.	152.
	14.7-15.1 Feldspar altered as 10.4-13.7m.	3040	3190	1.5		227.	2.2	296.	17.	140.
	15.1-17.0 Unaltered, as 9.0 - 10.4m.	3190	3330	1.4		222.	4.9	193.	20.	142.
	17.0-18.9 Feldspar altered as 10.4-13.7m, foliation at 60 ° to core axis.									
	18.9-21.4 Green to light green lapilli tuff with alteration increasing with depth, weakly veined, weak chlorite alteration.									
	21.4-22.9 Feldspar altered, white to light green, one 0.5 cm pyrite stringer.									
	22.9-23.7 As 9.0-10.4m.									
	23.7-33.33 White to creamy white to brown feldspar altered lapilli tuff, weakly quartz-carbonate veined and fractured, <1% pyrite.									
	27.1-27.25 Weak chlorite alteration.									
33.33-35.5	Mudstone/Silstone	3330	3430	1.0		236.	4.0	104.	11.	120.
		3430	3550	1.2		245.	1.8	90.	19.	137
	Black and grey rhythmetically banded mudstone - siltstone sequence (turbidetes) beds from <0.1 - 3.0 cm thick, bedding at 75 ° to core axis, no definitive top indicators. Moderately fractured and gash veined, trace pyrite along fractures.									
35.5-36.1	Lapilli Tuff	3550	3610	0.6		252.	2.0	76.	21.	105
	As 3.2-33.33 m. Creamy white feldspar altered, weakly foliated, <1% pyrite.									
		3610	3760	1.5		351.	2.4	85.	199.	138.
36.1-234.68	Mudstone/Sandstone	3830	3950	1.2		224.	4.0	60.	14.	86.
		3950	4030	0.8		234.	5.2	54.	14.	71.
	Inter bedded mudstone to sandstone sequence. Mudstone beds are dark grey to black, well foliated, with bedding at 30 °-40 ° to core axis. Siltstone beds are grey and very fine grained. Sandstone units are grey, medium grained, weakly foliated, content increases downhole. Beds range from <0.1 mm to >50cm for thicker sandstone beds. Weak carbonate (ankerite) alteration throughout. Bedding is predominately kink to wavey banded.	4030	4145	1.15		246.	2.0	47.	11.	84.
		4145	4243	0.98		264.	2.8	70.	31.	116.
		4243	4360	1.17		238.	1.5	87.	6.	131.
		4360	4450	0.9		253.	2.7	90.	13.	122.
		4450	4593	1.43		253.	3.3	90.	26.	128.
		4593	4697	1.04		294.	2.0	86.	25.	77.
		4697	4790	0.93		242.	1.6	96.	16.	93.
	55.0-55.4 Kink banded mudstone with abundant folded quartz - carbonate veins, <1% pyrite.	4790	4843	0.53		242.	1.6	92.	22.	102.
		4843	4964	1.21		52.	11.5	95.	22.	137.
	42.36-42.7 Shear zone at 25 ° to core axis, 1 - 2% pyrite as crystal aggregate and disseminated crystals.	4964	5053	0.89		37.	4.9	98.	44.	308.
		5053	5148	0.95		37.	5.1	97.	49.	85.
	57.2-58.0 Strongly quartz - carbonate veined, <1% pyrite.	5148	5263	1.15		23.	6.8	105.	161.	1000.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
58.8-59.25	Fault gouge, <1 % pyrite.	5263	5395	1.32		47.	8.6	109.	14.	226.
60.0-60.5	Creamy, weakly feldspar plus or minus sericitic altered	5395	5490	0.95		118.	7.8	100.	16.	58.
	sandstone, trace pyrite.	5490	5540	0.50		51.	4.0	86.	15.	87.
60.5-60.7	Fault gouge, 25 °-30 ° to core axis, trace pyrite.	5540	5626	0.86		47.	3.8	100.	11.	45.
69.5	Quartz-carbonate veining within kink banded mudstone increases.	5626	5730	1.04		52.	4.6	89.	15.	63.
72.3-73.45	Fault gouge 30 ° to core axis.	5730	5803	0.73		45.	5.4	92.	19.	63.
81.1-81.7	Creamy, bleached fine sandstone, moderately	5803	5895	0.92		42.	7.4	99.	18.	62.
	quartz-carbonate veined, well fractured.	5895	5930	0.35		29.	3.0	70.	33.	43.
83.3-83.9	Altered as 60.0 - 60.5 m.	5930	6073	1.43		62.	2.2	56.	18.	67.
85.1-85.4	Strongly fractured mudstone and sandstone, 3% pyrite.	6073	6150	0.77		58.	2.5	94.	13.	16.
86.35	5cm pyrite band at 45 ° to core axis.	6150	6260	1.1		50.	4.6	81.	24.	240.
89.8-15.9	Sandstone, poorly sorted, coarse at top of interval,	6260	6390	1.3		54.	3.7	81.	12.	108.
	tops downhole, subrounded to subangular grains.	6390	6512	1.22		30.	1.9	72.	12.	136.
86.2-100.3	Sandstone component increases, grain size increases	6512	6582	0.7		43.	2.2	93.	27.	143.
	to very coarse grained (1-6mm), poorly sorted.	6582	6700	1.18		54.	1.8	83.	17.	116.
87.0	faint grading and load casts indicate tops are downhole.	6700	6740	0.4		64.	3.9	95.	13.	92.
89.-95.9	Sanstone, faint grading indicates tops downhole.	6740	6920	1.8		57.	3.5	93.	12.	91.
100.3-105.0	Interval of finely bedded mudstone to sandstone, beds range	6920	7015	0.95		74.	3.2	90.	18.	89.
	from 0.4 - 20 cm, trace pyrite.	7015	7150	1.35		53.	2.8	78.	12.	126.
105.0-107.6	Altered sandstone, similar to 60.0-60.5 m, poorly	7170	7224	0.54		48.	3.2	87.	11.	95.
	quartz-carbonate veined.	7224	7315	0.91		75.	13.3	91.	22.	74.
107.5-108.0	Graded sandstone, tops downtime	7315	7450	1.35		44.	6.3	61.	38.	112.
112.0-132.0	80-90% Sandstone beds, very thick.	7450	7562	1.12		32.	6.5	69.	25.	142.
117.1-119.3	Very coarse sandstone bed, grains to 1.5 cm, contacts at	7562	7645	0.83		39.	7.0	93.	9.	54.
	30 ° core axis.	7645	7710	0.53		38.	12.4	84.	12.	77.
119.0-121.3	Fine to medium grained sandstone and interbedded	7710	7800	0.90		57.	11.0	93.	61.	3525.
	mudstone, bedding at 50 ° to core axis.	7800	7910	1.10		64.	6.9	83.	18.	71.
132.1-134.3	Bedding sub-parallel to core axis.	7910	8030	1.20		28.	6.8	90.	15.	165
135.0-139.0	Well quartz-carb veined mudstone, kink banded.	8030	8110	0.8		40.	6.1	110.	18.	55.
146.5-156.5	Strongly fracture and broken mudstone proximal to fault	8110	8170	0.6		18.	9.0	30.	12.	137.
	zone with increased quartz-carbonate veining.	8170	8230	0.6		3.	11.3	54.	61.	103.
147.2-148.1	fault, 40 cm of gouge, <1% pyrite.	8230	8338	1.08		39.	1.6	25.	10.	62.
150.25-152.5	Fault gouge, weakly sheared near upper and lower	8380	8420	0.4		44.	2.7	48.	77.	265.
	contacts, <1% pyrite.	8420	8510	0.9		21.	0.6	57.	28.	70.
156.1-156.3	Fault gouge	8510	8550	0.4		38.	6.4	87.	55.	187.
157.6-159.7	Chlorite altered sandstone, pale green, weakly foliated .	8550	8720	1.7		35.	5.0	56.	66.	378.
164.58-165.4	Coarse sandstone, to fine conglomerate, grain size	8720	8850	1.3		6.	0.4	40.	22.	57.
	from 1-10mm.	8850	8880	0.3		29.	9.6	56.	400.	1650.
165.5-169.25	Light brown feldspar to pale green chlorite altered	8880	8945	0.65		15.	0.8	63.	1400.	81.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
	sandstone, <1% pyrite.	9550	9620	0.7		9.	4.3	34.	56.	81.
195.3-208.5	greater than 95% sandstone.	9620	9740	1.2		14.	3.7	37.	29.	130.
199.25-199.7	Fault gouge, <1% pyrite.	9740	9880	1.4		109.	3.1	42.	14.	78.
208.0-211.9	Moderately quartz-carbonate veined, up to 5 cm thick, <1% pyrite.	9880	10020	1.4		27.	0.3	33.	13.	48.
		10020	10080	0.6		7.	1.6	44.	17.	58.
	E O H @ 234.68	10080	10210	1.3		42.	3.1	65.	28.	101.
		10210	10370	1.6		27.	1.0	57.	16.	88.
		10370	10510	1.4		44.	1.8	70.	106.	153.
		10510	10590	0.8		22.	1.0	60.	13.	68.
		10590	10770	1.8		13.	0.1	51.	14.	76.
		10890	10970	0.8		212.	1.2	37.	25.	101.
		10970	11125	1.55		48.	3.1	76.	72.	220.
		11125	11205	0.8		31.	4.1	82.	53.	198.
		11305	11415	1.1		38.	5.3	73.	48.	225.
		11415	11580	1.65		107.	3.6	74.	30.	343.
		11600	11630	0.3		43.	2.4	89.	319.	229.
		11940	12020	0.8		38.	3.8	65.	67.	366.
		12215	12315	1.0		31.	2.5	71.	38.	154.
		12630	12720	0.9		57.	3.0	91.	92.	375.
		12720	12790	0.7		36.	2.6	80.	43.	204.
		12970	13060	0.9		43.	4.5	81.	51.	193.
		13060	13130	0.7		39.	3.9	71.	26.	99.
		13130	13300	1.7		40.	1.6	120.	12.	95.
		13300	13433	1.33		58.	2.1	73.	19.	123.
		13433	13550	1.17		26.	1.1	92.	28.	155.
		13550	13670	1.2		21.	1.5	91.	28.	197.
		13670	13747	0.77		26.	2.1	109.	55.	145.
		13747	13874	1.27		18.	1.8	141.	33.	102.
		13874	13990	1.16		34.	0.7	111.	32.	138.
		13990	14040	0.5		20.	0.8	103.	36.	125.
		14040	14134	0.96		40.	2.2	97.	63.	111.
		14134	14250	1.16		31.	2.9	77.	65.	443.
		14250	14390	1.4		27.	1.0	44.	37.	33.
		14390	14550	1.6		45.	2.4	70.	42.	114.
		14650	14710	0.6		26.	0.4	73.	10.	50
		14710	14830	1.2		25.	0.5	80.	15.	46.
		14830	15000	1.7		22.	0.5	65.	13.	101.
		15000	15150	1.5	0.05	1300.	6.3	63.	18.	108.
		15150	15280	1.3		48.	1.7	56.	23.	94.

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
		15280	15330	0.5	0.05	1462.	1.6	55.	15.	72.
		15330	15400	0.7		112.	1.2	55.	11.	77.
		15400	15540	1.7		904.	1.1	52.	11.	89.
		15540	15660	1.2		99.	1.6	56.	11.	126.
		15660	15820	1.6		396.	2.3	44.	14.	75.
		15820	15980	1.6		73.	1.5	44.	15.	65.
		15980	16060	0.8		166.	2.8	83.	18.	79.
		16060	16100	0.4		35.	1.2	56.	11.	99.
		16100	16140	0.4		50.	5.8	80.	25.	87.
		16140	16220	0.8		114.	1.0	42.	11.	93.
		16220	16290	0.7		36.	1.4	38.	8.	53.
		16290	16400	1.1		479.	1.3	52.	11.	86.
		16400	16440	0.4		961.	1.5	46.	15.	64.
		16440	16530	0.9		128.	2.1	71.	9.	122.
		16530	16570	0.4		130.	2.2	68.	15.	84.
		16570	16620	0.5		170.	1.6	74.	13.	126.
		16620	16780	1.6		313.	2.6	66.	15.	131.
		16780	16920	1.4		58.	2.9	74.	14.	113.
		16920	17068	1.48		58.	2.9	74.	14.	113.
		17068	17100	0.32		53.	3.5	45.	11.	84.
		17100	17210	1.1		146.	1.7	81.	19.	115.
		17210	17270	0.6		148.	8.1	63.	20.	101.
		17270	17300	0.3		125.	8.6	55.	12.	75.
		17300	17360	0.6		133.	0.8	47.	10.	79.
		17445	17485	0.4		125.	2.1	113.	16.	157.
		17485	17605	1.20		124.	1.7	84.	26.	150.
		17605	17710	1.05		127.	1.3	88.	27.	138.
		17710	17830	0.8		138.	1.1	74.	30.	118.
		17830	17940	1.1		126.	0.9	65.	15.	183.
		17940	18100	0.7		127.	0.2	37.	14.	134.
		18100	18200	1.0		118.	0.1	44.	14.	149.
		18200	18350	1.5		112.	1.1	39.	35.	267.
		18350	18410	0.6		115.	0.7	30.	9.	166.
		18410	18480	0.7		115.	0.2	25.	15.	73.
		18480	18574	0.96		119.	0.2	26.	11.	60.
		18574	18630	0.56		126.	0.4	36.	13.	67.
		18630	18740	1.1		108.	0.7	44.	11.	74.
		18740	18887	1.47		119.	0.9	37.	10.	69.
		18887	19030	1.43		116.	0.2	51.	10.	111.

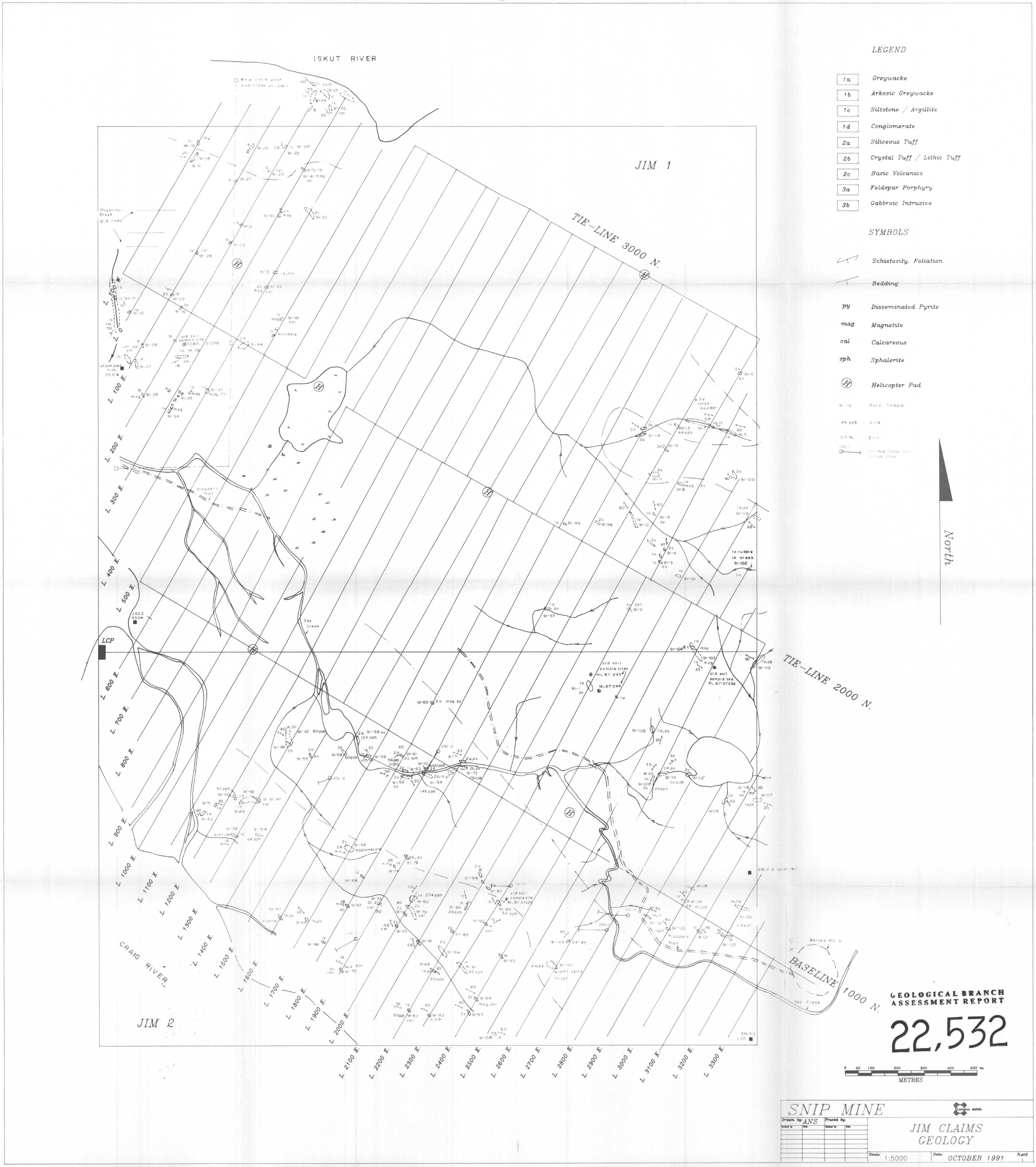
Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
		19030	19110	0.8		112.	0.1	40.	7.	95.
		19110	19165	0.55		122.	0.7	44.	13.	89.
		19165	19210	0.75		142.	0.3	23.	12.	73
		19210	19310	1.0		125.	0.2	27.	20.	194.
		19310	19480	1.7		280.	8.3	61.	21.	91.
		19480	19540	0.6		219.	4.9	29.	14.	83.
		19820	19900	0.8		142.	4.1	27.	27.	183.
		19900	19930	0.3		137.	4.7	46.	47.	391.
		19930	19975	0.45		128.	5.4	29.	24.	162.
		19975	20000	0.25		430.	3.4	28.	20.	171.
		20000	20085	0.85		134.	3.5	44.	20.	116.
		20085	20350	0.77		157.	3.2	33.	19.	90.
		20350	20420	0.7		156.	4.2	30.	9.	58.
		20420	20575	1.55		139.	2.9	27.	27.	95.
		20575	20630	0.55		578.	3.3	26.	9.	53.
		20800	20900	1.0		157.	2.7	33.	74.	274.
		20900	21050	1.5		171.	3.5	81.	33.	139.
		21050	21170	1.2		125.	3.6	64.	41.	210.
		21170	21205	0.35		129.	12.1	82.	30.	138.
		21255	21395	1.40		127.	5.4	73.	29.	166
		21395	21450	0.65		125.	5.0	70.	9.	83.
		21450	21610	1.6		137.	4.3	61.	25.	138.
		21610	21720	1.1		124.	5.8	69.	26.	222.
		21720	21800	0.8		131.	5.0	60.	21.	138.
		21800	21900	1.0		114.	3.4	59.	15.	130.
		22140	22270	1.3		123.	3.2	35.	19.	117.
		22270	22400	1.3		110.	2.8	39.	11.	75.
		22650	22820	1.7		108.	2.7	61.	9.	86.
		22820	22960	1.4		114.	0.2	75.	6.	97.
		22960	23030	0.7		169.	1.1	56.	21.	150.
		23030	23100	0.7		121.	0.7	35.	7.	76.
		23100	23240	1.4		116.	3.0	39.	13.	79.
		23240	23354	1.15		113.	2.5	28.	15.	95

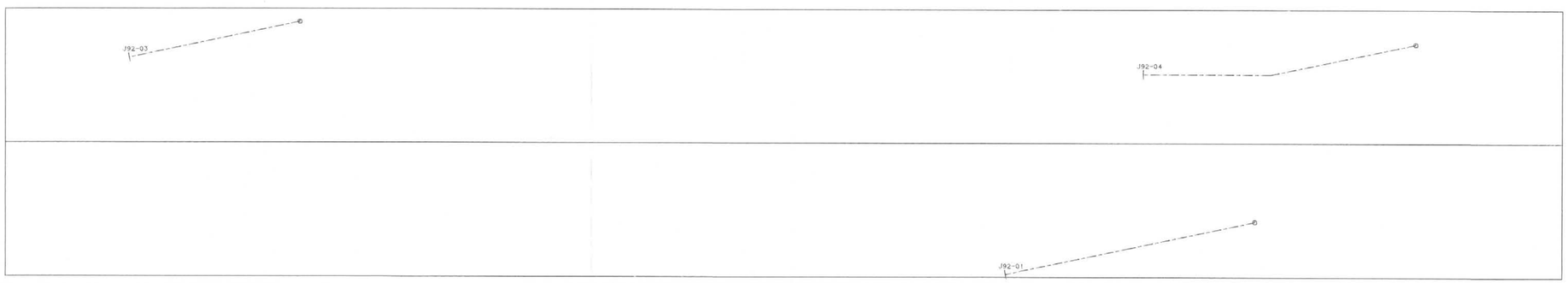
Drill Hole Record

Property JIM	District Liard, M.D.	Hole No. J-92-06	
Commenced June 29, 1992	Location	Tests at 0.0m, 160.1m	Horiz. Comp
Completed June 30, 1992	Core size BQU	Corr. dip -70°, -77°	Vert. Comp.
Coordinates 725 N 1500 E		True Brg. 210°, 224°	Logged by JG
Objectives UTEM Anomaly		% Recov.	Date June/92
		Elevation 95m	

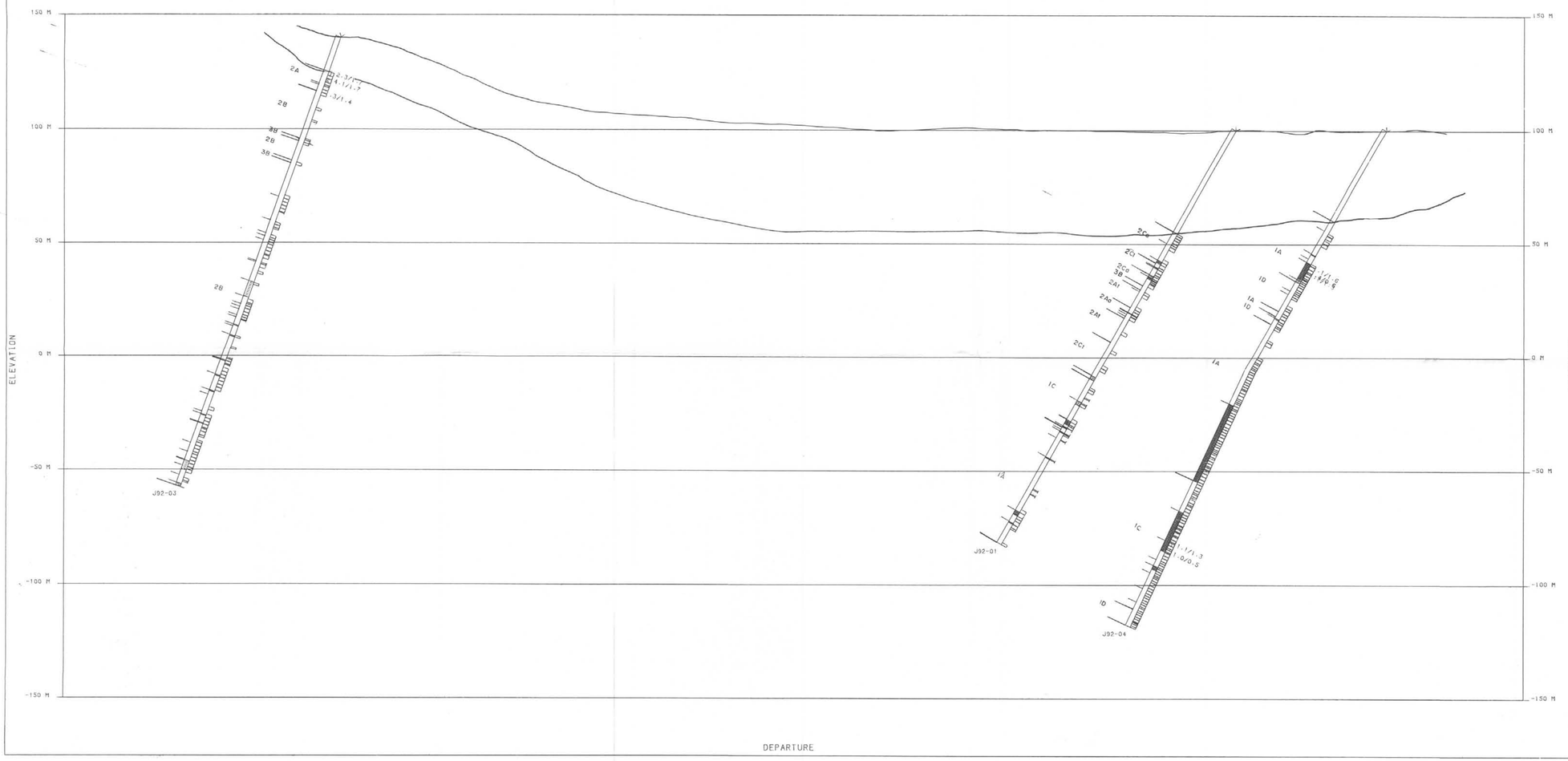
Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
0.0 - 48.4	Overburden non recovered.									
48.161.54	Mudstone/Siltstone/Sandstone	5050	5100	0.5		819.	1.2	48.	4.	67.
		5405	5500	0.5		379.	0.9	85.	1.	100.
	Interbedded sequence of black mudstone, grey siltstone and grey sandstone. Mudstone is typically thin bedded, moderately foliated, moderately to strongly gash and/or extension quartz veined, trace pyrite. Siltstone is grey, thin bedded, fine grained and has a trace of pyrite, Sandstone is medium grained, weakly foliated, trace pyrite and has beds from a few to 50 cm thick. Locally intervals of chlorite or chlorite/feldspar alteration completely obscure the original texture.	5500	5540	0.4		371.	0.3	48.	1.	62.
		5540	5585	0.45		514.	0.9	70.	4.	73.
		5585	5680	0.95		350.	0.6	40.	4.	68.
		5680	5757	0.77		225.	1.5	21.	28.	73.
		5757	5842	0.88		326.	1.7	18.	30.	75.
		6545	6580	0.35		604.	1.2	27.	21.	41.
		7780	7840	0.6		324.	3.8	66.	60.	110.
		7840	7900	0.6		67.	1.4	23.	33.	85.
		7900	7950	0.5		262.	1.4	47.	97.	227.
		7950	8080	1.3		266.	0.5	31.	24.	62.
		8080	8250	1.3		391.	0.9	24.	21.	63.
		8250	8350	1.0		632.	1.2	24.	22.	70.
		9180	9280	1.0		316.	0.8	26.	10.	69.
		9280	9310	0.4		241.	1.2	39.	25.	74.
		9310	9390	0.8		362.	0.8	93.	17.	119.
		10140	10170	0.3		341.	2.0	71.	19.	71.
		10370	10470	1.0		379.	1.1	65.	19.	94.
		10550	10600	0.5		291.	0.9	52.	24.	41.
		10760	10840	0.8		304.	0.8	82.	15.	63.
		10840	10920	0.8		420.	0.7	71.	20.	61.
	48.4-50.3 Light to pale green strongly foliated to mylonitic chloritic sediments. Original texture is completely destroyed by foliation and alteration. Wispy foliation at 50°-60° to core axis.									
	50.3-56.6 Mudstone with minor siltstone/sandstone, contorted bedding.									
	50.8-51.0 quartz vein, trace pyrite.									
	52.0-52-2 fault gouge.									
	55.0-55.2 quartz vein, trace pyrite.									
	56.6-58.5 Inter bedded mudstone to sandstone, minor sandstone clasts in mudstone beds.									

Metres From To	Description	From	To	Length	Au g/t	Au ppb	Ag g/t	Cu ppm	Pb ppm	Zn ppm
58.5-61.0	Grey, medium to coarse grained sandstone, trace pyrite grains from 1-5 mm.	10920	10940	0.2		599.	1.2	65.	22.	81.
		10940	11070	1.3		495.	1.0	62.	18.	79.
61.9-69.6	Black and grey autobrecciated sandstone (debris flow) with mudstone matrix.	11070	11137	0.7		229.	1.2	34.	13.	66.
		11137	11270	1.4		449.	0.8	68.	21.	69.
69.6-93.1	Grey, medium to coarse grained sandstone with minor interbedded mudstone miner in-situ to autobrecciated sandstone with mudstone matrix.	11270	11390	1.2		146.	0.7	86.	15.	67.
		11390	11550	1.6		424.	1.1	76.	19.	77.
		11550	16000	0.5		412.	1.4	152.	15.	63.
77.9-78.3	Feldspar-quartz alteration.	11600	11714	1.14		366.	0.9	74.	20.	50.
93.1-108.5	Well foliated mudstone with 30-40% siltstone/sandstone beds. Foliated at 50 °-70 ° of core axis.	12140	12267	1.27		141.	0.9	75.	23.	54.
		14536	14650	1.14		412.	1.1	52.	14.	49.
		14650	14780	1.3		54.	1.3	73.	13.	70.
101.4-101.6	Fault gouge.	14780	14910	1.2		17.	0.1	66.	9.	73.
		14910	15070	1.6		29.	0.2	59.	8.	136.
108.5-145.3	Strongly chloritic interval, original texture is completely obscured, weakly foliated, trace pyrite, strong chloritic alteration grades into weak feldspar alteration at top and bottom contacts (greenish-brown colour). Foliation at 70 ° to core axis. Locally mafic crystals/clasts to 1 x 3 mm are elongated parallel to foliation, minor epidote alteration, weakly quartz veined.	15070	15220	1.5		620.	0.1	89.	23.	100.
		15220	15370	1.5		166.	0.9	75.	12.	71.
		15370	15455	0.85		46.	0.6	79.	17.	64.
		15455	15570	1.18		21.	0.1	75.	5.	61.
		15863	15970	1.07		125.	0.4	64.	10.	66
145.3-155.5	Brown greywacke to sandstone, weak feldspar alteration, strongly foliated at 60 °-70 ° to core axis, weak to moderate quartz veining, trace pyrite.									
155.5-158.2	Green chlorite altered sediments, well foliated as above, chlorite obscures original texture.									
158.2-161.54	Brown to grey brown altered sandstone siltstone sequence. Not as strongly chloritic or feldspar altered as above two sections, well foliated at 60 ° to core axis, trace pyrite.									
	E O H @ 161.54 m									


ISKUT RIVER
JIM 1
JIM 2
TIE-LINE 3000 N.
TIE-LINE 2000 N.
BASELINE 1000 N.
CRAIG RIVER
Sky Creek
Trapper's Trail
LCP
SNIP 3 (post IN)
SNIP3 LCP
Borrow Pit D
Magenta-Crest grid lines
New claim post overstake on Jim 1
L. 100 W.
L. 0
L. 100 E.
L. 200 E.
L. 300 E.
L. 400 E.
L. 500 E.
L. 600 E.
L. 700 E.
L. 800 E.
L. 900 E.
L. 1000 E.
L. 1100 E.
L. 1200 E.
L. 1300 E.
L. 1400 E.
L. 1500 E.
L. 1600 E.
L. 1700 E.
L. 1800 E.
L. 1900 E.
L. 2000 E.
L. 2100 E.
L. 2200 E.
L. 2300 E.
L. 2400 E.
L. 2500 E.
L. 2600 E.
L. 2700 E.
L. 2800 E.
L. 2900 E.
L. 3000 E.
L. 3100 E.
L. 3200 E.
L. 3300 E.
LEGEND
1a Greywacke
1b Arkosic Greywacke
1c Siltstone / Argillite
1d Conglomerate
2a Siliceous Tuff
2b Crystal Tuff / Lithic Tuff
2c Basic Volcanics
3a Feldspar Porphyry
3b Gabbroic Intrusive
SYMBOLS
Schistosity, Foliation
Bedding
py Disseminated Pyrite
mag Magnetite
cal Calcareous
sph Sphalerite
Helicopter Pad
91-10 Rock Sample
64 ppb Gold
0.5 % Zinc
North
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,532
0 50 100 200 300 400 500 m.
METRES
SNIP MINE
Cominco Metals
Drawn by: ANS
Traced by:
JIM CLAIMS
GEOLOGY
Scale: 1:5000
Date: OCTOBER 1991
PLATE 1



LATITUDE



LEGEND

AU/LENGTH

AU SHADED

GOLD GM/T

	LT 1.0
	1.0 TO 3.0
	3.0 TO 5.0
	5.0 TO 8.0
	8.0 TO 13.0
	GE 13.0

STRIP

DH TRACE

STRIP 1 GEOLOGY

1A	GREYWACKE/SANDSTONE
1C	MUDSTONE/SILTSTONE
1D	FRAGMENTAL/CONGLOMERATE
2A	FELSIC TUFF/AGGLOMERATE
2B	CRYSTAL TUFF
2C	MAFIC TUFF/AGGLOMERATE
3B	MAFIC DYKE LAMPROPHYRE
SHR	SHEAR ZONE
FALT	FAULT ZONE
GOUG	FAULT GOUGE
BL	BLEACHING

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,532

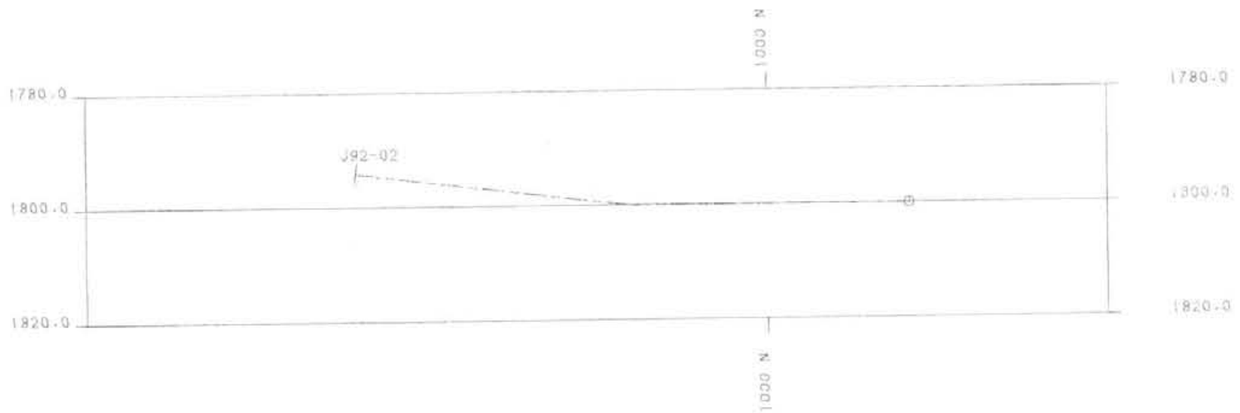
0.0 20.0 40.0 80.0 METRES

CROSS SECTION
N 640.0 E 2200.0 Z 150
640.0 2810.0 -150
XSCALE: 1: 1000. RANGE:
YSCALE: 1: 1000. 55.0
DATE: 11:14 23-SEP-92

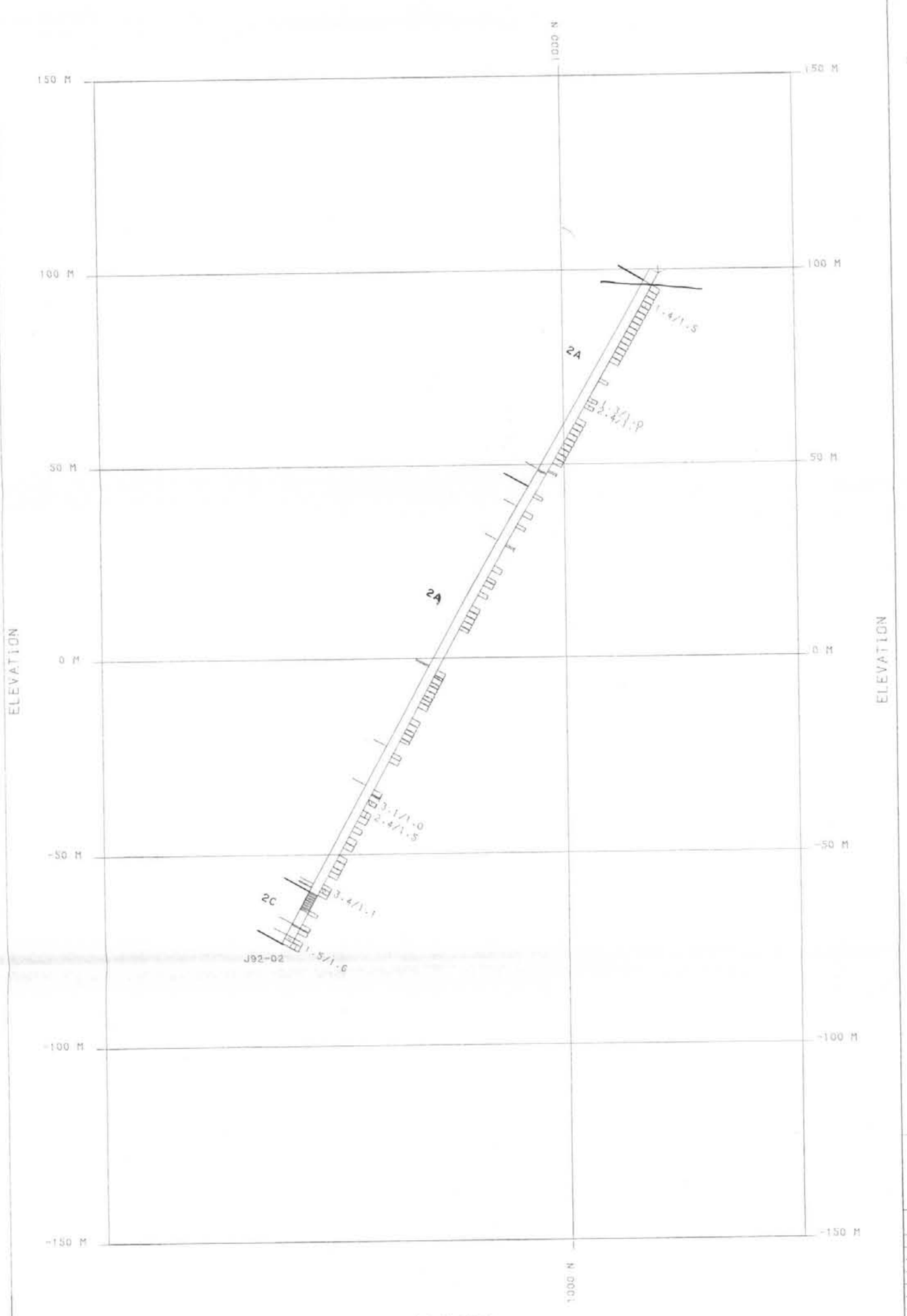
JIM PROPERTY B.C.

Cominco

DRAWN BY: COMINCO GEORES		TRACED BY:	
REVISED BY	DATE	CREATED BY:	
			CROSS SECTION J92-01,03,04
		RANGE: 55.0 M	SCALE: 1 : 1000. DATE: 23-SEP-92 TIME: 11:14:09 PLATE: 2



LATITUDE



LATITUDE

LEGEND

AU/LENGTH

AU SHADED

GOLD GM/T

		LT	1.0
	1.0	TO	3.0
	3.0	TO	5.0
	5.0	TO	8.0
	8.0	TO	13.0
		GE	13.0

STRIP 1

DH TRACE

STRIP 1 GEOLOGY

1A	GREYWACKE/SANDSTONE
1C	MUDSTONE/SILTSTONE
1D	FRAGMENTAL/CONGLOMERATE
2A	FELSIC TUFF/AGGLOMERATE
2B	CRYSTAL TUFF
2C	MAFIC TUFF/AGGLOMERATE
3B	MAFIC DYKE LAMPROPHYRE
SHR	SHEAR ZONE
FALT	FAULT ZONE
GOUG	FAULT GOUGE
BL	BLEACHING

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,532

0.0 20.0 40.0 80.0 METRES

CROSS SECTION
N 880.0 / 1060.0 E 1800.0 / 1800.0 Z 150 / -150
XSCALE: 1: 1000.
YSCALE: 1: 1000. RANGE: 20.0
DATE: 10:47 23-SEP-92

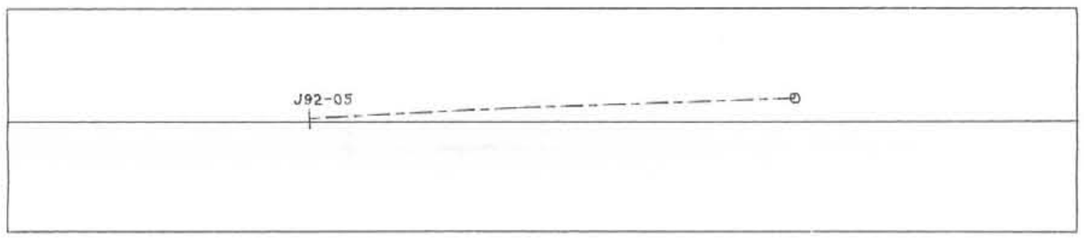
JIM PROPERTY B.C.

Cominco

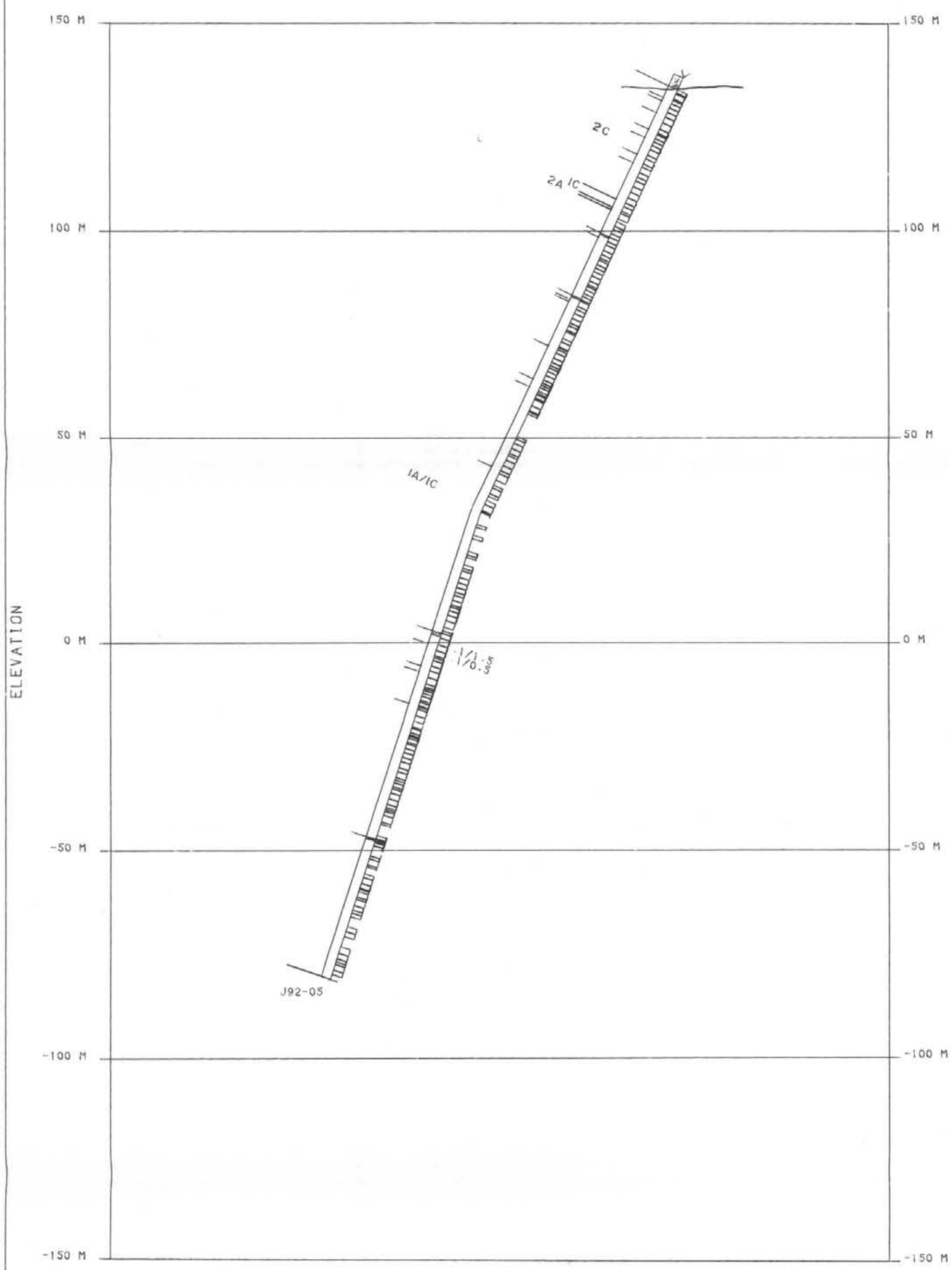
DRAWN BY: COMINCO GEORES
TRACED BY:
REVISED BY | DATE
CREATED BY:
RANGE: 20.0 M

CROSS SECTION
J92-02

SCALE: 1 : 1000. DATE: 23-SEP-92 TIME: 10:47:24 PLATE 3



LATITUDE



DEPARTURE

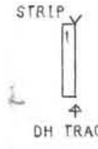
LEGEND

AU/LENGTH

AU SHADED

GOLD GM/T

		LT	1.0
	1.0	TO	3.0
	3.0	TO	5.0
	5.0	TO	8.0
	8.0	TO	13.0
		GE	13.0



STRIP 1 GEOLOGY

1A	GREYWACKE/SANDSTONE	
1C	MUDSTONE/SILTSTONE	
1D	FRAGMENTAL/CONGLOMERATE	
2A	FELSIC TUFF/AGGLOMERATE	
2B	CRYSTAL TUFF	
2C	MAFIC TUFF/AGGLOMERATE	
3B	MAFIC DYKE LAMPROPHYRE	
SHR	SHEAR ZONE	
FALT	FAULT ZONE	
GOUG	FAULT GOUGE	
BL	BLEACHING	

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,532

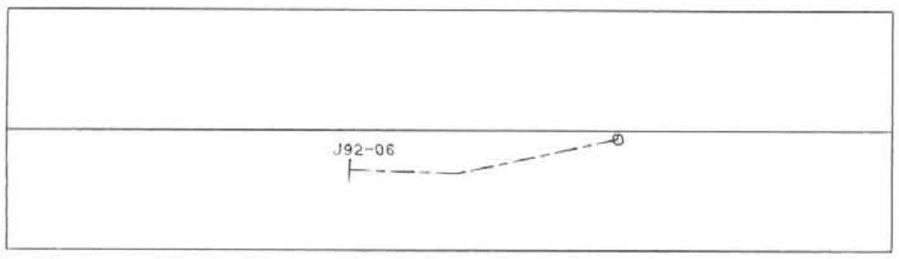
0.0 20.0 40.0 80.0 METRES

CROSS SECTION
N 130.0 / 290.0 E 1830.0 / 1930.0 Z 150 / -150
XSCALE: 1: 1000.
YSCALE: 1: 1000. RANGE: 20.0
DATE: 11:12 23-SEP-92

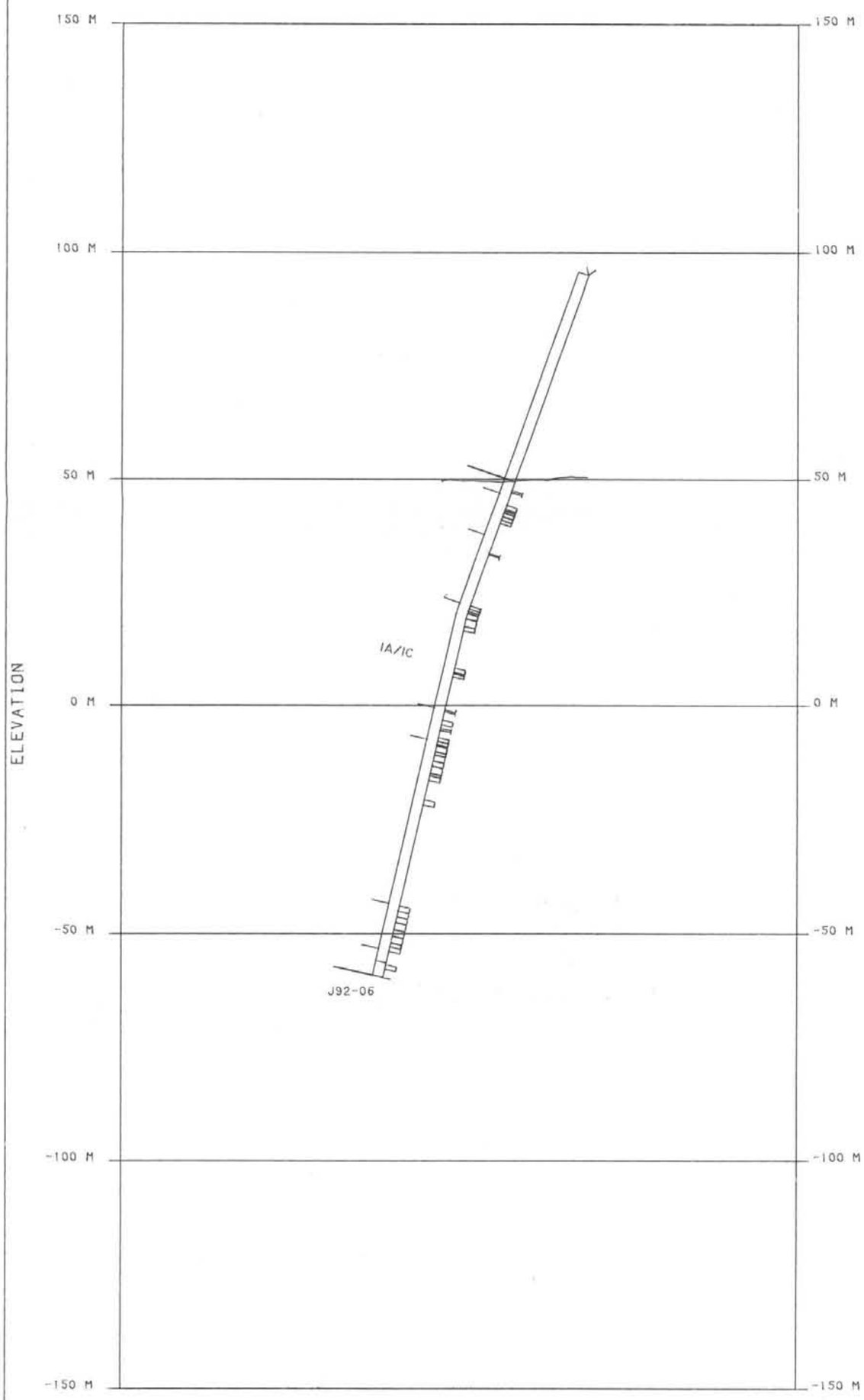
JIM PROPERTY B.C.

Cominco

DRAWN BY:	TRACED BY:	CROSS SECTION J92-05		
COMINCO GEORES				
REVISED BY / DATE	CREATED BY:			
	RANGE: 20.0 M	SCALE: 1 : 1000.	DATE: 23-SEP-92 TIME: 11:12:02	PLATE: 4



LATITUDE



DEPARTURE

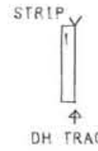
LEGEND

AU/LENGTH

AU SHADED

GOLD GM/T

		LT	1.0
	1.0	TO	3.0
	3.0	TO	5.0
	5.0	TO	8.0
	8.0	TO	13.0
		GE	13.0



STRIP 1 GEOLOGY

1A	GREYWACKE/SANDSTONE
1C	MUDSTONE/SILTSTONE
1D	FRAGMENTAL/CONGLOMERATE
2A	FELSIC TUFF/AGGLOMERATE
2B	CRYSTAL TUFF
2C	MAFIC TUFF/AGGLOMERATE
3B	MAFIC DYKE LAMPROPHYRE
SHR	SHEAR ZONE
FALT	FAULT ZONE
GOUG	FAULT GOUGE
BL	BLEACHING

0.0 20.0 40.0 80.0 METRES

CROSS SECTION
N 650.0 760.0 E 1430.0 1530.0 Z 150 -150
XSCALE: 1: 1000.
YSCALE: 1: 1000. RANGE: 20.0
DATE: 10:48 23-SEP-92

JIM PROPERTY B.C.

Cominco

DRAWN BY: COMINCO GEORES
TRACED BY:
REVISED BY | DATE
CREATED BY:
RANGE: 20.0 M

CROSS SECTION
J92-06

SCALE: 1 : 1000. DATE: 23-SEP-92 TIME: 10:48:54 PLATE: 5