GEOCHEMICAL, GEOPHYSICAL AND DRILL REPORT

ON THE SHIK 1-7 AND R.G. #1 CLAIMS

CARIBOO MINING DIVISION

BRITISH COLUMBIA

NTS 93A/6

52°28'N 120°28'W

IMPERIAL METALS CORPORATION

(OWNER AND OPERATOR)

by

Dave Cole, B.Sc.

and

Steve Robertson, P.Geo.

March 4, 1997

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SUMMARY

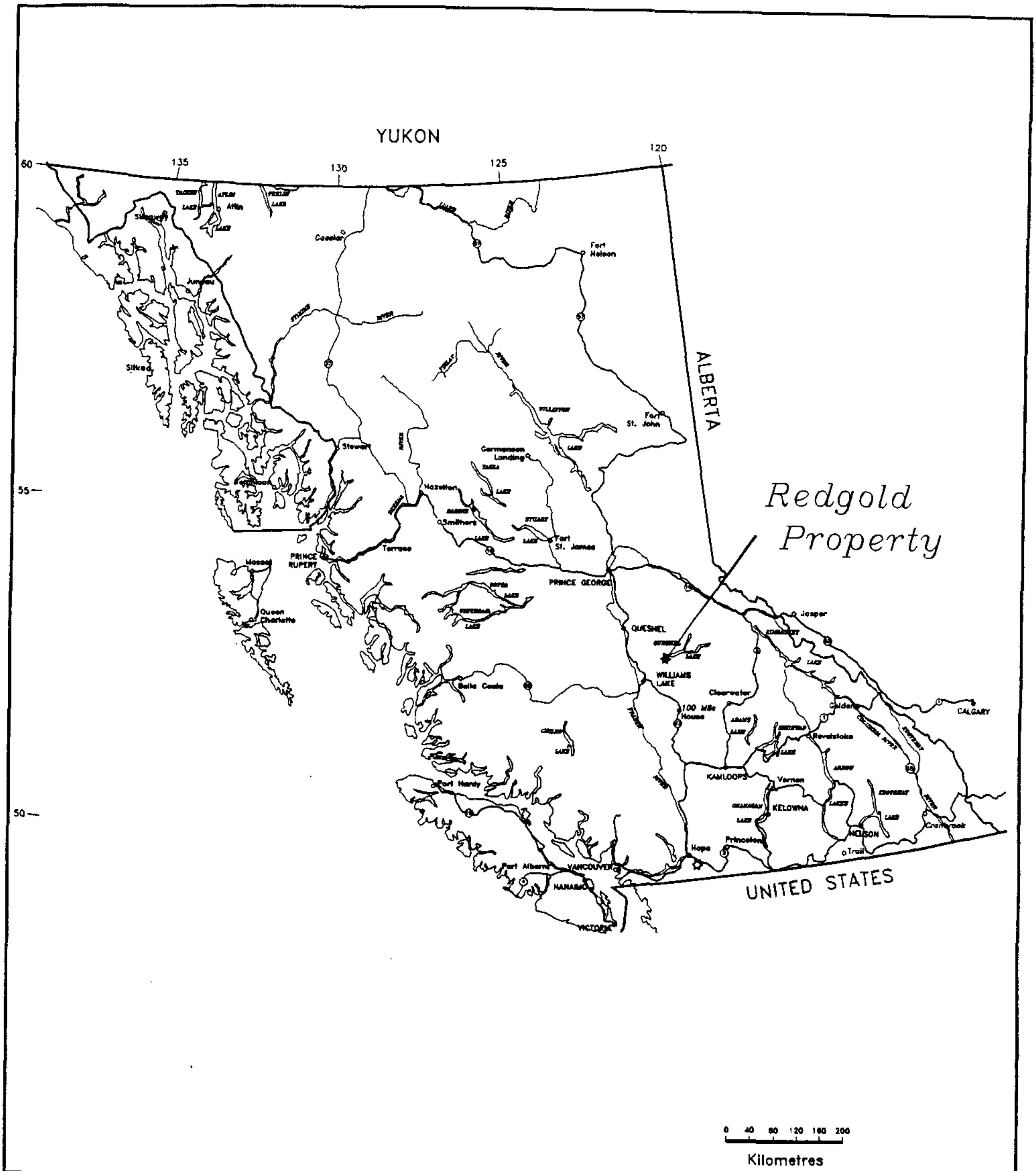
This report summarizes the work conducted on the Redgold Property, located near Horsefly, B.C., during the 1996 field season. The project was designed to check the nature and extent of a copper/gold showing in a small quarry.

The Redgold claim group encompasses the concentrically zoned Shiko Stock and surrounding sedimentary and volcanic units. The Shiko Stock grades from a diorite on the periphery to a more potassic rich monzonite at the center.

The surrounding volcanics exhibit moderate to strong propylitic alteration and lesser amounts of potassic alteration.

Chalcopyrite, bornite and native copper are present within the propylitically altered units. The sulphide bearing, propylitically altered units are manifested as a pyrite halo surrounding the Shiko Stock.

Geochemical work within the quarry area identified a northeast-southwest trending mineralized zone. Drilling intersected high grade mineralized sections containing bornite, chalcopyrite and visible gold. The 1996 geophysical work over the quarry and surrounding area places the showing just west of a strong chargeability anomaly with an associated moderate resistivity. The geophysical anomaly was not tested during the 1996 drilling project.



Imperial Metals Corporation	Redgold Property Location Map	
DRAWING: D:\Redgold\REDLOC.DWG	Figure #1	DATE: Nov., 1996
		MODIFIED FROM DRAWING BY TINDALL GEOSERVICES INC.

INTRODUCTION

This report summarizes the work performed on the Redgold project between May 12 and November 18, 1996.

LOCATION AND ACCESS

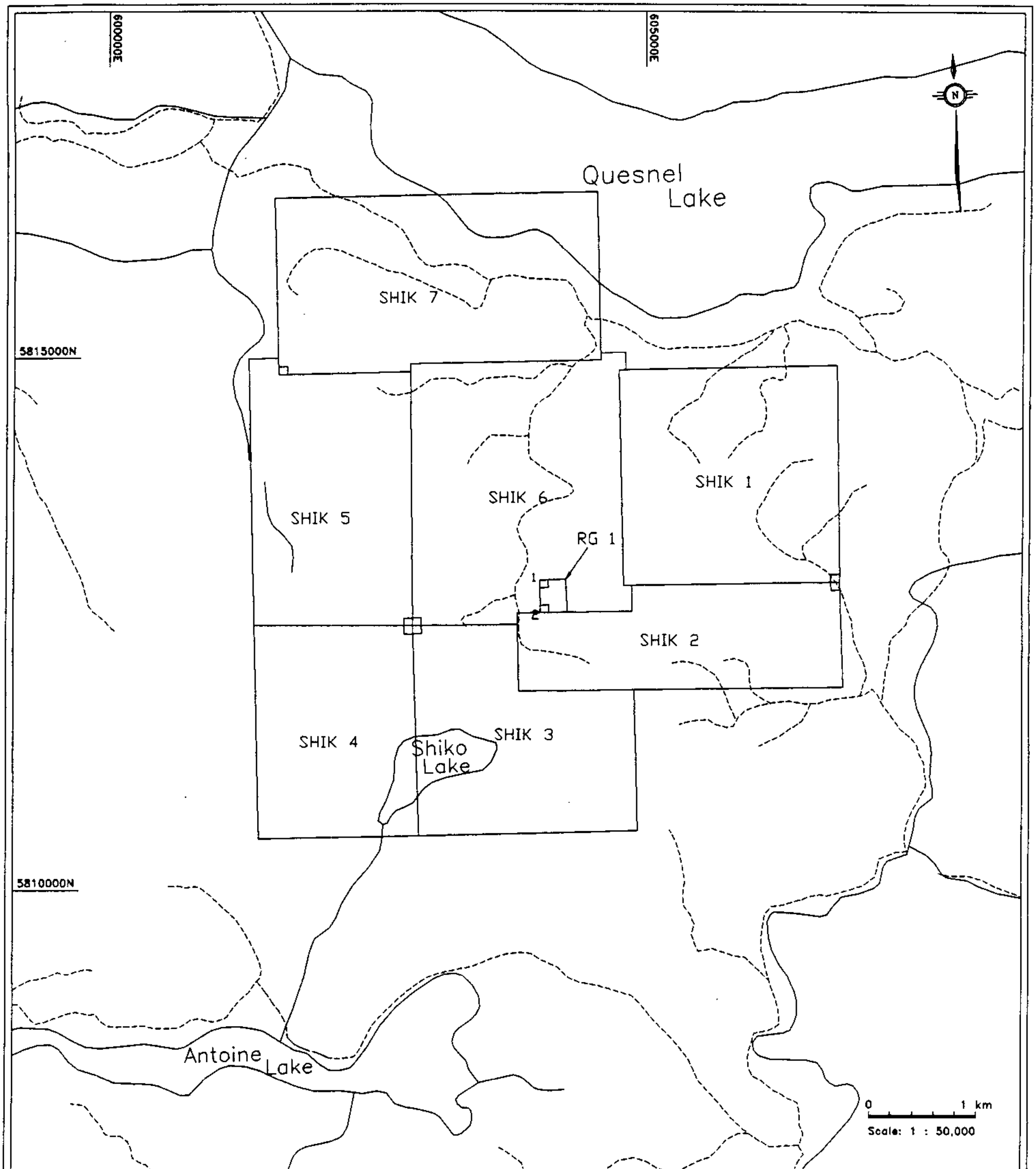
The claim group is located south of Quesnel Lake in gently rolling topography of the B.C. Cariboo.

The Redgold Project area is located approximately 20 kilometers north of Horsefly, B.C. and approximately 60 kilometers northeast of Williams Lake (figure 1). The quarry is accessed by the Mitchell Bay all weather gravel road north of Horsefly and by a 5 kilometer network of logging roads. Excellent access is provided throughout the claim group via a plethera of spur roads which run through-out the claims.

CLAIM INFORMATION

The Redgold Claim Group is located in the Cariboo Mining Division, and consists of Shik 1 - 7 and R.G. #1 (figure 2). The claims total 92 units over an area of approximately 2090 hectares. The claims are held by Imperial Metals Corporation in accordance to an option agreement between Imperial Metals, and J.W. Morton and R.M. Durfeld dated March 5, 1996.

CLAIM NAME	TENURE NO.	NO. OF UNITS	EXPIRY DATE
Shik 1	204603	16	May 31, 1998
Shik 2	204604	12	June 31, 1998
Shik 3	10313	16	Dec. 1, 1997
Shik 4	10314	12	Dec. 1, 1998
Shik 5	10315	15	Dec. 1, 1998
Shik 6	10316	20	Dec. 1, 1998
Shik 7	10317	18	Dec. 1, 1998
R.G. #1	325558	1	May 22, 1998



Imperial Metals Corporation

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Redgold Property Claim Map

Figure #2	*DATE:* Dec., 1996	MODIFIED FROM DRAWING BY TINDALL GEOSERVICES INC.

HISTORY

Interest in the area was sparked by the release of the aeromagnetic sheet #5239 G in 1968, which showed a prominent circular magnetic high in the center of the Redgold Property. Similar magnetic highs led to the discovery of the Mount Polley deposit (Cariboo Bell) owned by Imperial Metals Corporation and the Q.R. deposit owned by Kinross.(Morton et al., 1995)

Kerr Adison Mines and Dusty Mac Mines entered into a joint venture from 1969 to 1971 on the previously staked 'SL' claims. The three year program consisted of geochemical sampling, a 7 kilometer magnetometer survey, 26 kilometers of an Induced Polarization Survey and 500 meters of bulldozer trenching.(Goodall et al., 1992)

Fox Geological Consultants conducted exploration programs from 1972 to 1974 on behalf of the Cariboo Syndicate (Dome Mines and Newconex). The exploration programs included 16 kilometers of Magnetometer and Induced Polarization Surveys, geological mapping, bulldozer trenching and 7 short percussion holes totaling 280 meters. (Goodall et al., 1992)

The claims were sold to Terramar Resource Corporation who drilled 3 short diamond drill holes into the syenite stock. The company abandoned the eastern portion of the claim group in 1982, and the remainder of the claim group in 1989. (Goodall et al., 1992)

When Terramar Resource Corp. allowed the claims to lapse, J.W. Morton and R. Durfeld staked Shik 1 & 2 in 1982, and Shik 3 - 7 in 1989. (Goodall et al., 1992)

Phelps Dodge Corporation optioned the property in 1989 and continued work until 1992. Work completed on the property consisted of the installation of 66 kilometers of grid, geochemical sampling and mapping of the grid, a 37 kilometer Induced Polarization Survey and the completion of 17 diamond drill holes totaling 1997 meters targeted on a strong chargeability anomaly.

In 1993 a portion of the property was leased to Quarry Pacific Industries Ltd. which mined a portion of the syenite intrusion for industrial use. The operations exposed copper/gold mineralization consisting of malachite and azurite stained fracture faces with disseminated bornite and chalcopyrite.

This mineralized zone was the focus of the 1996 exploration program.

REGIONAL GEOLOGY

The Redgold Property is in the middle of a northwest trending belt of Mesozoic aged volcanic rocks called the Quesnel Terrane. The Quesnel Terrane, accreted to the Omineca Belt during the Lower Jurassic, originated as a volcanic island.

The central unit of the Quesnel Terrane is composed of a trachytic breccia which contains a linear sequence of dioritic intrusives which are believed to be comagmatic with the trachytic breccia and the mafic volcanics which flank it. The intrusive stocks range in composition from gabbro to syenite and are spatially associated with copper/gold porphyry deposits and porphyry related deposits such as the Mount Polley Mine and the QR deposit.(Morton et al., 1995)

The oldest rocks in the Quesnel Terrane are Triassic aged basaltic sandstone, conglomerate, minor volcanic breccia, limestone and argillite. The overlying rock unit, poorly represented on the Redgold Property, comprises much of the central volcanic belt consisting of up to 5000 meters of Jurassic aged mafic volcanic rocks of shoshonitic composition. The green and maroon autobreccias, pillow breccias, pillow lavas and massive flows are overlain by up to 300 meters of shelf-like limestone, calcareous argillite, siltstone, and calcite cemented basaltic tuff and breccia. The sediments are in turn overlain by up to 2500 meters of Jurassic aged massive volcanic flows and compact monolithologic breccias. (Goodall et al., 1992)

PROPERTY GEOLOGY

The Redgold Property is composed of five main lithological units; 1) the Shiko Stock (Cretaceous), 2) augite basalt (Triassic), 3) felsic breccia (Jurassic), 4) pelitic sediments (Jurassic) and 5) maroon basalt (Jurassic). See figure 3.

The claim group is centered around the concentrically zoned dioritic Shiko Stock which grades from an augite gabbro inwards to augite diorite, monzonite and syenite. The alkalic intrusive actively intruded the surrounding lithology, evidenced by the alteration found within the surrounding lithologies, proximal to the stock.(Fox P., 1991)

The augite basalt, presumed to be the extrusive equivalent of the Shiko Stock, is characterized by medium to fine grained, subhedral augite phenocrysts within a fine grained to massive groundmass. The groundmass and the augite phenocrysts exhibit weak to moderate retrograde chlorite alteration. Moderate propylitic alteration in the form of epidote, chlorite and calcite is often accompanied by fine grained, disseminated and fracture filled pyrite from 1% - 4%. The strongly altered basalts, proximal to the Shiko Stock, are accompanied by trace amounts of potassic alteration. Hornblende porphyry and gabbro dykes intrude the basalts.

The massive felsic tuff breccia lies stratigraphically above the augite basalt and is composed of massive felsic tuff and dioritic clasts mixed with augite basalt (Goodall et al., 1992). The felsic breccia exhibits propylitic alteration and trace potassic alteration both of which increase in intensity as the units' proximity to the stock increases. Pyrite content appears to increase as the propylitic alteration intensifies.

The alteration and pyrite within the augite basalt and felsic breccia forms an alteration halo extending from the northern portion of the stock around to the south eastern side of the stock. Weak copper/gold values were detected within the alteration halo during the 1990 drill program (Fox P., 1991).

Well bedded pelitic sediments are evident as moderately siliceous light-dark grey siltstone. Disseminated and fracture filled pyrite are found throughout the unit, which is periodically invaded by hornblende porphyry dykes.

The youngest unit on the property is represented by maroon basalts adjacent to the southern portion of the stock. The maroon basalts are in fault contact with the rest of the units comprising the Redgold Claim Group. The maroon basalts hold no apparent significance to the alteration or mineralization found on the property.

MINERALIZATION

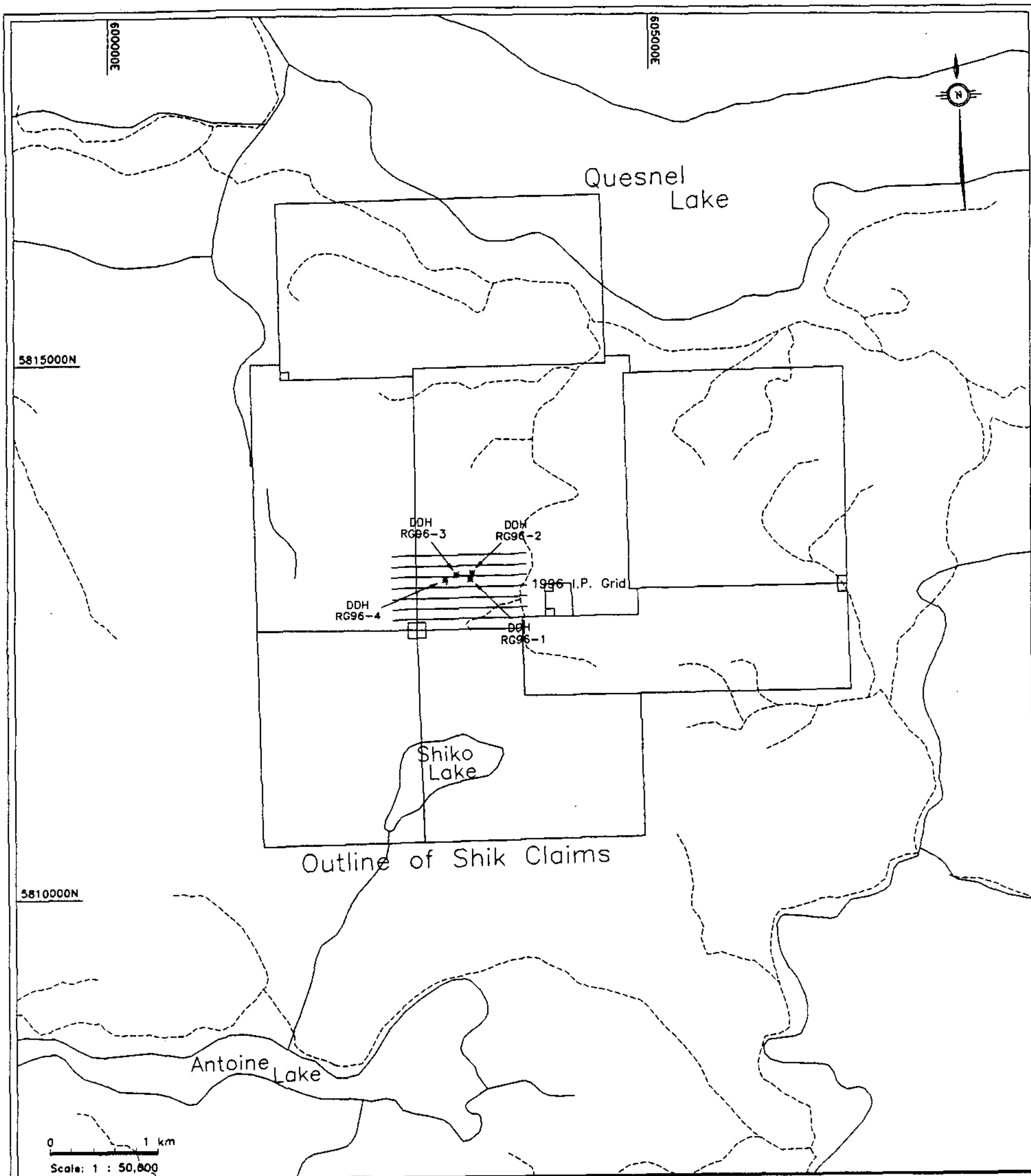
Work programs in the past have been focused on the mineralization and alteration found within the pyrite halo. The intense propylitic alteration found in the form of epidote-chlorite-calcite alteration is accompanied by lesser amounts of potassic alteration. Potassic alteration appears to increase as the proximity to the Shiko Stock increases.

Mineralization occurs as disseminated and fracture filled pyrite, accompanied by disseminated chalcopyrite, malachite, azurite, bornite and native copper.
A mineralized intersection within the quarry area was discovered during drilling that contains an intercept with strong potassic alteration hosting bornite, chalcopyrite and visible gold.

1996 WORK PROGRAM

The objective of the 1996 work program was to determine the extent of the mineralization in the quarry. The work program was designed and implemented by S. Robertson and the author.

The 1996 work program was conducted in three phases. The first phase involved extensive channel sampling of the mineralized monzonite outcrop exposed during operations by Quarry Pacific. A grid was established over the outcrop and a rock saw was utilized to cut channels that were approximately 2" wide x 2" deep. Thirteen trenches were opened by an excavator as



Imperial Metals Corporation

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Redgold Property 1996 Exploration Map

Figure #4	*DATE:* Dec., 1996	MODIFIED FROM DRAWING BY TINDALL GEOSERVICES INC.

extensions of the channel samples. The trenches were chip sampled and assayed in 1 to 3 meter intervals.

Significant copper and gold values resulted in a follow-up drill program which involved the drilling of four diamond drill holes for a total of 411.6 meters. All samples were shipped to Acme Analytical via greyhound from Williams Lake and were analyzed for 32 elements by ICP with additional analysis for gold using a wet geochemical method. The core is stored just south of the quarry in a small clearing used during splitting and logging of the core. Drill logs and assays are provided in Appendixes B and C respectively.

An Induced Polarization Survey conducted late in the season attempted to define the mineralization found in the quarry area. The survey was conducted over seven 1.25 kilometer lines spaced 100 meters apart with 50 meter dipoles. All work was conducted under permit PRG1996-1000926-7463.

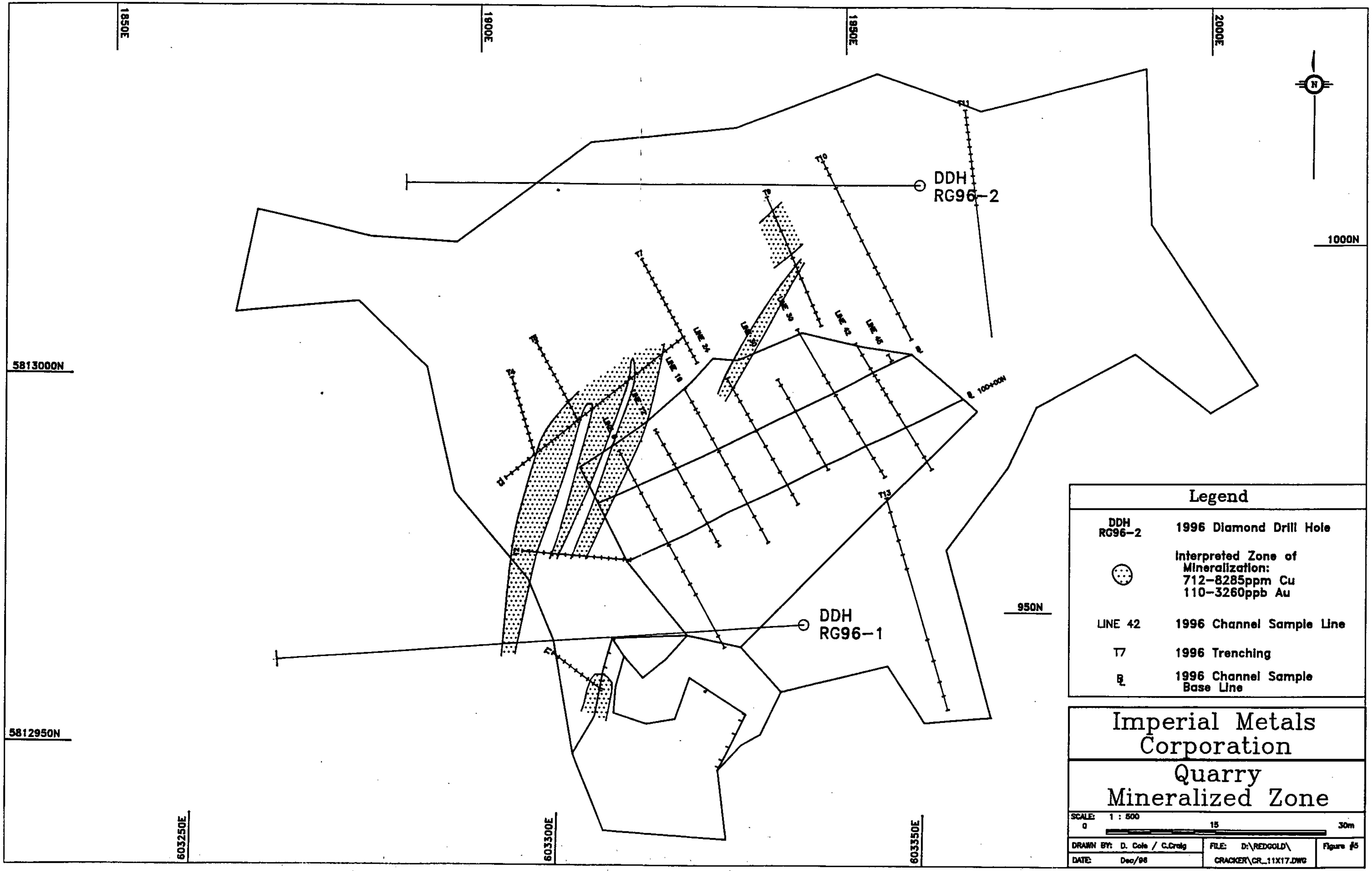
Figure 4 shows the location of the 1996 drill holes and IP grid.

RESULTS

Channel Sampling Program

Samples from the original monzonite outcrop returned elevated values of both copper and gold when the samples were taken close to the contact between the monzonite and the diorite, present at the SW edge of the outcrop. Grab samples ran as high as 12.8 g/t gold and 1.6 % copper.

An excavator was utilized to establish 13 trenches. The excavator reached bedrock which was subsequently chip sampled. The chip sampling revealed a NE - SW trend in mineralization. Figure #5 shows the mineralized zones with grade ranges.



1850E
1900E
1950E
2000E
1000N
5813000N
950N
5812950N
603250E
603300E
603350E
DDH
RG96-2
DDH
RG96-1
T7
T10
T11
T13
LINE 42
LINE 46
Legend
DDH
RG96-2
1996 Diamond Drill Hole
Interpreted Zone of
Mineralization:
712-8285ppm Cu
110-3260ppb Au
LINE 42
1996 Channel Sample Line
T7
1996 Trenching
1996 Channel Sample
Base Line
Imperial Metals
Corporation
Quarry
Mineralized Zone
SCALE: 1 : 500
0
15
30m
DRAWN BY: D. Cole / C.Craig
FILE: D:\REDGOLD\
CRACKER\CR_11X17.DWG
DATE: Dec/96

Drill Program

RG96-1

The diamond drill hole was collared in the quarry at an angle of -45° towards 266°. The hole's objective was to test the extension of surface mineralization in the west wall of the pit.

RG 96-2

This hole was designed to test the down dip extension of surface mineralization on the north side of the quarry. The hole was drilled towards 270° at -45°.

A strongly mineralized intersection from 7.5 meters to 18.9 meters contained bornite, chalcopyrite and visible gold. The intersection graded a weighted average of 0.44 % copper and 1.92 g/t gold.

RG96-3

Diamond drill hole RG96-3 was designed to test the western extent of the monzonite outcrop and of the mineralization. The hole was cored in bedrock at 4.3 meters dipping -045° towards 160°.

RG96-4

Diamond drill hole RG96-4 was designed to check the south-western extension of the monzonite outcrop. The hole was drilled due east (090°) at a 45° angle.

A highly altered section of core ran from 10.0 meters to 17.5 meters and had a weighted average of 0.31% copper.

Geophysical Program

A grid consisting of 7 lines, each with a length of 1.25 kilometers and a baseline measuring 600 meters covered the quarry area with the hopes of identifying the surface mineralization. The lines were joined to the ends of the southern most lines established in 1990 by Phelps Dodge.

The 1996 grid was compassed and flagged. The lines were subsequently cut to a 1 meter width with hip-chained stations every 50 meters.

A chargeability high with a porphyry style signature (Klit, D., 1996) was detected on the eastern end of the lines. The chargeability values within the high were as great as 53 milliseconds with back ground values to the north, west and south ranging from 3 to 10 milliseconds.

Both the resistivity and chargeability plots identified the contact between the hybrid unit (felsic breccia) and the monzonite.

The mineralization exposed at the quarry is located just beyond the western side of the chargeability anomaly.

RECOMMENDATIONS

Exploration Impetus

1. The propylitic, potassic and pyrite alteration halo which surrounds the alkalic intrusive, suggests that future projects should be focused on a Mount Polley style copper-gold alkalic porphyry deposit rather than a QR style deposit.

2. A 10-20 cm thick clay layer was identified during trenching which could result in the masking of geochemical signatures in areas of deep overburden. Penetration of the clay layer may result in the identification of previously hidden geochemical anomalies.

3. IP work delineated a chargeability anomaly which remains open to the west. The anomaly lies between two multi-phase intrusives and encompasses a surface bornite showing on it's southwestern border.

4. Sampling and drilling in 1996, within the quarry area, identified high grade copper and gold intersections that were as high as 0.44 % copper and 1.92 g/t gold over 11.4 meters.

5. The mineralized zone is within close proximity to the Mount Polley Mine site.

1997 Proposed Exploration Program

Phase 1

- extend 1996 grid 1.0 km to the west.
- map and sample grid - biogeochemical sampling or augured soil samples
- IP survey on newly installed grid
- check extension of IP anomaly

Phase 2

- drill 3 holes into quarry area to extend surface copper-gold showings
- drill into IP anomaly to test for mineralization at depth

REFERENCES

Durfeld, R. M. (1988), Geological Report on the Redgold Property. Durfeld Geological Management Company. Assessment Report #17,645.

Fox, P. E. (1991), Drilling Report on the Shik 1 to 7 Claims-Redgold Prospect. Fox Geological Consultants Ltd. Fox Geological Consultants Ltd. Assessment Report #20,930.

Goodall, G. N., Fox, P. E. (1992), Drilling Report on the Shik 1 to 7 Claims-Redgold Prospect. Fox Geological Consultants Ltd. Assessment Report #22,104.

Klit, A. D. (1996), A Geophysical Report on an Induced Polarization Survey on the Mitchell Bay Property Near Horsefly, British Columbia. Lloyd Geophysics Inc. Company Report.

Konst, R. A., Fox, P. E. (1990), Geochemical and Geological Report on the Shik and Redgold Claims. Fox Geological Consultants ltd. Assessment Report #19,803.

Morton J.W., Durfeld R.M. (1995), Rock Sampling Report Shik Claims Cariboo Mining Division. Assessment Report #23,771.

Shoemaker, S. J. (1984), Geochemical Report on the SL Claim Group. Terramar Resource Corporation. Assessment Report #12,694.

LIST OF PERSONNEL

		Man Days
IMPERIAL METALS CORPORATION		
Steve Robertson	Project Geologist	34
David Cole	Project Geologist	68
Clay Craig	Geological Engineer	6
Richard Ney	Core Splitter	8
BEAUPRE DIAMOND DRILLING LTD.		
Stan Beaupre	Driller	5
F. Petit	Driller	5
L. Graham	Helper	5
L. Fowler	Helper	5
DURFELD GEOLOGICAL MANAGEMENT LTD.		
Rudi Durfeld	Consultant	1
Stephen Lehman	Line Cutter	12
Richard Pilley	Line Cutter	12
LLOYD GEOPHYSICS INC.		
Dan Klit	Project Geophysicist	7
Bill Westerberg	Geophysical Technician	7
Mike Tourney	Geophysical Technician	7
Claude Bird	Assistant	7
Greg Hornenborg	Assistant	7

STATEMENT OF EXPENDITURES

Daily Expenditures	
Accommodations	$ 2,501.77
Food	$ 2,324.11
Transportation	
Leased Vehicle	$ 3,044.63
Fuel	$ 1,156.62
Contractors	
Drilling	$ 20,706.00
Trenching	$ 1,228.00
Geophysics	$ 15,851.82
Line Cutting + GPS Work	$ 10,083.41
Assays	$ 7,200.74
General	
Supplies	$ 3,287.74
Communication	$ 81.22
Shipping	$ 987.21
Property Fees	
Option Payments	$ 15,200.00
Licensing Fees	$ 1,210.00
Wages	
Project Geologist	$ 10,540.00
Geologist/Project Geologist	$ 11,560.00
Engineer	$ 1,125.00
Assistant	$ 1,600.00
Report Writing	$ 1,200.00
Filing Fees	$ 5,544.41
Total	**$ 116,432.68**

STATEMENT OF QUALIFICATIONS

I, D.I.R. Cole of the City of Vancouver, B.C. certify the following:

1. I graduated from the University of British Columbia in 1996 with a B.Sc. in Geology.

2. I have worked in the Mining and Exploration Business since 1994.

3. I have worked full time for Imperial Metals Corp. on a contract basis since graduation.

4. I completed part of the work described and I am the author of this report.

Signed at Vancouver, British Columbia, this 3rd day of March, 1997.

David Cole

D.I.R. Cole, B.Sc.

Stephen B. Robertson, P.Geo.

Statement of Qualifications

I, Stephen Robertson, of 1969 Lower Road, Roberts Creek, British Columbia, hereby certify that:

- I am a geologist, employed by Imperial Metals Corporation.
- I am a 1989 graduate of the University of Alberta in Edmonton, with a Bachelor of Science degree in geology.
- I have been employed in mining since 1988 and have continuously practiced my profession since 1989.
- I am a Professional Geoscientist, registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
- I supervised or was involved in the planning of the programs described in this report.
- This report is based on the information gained during the 1996 field season and a review of private and public reports.
- This report may be used for development of the property or raising of funds, provided that no portion of it is used out of context, or in such a manner as to convey a meaning different from that set out in the whole.

Signed at Vancouver, British Columbia, this 3rd day of March, 1997.

Stephen Robertson, P.Geo.

APPENDIX A

Proposed Exploration Budget
1997

Redgold Property

Salaries				
	Project Geologist	30 days @ $167	$	5,010.00
	Assistant	30 days @ $110	$	3,300.00
Soil Survey				
	$500/day for 8 days		$	4,000.00
Grids				
	Cut Grid 8.75 km @ $700/km		$	6,125.00
	IP 8.75 km @ $1300/km		$	11,375.00
Diamond Drill				
	1200' @ $35/ft		$	42,000.00
	Mob-Demob		$	2,000.00
Assays				
	200 core samples @ $20/sample		$	4,000.00
	50 field samples @ $20/sample		$	1,000.00
	315 soil samples @ $20/sample		$	6,300.00
Petrographics				
	10 samples @ $40/sample		$	400.00
Room and Board				
	30 days @ $65/day		$	1,950.00
Vehicle Rental				
	30 days @ $50/day		$	1,500.00
	Fuel and Repair		$	800.00
Equipment and Supplies			$	600.00
Freight and Shipping			$	600.00
Communications			$	200.00
Report Writing			$	1,200.00
Total Expenditures			**$**	**92,360.00**
Filing Fees, 5% of Total Expenditures			$	*4,618.00*
Total			**$**	**96,978.00**

APPENDIX B

IMPERIAL METALS CORPORATION

RG96-1

PROPERTY: Redgold	CASING: 3.0 metres	
CLAIM NAME: Shik	CORE SIZE: NQ	
ZONE: Quarry	CORE STORAGE: Property	
LOCATION: E N	DRILLING COMPANY: Beaupre Diamond Drilling	
AZIMUTH: 266	STARTED: June 28, 1996	DATE LOGGED: 30-Jun-96
LENGTH: 102.1 m	COMPLETED: June 29, 1996	ASSAYED BY: Acme
DIP: -45	OBJECTIVE: Test for extension of surface mineralization in west wall of pit	
	LOGGED BY: S. Robertson	

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
0.0	3.0	3.0	CASING						
3.0	56.5	53.5	**MONZONITE** Composition averages 60% K-spar, 20% quartz, 10% plag, 7% Augite, 2% magnetite, 1% muscouite. K-spar occurs as crystals up to 8mm long and as a flood in the groundmass. Quartz occurs as rounded crystals up to 2mm long and plagioclase as laths up to 4mm long. Augite observed in irregular crystals to 7mm, but most has been altered to chlorite and lesser epidote. Muscovite and magnetite average 1mm across.						
3.0	11.0	8.0	Monzonite Fresh - Zenolith of augite basalt (9.0cm long) at 5.3m. Zenolith rounded. Small 1mm fractures near parallel to Core Axis with minor quartz.						
11.0	11.6	0.6	Core becomes pinker as plag replaced by K-spar, but rock still very competent.	66351	11.0	11.6	0.6	53	10
11.6	12.9	1.3	Increase fracturing over this interval with healing of fracture with quartz - K-spar and K-spar flooding of surrounding rock.	66352	11.6	12.9	1.3	51	19
12.9	14.5	1.6	Fresh Monzonite.						
14.5	16.5	2.0	Monzonite - Increased fractures and K-spar flooding.	66353	14.5	16.5	2.0	85	10

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			Core pieces average less than 10cm length.						
16.5	18.5	2.0	As above, but fracturing more.	66354	16.5	18.5	2.0	88	17
18.5	21.5	3.0	As above. 10cm long zone of strong K-spar flooding at 19.8 - 19.9m with many blebs (2-3mm) of chalcopyrite. and one clot 3.5 x1.2cm.	66355	18.5	21.5	3.0	523	17
21.5	24.5	3.0	Monzonite. Appears quite fresh, but has occasional irregular fractures at approximately 30 - 70 degrees to Core Axis with K-spar flooded envelopes up to 4mm wide carrying occasioanl blebs chalcopyrite.	66356	21.5	24.5	3.0	198	18
24.5	27.8	3.3	Monzonite - As above with less chalcopyrite.	66357	24.5	27.8	3.3	148	9
27.8	29.3	1.5	**FAULTED MONZONITE** Interval contains 4 parallel gouge zones at 55 degrees to Core Axis. Each gouge zone approximately 4cm wide. Monzonite in 1.5m wide fault zone is unrecognizable in most places. Network of K-spar filled fractures as well as 5% quartz - carbonate flooding. Only Trace chalcopyrite.	66358	27.8	29.3	1.5	233	18
29.3	32.3	3.0	**MONZONITE** Fresh with fractures (average 10 -15cm apart) with K-spar envelope and variable chalcopyrite. Fractures average 55 degree to Core Axis. Petrographic at 31.8 -31.9.	66359	29.3	32.3	3.0	231	18
32.3	35.0	2.7	Monzonite - as above.	66360	32.3	35.0	2.7	430	342
35.0	36.6	1.6	As above, but K-spar flooding increasing. Fracture frequency increases, but all are 60 degrees to Core Axis. Trace Chalcopyrite.	66361	35.0	36.6	1.6	347	43
36.6	39.1	2.5	Monzonite - Fresh Less K-spar flooding.	66362	36.6	39.1	2.5	1078	341
39.1	41.0	1.9	As above with increasing K-spar flooding, but still only Trace Cholcopyrite.	66363	39.1	41.0	1.9	198	262

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
41.0	42.0	1.0	Monzonite Interval has a fault zone approximately 50 degrees to Core Axis. Many fractures parallel. Dark chlorite flooding of much of the wall rock. some Vuggy quartz / carbonate. Hematite forming on magnetite.	66364	41.0	42.0	1.0	360	29
42.0	45.0	3.0	As above.	66365	42.0	45.0	3.0	179	66
45.0	47.6	2.6	As above, but decreasing chlorite and increasing K-spar content. Trace Chalcopyrite. Fault planes have decreased to 30 degrees to Core Axis.	66366	45.0	47.6	2.6	0	259
47.6	50.3	2.7	As above.	66367	47.6	50.3	2.7	182	81
50.3	53.0	2.7	Monzonite - As above.	66368	50.3	53.0	2.7	367	68
53.0	55.0	2.0	Monzonite.	66369	53.0	55.0	2.0	260	47
55.0	56.5	1.5	Monzonite Very strong K-spar. Approximately 1% diss Chalcopyrite. Chlorite envelopes around fractures (2mm). Bottom content at 45 degrees to Core Axis.	66370	55.0	56.5	1.5	946	104
56.5	62.2	5.7	XENOLITH OF AUGITE BASALT Top contact is 30 degrees to Core Axis; bottom is also 30 degrees. Contact is actually irregular, but faults exist at top and bottom of unit. Very strongly altered. Occasional patches of K-spar and epidote. Strong Pyrite with epidote. Graphitic from 56.5 -56.9m. Strong chlorite, carbonate, quartz flooding throughout.	66371 66372 66373	56.5 59.0 60.5	59.0 60.5 62.2	2.8 1.5 1.7	980 347 479	158 48 39
62.2	90.2	28.0	HYBRID UNIT Diorite xenoliths within a fine grained mafic groundmass.						

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
62.2	64.2	2.0	Hybrid unit with a strong pink/white salt and pepper appearance.	66374	62.2	64.2	2.0	74	11
			Distinct fabric at 90 degrees to Core Axis.						
			Feldspar appears quite fresh.						
			Increasing chlorite content.						
			K-spar flooded.						
64.2	73.9	9.7	As above, but more chlorite.	66375	64.2	65.9	1.7	127	11
			Decreasing K-spar toward end of interval.						
			Patches of K-spar and epidote are obvious.						
			Many xenoliths of Augite basalt ranging in size from 5cm to 50cm.	66376	65.9	67.9	2.0	147	17
			Xenoliths quite angular and chlorite altered.	66377	67.9	70.9	3.0	566	57
			Occasional patches of pyrite.	66378	70.9	73.9	3.0	267	18

From (m)	To (m)	Length (m)	Description
73.9	90.2	16.3	**HYBRID UNIT** As above - Very heterogeneous unit with many large xenoliths. Chaotic active texture. Start to see traces of chalcopyrite in last 1.5 E123m of interval.
90.2	94.1	3.9	**MONZONITE** Fresh Monzonite dyke at 70 degrees to Core Axis, but contact rather irregular. Diorite xenolith at 92.4 to 92.8.
94.1	102.1	8.0	**HYBRID UNIT** As in interval above Monzonite. Minor K-spar -quartz carbonate. Up to 15% epidote in occasional patches up to 10cm long. 2-3% pyrite in patches. Strong chlorite alteration. 102.1 EOH

Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
66379	73.9	76.9	3.0	108	12
66380	76.9	79.9	3.0	97	28
66385	90.2	92.4	2.2	48	14
66386	92.4	94.1	1.7	116	14
66387	94.1	96.6	2.5	185	15
66388	96.6	99.1	2.5	246	15
66389	99.1	100.6	1.5	458	12
66390	100.6	102.1	1.5	187	13

IMPERIAL METALS CORPORATION
RG-96-2

PROPERTY: Redgold
CLAIM NAME: Shik
ZONE: Quarry
LOCATION: E N
AZIMUTH: 270
LENGTH: 99.1 m
DIP: -45

CASING: 3.0 m
NQ
CORE STORAGE: Property
DRILLING COMPANY: Beaupre Diamond Drilling
STARTED: June 29, 1996
COMPLETED: June 30, 1996
OBJECTIVE: Test downdip extension of surface mineralization in cracker Quarry.
LOGGED BY: S. Robertson

DATE LOGGED: 1-Jul-96
ASSAYED BY: Acme

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
0.0	3.0	3.0	**CASING**						
3.0	25.2	22.2	**MONZONITE** Fresh appearance but frequent areas of K-spar flooding along fractures Core is generally competent with pieces ranging from 8cm to 60cm long. Fracture fill material often has high bornite content and also chlorite, albite, calcite. Strongly magnetic.						
3.0	5.0	2.0	**MONZONITE** Near surface rock shows leaching by meteoric water.	66391	3.0	5.0	2.0	323	106
5.0	8.5	3.5	**MONZONITE** Interval has 2-5cm wide fracture zones and many smaller fractures at approximately 40 degrees to Core Axis.	66392	5.0	7.5	2.5	94	7
7.5	8.5	1.0	As above, but at 7.5m appearance of bornite and chalcopyrite and malachite along fractures and less as diss. Bornite much more abundant than chalcopyrite and where together, chalcopyrite surrounded by bornite. Malachite and hematite found along fractures with chlorite, albite, K-spar, calcite.	66393	7.5	8.5	1.0	6841	2057
8.5	10.5	2.0	As above, but more broken and stonger copper mineralization.	66394	8.5	10.5	12.0	11632	6435

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			Very poor recovery of broken rock at 10.0 - 10.5m. Most of sulfides along fractures, but some diss mineralization in K-spar flooded monzonite.						
10.5	11.6	1.1	**MONZONITE** Much more competent with less fracturing than previous interval. Occasional diss chalcopyrite.	66395	10.5	11.6	1.1	922	656
11.6	14.1	2.5	As above.	66396	11.6	14.1	2.5	817	365
14.1	16.1	2.0	As above, but with 6 hairline fractures at 60 degrees and 15 degrees to Core Axis with bornite and chalcopyrite.	66397	14.1	16.1	2.0	1295	429
16.1	18.1	2.0	As above with less sulphides. Fracture very well healed with Trace sulphides. Core very competent.	66398	16.1	18.1	2.0	811	294
18.1	18.6	0.5	As above.	66399	18.1	18.6	0.5	1138	404
18.6	18.9	0.3	Monzonite with a number of hairline fractures at 20 degrees - 50 degrees to Core Axis. Fracture filled with chlorite, bornite, chalcopyrite. Moderate K-spar flooding. Possible fleck of Visible Gold.	66400	18.6	18.9	0.3	41104	12068
18.9	19.4	0.5	As above, but only Trace sulphides. Strong K-spar flooding.	66401	18.9	19.4	0.5	2577	1213
19.4	20.5	1.1	Strength of K-spar flooding gradually decreases over interval.	66402	19.4	20.5	1.1	408	334
20.5	22.5	2.0	Fresh monzonite with Trace Chalcopyrite along hairline fracture.	66403	20.5	22.5	2.0	384	294
22.5	24.5	2.0	Fresh Monzonite. As last interval. Trace Chalcopyrite.	66404	22.5	24.5	2.0	390	135

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			No Bornite.						
			Slightly more broken toward end of interval.						
24.5	25.2	0.7	As above, but more broken up.	66405	24.5	25.2	0.7	256	119
			Bottom contact missing.						
25.2	30.6	5.4	**HYBRID UNIT**	66406	25.2	26.2	1.0	175	9
			Top contact missing.	66407	26.2	28.2	2.0	65	112
			Bottom contact near perpendicular to Core Axis.	66408	28.2	29.6	1.4	756	51
			Rock is relatively fine grained (2-3mm) intrusive composed largely of plagioclase, quartz and amphibole.	66409	29.6	30.6	1.0	195	21
			Smaller xenoliths (5-10cm) seen within diorite which may also be a xenolith.						
			Moderate to intense flooding of K-spar (and albite in some areas).						
			Occasional blebs of chalcopyrite. (Monzonite dyke 29.6-30.4).						
30.6	57.2	26.6	**MONZONITE**	66410	30.6	32.6	2.0	336	13
			Rock looks moderately cooked resulting in remobilization of K-spar.						
30.6	32.6	2.0	Trace Chalcopyrite.						
32.6	33.2	0.6	Intensely altered diorite xenolith from 32.6 to 33.2 m.	66411	32.6	33.2	0.6	597	162
33.2	35.7	2.5	3.0 cm gouge zone at 50 degrees to Core Axis at 34.2 m.	66412	33.2	35.7	2.5	200	26
35.7	38.2	2.5	**MONZONITE**	66413	35.7	38.2	2.5	85	19
			Fresh - Rare sulphides - Only unusual feature in interval was a 1 cm gougy fault at 36.2 at 70 degrees to Core Axis.						
38.2	41.0	2.8	As above - Core very competent.	66414	38.2	41.0	2.8	76	14
41.0	44.0	3.0	As above.	66415	41.0	44.0	3.0	70	15
44.0	47.0	3.0	As above - Excellent dimension stone.	66416	44.0	47.0	3.0	79	37

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			No Bornite. Slightly more broken toward end of interval.						
24.5	25.2	0.7	As above, but more broken up. Bottom contact missing.	66405	24.5	25.2	0.7	256	119
25.2	30.6	5.4	**HYBRID UNIT**	66406	25.2	26.2	1.0	175	9
			Top contact missing.	66407	26.2	28.2	2.0	65	112
			Bottom contact near perpendicular to Core Axis.	66408	28.2	29.6	1.4	756	51
			Rock is relatively fine grained (2-3mm) intrusive composed largely of plagioclase, quartz and amphibole. Smaller xenoliths (5-10cm) seen within diorite which may also be a xenolith. Moderate to intense flooding of K-spar (and albite in some areas). Occasional blebs of chalcopyrite. (Monzonite dyke 29.6-30.4).	66409	29.6	30.6	1.0	195	21
30.6	57.2	26.6	**MONZONITE** Rock looks moderately cooked resulting in remobilization of K-spar.	66410	30.6	32.6	2.0	336	13
30.6	32.6	2.0	Trace Chalcopyrite.						
32.6	33.2	0.6	Intensely altered diorite xenolith from 32.6 to 33.2 m.	66411	32.6	33.2	0.6	597	162
33.2	35.7	2.5	3.0 cm gouge zone at 50 degrees to Core Axis at 34.2 m.	66412	33.2	35.7	2.5	200	26
35.7	38.2	2.5	**MONZONITE** Fresh - Rare sulphides - Only unusual feature in interval was a 1 cm gougy fault at 36.2 at 70 degrees to Core Axis.	66413	35.7	38.2	2.5	85	19
38.2	41.0	2.8	As above - Core very competent.	66414	38.2	41.0	2.8	76	14
41.0	44.0	3.0	As above.	66415	41.0	44.0	3.0	70	15
44.0	47.0	3.0	As above - Excellent dimension stone.	66416	44.0	47.0	3.0	79	37

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
47.0	49.5	2.5	Chemistry of rock changing slowly down hole. Monzonite graduates into a rock with K-spar phenocrysts and a green (albite?) groundmass. Still strongly magnetic.	66417	47.0	49.5	2.5	206	130
19.5	51.0	31.5	As above, but fades back into an all pink. Strongly K-spar flooded rock. Trace Chalcopyrite near end of interval.	66418	49.5	52.0	2.5	258	219
52.0	54.0	2.0	Rock becomes more broken with fractures at many angles to Core Axis. Fractures healed with quartz/carbonate or K-spar. Occasional blebs of Chalcopyrite.	66419	52.0	54.0	2.0	103	25
54.0	56.8	2.8	Monzonite - as above.	66420	54.0	56.8	2.8	105	32
56.8	57.2	0.4	**BLEACHED MONZONITE** 40 cm interval has been intensely bleached and is crisscrossed by quartz stockwork. Zone appears to be K depleted.	66421	56.8	57.2	0.4	177	92
57.2	99.1	41.9	**HYBRID UNIT** Fine grained intrusive with generally weak and patches of strong potassic alteration.						
57.2	59.2	2.0	**HYBRID UNIT** Moderate to weak K-spar flooding. Hairline fracture close to parallel to Core Axis healed with quartz / carbonate. No sulphides.	66422	57.2	59.2	2.0	64	20
59.2	61.7	2.5	K-spar becomes stronger. Occasional chalcopyrite blebs in strongly flooded areas.	66423	59.2	61.7	2.5	129	32
61.7	64.2	2.5	Decrease in K-spar - As above.	66424	61.7	64.2	2.5	168	110
64.2	67.0	2.8	As above.	66425	64.2	67.0	2.8	602	193

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
67.0	67.7	0.7	Fault zone - Zone is 25% gouge. Trace sulphides (pyrite).	66426	67.0	67.7	0.7	123	6
67.7	70.2	2.5	**HYBRID UNIT** With moderate K-spar flooding. Core fairly broken. Most pieces 10 cm or less.	66427	67.7	70.2	2.5	157	36
70.2	72.7	2.5	As above. Moderate flooding. Some healed hairline fractures near parallel to Core Axis with larger faults (1 cm wide) at 70 degrees to Core Axis. Diorite xenoliths are magnetic except in areas of strong K-spar flooding.	66428	70.2	72.7	2.5	173	17
72.7	75.2	2.5	As above.	66429	72.7	75.2	2.5	744	181
75.2	77.7	2.5	As above.	66430	75.2	77.7	2.5	253	64
77.7	80.2	2.5	As above. Start to see more chalcopyrite along fractures again. Associated with chlorite, quartz, carbonate.	66431	77.7	80.2	2.5	592	248
80.2	82.7	2.5	**HYBRID UNIT** Very competent rock. Very weak K-spar flooding with Trace chalcopyrite. Fresh mafics.	66432	80.2	82.7	2.5	554	81
82.7	85.2	2.5	As above.	66433	82.7	85.2	2.5	183	30
85.2	87.2	2.0	Hybrid unit - weak to moderate K-spar flooding with chalcopyrite approximately 1% in K-spar flooded fractures. K-spar flooding increases approximately 86.3 m.	66434	85.2	87.2	2.0	470	16
87.2	89.4	2.2	Hybrid unit - weak to moderated K-spar flooding with chalcopyrite approximately 1% concentrated in K-spar flooded fractures. Quartz - carbonate veins.	66435	87.2	89.4	2.2	585	113

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			Trace diss chalcopyrite. Quartz - carbonate veinlets with K-spar envelope - mafic xenolith at 87.2.						
89.4	91.5	2.1	Hybrid unit - same as above with local areas of moderate chlorite alteration. Changes to monzonite at 90.2.	66436	89.4	91.5	2.1	438	22
91.5	92.8	1.3	**MONZONITE** Medium grained to coarse grained. Trace diss chalcopyrite. Quartz - carbonate veins with K-spar envelope (10 -40cm).	66437	91.5	92.8	1.3	123	146
92.8	94.8	2.0	Monzonite with 1% diss chalcopyrite and trace bornite (surrounding chalcopyrite) hairline fracture subparallel to Core Axis.	66438	92.8	94.8	2.0	333	154
94.8	96.9	2.1	Monzonite Trace diss chalcopyrite and pyrite. 1 cm K-spar envelopes around veinlets. Very coarse grained k-spar near end of interval.	66439	94.8	96.9	2.1	203	56
96.9	99.1	2.2	Monzonite Trace chalcopyrite along K-spar healed microveinlets. Quartz veinlets 28 degrees to Core Axis.	66440	96.9	99.1	2.0	197	148
			END OF HOLE						

IMPERIAL METALS CORPORATION
DDH RG96-3

PROPERTY: Redgold
CLAIM NAME: Shik
ZONE: Quarry
LOCATION: E N
AZIMUTH: 160
LENGTH: 105.2
DIP: -45

CASING: 3.0 m
CORE SIZE: NQ
CORE STORAGE: Property
DRILLING COMPANY: Beaupre Diamond Drilling
STARTED: June 30, 1996
COMPLETED: July 1, 1996
OBJECTIVE: Test western extension of monzonite outcrop and mineralization
LOGGED BY: Dave Cole

DATE LOGGED: 3-Jul-96
ASSAYED BY: Acme

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			HYBRID UNIT Multiphase event whereby a plagioclase rich unit and an augite rich unit mixed to form a hybrid in which the intruding unit partially assimilated the intruded unit. Phenocryst sizes vary from very coarse grain - fine grain. Potassic, propylitic and chlorite alteration can be seen in both groundmass and phenocrysts. Trace pyrite and chalcopyrite are present. Some xenoliths are weakly to moderately magnetic.						
4.3	7.3	3.0	Hybrid unit Xenoliths are all partially assimilated. Most of interval is massive with a few medium grain subhedral plagioclase phenocrysts. One small xenolith approximately 9 cm with very coarse grained augite phenocrysts and coarse grained euhedral plagioclase phenocrysts followed by 6 cm section within moderate potassic alteration. Groundmass is moderately altered - chlorite , very weak potassic alteration and random quartz veinlets - fault breccia at 5.0 m.	66441	4.3	7.3	3.0	128	45
7.3	10.3	3.0	Hybrid unit - 7.4-7.6 m interval felsic xenolith with 1 very coarse grained white K-spar phenocryst with reaction rim -light blue - no other phenocrysts. Moderate potassic alteration. Xenoliths in rest of interval have been strongly assimilated.	66442	7.3	10.3	3.0	245	24

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			Plagioclase and augite phenocrysts found together approximately 10% augite and 20% plagioclase. Augites moderately to strongly altered. Chlorite. Groundmass strongly altered to chlorite. Weak potassic alteration and poddy zones of propylitic alteration. Trace diss pyrite - random quartz veinlets.						
10.3	13.3	3.0	**HYBRID UNIT** Xenoliths' contacts better defined - augite phenocryst. Weakly to strongly altered chlorite - sub enhedral coarse grain to very coarse grain plagioclase phenocrysts - not altered, medium grain to coarse grain. Groundmass - moderately to strongly chlorite with very weak propylitic alteration and poddy propylitic alteration. Potassic - coarse grain K-spar veins 30-35 degrees to Core Axis - propylitic alteration associated with K-spar veins. Very coarse grain white K-spar phenocrysts in K-spar veins. Trace diss pyrite.	66443	10.3	13.3	3.0	204	49
13.3	16.3	3.0	Hybrid Unit - 2 types xenoliths (1) Coarse grained - chlorite altered augite phencrysts with medium grained to coarse grained plagioclase phenocryst unaltered - groundmass mainly chloritic with weak propylitic alteration and random quartz veinlets. Trace diss pyrite. (2) Felsic xenoliths with moderate potassic alteration. Very coarse grained augite phenocrysts - unaltered weakly siliceous - very few medium grain to fine grain plagioclase phenocrysts - augites cub - enhedral and ghostly moderate potassic alteration and weak propylitic alteration.	66444	13.3	16.3	3.0	309	44
16.3	18.2	1.9	Hybrid Unit - xenoliths (1) of very coarse grain augite phenocrysts strongly altered - chlorite - subhedral with coarse grain subhedral plagioclase phenocrysts - groundmass mainly chlorite. (2) felsic xenoliths with coarse grained augite rich xenolith, strongly altered - chlorite and fine grain to coarse grained euhedral plagioclase xenoliths with siliceous, potassic and propylitic pods.	66445	16.3	18.2	1.9	235	50

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
18.2	20.1	1.9	Hybrid Unit - maroon with very fine grain subhedral plagioclase and medium grain to very coarse grained subhedral augite phenocrysts - quartz veins 80 degrees to Core Axis - chlorite of fractured surfaces.	66446	18.2	20.1	1.9	232	20
20.1	23.1	3.0	Hybrid Unit - Contact with maroon xenolith is highly chloritized with 2% pyrite and trace chalcopyrite with coarse grain anhedral - ghost augites. Rest of interval xenolith boundaries are poorly defined. Coarse grain augite phenocryst - subhedral - moderately to strongly altered - chlorite plagioclase phenocrysts medium grain to coarse grain - enhedral - not altered. Groundmass varies from mainly chlorite to a mix of weak siliceous, weak potassic and weak propylitic and chlorite. Quartz veining stronger in dark green segments (Groundmass = chlorite)	66447	20.1	23.1	3.0	1690	1009
23.1	26.1	3.0	Same as above with some augites propylitically altered at core.	66448	23.1	26.1	3.0	309	110
26.1	29.1	3.0	Hybrid Unit - coarse grain enhedral plagioclase and augite with augite altered - chlorite - siliceous. Chloritic and weakly potassic groundmass. Very coarse grain augite and coarse grain plagioclase xenolith - less plagioclase - maroon in colour with chloritic groundmass. Potassic dyke 45 degrees to Core Axis with plagioclase medium grained subhedral phenocrysts.	66449	26.1	29.1	3.0	784	175
29.1	32.1	3.0	Hybrid Unit - Coarse grain augite phenocrysts strongly altered - chlorite and pyrite and (chalcopyrite?) Siliceous and chloritic groundmass. Coarse grained enhedral plagioclase phenocrysts. Quartz - K-spar veins proximal to xenoliths contacts. Weak potassic alteration and random quartz veins.	66450	29.1	32.1	3.0	1049	338
32.1	35.1	3.0	Same as above.	66451	32.1	35.1	3.0	481	199
35.1	36.3	1.2	Hybrid Unit - augite phenocryst almost completely altered - pyrite and chalcopyrite and chlorite. Plagioclase phenocryst sub-enhedral - coarse grained - unaltered.	66452	35.1	36.3	1.2	304	69

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			Groundmass - siliceous and chlorite with pods of propylitic and potassic alteration.						
36.3	39.3	3.0	Hybrid Unit - augites hardly visible - groundmass mostly siliceous and chlorite. Coarse grained plagioclase phenocrysts decreasing in number (mainly just groundmass).	66453	36.3	39.3	3.0	1316	403
39.3	42.2	2.9	Hybrid Unit - approximately 17 poorly defined xenoliths. Xenoliths are much finer grained - augites altered - chlorite and pyrite. Plagioclase completely altered - (dark mineral) groundmass is chloritic and siliceous. Diss pyrite. Pyrite infilling vesicles. High density of quartz veinlets in darker green xenoliths. Weak propylitic alteration and potassic alteration associated with quartz veins.	66454	39.3	42.2	2.9	613	141
42.2	45.2	3.0	Hybrid Unit - Xenoliths much more siliceous. Fine to medium grained augites altered - chlorite and pyrite. Fine grained plagioclase in groundmass - mottled texture. Hardly any veining - 1 K-spar vein - 2 cm across 31 degrees to Core Axis with coarse grained subhedral plagioclase phenocrysts	66455	42.2	45.2	3.0	347	273
45.2	48.2	3.0	Same as above.	66456	45.2	48.2	3.0	365	116
48.2	51.2	3.0	Hybrid Unit - xenoliths with mottled texture - anhedral - subhedral fine to medium grained Augites altered - chlorite and fine grained plagioclase phenocrysts - siliceous and chlorite groundmass. Patchy propylitic alteration and potassic alteration - very weak and 2 cm wide quartz and potassic vein running 17 degrees to Core Axis.	66457	48.2	51.2	3.0	67	19
51.2	54.2	3.0	Same as before with pods of propylitic alteration. More prominent and quartz carbonate veining.	66458	51.2	54.2	3.0	83	36
54.2	57.2	3.0	Hybrid Unit - dark green mottled xenolith with anhedral fine grained to medium grained augite phenocrysts - no plagioclase except in groundmass highly quartz veined chlorite	66459	54.2	57.2	3.0	25	8

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			groundmass. Felsic xenolith - highly siliceous with weak potassic and propylitic alteration of groundmass and chlorite altered augite xenoliths. Fault related - 54.7 - 56.3 trace pyrite - argillic alteration.						
57.2	60.2	3.0	Hybrid Unit - siliceous xenoliths anhedral - ghostly augite phenocrysts. No plagioclase - chlorite rich groundmass. Dark green xenoliths - heavily chloritized groundmass. K-spar - silica vien cut by fracture - 34 degrees to Core Axis. Vein - 45 degrees to Core Axis. Offset approximately 4 cm. Trace diss pyrite.	66460	57.2	60.2	3.0	173	25
60.2	63.2	3.0	Hybrid Unit - dark green xenolith with chlorite rich groundmass. Medium grained chlorite altered augite phenocrysts and coarse grained non-altered euhedral plagioclase. 1 % diss pyrite. Felsic xenolith - siliceous groundmass with weak potassic alteration. Euhedral - coarse grain augite - some cores altered - pyrite euhedral non-altered plagioclase. Diss pyrite.	66461	60.2	63.2	3.0	274	13
63.2	66.2	3.0	Hybrid Unit - maroon xenoliths with very coarse grained augite with cores altered to pyrite and rims propylitically altered. Enechelon fractures displacing potassic vein approximately 2 cm. Fractures 44 degrees to Core Axis. Vein 75 degrees to Core Axis. Xenolith with higher chlorite groundmass - coarse grained augites weakly altered and medium grained plagioclase phenocrysts - diss pyrite. Argillically altered xenlith - no apparent phenocrysts. Random quartz veinlets - chlorite blobs.	66462	63.2	66.2	3.0	589	34
66.2	69.2	3.0	Hybrid Unit - dark green - chlorite groundmass with coarse grained augite and plagioclase phenocrysts. Augite weakly altered - chlorite local argillic alteration and siliceous segments.	66463	66.2	69.2	3.0	630	111

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			Trace pyrite in cores of augite. Weak potassic alteration.						
69.2	72.2	3.0	Same as above with local propylitic alteration.	66464	69.2	72.2	3.0	185	40
72.2	75.2	3.0	Hybrid unit green with chlorite and chlorite rich ground mass. Xenoliths are poorly defined. Dark green chlorite rich xenoliths have very coarse grained augite and plagioclase phenocrysts while felsic non-siliceous xenoliths have few to no phenocrysts. Felsic phenocrysts have weak potassic and propylitic alteration. No sulphides.	66465	72.2	75.2	3.0	803	273
75.2	78.2	3.0	Hybrid Unit - (1) xenoliths - dark green with coarse grained augites strongly altered to chlorite and coarse grained plagioclase phenocrysts - chlorite rich groundmass. (2) Siliceous xenoliths with weak potassic alteration and pods of propyliitic alteration. Some coarse to fine grained phenocrysts that have been mostly replaced or assimilated. (3) Argillically altered xenoliths with medium grained chlorite altered augites. No plagioclase and weak propylitic alteration.	66466	75.2	78.2	3.0	349	92
78.2	81.2	3.0	Same as above and pyrite in augite cores within dark green xenoliths.	66467	78.2	81.2	3.0	433	334
81.2	84.2	3.0	Same as above - augite phenocrysts strongly altered - chlorite in dark green xenolith.	66468	81.2	84.2	3.0	253	426
84.2	87.2	3.0	Hybrid Unit - dark green very fine grained unit - chlorite rich groundmass fine grained augites altered - chlorite. Siliceous xenoliths with coarse grained augite phenocrysts altered - chlorite medium grained to fine grain plagioclase phenocrysts - weak to moderate potassic alteration and small pods of potassic alteration. Xenoliths moderately argillically altered.	66469	84.2	87.2	3.0	188	76
87.2	90.2	3.0	Hybrid Unit - dark green - groundmass = chlorite rich - augite phenocrysts completely altered - chlorite very fine grained plagioclase. Monzonite xenolith 30 cm across weak potassic alteration.	66470	87.2	90.2	3.0	385	25

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			Xenolith - moderate argillic alteration with coarse grained augite phenocrysts. Near boundaries of contact.						
90.2	93.2	3.0	Hybrid Unit - (1) Xenoliths - siliceous - all augite completely altered to chlorite weak poypylitic alteration - very fine grained - anhedral plagioclase in groundmass. Some goundmass chloritic. Weak potassic alteration. (2) Dark green xenoliths - chlorite rich groundmass - coarse grained- altered. Chlorite medium grained plagioclase unaltered - trace diss pyrite and chalcopyrite? Siliceous vein with potassic and propylitic alteration 75 degrees to Core Axis 4.5 cm.	66471	90.2	93.2	3.0	167	14
93.2	96.2	3.0	Hybrid Unit - (1) Dark green - chlorite rich groundmass with quartz veinlet random through xenoliths - local propylitic alteration pods of fine to medium grained subhedral plagioclase phenocrysts - no sulphides.	66472	93.2	96.2	3.0	259	13
96.2	99.2	3.0	Same as above with fracture filled with fluid and healed with weak potassic alteration and propylitic alteration - portion of vein are siliceous. Fractures subparallel to Core Axis approximately 4-5 cm across Feldspars altered - clay.	66473	96.2	99.2	3.0	138	6
99.2	102.2	3.0	Hybrid Unit - (1) Dark green - chlorite rich groundmass with random quartz veins Splochy propylitic alteration - K-spar veins - 30 degrees and 50 degrees to Core Axis. Fracture zone with weak potassic alteration. Augite and feldspars altered - clay - silica veinlets.	66474	99.2	102.2	3.0	22	4
102.2	105.2	3.0	Hybrid Unit - (1) First 50cm shot through with fluids leaving quartz veinlets and pods of propylitic and potassic alteration. Chlorite in groundmass - no plagioclase phenocrysts - augites altered - chlorite. Rest of interval = chlorite rich groundmass - augites altered - chlorite and unaltered medium grain to coarse grain plagioclase phenocrysts. Random quartz veinlets.	66475	102.2	105.2	3.0	167	12
			End of Hole						

IMPERIAL METALS CORPORATION
DDH RG 96 - 4

PROPERTY: Redgold
CLAIM NAME: Shik
ZONE: Quarry
LOCATION: E N
AZIMUTH: 90
LENGTH: 105.2 m
DIP: -45

CASING: 4 meters
CORE SIZE: NQ
CORE STORAGE: Property
DRILLING COMPANY: Beaupre Diamond Drilling
STARTED: July 2, 1996
COMPLETED: July 2, 1996
OBJECTIVE: To test the western extent of the monzonite outcrop
LOGGED BY: Dave Cole

DATE LOGGED 4-Jul-96
ASSAYED BY: Acme

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			HYBRID UNIT (HU) Previously named felsic breccia by Peter Fox. Felsic xenolith / clasts composed of a diorite with augite phenocrysts which have been altered in varying degrees to chlorite. Plagioclase phenocrysts vary from fine grained to very coarse grained. Clasts are weakly to moderately magnetic. Clasts may be weakly potassically altered with weak albitization. Clasts in a fine grained chloritic groundmass. Clasts include augite basalt.						
4.0	7.0	3.0	Hybrid Unit - Monzonite - medium grained anhedral plagioclase phenocrysts with moderate potassic alteration. 45% mafics - moderately to strongly magnetic. Quartz veins 25 degrees to Core Axis. No sulphides.	66476	4.0	7.0	3.0	171	7
7.0	10.0	3.0	Hybrid Unit - 2 clast types (1) same monzonite desc. above (2) Fine grained black - weakly brecciated volcanic (basalt). End of interval has very coarse grained plagioclase phenocrysts. No sulphides. Possibly from assimilated xenolith - moderately magnetic.	66477	7.0	10.0	3.0	253	23

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
10.0	12.5	3.0	Hybrid Unit - chlorite rich groundmass with magnetic phenocrysts with trace diss pyrite. Felsic clast - quartz rich with magnetite phenocrysts and weak potassic alteration. Malachite on fracture surface at end of interval - moderately magnetic.	66478	10.0	12.5	3.0	1786	165
12.5	14.5	2.0	Highly veined and chloritized with malachite on fracture surfaces. Trace diss pyrite and chalcopyrite/ Some pyrite in quartz veins - moderately magnetic - some local potassic alteration and alteration - clays.	66479	12.5	14.5	2.0	7990	1990
14.5	17.5	3.0	Hybrid Unit - Subrounded breccia - felsic clasts - moderately magnetic. Weak potassic and propylitic alteration. No sulfides. Plus felsic - siliceous clasts with moderately propylitic alteration and trace pyrite and chalcopyrite? Magnetic phenocrysts.	66480	14.5	17.5	3.0	1349	295
17.5	19.5	2.0	Hybrid Unit - Breccia - felsic - siliceous clasts with magnetic phenocrysts. Boundaries poorly defined. Very fine grained diss pyrite approximately 1 %. Some weak potassic alteration.	66481	17.5	19.5	2.0	558	51
19.5	22.5	3.0	**BRECCIA** With pods of propylitic alteration and highly chloritic areas. Moderately to highly magnetic. Magnetite veinlet in chloritic area 20 degrees to Core Axis. approximately 2mm wide.	66482	19.5	22.5	3.0	536	113
22.5	25.5	3.0	Breccia - predominantly mafic clasts with magnetite phenocrysts and diss pyrite and chalcopyrite? Very fine grained approximately 1%. Diorite - felsic clasts - small approximately 2cm average and subrounded quartz vein approximately 3 cm in diameter - subparallel to Core Axis 30 cm long. Trace diss pyrite throughout.	66483	22.5	25.5	3.0	373	81

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
25.5	27.5	2.0	**HYBRID UNIT** Diorite / augite basalt mix. No visible plagioclase phenocrysts. Coarse grained augites - moderately magnetic. Plagioclase goundmass weakly siliceous. Pyrite and chalcopyrite pods approximately 1% . Well rounded felsic and mafic xenoliths - poddy propylitic alteration.	66484	25.5	27.5	2.0	400	41
27.5	29.5	2.0	Hybrid Unit - same as above - no albitization.	66485	27.5	29.5	2.0	469	65
29.5	32.3	2.8	Hybrid Unit - Fine grain section with weak potassic and propylitic alteration and moderate albitization throughout - moderately siliceous. Approximately 1 -2 % diss chalcopyrite - magnetite filling fractures.	66486	29.5	32.3	2.8	2768	1810
32.3	34.3	2.0	Hybrid Unit - mafic moderately magnetic - augites and chlorite. Plagioclase - fine grain in groundmass - chlorite rich groundmass - trace diss chalcopyrite. Moderately siliceous - trace hematite - bright red.	66487	32.3	34.3	2.0	236	52
34.3	36.3	2.0	Hybrid Unit - Fine grain mafic with coarse grain remnant augite phenocrysts and medium grain to fine grain plagioclase phenocrysts - diss chalcopyrite approximately 1 %. Interval of moderate albitization with quartz veins - 40 cm interval 35.1 -35.5	66488	34.3	36.3	2.0	604	31
34.4	36.3	2.0	Same as above with pod of weak potassic and albite alteration.	66489	34.3	36.3	2.0	321	17
36.3	38.3	2.0	Same as above.	66490	36.3	38.3	2.0	586	33
38.3	41.9	1.6	Same as above,	66491	38.3	41.9	1.6	736	61
41.9	43.9	2.0	**HYBRID UNIT** Augite basalt - coarse to medium grained sub-enhedral augites with 1 - 3 % pyrites and trace chalcopyrite? Very fine grain. Increased amount of sulfides in medium grain augite areas.	66492	41.9	43.9	2.0	256	16

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
43.9	46.2	2.3	Same as above.	66493	43.9	46.2	2.3	499	28
46.2	48.2	2.0	Hybrid Unit - mafic with diorite groundmass - groundmass also partially chloritized. Plus very fine grained mafic with weak propylitic and albitization - trace diss pyrite and chalcopyrite?	66494	46.2	48.2	2.0	233	13
48.2	51.2	3.0	Hybrid Unit - dioritic groundmass with small (1 -2 cm) , angular felsic and mafic clasts. Non magnetic. No sulfides. Local areas of potassic and propylitic alteration. Siliceous.	66495	48.2	51.2	3.0	27	86
51.2	53.7	1.5	Hybrid Unit - fine grained mafic with local potassic and propylitic alteration. No plagioclase or augite phenocrysts. Moderately magnetic. Silica vein with potassic alteration and mafic xenoliths within trace diss pyrite.	66496	51.2	53.7	1.5	164	46
53.7	54.5	1.8	Hybrid Unit - zone of heavily chloritic and argillically altered. Moderately magnetic. No sulfides. Augite phenocrysts. Magnetic.	66497	53.7	54.5	1.8	242	30
54.5	57.5	3.0	Hybrid Unit - Augite basalt with zone of chlorite and argillic alteration. Moderately magnetic. No sulfides. Groundmass altered chlorite.	66498	54.5	57.5	3.0	46	5
57.5	59.4	1.9	Hybrid Unit - Fine grained mafic unit with potassic, propylitic and siliceous veining - moderately magnetic - moderately siliceous.	66499	57.5	59.4	1.9	495	36
59.4	60.6	1.2	Hybrid Unit - Highly veined segment with quartz - calcite vein and moderately - potassic	66500	59.4	60.6	1.2	254	23

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
			and propylitic alteration of surrounding host rock. Dioritic host rock with chlorite rich groundmass. Coarse grained augites in host altered - chlorite.						
60.6	63.6	3.0	Hybrid Unit - Fine grain mafic with trace diss pyrite, moderately magnetic. Dioritic xenolith with propylitic alteration. Weak potassic alteration through mafic xenolith - chlorite rich groundmass.	66151	60.6	63.6	3.0	99	12
63.6	65.6	2.0	Same as above with felsic rounded xenolith - fine grained - diorite.	66152	63.6	65.6	2.0	253	76
65.6	67.3	1.7	Hybrid Unit - same fine grained mafic as described above with argillic alteration in 20cm interval. End of interval getting into coarse grained plagioclase and augite unit with chlorite rich groundmass.	66153	65.6	67.3	1.7	1120	118
67.3	73.3	6.0	Hybrid Unit - Unit similar to augite - plagioclase unit from DDH 96-3 very coarse grained enhedral augite and plagioclase phenocrysts in a chlorite rich groundmass - moderately magnetic.	66154	67.3	73.3	6.0	832	105
73.3	75.3	2.0	Hybrid Unit - dark black augite - plagioclase phenocryst - coarse grained mix with chlorite rich groundmass and weak serpentization - light green. 1 % diss pyrite and trace chalcopyrite - moderately magnetic.	66155	73.3	75.3	2.0	331	51
75.3	77.3	2.0	Same as above.	66156	75.3	77.3	2	474	16
77.3	80.3	3.0	Hybrid Unit - sub-anhedral, coarse grained plagioclase and augite phenocrysts - appears to be partially assimilated. Very fine grained chloritic rich groundmass with trace diss pyrite. Plagioclase phenocrysts show weak potassic alteration and pods of weak propylitic alteration.	66158	77.3	80.3	3.0	1243	135
80.3	83.3	3.0	Same as above.	66157	80.3	83.3	3.0	1006	104
83.3	84.3	1.0	Same as above with moderately propylitic alteration and slightly more siliceous.	66158	83.3	84.3	1.0	667	68

From (m)	To (m)	Length (m)	Description	Sample #	From (m)	To (m)	Width (m)	Cu (ppm)	Au (ppb)
84.3	87.3	3.0	Hybrid Unit - sections of poorly defined coarse grained plagioclase and augite phenocrysts with chlorite rich groundmass to pods of dense coarse to medium grained - enhedral plagioclase phenocrysts with coarse grained to very coarse grained enhedral augite. Augite moderately altered chlorite. Quartz veinlets - whole interval moderately magnetic.	66159	84.3	87.3	3.0	639	56
87.3	90.0	2.7	Hybrid Unit - coarse grained subhedral augite phenocrysts in a chlorite and plagioclase rich groundmass. Plagioclase phenocrysts show potassic alteration and albitization. Pods of propylitic alteration. Weakly magnetic.	66160	87.3	90.0	2.7	1169	67
90.0	91.7	1.7	Same as above.	66161	90.0	91.7	1.7	391	64
91.7	93.7	2.0	Hybrid Unit - Fine grained with chlorite rich groundmass. Augite and plagioclase and phenocrysts very fine grained+E94. Magnetite veinlets - 40 -50 degrees to Core Axis.	66162	91.7	93.7	2.0	86	14
93.7	95.5	1.8	Same as above with pod of strong propylitic alteration.	66163	93.7	95.5	1.8	51	4
95.5	97.5	2.0	Hybrid Unit - Strong chlorite in groundmass with salt and pepper texture. Fine grain - anhedral augite and plagioclase phenocrysts. Weak potassic alteration and albitization of plagioclase phenocrysts. Weakly siliceous. Magnetite veinlets - trace diss pyrite.	66164	95.5	97.5	2.0	305	1.7
97.5	100.5	3.0	Same as above and K-spar veins with random orientation.	66165	97.5	100.5	3	152	8
100.5	103.2	2.7	Same as above and K-spark veins.	66166	100.5	103.2	2.7	174	16
103.2	105.2	2.0	Same as above with moderate K-spar alteration / flooding. END OF HOLE	66167	103.2	105.2	2	205	9

APPENDIX C

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Imperial Metals Corporation PROJECT REDGOLD File # 96-2706 Page 1

420 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Steve Robertson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb	SAMPLE lb
A 66151	1	99	<3	18	<.3	30	5	332	2.17	<2	<5	<2	<2	628	<.2	<2	<2	71	7.54	.157	5	56	.37	68	.06	9	6.19	.81	.05	3	<5	<1	12	12
A 66152	<1	253	7	22	<.3	28	7	532	2.18	<2	<5	<2	<2	510	.4	<2	<2	66	7.78	.142	6	89	.45	65	.08	8	5.21	.55	.04	2	<5	<1	76	11
A 66153	<1	1120	<3	24	.5	120	16	359	4.82	5	<5	<2	<2	613	<.2	<2	6	228	4.24	.188	5	404	1.01	394	.18	5	4.58	.54	.22	2	<5	<1	118	18
A 66154	1	832	3	51	.3	118	25	439	6.37	6	<5	<2	<2	593	.6	4	<2	333	3.50	.160	6	252	1.20	431	.22	5	3.81	.44	.25	<2	<5	<1	105	18
A 66155	1	331	<3	46	<.3	261	32	583	5.11	3	<5	<2	<2	373	<.2	3	2	233	2.66	.170	5	534	3.77	1107	.27	3	4.02	.42	.95	<2	<5	1	51	13
A 66156	1	474	6	63	<.3	270	38	783	5.40	<2	<5	<2	<2	325	<.2	<2	<2	219	2.54	.168	6	556	4.74	1115	.22	4	3.89	.34	.76	<2	<5	<1	16	13
A 66157	<1	1006	5	36	.3	208	24	455	5.75	<2	<5	<2	<2	607	<.2	<2	<2	289	4.11	.199	5	457	1.21	286	.20	<3	3.88	.37	.21	<2	<5	<1	104	16
A 66158	1	667	<3	53	<.3	150	18	535	4.32	6	<5	<2	<2	220	<.2	2	6	180	5.81	.184	4	495	1.55	40	.13	12	3.67	.05	.04	2	<5	<1	68	8
A 66159	<1	639	5	31	<.3	82	9	475	2.75	3	<5	<2	<2	793	<.2	2	5	124	6.22	.173	9	286	.86	195	.11	8	5.04	.54	.09	2	<5	3	56	18
A 66160	2	1169	<3	44	.4	131	17	479	4.01	<2	<5	<2	<2	449	.4	<2	<2	179	6.68	.141	3	314	1.50	32	.15	17	4.50	.17	.07	<2	<5	<1	67	17
RE A 66160	2	1079	<3	44	.3	134	17	474	3.93	3	<5	<2	<2	437	.3	<2	<2	176	6.64	.135	3	308	1.47	34	.15	13	4.42	.17	.06	<2	<5	<1	82	-
RRE A 66160	1	1069	<3	41	.4	129	16	449	3.70	2	<5	<2	<2	432	<.2	2	<2	165	6.37	.134	3	289	1.39	28	.15	13	4.27	.17	.06	2	<5	2	73	-
A 66161	2	391	6	28	.5	89	14	410	3.14	<2	<5	<2	<2	325	.2	2	<2	127	6.73	.221	4	253	1.26	20	.10	20	4.06	.11	.05	3	<5	<1	64	14
A 66162	<1	86	<3	54	<.3	108	30	539	7.33	4	<5	<2	<2	25	.2	<2	<2	388	2.43	.021	1	371	1.89	58	.35	<3	2.07	.02	.14	<2	<5	<1	14	14
A 66163	<1	51	<3	81	.3	84	34	598	9.11	<2	<5	<2	<2	22	.6	4	<2	488	2.29	.033	2	203	1.93	46	.38	6	1.94	.02	.11	2	<5	<1	4	15
A 66164	<1	305	<3	85	.3	31	31	833	7.96	<2	<5	<2	<2	55	<.2	<2	<2	406	4.82	.151	7	65	2.20	62	.34	12	3.61	.02	.15	<2	<5	<1	17	12
A 66165	1	152	9	77	<.3	18	20	688	5.78	<2	<5	<2	<2	59	.3	2	<2	270	3.70	.133	8	28	1.52	43	.31	8	2.83	.05	.20	2	<5	<1	8	17
A 66166	1	174	<3	77	<.3	24	26	693	6.27	<2	<5	<2	<2	67	.3	<2	<2	317	3.74	.137	8	38	1.79	118	.34	7	3.03	.04	.33	<2	<5	<1	16	16
A 66167	1	205	4	84	<.3	26	22	706	6.30	<2	<5	<2	<2	51	<.2	<2	<2	306	3.90	.142	9	37	1.83	69	.33	10	3.09	.04	.27	<2	<5	<1	9	15
A 66168	<1	1243	3	31	.3	196	17	422	3.92	2	<5	<2	<2	343	<.2	<2	<2	192	4.34	.224	5	519	1.23	157	.15	5	3.05	.19	.14	<2	<5	<1	135	16
A 66448	1	309	<3	51	<.3	64	9	875	3.02	10	<5	<2	2	57	.3	3	<2	153	8.85	.172	9	203	1.07	16	.16	18	4.05	.03	.04	2	<5	<1	110	17
A 66449	<1	784	9	40	<.3	53	6	797	3.03	5	<5	<2	2	79	.4	<2	<2	169	8.84	.161	8	205	.98	24	.19	17	3.89	.05	.04	<2	<5	<1	175	17
A 66450	1	1049	5	40	.3	95	10	609	2.46	3	<5	<2	<2	196	.2	3	4	121	7.86	.167	8	191	1.00	13	.13	18	4.05	.10	.05	<2	<5	1	338	18
RE A 66450	1	1056	4	42	.3	94	8	618	2.51	<2	<5	<2	<2	198	.4	<2	<2	123	8.02	.173	9	195	1.03	16	.14	20	4.13	.10	.05	<2	<5	<1	317	-
RRE A 66450	1	1088	<3	40	.4	93	8	610	2.49	2	<5	<2	2	202	.4	4	4	121	7.96	.172	9	191	1.03	21	.13	18	4.03	.10	.04	<2	<5	<1	430	-
A 66451	1	481	3	46	<.3	103	10	666	2.66	<2	<5	<2	2	86	<.2	<2	<2	117	7.29	.191	9	193	1.13	46	.13	20	3.60	.05	.08	<2	<5	1	199	17
A 66452	1	304	4	50	<.3	94	12	609	2.37	3	<5	<2	2	103	.9	2	<2	112	7.57	.211	8	201	1.04	23	.12	24	3.86	.04	.05	<2	<5	<1	69	11
A 66453	1	1316	3	30	.4	43	3	572	2.38	<2	<5	<2	2	222	.3	<2	<2	124	7.86	.176	8	147	.54	34	.12	18	3.45	.11	.05	<2	<5	<1	403	19
A 66454	<1	813	10	31	<.3	47	8	665	2.44	3	<5	<2	<2	160	<.2	<2	2	118	6.70	.169	8	130	.99	53	.15	16	3.40	.09	.09	<2	<5	<1	141	18
A 66455	<1	347	<3	40	<.3	24	3	891	2.48	11	<5	<2	2	192	.8	<2	3	134	8.69	.176	8	134	.37	15	.16	20	3.44	.09	.03	3	<5	<1	273	18
A 66456	<1	365	3	35	<.3	30	5	877	2.41	5	<5	<2	2	121	<.2	2	4	121	7.73	.226	10	129	.48	37	.15	14	3.03	.06	.07	<2	<5	1	116	18
A 66457	1	67	4	24	<.3	23	5	554	1.68	4	<5	<2	<2	369	<.2	<2	<2	77	7.07	.211	5	89	.41	28	.09	18	3.61	.17	.06	<2	<5	<1	19	17
A 66458	1	83	3	30	<.3	41	7	705	2.06	3	<5	<2	<2	237	.2	<2	<2	82	7.04	.164	5	121	.92	29	.09	18	4.02	.09	.06	2	<5	<1	36	17
A 66459	<1	25	3	38	<.3	27	6	757	1.99	7	<5	<2	<2	68	.2	<2	<2	95	8.51	.183	7	98	.53	6	.12	16	3.53	.02	.01	<2	<5	<1	8	15
A 66460	<1	173	4	31	<.3	33	7	560	1.78	<2	<5	<2	<2	133	.4	<2	<2	64	6.39	.147	5	93	1.05	14	.09	13	3.37	.06	.05	<2	<5	<1	25	16
A 66461	7	274	<3	40	<.3	136	23	532	3.66	6	<5	<2	<2	81	.5	<2	<2	155	5.87	.208	6	260	1.84	59	.20	8	3.91	.03	.08	<2	<5	1	13	16
STANDARD C2/AU-R	21	60	41	143	6.3	72	36	1230	4.12	42	18	7	34	54	21.1	17	24	74	.56	.090	41	65	1.03	197	.09	27	2.10	.06	.15	11	<5	2	532	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 9 1996 DATE REPORT MAILED: July 17/96 SIGNED BY. [signature] ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Imperial Metals Corporation PROJECT REDGOLD FILE # 96-2706

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb	SAMPLE lb
A 66462	5	589	6	38	<.3	130	31	472	3.08	<2	<5	<2	<2	72	.2	2	3	101	7.13	.133	6	184	1.20	33	.13	14	4.51	.03	.03	5	<5	<1	34	17
A 66463	2	630	<3	44	<.3	103	11	684	2.98	2	<5	<2	2	53	.7	2	<2	125	7.46	.157	8	201	1.13	19	.13	10	3.74	.03	.03	3	<5	<1	111	16
A 66464	1	185	3	58	<.3	96	11	795	2.99	2	<5	<2	2	88	.4	2	2	136	7.69	.198	9	234	1.28	25	.14	18	3.96	.04	.03	3	<5	1	40	19
A 66465	1	803	11	43	.4	45	4	895	2.63	3	<5	<2	2	40	.7	<2	4	128	8.73	.184	9	140	.72	6	.14	15	3.56	.02	.01	<2	<5	2	273	17
A 66466	1	349	10	47	<.3	38	7	1013	2.66	4	<5	<2	2	63	.8	<2	6	113	8.83	.135	8	147	.80	12	.15	13	3.51	.02	.02	2	<5	2	92	16
A 66467	<1	433	<3	69	<.3	46	8	1160	3.03	<2	<5	<2	2	46	.7	<2	2	124	9.21	.168	9	134	.72	18	.13	9	3.56	.02	.02	<2	<5	<1	334	19
A 66468	1	253	6	57	<.3	40	7	1249	3.09	4	<5	<2	2	64	.9	<2	5	121	8.41	.149	9	153	.97	12	.14	7	3.39	.03	.03	2	<5	<1	426	19
A 66469	1	188	9	46	<.3	48	8	971	2.53	2	<5	<2	2	124	1.1	<2	<2	109	8.74	.160	7	105	.76	26	.11	16	3.92	.06	.03	<2	<5	<1	76	17
A 66470	1	385	<3	40	<.3	103	21	718	3.72	3	<5	<2	<2	74	.9	<2	8	152	6.90	.162	7	244	1.52	72	.16	15	4.20	.05	.06	4	<5	<1	25	15
A 66471	1	167	7	55	<.3	81	13	632	3.25	2	<5	<2	<2	66	.5	2	2	141	7.42	.166	7	181	1.45	98	.15	15	4.44	.04	.07	3	<5	<1	14	17
A 66472	<1	259	8	45	<.3	84	13	607	3.19	3	<5	<2	2	82	.7	<2	3	125	8.28	.175	5	216	1.59	7	.13	23	5.05	.03	.01	3	<5	<1	13	17
RE A 66472	<1	274	9	46	<.3	86	17	624	3.27	<2	<5	<2	2	83	.3	<2	3	127	8.45	.176	6	219	1.62	10	.13	16	5.16	.03	.01	5	<5	<1	15	-
RRE A 66472	<1	262	6	46	<.3	87	14	604	3.11	7	<5	<2	<2	79	.5	2	2	121	8.14	.174	6	209	1.55	13	.13	22	4.96	.03	.01	4	<5	<1	18	-
A 66473	1	138	5	42	<.3	66	9	939	3.86	<2	<5	<2	2	59	.7	2	<2	157	9.98	.148	7	196	1.04	8	.16	13	4.32	.02	.01	<2	<5	<1	6	16
A 66474	1	22	6	56	<.3	46	8	880	3.35	4	<5	<2	2	91	1.0	<2	4	127	8.61	.179	7	181	1.27	13	.13	14	4.46	.04	.02	<2	<5	<1	4	16
A 66475	26	167	10	63	<.3	82	18	773	3.57	7	<5	<2	2	51	.7	<2	5	151	8.00	.148	8	196	1.60	29	.17	16	4.59	.02	.05	<2	<5	<1	12	14
A 66476	1	171	9	77	<.3	27	20	709	5.81	6	<5	<2	2	69	<.2	3	5	279	3.45	.149	10	45	1.78	70	.28	10	3.07	.05	.33	<2	<5	<1	7	16
A 66477	1	253	3	90	<.3	28	19	968	6.32	5	<5	<2	<2	121	1.0	<2	<2	292	5.34	.163	9	51	2.33	64	.29	13	4.38	.09	.15	3	<5	1	23	17
A 66478	1	1786	11	79	.7	70	12	726	5.23	6	<5	<2	<2	576	.5	<2	7	220	6.03	.088	3	184	1.67	25	.17	8	5.02	.23	.08	<2	<5	<1	165	13
A 66479	<1	7990	15	32	3.6	108	9	497	5.73	<2	<5	3	<2	129	.3	<2	2	273	3.40	.056	2	354	1.28	32	.22	<3	2.68	.12	.08	<2	<5	<1	1990	11
A 66480	1	1349	<3	26	.5	61	8	496	4.69	<2	<5	<2	<2	388	<.2	2	<2	207	6.37	.077	3	159	1.05	57	.15	4	4.68	.19	.09	5	<5	<1	295	15
A 66481	<1	558	<3	37	<.3	62	15	503	4.40	8	<5	<2	<2	176	1.1	<2	<2	164	6.30	.075	4	138	1.55	58	.15	6	5.12	.06	.10	<2	<5	<1	51	10
A 66482	<1	536	6	36	<.3	58	10	549	4.48	4	<5	<2	<2	158	<.2	3	5	163	6.23	.089	4	131	1.39	49	.16	7	4.60	.04	.08	6	<5	<1	113	14
RE A 66482	1	537	5	38	<.3	53	12	551	4.54	2	<5	<2	<2	156	.2	<2	2	163	6.15	.083	4	132	1.39	48	.15	9	4.57	.05	.08	<2	<5	<1	101	-
RRE A 66482	<1	591	5	38	<.3	62	12	563	4.69	5	<5	<2	<2	169	<.2	<2	3	171	6.21	.092	4	138	1.46	55	.17	9	4.68	.05	.10	<2	<5	1	70	-
A 66483	1	373	3	32	<.3	51	10	323	3.68	5	<5	<2	<2	212	.9	2	4	171	3.75	.078	4	136	1.13	105	.15	8	3.68	.09	.20	2	<5	<1	81	13
A 66484	<1	400	7	37	<.3	67	14	479	4.84	<2	<5	<2	<2	146	<.2	<2	4	208	4.16	.083	4	167	1.31	76	.20	<3	3.52	.12	.13	<2	<5	<1	41	17
A 66485	1	469	3	27	<.3	60	8	339	3.93	6	<5	<2	<2	229	.5	<2	2	188	3.27	.099	4	173	1.02	151	.19	5	2.96	.21	.17	4	<5	<1	65	12
A 66486	1	2768	<3	22	.5	35	6	407	4.33	<2	<5	<2	<2	269	.9	<2	8	114	4.74	.128	4	102	1.12	11	.10	5	3.39	.15	.02	7	<5	<1	1810	12
A 66487	1	236	10	36	<.3	50	13	387	4.54	<2	<5	<2	<2	285	.7	<2	<2	201	2.49	.083	3	131	1.53	91	.18	4	2.97	.32	.12	<2	<5	<1	52	13
A 66488	<1	604	3	26	<.3	48	18	237	3.79	42	<5	<2	<2	488	.7	<2	<2	141	4.36	.099	3	92	.67	88	.09	<3	4.20	.44	.08	4	<5	<1	31	12
A 66489	1	321	8	59	<.3	85	21	327	4.87	3	<5	<2	<2	587	<.2	<2	9	192	3.61	.084	2	154	1.06	90	.11	<3	4.55	.50	.11	2	<5	<1	17	13
A 66490	1	586	5	56	<.3	110	34	382	5.76	2	<5	<2	<2	983	1.0	<2	3	243	5.23	.019	2	253	.95	115	.14	<3	7.01	.67	.12	4	<5	<1	33	13
A 66491	1	736	5	33	<.3	64	17	324	5.13	<2	<5	<2	<2	1098	.8	2	7	233	5.53	.072	2	150	.72	104	.11	9	6.65	.73	.07	4	<5	<1	61	11
A 66492	1	256	<3	62	<.3	49	31	621	7.35	<2	<5	<2	<2	513	1.4	<2	8	365	4.03	.072	2	92	1.63	129	.29	3	4.82	.42	.10	2	<5	1	16	12
A 66493	1	499	5	42	<.3	64	52	461	6.88	6	<5	<2	<2	379	.8	<2	<2	231	3.07	.064	2	87	1.48	72	.17	<3	4.28	.33	.14	<2	<5	<1	28	15
A 66494	<1	233	<3	19	<.3	22	13	145	1.99	<2	<5	<2	<2	779	.2	<2	<2	56	5.20	.154	3	47	.23	56	.03	8	5.94	.71	.04	<2	<5	<1	13	14
STANDARD C2/AU-R	20	60	35	140	6.2	74	34	1202	3.99	42	21	8	35	54	19.4	16	21	74	.55	.089	42	69	1.00	208	.09	24	2.10	.07	.15	11	<5	2	517	-

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb	SAMPLE lb
A 66495	1	27	<3	18	<.3	14	5	380	1.58	<2	<5	<2	<2	1030	<.2	<2	<2	51	7.47	.129	5	57	.52	97	.05	8	6.33	.93	.04	<2	<5	<1	86	17
A 66496	1	164	<3	37	<.3	46	19	465	5.76	<2	<5	<2	<2	793	.2	<2	<2	236	5.96	.086	2	144	.77	124	.14	8	5.54	.63	.11	2	<5	<1	46	13
A 66497	2	242	<3	57	<.3	71	32	643	9.81	<2	<5	<2	<2	50	.2	11	<2	393	4.49	.052	1	153	1.71	67	.29	6	3.10	.03	.13	<2	<5	1	30	5
A 66498	<1	46	<3	33	<.3	70	28	554	8.66	<2	<5	<2	<2	549	<.2	4	<2	346	4.15	.063	1	196	1.16	182	.24	<3	4.17	.35	.23	<2	<5	<1	5	18
A 66499	1	495	<3	22	<.3	79	19	436	5.68	3	<5	<2	<2	1050	.4	<2	<2	245	7.62	<.001	1	247	.86	102	.13	6	6.82	.61	.10	<2	5	1	36	15
A 66500	<1	254	<3	13	<.3	50	13	296	3.78	<2	<5	<2	<2	698	.2	<2	2	150	5.90	.092	2	191	.56	95	.08	8	5.21	.57	.08	<2	<5	<1	23	18
STANDARD C2/AU-R	20	55	37	125	6.0	69	35	1113	3.77	41	25	7	34	50	19.8	17	15	67	.55	.095	39	57	1.00	185	.07	29	1.97	.06	.14	11	<5	2	561	-

Sample type: CORE.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Imperial Metals Corporation PROJECT REDGOLD File # 96-2595 Page 1

420 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Steve Robertson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb	SAMPLE lb
A 66351	2	53	8	25	<.3	3	5	329	2.87	<2	<5	<2	<2	41	<.2	2	3	137	1.62	.086	7	7	.51	42	.10	4	1.05	.07	.14	2	<5	1	10	5
A 66352	2	51	3	26	<.3	5	6	363	2.79	2	<5	<2	<2	44	<.2	<2	<2	134	2.06	.078	7	6	.62	35	.12	3	1.36	.05	.12	<2	<5	2	19	10
A 66353	1	85	6	25	<.3	3	5	330	2.74	<2	<5	<2	<2	33	<.2	<2	<2	133	2.30	.078	7	5	.58	28	.10	<3	1.29	.05	.10	<2	<5	<1	26	10
A 66354	2	80	<3	25	<.3	4	5	319	2.78	<2	<5	<2	<2	46	<.2	3	4	129	1.89	.078	8	6	.49	35	.10	<3	1.04	.06	.11	2	<5	<1	19	17
A 66355	1	523	3	26	<.3	3	5	295	2.56	<2	<5	<2	<2	106	<.2	2	<2	120	1.67	.080	7	6	.40	48	.09	4	.87	.06	.12	2	<5	1	104	17
A 66356	3	198	<3	25	<.3	7	6	296	2.82	<2	<5	<2	<2	70	<.2	<2	<2	129	1.66	.083	8	7	.42	48	.10	4	.93	.07	.12	<2	<5	1	63	18
A 66357	2	148	<3	25	<.3	2	5	313	2.71	<2	<5	<2	2	33	<.2	<2	<2	125	1.69	.080	7	6	.43	30	.09	4	.85	.06	.11	<2	<5	1	25	9
A 66358	3	233	<3	24	.3	7	6	500	2.52	20	<5	<2	2	55	<.2	2	<2	121	3.09	.075	8	6	.65	39	.10	<3	1.30	.05	.10	<2	<5	2	40	18
A 66359	1	231	4	25	<.3	3	4	281	2.51	<2	<5	<2	2	51	.2	<2	<2	118	1.46	.075	7	5	.35	47	.09	4	.78	.07	.12	<2	<5	<1	31	18
A 66360	1	418	<3	27	<.3	3	6	283	2.85	3	<5	<2	<2	47	<.2	<2	<2	131	1.46	.083	7	6	.39	36	.08	5	1.01	.06	.10	2	<5	1	185	11
RE A 66360	1	430	7	27	<.3	3	5	289	2.85	2	<5	<2	<2	48	<.2	<2	4	132	1.46	.081	7	6	.39	36	.08	5	1.02	.06	.10	2	<5	1	342	-
RRE A 66360	3	430	4	28	<.3	4	6	308	2.98	<2	<5	<2	<2	55	<.2	<2	2	137	1.55	.084	7	7	.40	40	.10	4	1.13	.09	.11	<2	<5	1	439	-
A 66361	1	347	4	28	<.3	1	6	364	2.95	4	<5	<2	<2	60	<.2	<2	<2	138	1.87	.085	8	6	.51	43	.10	6	1.24	.08	.12	<2	<5	<1	43	14
A 66362	1	1078	7	27	.3	6	6	319	2.95	2	<5	<2	<2	39	<.2	<2	<2	141	1.41	.081	7	6	.43	39	.09	4	.96	.07	.13	2	<5	1	341	12
A 66363	3	198	5	28	<.3	9	7	425	2.99	2	5	<2	<2	46	.2	<2	<2	136	1.99	.079	7	6	.66	25	.09	4	1.28	.06	.11	<2	<5	<1	262	6
A 66364	1	300	5	28	<.3	4	6	570	2.59	<2	5	<2	<2	66	<.2	<2	<2	128	5.03	.071	7	5	.62	29	.09	<3	1.58	.05	.09	2	<5	2	29	16
A 66365	3	179	<3	28	<.3	9	5	418	2.88	<2	<5	<2	2	49	<.2	<2	<2	132	2.66	.081	8	6	.44	31	.09	4	1.08	.07	.14	2	<5	1	66	16
A 66366	1	1207	<3	31	<.3	5	5	470	2.88	<2	<5	<2	2	40	.2	<2	<2	132	2.33	.080	8	7	.73	26	.11	3	1.42	.05	.10	2	<5	1	259	17
A 66367	1	182	<3	28	<.3	5	7	437	2.94	<2	<5	<2	<2	43	<.2	<2	<2	141	2.23	.078	8	6	.70	28	.12	5	1.39	.05	.09	2	<5	1	81	18
A 66368	3	367	<3	27	<.3	8	6	387	2.89	<2	<5	<2	2	32	<.2	<2	<2	137	2.41	.079	8	6	.66	28	.12	6	1.39	.06	.10	<2	<5	<1	68	12
A 66369	1	260	<3	28	<.3	4	7	431	3.02	<2	<5	<2	2	52	.2	2	<2	134	2.29	.083	8	8	.67	42	.14	6	1.13	.07	.11	3	<5	1	47	12
A 66370	2	946	<3	23	<.3	6	7	667	2.63	3	<5	<2	3	51	.3	<2	3	127	4.12	.069	8	9	.70	33	.14	<3	1.00	.05	.15	2	<5	1	104	16
RE A 66370	2	961	5	24	.3	5	5	671	2.64	<2	<5	<2	3	51	<.2	<2	<2	127	4.15	.070	8	10	.70	28	.14	<3	.97	.05	.14	3	<5	<1	114	-
RRE A 66370	2	922	<3	22	.3	4	6	649	2.58	3	<5	<2	3	50	<.2	<2	<2	124	4.00	.069	8	9	.68	28	.13	5	.96	.05	.14	<2	<5	1	119	-
A 66371	3	980	4	62	<.3	110	22	927	5.33	<2	<5	<2	<2	115	.3	2	3	212	6.71	.129	9	323	1.96	27	.21	16	4.42	.03	.06	<2	<5	5	158	10
A 66372	1	347	<3	56	<.3	107	26	1030	4.85	6	<5	<2	<2	78	<.2	2	3	202	6.68	.135	7	239	2.64	17	.28	17	4.46	.03	.06	3	<5	1	48	10
A 66373	2	479	5	76	<.3	83	33	991	4.65	7	<5	<2	<2	67	.2	<2	2	200	5.08	.139	7	138	2.23	33	.26	15	3.57	.03	.07	<2	<5	2	39	14
A 66374	1	74	3	58	<.3	11	16	769	4.44	<2	<5	<2	2	45	<.2	2	<2	197	5.15	.120	7	12	1.38	33	.23	9	3.40	.04	.11	<2	<5	1	11	13
A 66375	2	127	5	88	<.3	15	23	1051	5.96	4	<5	<2	2	69	.4	<2	<2	274	5.79	.152	8	10	1.83	54	.28	12	4.00	.04	.12	<2	<5	2	11	14
A 66376	1	147	<3	102	<.3	20	27	1098	7.04	5	<5	<2	<2	59	<.2	<2	<2	338	6.41	.164	8	25	2.22	91	.34	10	4.57	.03	.17	<2	<5	4	17	17
A 66377	3	566	3	82	<.3	74	31	1059	6.29	<2	<5	<2	<2	62	<.2	<2	5	294	7.78	.143	6	148	2.38	48	.30	8	5.26	.03	.08	<2	<5	1	57	17
A 66378	2	267	<3	63	<.3	63	22	853	4.55	8	<5	<2	<2	67	.5	<2	<2	199	5.67	.145	7	129	1.89	110	.28	8	3.66	.03	.15	3	<5	1	18	17
A 66379	1	108	<3	86	<.3	45	19	841	4.81	2	<5	<2	<2	238	<.2	2	3	236	6.20	.171	7	100	1.55	92	.21	7	4.09	.10	.12	<2	<5	1	12	17
A 66380	2	97	<3	56	<.3	61	10	828	2.96	5	<5	<2	<2	242	.5	<2	<2	128	7.31	.146	7	148	1.20	37	.13	13	4.27	.11	.05	<2	<5	1	28	18
A 66381	2	400	<3	63	<.3	95	20	875	3.16	5	<5	<2	<2	64	<.2	<2	<2	127	8.25	.146	7	168	1.30	18	.13	15	4.29	.03	.04	<2	<5	<1	43	18
A 66382	1	195	4	50	<.3	49	11	537	2.22	5	<5	<2	<2	393	.3	<2	<2	108	5.52	.172	7	116	.75	52	.11	9	3.43	.20	.06	2	<5	4	31	19
STANDARD C2/AU-R	21	57	40	143	6.1	72	38	1189	3.90	38	25	8	36	53	19.1	17	23	72	.53	.088	39	63	.99	204	.08	26	2.04	.06	.15	14	<5	2	471	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 4 1996 **DATE REPORT MAILED:** ________ **SIGNED BY**.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb	SAMPLE lb
A 66383	1	151	15	61	<.3	40	15	740	4.06	9	<5	<2	2	228	.6	<2	<2	174	6.68	.178	8	148	1.19	80	.19	10	4.44	.14	.09	<2	<5	<1	10	16
A 66384	1	615	5	58	<.3	18	27	686	5.68	20	<5	<2	<2	181	1.1	<2	<2	209	3.27	.208	8	17	1.40	183	.34	6	3.41	.11	.39	<2	<5	2	19	9
A 66385	2	48	5	34	<.3	7	8	393	3.25	2	<5	<2	<2	49	.3	<2	<2	143	3.43	.090	8	7	.55	39	.14	8	2.22	.05	.11	<2	<5	3	4	14
A 66386	1	116	4	44	<.3	22	11	541	3.50	2	<5	<2	2	137	.2	<2	3	154	3.95	.112	8	44	.83	41	.17	5	2.69	.10	.10	<2	<5	2	18	14
A 66387	2	185	<3	56	<.3	34	15	701	3.82	3	<5	<2	2	257	.8	<2	<2	167	5.74	.139	7	97	.86	91	.20	9	3.19	.15	.12	2	<5	2	14	15
A 66388	<1	246	<3	67	<.3	53	31	722	6.15	<2	<5	<2	<2	110	.5	<2	<2	289	3.59	.148	6	75	1.99	264	.41	7	3.34	.07	.37	<2	<5	3	12	15
A 66389	2	458	4	76	<.3	38	23	800	5.76	3	<5	<2	<2	245	<.2	<2	<2	285	5.39	.181	7	77	1.61	215	.29	8	3.96	.13	.22	<2	<5	1	100	12
A 66390	1	187	4	30	<.3	5	4	370	2.95	<2	<5	<2	<2	62	<.2	2	4	143	1.45	.083	8	6	.49	32	.10	4	1.28	.07	.10	<2	<5	1	53	13
A 66391	2	323	4	31	<.3	6	4	397	2.77	10	<5	<2	<2	80	.2	<2	<2	130	1.91	.078	7	6	.48	39	.09	7	1.41	.08	.10	<2	<5	1	106	14
A 66392	1	94	4	64	<.3	68	12	874	3.45	3	<5	<2	2	89	.5	<2	4	167	8.36	.150	8	174	1.09	31	.15	12	4.03	.04	.05	<2	<5	<1	7	14
A 66393	2	6841	4	24	2.5	6	3	333	3.35	2	<5	<2	2	27	<.2	<2	3	160	1.07	.071	6	8	.33	36	.10	<3	.55	.06	.11	<2	<5	<1	2057	7
A 66394	2	9371	6	24	4.3	7	2	332	2.99	42	<5	3	3	35	<.2	<2	3	138	1.35	.063	6	5	.48	31	.09	4	.82	.06	.10	<2	<5	2	2376	9
RE A 66394	2	9636	5	26	4.1	7	3	337	3.09	46	<5	3	2	36	<.2	<2	<2	143	1.38	.066	6	6	.50	34	.10	4	.84	.06	.11	<2	<5	1	3388	-
RRE A 66394	1	11632	7	27	5.0	5	2	359	3.22	53	<5	3	2	38	<.2	<2	2	151	1.56	.070	6	7	.53	38	.10	3	.92	.07	.11	2	<5	1	6435	-
A 66395	1	922	<3	24	<.3	2	3	307	2.72	<2	<5	<2	2	26	<.2	<2	2	129	1.11	.074	6	7	.33	35	.11	7	.69	.06	.10	2	<5	1	656	7
A 66396	3	817	<3	30	.4	4	4	347	2.82	5	<5	<2	2	38	<.2	<2	3	131	1.41	.080	6	6	.35	40	.10	7	.96	.06	.11	<2	<5	1	365	12
A 66397	1	1295	4	34	.5	4	5	373	3.01	2	<5	<2	<2	70	<.2	<2	4	140	1.37	.086	7	7	.41	41	.09	<3	1.07	.08	.12	2	<5	2	429	14
A 66398	2	811	5	33	.3	3	4	388	2.90	7	<5	<2	<2	70	<.2	<2	<2	132	1.58	.080	6	6	.37	47	.09	4	1.15	.08	.12	<2	<5	<1	294	15
A 66402	1	408	<3	32	<.3	2	3	394	2.84	3	<5	<2	<2	38	<.2	<2	3	130	1.45	.077	6	5	.44	27	.09	3	.94	.06	.10	<2	<5	<1	334	10
A 66403	2	384	3	29	<.3	4	4	367	2.97	4	<5	<2	2	42	.2	<2	2	139	1.53	.079	7	6	.42	41	.09	5	1.05	.07	.12	<2	<5	<1	294	15
A 66404	1	390	6	25	<.3	3	4	347	2.95	<2	<5	<2	2	40	<.2	<2	2	141	1.75	.084	7	7	.53	47	.11	7	1.03	.06	.13	<2	<5	1	135	13
A 66405	4	256	3	24	<.3	6	5	410	2.78	3	<5	<2	2	43	<.2	<2	2	150	2.01	.071	7	6	.64	38	.10	<3	1.13	.05	.11	2	<5	<1	119	13
A 66406	2	175	3	37	<.3	3	7	713	2.11	2	<5	<2	<2	83	<.2	<2	<2	122	2.76	.062	8	10	.91	34	.13	<3	1.73	.05	.16	<2	<5	2	9	9
A 66407	4	65	<3	49	<.3	6	11	1046	3.28	6	<5	<2	<2	74	<.2	<2	<2	211	3.43	.141	10	9	1.44	27	.14	<3	1.79	.06	.13	<2	<5	<1	112	9
A 66408	2	756	5	59	<.3	3	14	1293	3.66	7	<5	<2	<2	68	.4	2	4	224	4.09	.163	9	9	1.59	49	.14	3	1.72	.05	.14	<2	<5	2	51	6
A 66409	3	195	<3	43	<.3	6	7	801	2.98	<2	<5	<2	<2	50	<.2	<2	<2	172	2.15	.099	8	7	.99	44	.11	<3	.96	.06	.11	<2	<5	1	21	10
A 66410	8	335	3	35	<.3	8	6	588	2.67	<2	<5	<2	2	45	<.2	<2	3	150	2.09	.082	8	8	.87	59	.11	4	.96	.07	.15	<2	<5	1	20	10
RE A 66410	8	322	<3	34	<.3	7	5	565	2.54	<2	<5	<2	<2	44	<.2	<2	<2	142	1.95	.077	8	8	.83	61	.11	3	.93	.07	.14	<2	<5	1	13	-
RRE A 66410	7	336	<3	33	<.3	5	5	563	2.48	2	<5	<2	<2	42	<.2	<2	2	142	1.96	.077	8	6	.84	54	.11	<3	.91	.06	.12	<2	<5	2	13	-
A 66411	6	597	4	33	<.3	1	6	668	1.51	8	<5	<2	<2	63	.4	<2	<2	70	2.36	.080	9	6	.94	34	.10	4	1.90	.03	.17	<2	<5	1	162	6
A 66412	5	200	4	23	<.3	5	5	413	2.76	4	<5	<2	2	50	<.2	2	2	143	1.87	.079	7	6	.65	43	.10	3	1.07	.05	.12	<2	<5	1	26	15
A 66413	1	85	5	23	<.3	2	4	437	2.41	<2	<5	<2	2	51	<.2	<2	2	120	2.60	.076	8	6	.66	29	.11	<3	.99	.05	.10	2	<5	<1	19	17
A 66414	3	76	3	23	<.3	6	4	328	2.56	<2	<5	<2	2	81	<.2	<2	<2	118	1.66	.073	6	5	.54	40	.09	<3	.79	.06	.11	<2	<5	1	14	17
A 66415	1	70	3	24	<.3	3	4	336	2.71	<2	<5	<2	2	65	.3	<2	3	130	1.36	.073	7	6	.34	38	.09	<3	.86	.06	.11	2	<5	1	15	18
A 66416	3	79	5	23	<.3	3	4	314	2.46	<2	<5	<2	<2	33	<.2	<2	<2	116	1.38	.068	7	6	.39	33	.08	3	.99	.07	.11	<2	<5	1	37	19
A 66417	1	206	3	21	<.3	<1	4	401	2.51	<2	<5	<2	2	68	<.2	<2	<2	119	1.74	.075	7	5	.47	31	.08	3	1.16	.09	.10	2	<5	<1	130	17
A 66418	2	258	<3	23	<.3	5	5	347	2.78	<2	<5	<2	2	38	.2	<2	<2	137	1.21	.085	7	6	.36	33	.08	<3	.71	.06	.11	2	<5	1	219	17
STANDARD C2/AU-R	20	58	40	143	6.1	75	37	1196	3.97	38	21	8	36	54	20.1	16	24	75	.55	.088	41	65	1.01	211	.09	25	2.10	.07	.15	13	<5	2	469	-

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb	SAMPLE lb
A 66419	2	103	<3	28	<.3	<1	5	458	2.60	2	<5	<2	2	56	<.2	<2	<2	128	2.31	.074	7	6	.52	29	.09	4	1.48	.06	.10	<2	<5	<1	25	12
A 66420	1	105	5	30	<.3	2	5	362	2.82	<2	<5	<2	2	58	<.2	<2	<2	147	1.42	.080	7	7	.54	36	.10	5	1.16	.07	.11	<2	<5	<1	32	14
A 66421	2	177	4	28	<.3	2	7	558	3.14	<2	<5	<2	3	47	.2	<2	<2	176	9.82	.065	6	5	.92	15	.09	7	5.01	.04	.05	<2	<5	1	92	5
A 66422	2	64	7	32	<.3	3	9	471	3.23	2	<5	<2	<2	136	.4	<2	<2	190	2.19	.096	6	7	.88	79	.14	5	2.01	.09	.16	<2	<5	1	20	10
A 66423	2	129	<3	28	<.3	3	5	566	2.60	3	<5	<2	<2	53	.3	<2	<2	162	1.90	.079	6	6	.54	52	.11	3	.92	.06	.13	<2	<5	1	32	15
A 66424	4	168	<3	24	<.3	3	7	623	3.27	<2	<5	<2	2	44	<.2	<2	<2	191	2.53	.092	6	6	.68	41	.09	<3	.92	.04	.13	<2	<5	<1	110	16
A 66425	4	602	4	26	<.3	2	6	745	3.02	<2	<5	<2	2	37	.3	<2	<2	178	3.44	.086	7	7	.69	32	.08	<3	.86	.04	.12	<2	<5	<1	193	17
A 66426	2	123	5	28	<.3	2	8	1117	2.68	5	<5	<2	2	152	.4	<2	<2	152	6.60	.081	7	4	.56	72	.05	4	.97	.03	.23	<2	<5	<1	6	16
A 66427	3	157	5	24	<.3	2	4	680	2.09	3	<5	<2	2	73	.3	<2	<2	112	2.58	.062	6	5	.51	41	.09	<3	.88	.05	.13	<2	<5	<1	36	16
A 66428	3	173	3	28	<.3	1	6	742	2.96	<2	<5	<2	2	48	<.2	<2	<2	175	3.02	.084	6	7	.69	34	.10	<3	.94	.05	.12	<2	<5	<1	17	15
RE A 66428	3	169	4	28	<.3	3	7	732	2.91	<2	<5	<2	<2	47	<.2	<2	<2	171	2.96	.081	6	6	.68	30	.10	<3	.91	.05	.11	<2	<5	<1	20	-
RRE A 66428	3	171	8	28	<.3	2	6	736	2.89	2	<5	<2	2	48	.2	2	<2	170	2.98	.083	6	7	.68	32	.10	<3	.90	.05	.11	<2	<5	1	14	-
A 66429	2	744	<3	23	<.3	5	8	820	3.09	<2	<5	<2	2	72	<.2	2	<2	163	3.79	.108	7	5	.79	41	.08	3	.99	.04	.13	<2	<5	1	181	16
A 66430	1	255	5	27	<.3	1	8	860	2.99	9	<5	<2	2	101	<.2	2	<2	169	5.23	.104	6	5	.73	48	.09	<3	1.26	.04	.14	<2	<5	<1	64	16
A 66431	2	592	<3	32	<.3	3	8	850	3.63	<2	<5	<2	2	49	.2	<2	<2	193	3.01	.109	7	5	.97	28	.10	<3	1.21	.04	.10	<2	<5	1	248	16
A 66432	2	554	6	27	<.3	1	9	610	3.41	3	<5	<2	<2	43	.4	<2	<2	186	2.46	.122	6	5	.81	43	.10	7	1.05	.05	.14	<2	<5	<1	81	17
A 66433	3	183	5	26	<.3	4	10	694	3.56	4	<5	<2	<2	56	.3	<2	<2	193	2.57	.108	6	5	.99	55	.12	<3	1.02	.05	.16	<2	<5	1	30	16
A 66434	2	470	5	27	<.3	<1	9	664	3.48	3	<5	<2	<2	43	.3	<2	<2	193	2.30	.081	5	7	.87	48	.12	4	.82	.05	.14	<2	<5	1	16	17
A 66435	2	585	5	26	<.3	3	8	740	3.17	<2	<5	<2	<2	49	<.2	<2	<2	176	3.00	.080	5	5	.79	45	.12	<3	.93	.05	.16	<2	<5	1	113	14
A 66436	1	438	5	32	.3	3	10	905	3.42	<2	<5	<2	<2	56	.2	<2	<2	181	3.48	.106	6	6	.99	35	.09	3	1.28	.04	.18	<2	<5	1	22	14
A 66437	2	123	5	38	<.3	3	9	698	3.73	3	<5	<2	2	186	<.2	<2	2	199	2.75	.113	6	6	.94	100	.13	7	1.52	.06	.13	<2	<5	1	146	11
A 66438	1	333	7	34	<.3	4	8	575	3.52	3	<5	<2	<2	210	<.2	<2	4	191	2.63	.107	5	6	.81	91	.12	8	1.58	.10	.12	<2	<5	1	154	14
RE A 66438	1	332	6	36	<.3	5	10	579	3.59	3	<5	<2	<2	213	.4	<2	<2	194	2.71	.110	5	6	.83	91	.12	7	1.60	.10	.13	<2	<5	1	169	-
RRE A 66438	1	328	7	34	<.3	3	8	564	3.50	2	<5	<2	<2	209	.2	<2	<2	190	2.64	.109	5	6	.81	89	.12	6	1.58	.10	.13	<2	<5	1	104	-
A 66439	2	203	<3	32	<.3	5	8	591	3.42	<2	<5	<2	<2	81	<.2	<2	<2	187	2.55	.107	5	5	.88	68	.12	5	1.24	.05	.13	<2	<5	<1	56	16
A 66440	4	197	7	35	<.3	4	9	560	3.53	3	<5	<2	<2	57	<.2	<2	<2	194	2.50	.108	5	6	.97	72	.13	3	1.44	.05	.14	<2	<5	<1	148	16
A 66441	2	128	3	51	<.3	43	12	767	3.09	6	<5	<2	2	146	.6	<2	<2	127	6.22	.134	8	82	.72	81	.18	10	3.20	.07	.21	<2	<5	<1	45	17
A 66442	24	245	3	82	<.3	145	23	756	3.41	19	<5	<2	3	41	.6	<2	5	130	6.95	.141	9	260	1.55	18	.16	10	4.29	.03	.05	<2	<5	2	24	17
A 66443	3	204	<3	70	<.3	107	19	798	2.93	23	<5	<2	4	50	.3	<2	<2	133	6.89	.140	9	200	1.18	15	.15	9	3.46	.03	.05	<2	<5	<1	49	16
A 66444	3	309	9	147	<.3	109	18	1154	3.17	<2	<5	<2	3	42	.8	<2	<2	143	7.56	.143	8	175	1.21	6	.15	7	3.12	.03	.02	<2	<5	1	44	18
A 66445	2	235	<3	86	<.3	105	16	1149	2.97	3	<5	<2	3	72	.4	<2	<2	133	7.42	.160	9	205	1.43	9	.14	10	3.59	.02	.02	<2	<5	<1	50	18
A 66446	4	232	<3	47	<.3	32	26	657	4.95	<2	<5	<2	<2	40	.6	<2	<2	220	3.69	.092	5	52	1.98	91	.40	8	3.34	.04	.20	<2	<5	1	20	17
A 66447	2	1690	3	66	.3	81	14	748	2.77	<2	<5	<2	3	44	.5	2	3	115	6.88	.161	8	186	1.06	9	.12	14	3.56	.03	.02	<2	<5	1	1009	19
STANDARD C2/AU-R	20	58	39	141	6.0	73	36	1169	3.91	43	19	8	35	53	19.5	16	23	73	.53	.086	41	67	.99	208	.09	29	2.08	.06	.15	11	<5	2	504	-

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm
A 66399	3	1138	3	31	.6	8	3	348	2.72	3	<5	<2	<2	91	<.2	<2	<2	119	1.17	.072	6	48	.24	80	.08	<3	.92	.12	.20	<2	<5	<1
A 66400	3	41104	9	42	11.7	9	<1	363	3.73	4	<5	13	2	53	.3	<2	<2	175	.82	.090	6	55	.34	63	.11	<3	.62	.09	.20	<2	<5	1
A 66401	3	2577	8	30	.7	8	3	340	2.58	57	<5	<2	2	37	.2	<2	<2	116	1.73	.072	6	34	.38	57	.09	4	.96	.10	.18	<2	<5	<1
RE A 66401	3	2527	5	31	.7	7	3	339	2.55	57	<5	<2	2	37	<.2	<2	<2	115	1.73	.069	6	35	.38	57	.09	3	.98	.10	.19	<2	<5	<1

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Assay in progress for Cu > .1%

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Imperial Metals Corporation PROJECT REDGOLD File # 96-2595 Page 4

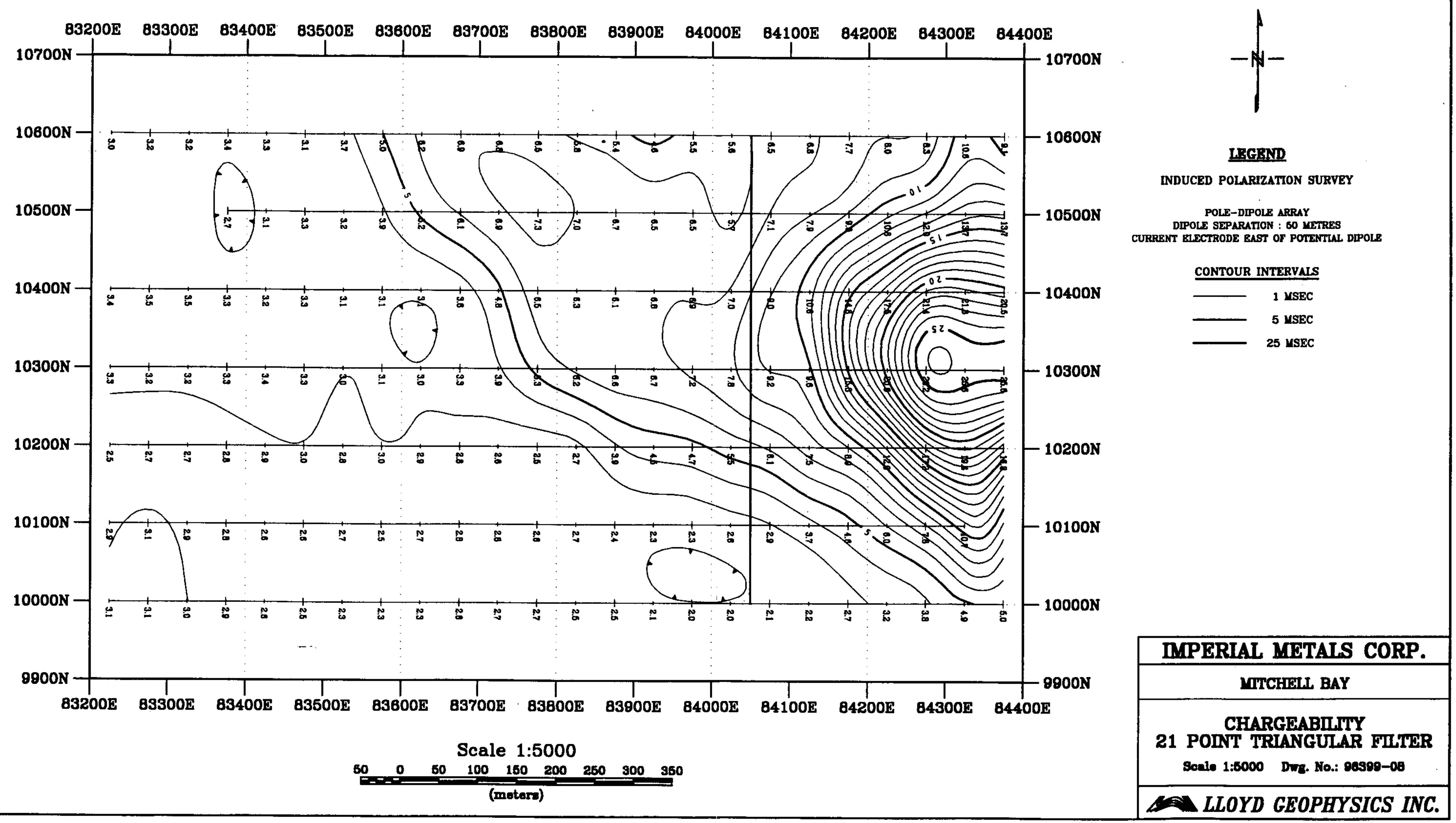
420 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Steve Robertson

SAMPLE#	S.Wt gm	Au+100 mg	+100 gm	Au-100 opt	NAu mg	AvgAu opt	DupAu opt
A 66399	661	.006	17.4	.013	<.01	.013	-
A 66400	476	1.088	14.5	.332	.92	.388	-
A 66401	664	.075	18.8	.037	.05	.039	.031

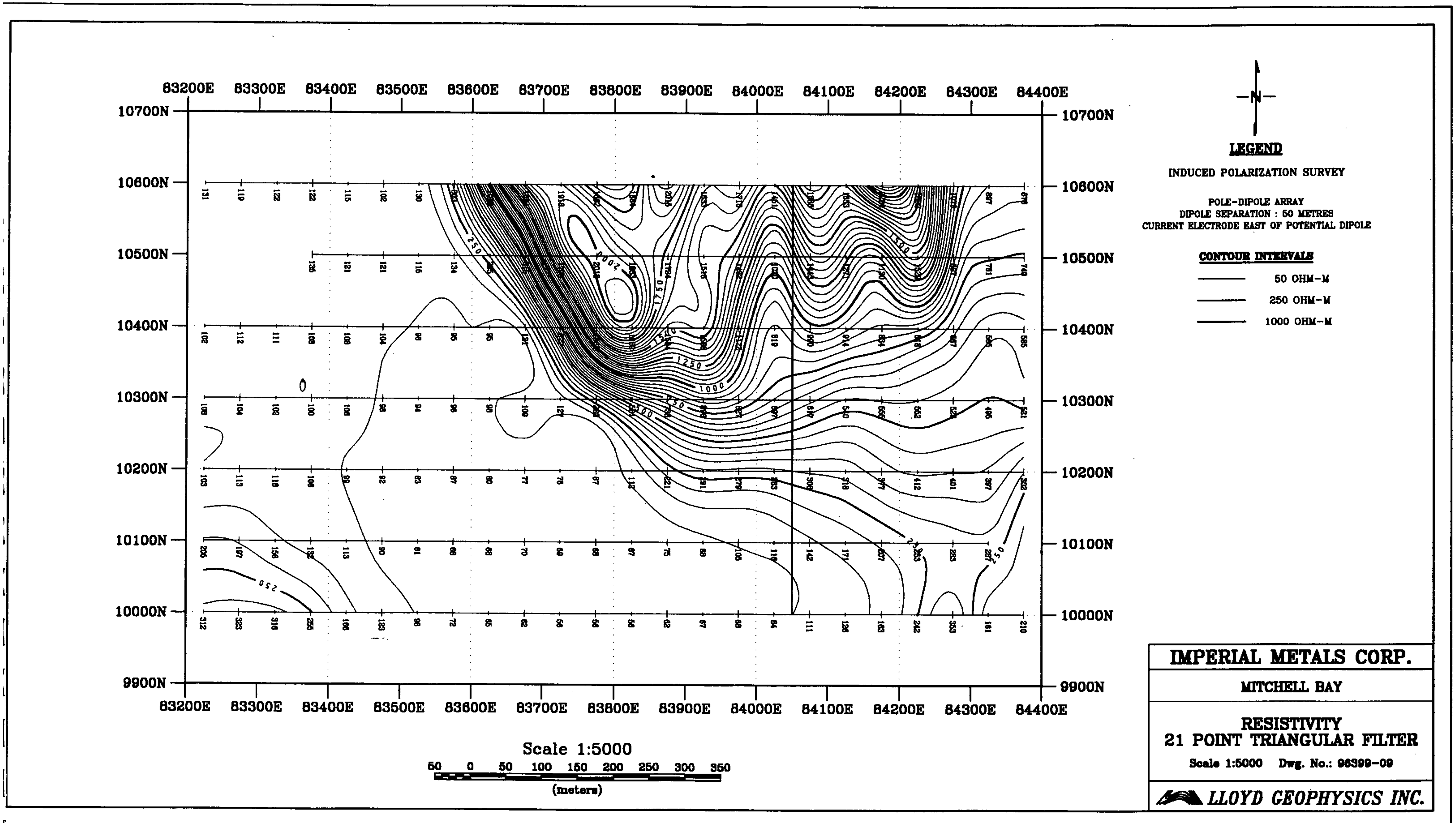
-100 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -100 MESH. +100 AU - TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE

DATE RECEIVED: JUL 4 1996 DATE REPORT MAILED: July 11/96 SIGNED BY........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

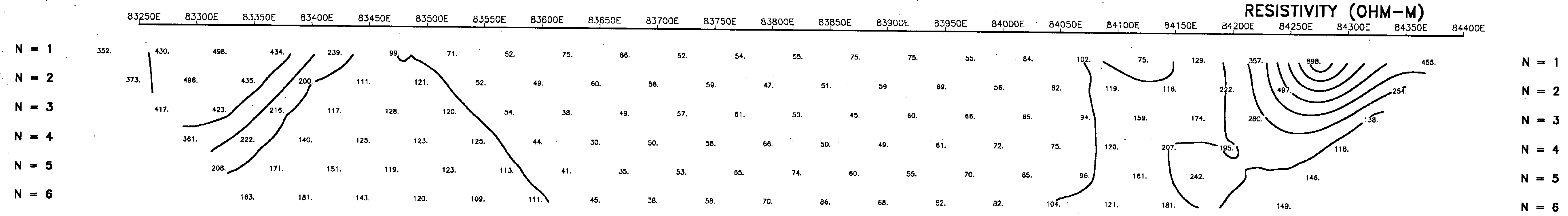
APPENDIX D

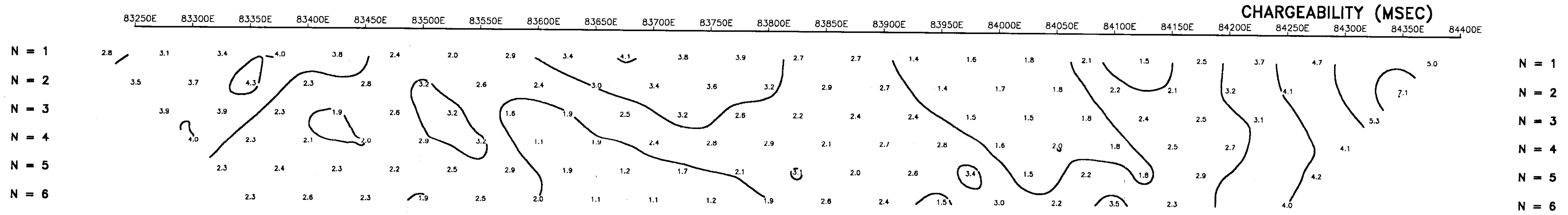


LEGEND
INDUCED POLARIZATION SURVEY
POLE-DIPOLE ARRAY
DIPOLE SEPARATION : 50 METRES
CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE
CONTOUR INTERVALS
1 MSEC
5 MSEC
25 MSEC
Scale 1:5000
(meters)
IMPERIAL METALS CORP.
MITCHELL BAY
CHARGEABILITY
21 POINT TRIANGULAR FILTER
Scale 1:5000 Dwg. No.: 96399-08
LLOYD GEOPHYSICS INC.



83200E 83300E 83400E 83500E 83600E 83700E 83800E 83900E 84000E 84100E 84200E 84300E 84400E
10700N
10600N
10500N
10400N
10300N
10200N
10100N
10000N
9900N
N
LEGEND
INDUCED POLARIZATION SURVEY
POLE-DIPOLE ARRAY
DIPOLE SEPARATION : 50 METRES
CURRENT ELECTRODE EAST OF POTENTIAL DIPOLE
CONTOUR INTERVALS
50 OHM-M
250 OHM-M
1000 OHM-M
Scale 1:5000
50 0 50 100 150 200 250 300 350
(meters)
IMPERIAL METALS CORP.
MITCHELL BAY
RESISTIVITY
21 POINT TRIANGULAR FILTER
Scale 1:5000 Dwg. No.: 96399-09
LLOYD GEOPHYSICS INC.





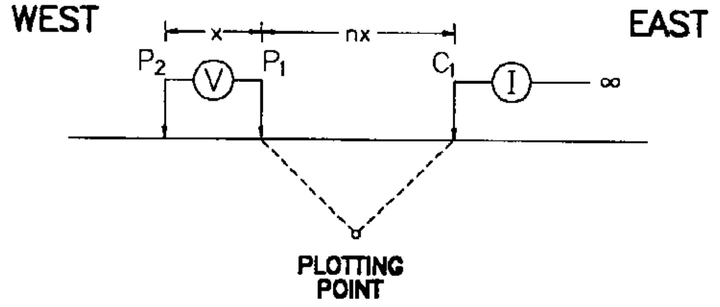
IMPERIAL METALS CORP.

MITCHELL BAY

BRITISH COLUMBIA

LINE: 10000N

POLE–DIPOLE ARRAY



x = 50m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE	▬▬▬
PROBABLE	■■■■■
POSSIBLE	//////////
AT DEPTH	••••••••

SCALE 1 : 2500

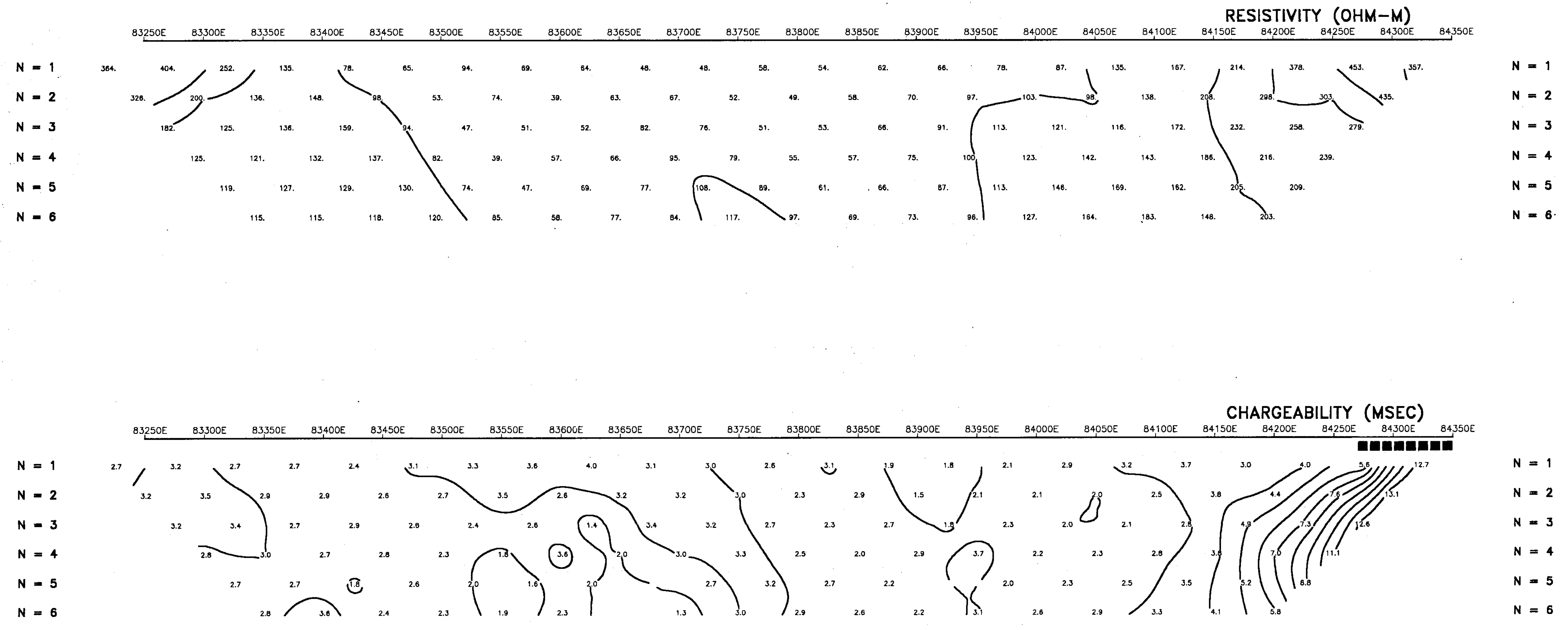
CONTOUR INTERVALS
APP.CHARGEABILITY : 1.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: NOVEMBER 17, 1996
Tx: IRIS VIP 4000
Rx: EDA IP–6

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 96399–01



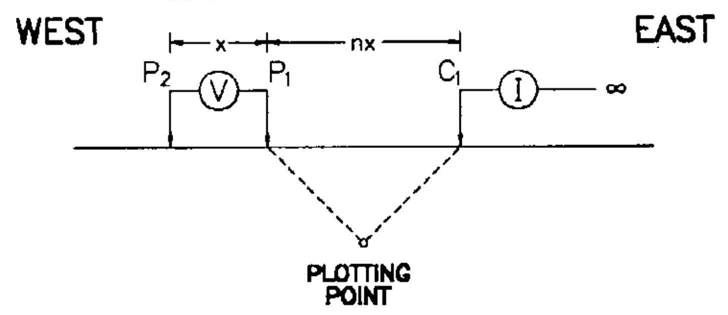
IMPERIAL METALS CORP.

MITCHELL BAY

BRITISH COLUMBIA

LINE: 10100N

POLE–DIPOLE ARRAY



x = 50m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2500

CONTOUR INTERVALS

APP.CHARGEABILITY : 1.0 (msec)

APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: NOVEMBER 16, 1996

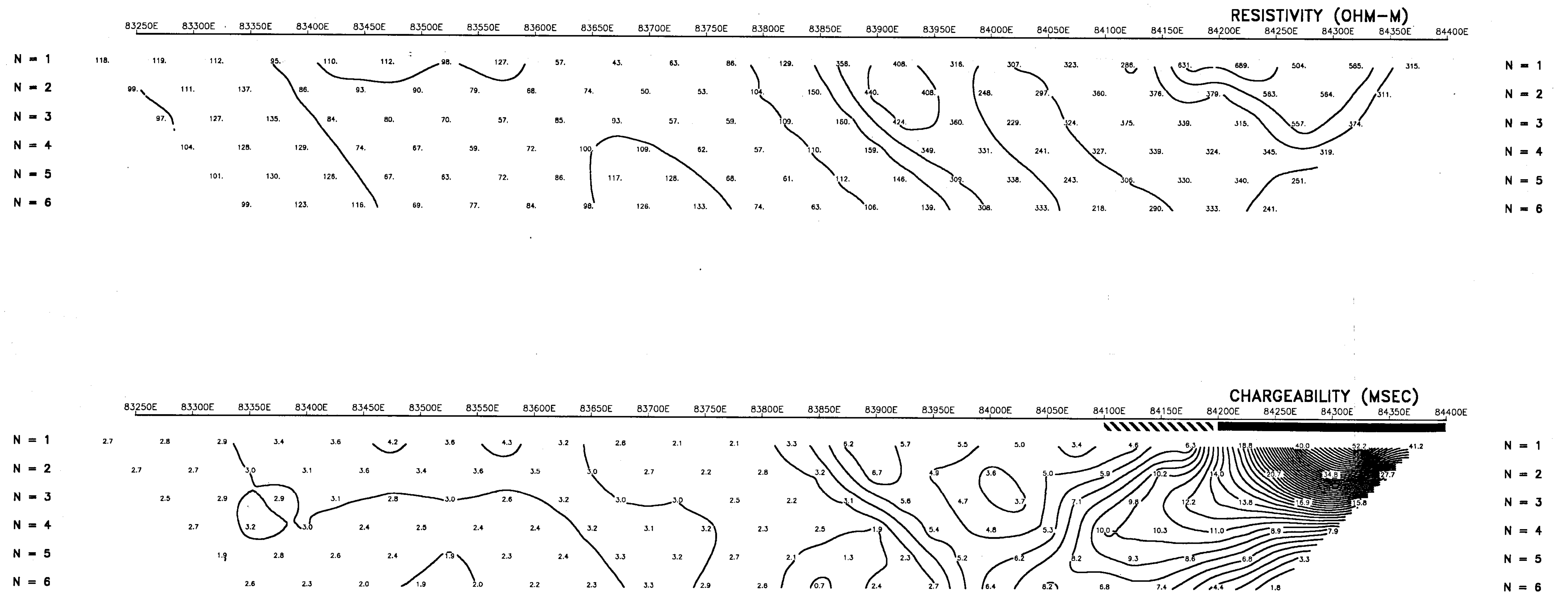
Tx: IRIS VIP 4000

Rx: EDA IP–6

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 96399–02



IMPERIAL METALS CORP.

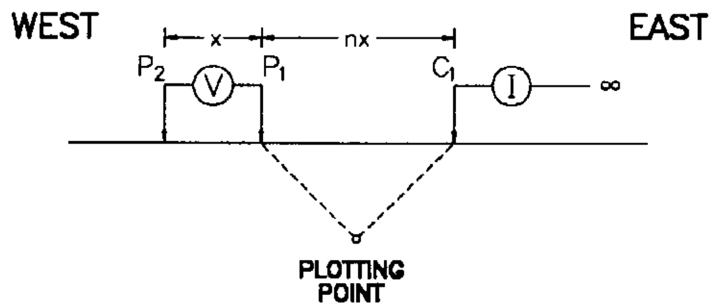
M3

MITCHELL BAY

BRITISH COLUMBIA

LINE: 10200N

POLE–DIPOLE ARRAY



x = 50m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2500

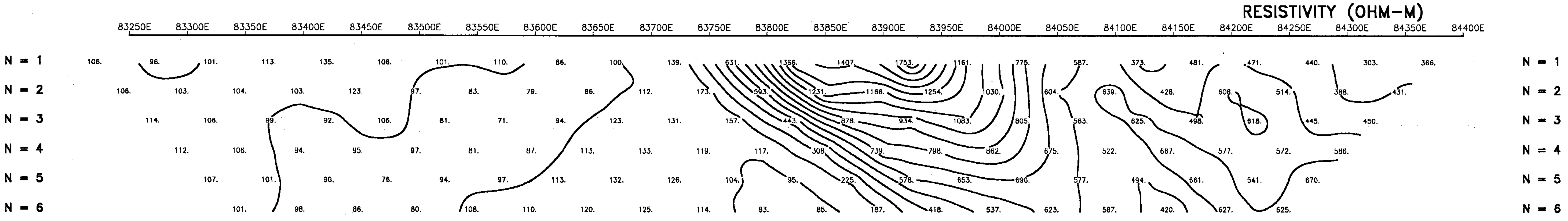
CONTOUR INTERVALS
APP.CHARGEABILITY : 1.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

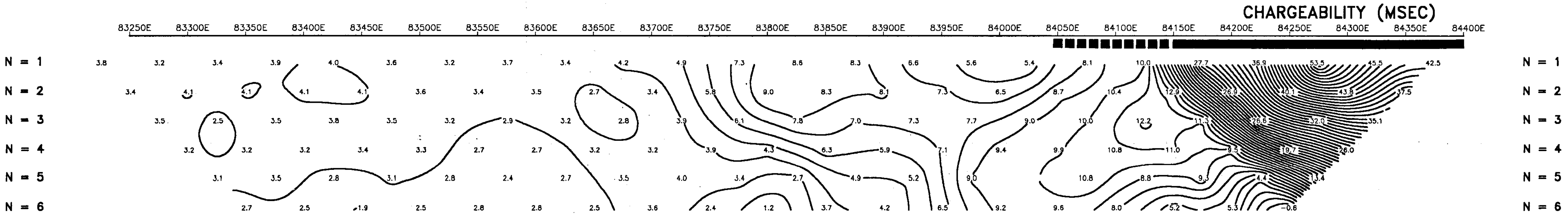
DATE SURVEYED: NOVEMBER 15, 1996
Tx: IRIS VIP 4000
Rx: EDA IP–6

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 96399–03





IMPERIAL METALS CORP.

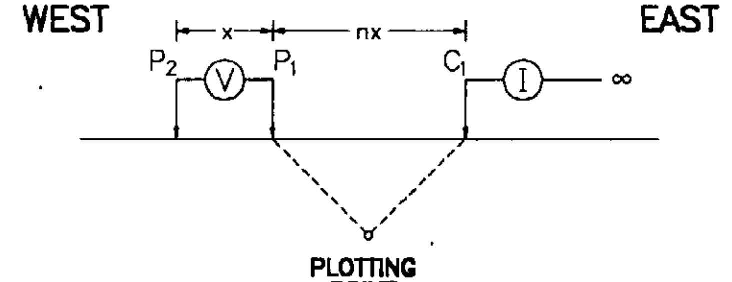
(M4)

MITCHELL BAY

BRITISH COLUMBIA

LINE: 10300N

POLE–DIPOLE ARRAY



x = 50m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2500

CONTOUR INTERVALS
APP.CHARGEABILITY : 1.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

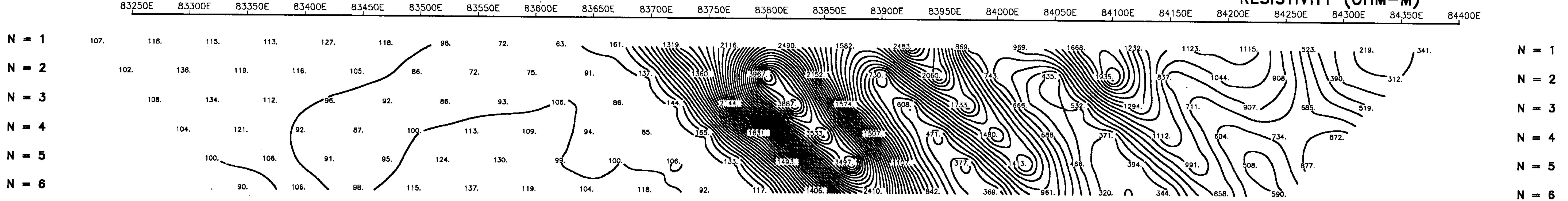
DATE SURVEYED: NOVEMBER 15, 1998
Tx: IRIS VIP 4000
Rx: EDA IP–6

LLOYD GEOPHYSICS INC.

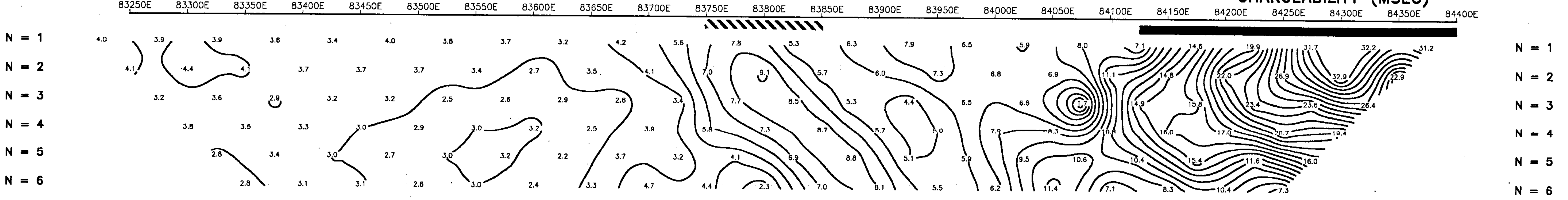
INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 98399–04

RESISTIVITY (OHM-M)



CHARGEABILITY (MSEC)



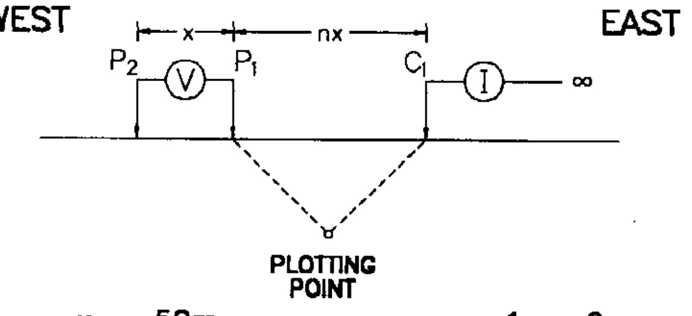
IMPERIAL METALS CORP.

MITCHELL BAY

BRITISH COLUMBIA

LINE: 10400N

POLE-DIPOLE ARRAY



x = 50m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2500

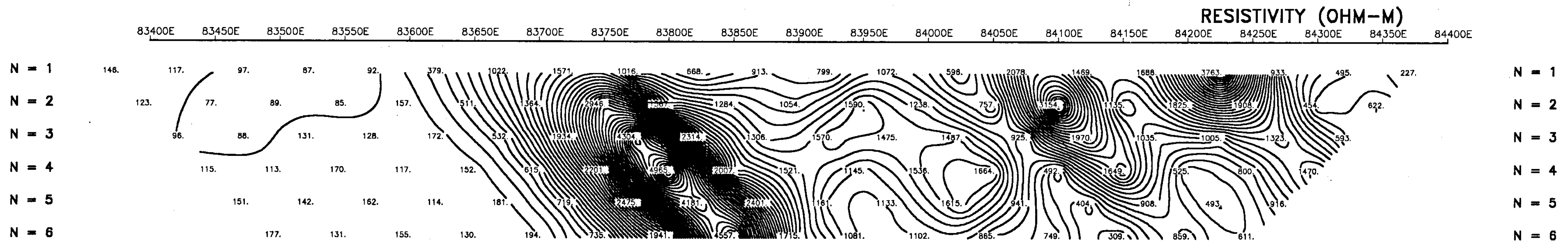
CONTOUR INTERVALS
APP.CHARGEABILITY : 1.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

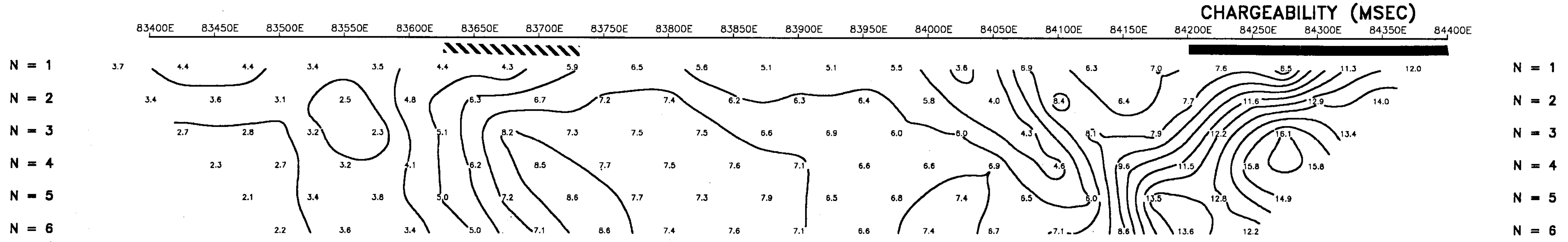
DATE SURVEYED: NOVEMBER 13, 1996
Tx: IRIS VIP 4000
Rx: EDA IP-6

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 96399-05





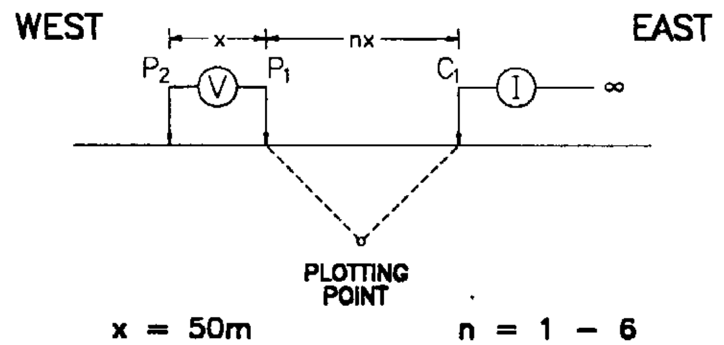
IMPERIAL METALS CORP.

MITCHELL BAY

BRITISH COLUMBIA

LINE: 10500N

POLE–DIPOLE ARRAY



x = 50m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2500

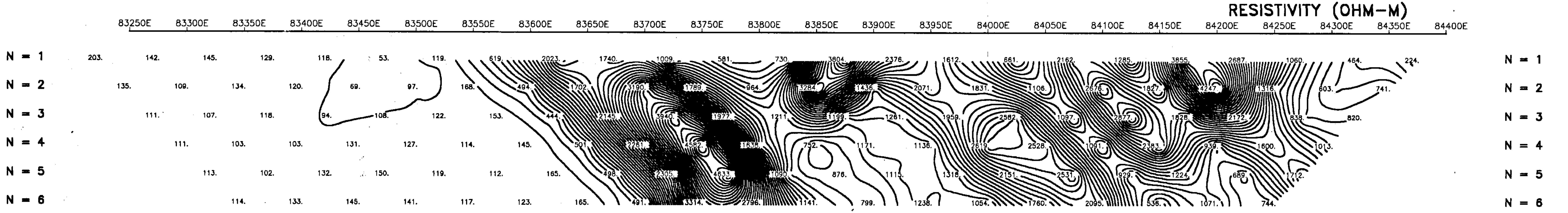
CONTOUR INTERVALS
APP.CHARGEABILITY : 1.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

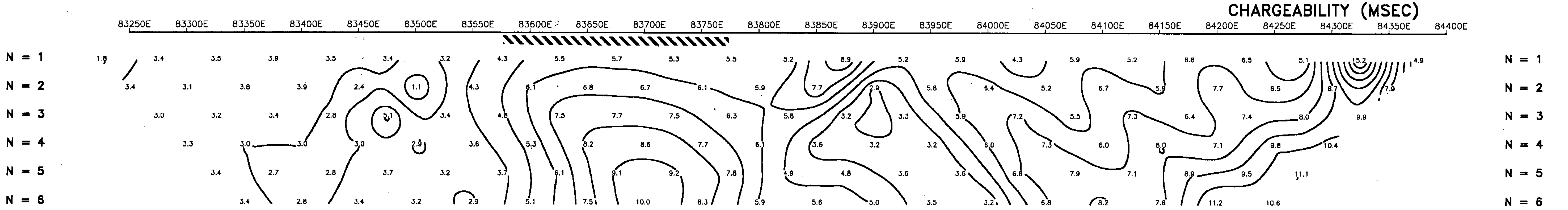
DATE SURVEYED: NOVEMBER 14, 1996
Tx: IRIS VIP 4000
Rx: EDA IP–6

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 96399–06





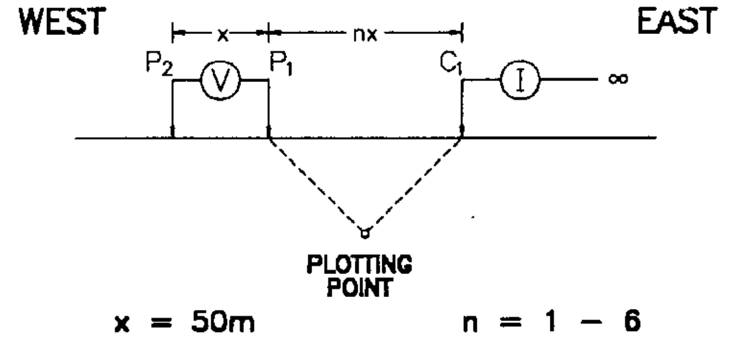
IMPERIAL METALS CORP.

MITCHELL BAY

BRITISH COLUMBIA

LINE: 10600N

POLE–DIPOLE ARRAY



x = 50m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2500

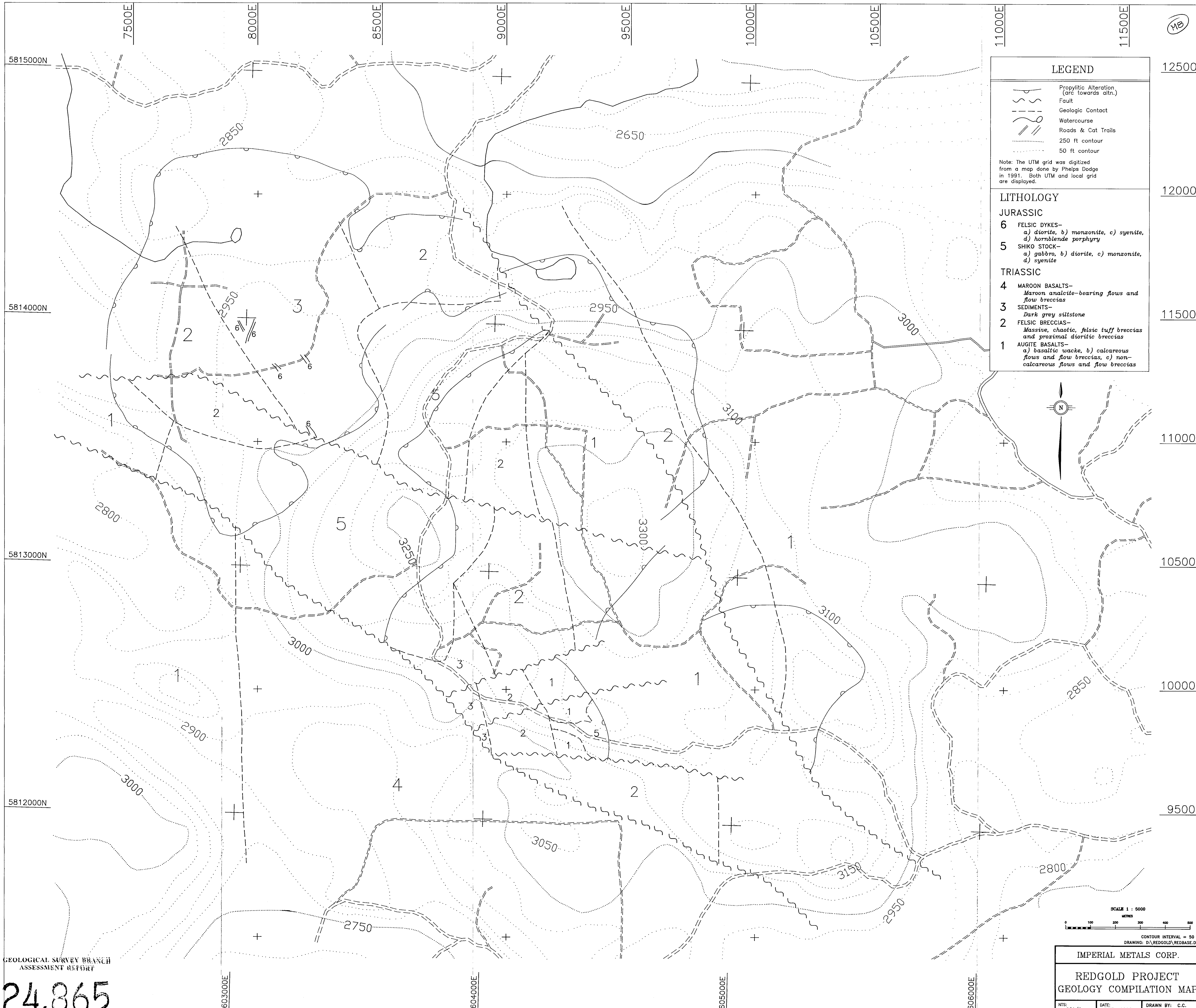
CONTOUR INTERVALS
APP.CHARGEABILITY : 1.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: NOVEMBER 14, 1996
Tx: IRIS VIP 4000
Rx: EDA IP–6

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 96399–07



LEGEND
Propylitic Alteration (arc towards altn.)
Fault
Geologic Contact
Watercourse
Roads & Cat Trails
250 ft contour
50 ft contour
Note: The UTM grid was digitized from a map done by Phelps Dodge in 1991. Both UTM and local grid are displayed.
LITHOLOGY
JURASSIC
6 FELSIC DYKES– a) diorite, b) monzonite, c) syenite, d) hornblende porphyry
5 SHIKO STOCK– a) gabbro, b) diorite, c) monzonite, d) syenite
TRIASSIC
4 MAROON BASALTS– Maroon analcite–bearing flows and flow breccias
3 SEDIMENTS– Dark grey siltstone
2 FELSIC BRECCIAS– Massive, chaotic, felsic tuff breccias and proximal dioritic breccias
1 AUGITE BASALTS– a) basaltic wacke, b) calcareous flows and flow breccias, c) non–calcareous flows and flow breccias
N
7500E
8000E
8500E
9000E
9500E
10000E
10500E
11000E
11500E
12500N
12000N
11500N
11000N
10500N
10000N
9500N
5815000N
5814000N
5813000N
5812000N
603000E
604000E
605000E
606000E
2650
2850
2950
3000
3100
3300
3250
2800
2900
3050
3150
2750
SCALE 1 : 5000
METRES
0
100
200
300
400
500
CONTOUR INTERVAL = 50 FT
DRAWING: D:\REDGOLD\REDBASE.DWG
IMPERIAL METALS CORP.
REDGOLD PROJECT
GEOLOGY COMPILATION MAP
NTS: 93A/6
DATE: DEC., 1996
DRAWN BY: C.C.
FIGURE #3