Imperial Metals
Corporation

Chisholm Lake Project
1998 Drilling Report

Claims worked on: CL1, CL4, Star #2, Star #4, Star #5, Star #16

Omineca Mining Division

54°14'N, 127°16'W

NTS 93 L/3.

Owner Operator: Imperial Metals Corporation
Suite 420 – 355 Burrard Street,
Vancouver, British Columbia
V6C 2G8

Submitted: June 10, 1999

Author: Stephen Robertson, P.Geo.

Executive Summary

The new discovery of strongly mineralized quartz monzonite boulders prompted Imperial Metals to acquire a large land position near Houston BC. The Chisholm Lake property is now known to host a previously unmapped, porphyritic quartz monzonite stock that matches the mineralogy of the boulders, and some mineralization has been discovered in bedrock.

This report describes a percussion drilling program conducted in November of 1998 to test bedrock in the area of the newly discovered mineralized boulders. The program was limited to areas of existing access along the recently constructed logging road.

The Chisholm Lake area logistics are favorable, with good road access and subdued terrain although swampy ground is common. Technically, the area provides some challenges with extensive glacial history, resulting in almost no bedrock exposure and possible strong geochemical smearing. It is therefore recommended that the first phase of exploration consist of relatively wide spaced (reconnaissance level) geochemistry and geophysical surveys, in conjunction with a detailed study of glacial history.

Once targets are established, drilling should be relatively easy in the good ground conditions expected in the quartz monzonite. This will allow testing by shallow drilling of many anomalies identified on the property during the first phase of the work. The presence of well-mineralized boulders suggests that deep drilling will not be necessary to find the target zone(s).

Total expenditures proposed for the next program are estimated at $250,000. Phase 1 will be reconnaissance style work coming in at $50,000 and the second phase will be drilling at $149,000. A property payment of $51,000 is due in the fall of 1999.

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1

Project Description

Introduction

The Chisholm Lake prospect was discovered and staked in the late summer of 1998 by local prospectors Ed and Gerry Westgarde, while prospecting a new logging road south of Houston, B.C. Imperial acquired an option and subsequently surrounded the original ten two-post claims with 260 additional units.

The prospect consists of disseminated and fracture-filled copper and molybdenum sulphide mineralization, occurring in resistant angular boulders (see below) and sub-outcrops spread over a 200 metre by 200 metre area.

Within a few months of acquiring the option, Imperial drilled a two-km stretch of the new access road adjacent to the mineralized boulders. A total of 615.8 metres of drilling in 50 holes was completed. The purpose of this work was to investigate the geology of the bedrock and test for mineralization beneath the thin yet extensive glacial till.

The drilling results were very encouraging: rock chips from bedrock matched the mineralogy of the mineralized boulders. Sulphide mineralization, albeit sparse (best intercept returned 0.49% Cu over 1.8 Metres), was encountered in at least three holes. However, given the grade (in excess of 0.5% Cu) and extent of mineralized boulders, the question remains as to the whereabouts and extent of the source of that mineralization. Further work is required to better pinpoint the area of origin of the mineralized boulders.

Ownership

The property, consisting of 10 two-post claims and 13 four-post (260 units) was optioned by Imperial Metals Corporation from prospectors Ed and Gerry Westgarde.

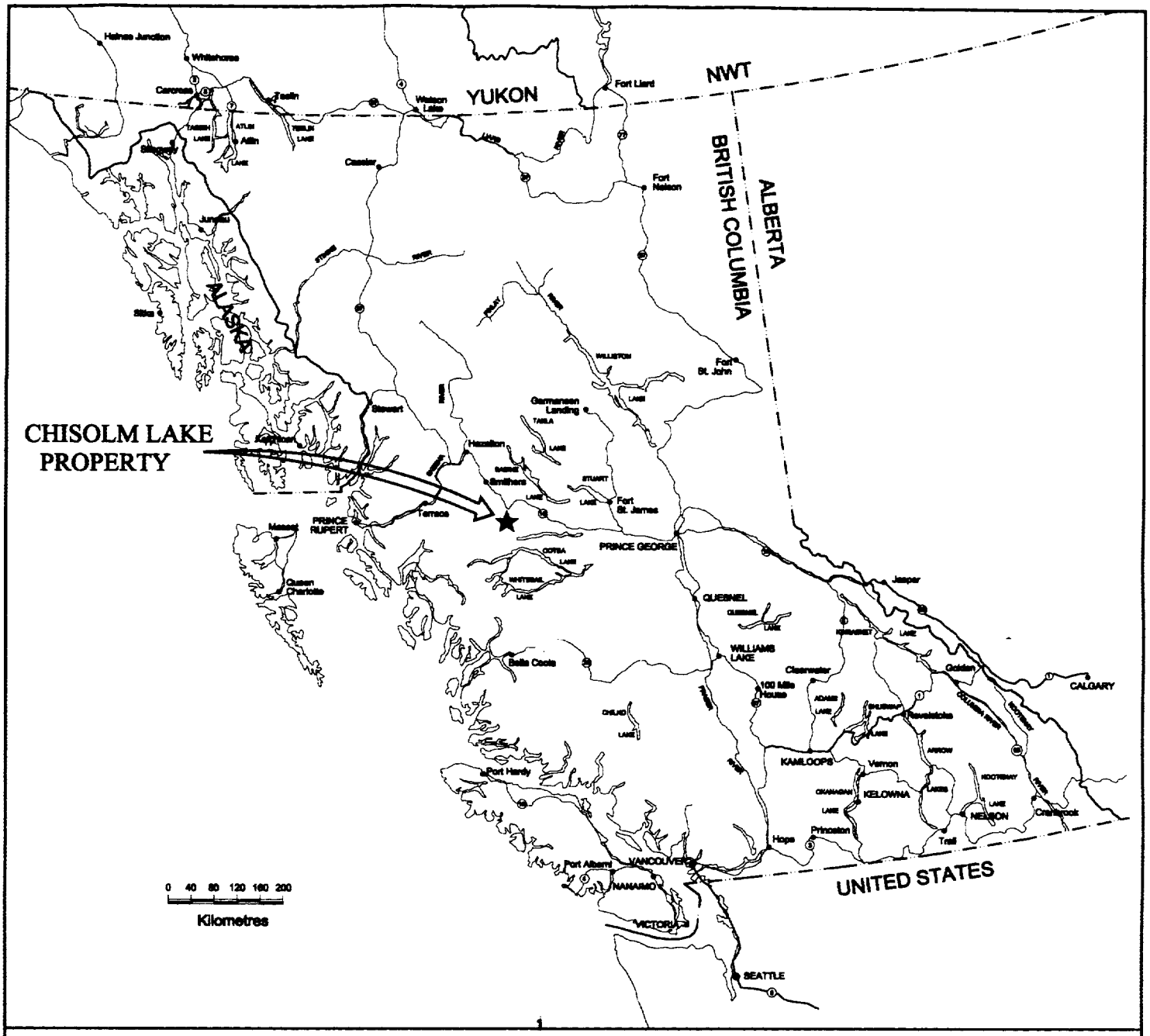
Location and Access

The Chisholm Lake Project is located in the Omineca Mining division, west central British Columbia. The property is centered on 54°14'N, 127°16'W on NTS map sheet 93 L/3. The town of Houston lies 43 km to the northeast.

Access to the property is gained by traveling south and west from Houston, B.C. over a network of well-maintained logging roads that lead directly to the showing area.

Topography

The Chisholm Lake Project lies near the western edge of the Nechako Plateau. The area is characterized by very subdued topography with small ridges amongst larger areas of low-lying, often swampy ground. Glacial features dominate the landscape. The showing area drains east into Tagit Creek, which flows into the Morice River.



Tisdall Geoservices Inc.

IMPERIAL METALS CORPORATION
CHISOLM LAKE PROJECT

PROPERTY LOCATION MAP

Drawing File:	Date:	Figure:
CL_LCTN.DWG	June, 1999	Map 1

Section

2

Geology

Regional Geology

The Chisholm Lake property is located within the Intermontane Tectonic Belt. The area is underlain predominantly by Jurassic and Early Cretaceous volcanics and sedimentary rocks, which lie unconformably over Permian sedimentary basement rocks. All units host small to medium sized stocks and zoned intrusive bodies ranging from Late Cretaceous to Early Tertiary age.

Property Geology

The claim group lies in an area with very little outcrop, and therefore, details of the property geology are still largely unknown. Geologic mapping in the area is presented in Geological Survey of Canada Open File 531, authored by H.W. Tipper (1976). Tipper shows the property to be underlain by lower Cretaceous Skeena Group volcanic and sedimentary rocks, in faulted contact with volcanics of the Jurassic Telkwa formation. To the north, plugs of the Early Jurassic Topley suite are noted.

Work on the property in 1998 (see map on following page) identified a previously unmapped quartz monzonite stock of unknown dimension, which appears very similar to the members of the Bulkley intrusive suite. These rocks are commonly found associated with mineral showings in the region. The eastern edge of the stock is observed in a recent road cut, but it can not be followed to the north, south or east due to overburden cover. Subsequent shallow drilling (see below) has identified at least a one-kilometer dimension to the intrusive stock.

Mineralization and Alteration

Alteration observed in the volcanics east of the intrusive includes moderately strong hornfelsing, with patches of sericite-clay alteration. Float boulders of this rock-type are commonly found with up to 5% disseminated pyrite content.

Intrusive rocks, both mineralized and unmineralized, appear relatively fresh with only minor degradation of feldspar minerals to clay.

Copper and copper/molybdenum mineralization is observed as both disseminated and fracture related sulfides, hosted in quartz monzonite. Molybdenite is only observed to date, as fracture related mineralization.

Section

3

Drilling

Program Design

The drilling program was designed to assess bedrock geology, underlying the extensive glacial till that masks most of the area surrounding the mineralized boulders. Holes were drilled along the newly constructed logging road that traverses the heart of the property. This allowed for easy access and quick setups, while minimizing environmental impact.

The holes were generally spaced approximately 20m apart and drilled vertically at least two full steel lengths (6.0m) into bedrock. Production was dramatically reduced when overburden thickness exceeded 6 metres, commonly necessitating the abandonment of those holes.

The program was initiated near the LCP for claims CL 1-4 and continued to the east and west to areas where the overburden was too deep to penetrate efficiently with the equipment used.

Equipment Used

Drilling was done using a Caterpillar M32 Tank Drill, owned by Similco Mines Limited. The self-propelled drill has an onboard air compressor and water tank. Most drilling was completed using a 2" diameter bit and 3m steel. Collars were used to join on additional steel to reach the desired depth.

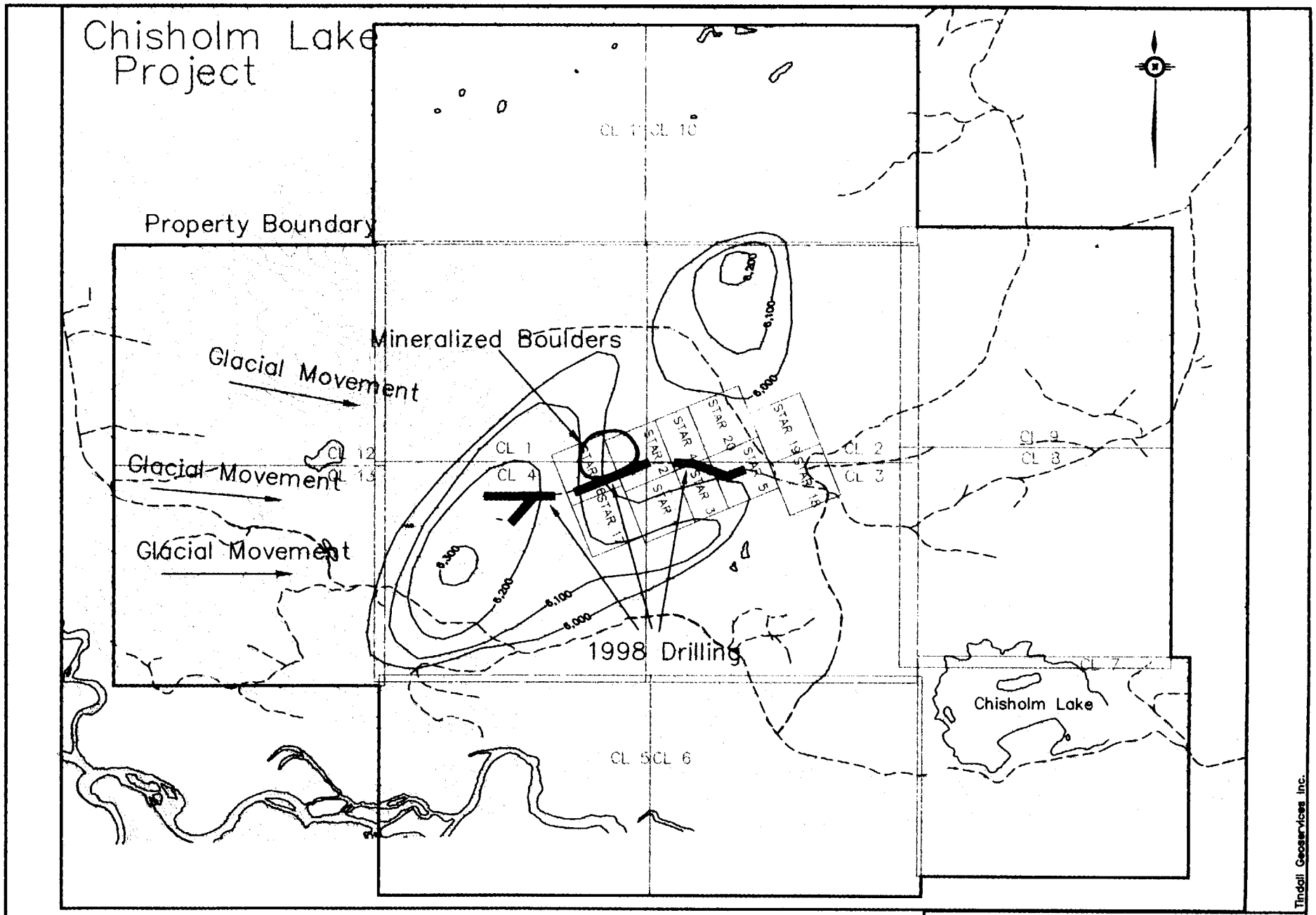
Procedure

During the drilling operation, an operator controlled the machine under the supervision of the foreman and with the assistance of a helper. In this case the helper was also an experienced driller, greatly increasing the efficiency of the work. The foreman and helper lined up the drill for placement and orientation, took notes, added and removed drill steel, serviced the machine, split samples, labeled and bagged chips and placed a representative portion of sample into a chip storage tray.

All drill hole locations were recorded using a hand held GPS unit. Each location was recorded as the average of 10 readings.

The chips produced, range from fine clay up to 0.5 cm in diameter. The fineness of the chips made sampling on the basis of geologic boundaries impractical, so samples were taken when drilling was stopped to add steel or end the hole.

The chips were logged by the author and P. McAndless using a binocular microscope. See Appendix A for drill logs.



LEGEND

Glacial Movement — Direction of Glacial Transport (B.C. Open File 2837)

Area of 1998 Drilling

Airborne, Magnetic Susceptibility (Gammas)

SCALE 1:50,000

0 200 500 1000 1500

Metres

IMPERIAL METALS CORPORATION

CHISOLM LAKE PROJECT COMPILATION MAP

Drawing file:	Scale:	Date:	Figure:
CL_COMP.DWG	1:50,000	June, 1999	Map 2

Assays

All samples were double bagged and sent to a non-arms length laboratory at Huckleberry Mine and analyzed for copper and molybdenum. The samples were dropped at the Arrow Transportation transfer facility in Houston, where they were picked up by the driver of a concentrate haulage truck and then delivered to the mine site assay lab.

The assays are intended to be used for internal purposes only and will not be used for the calculation of resource figures or be used as the sole basis for financial decisions. Assaying was only intended to provide an indication of the presence/absence of copper and/or molybdenum mineralization in the samples, as an indication of where the mineralized zones may exist.

Section

4

Proposed Program

Preamble

Mineralized quartz monzonite (and adjacent andesite) bedrock has been identified for a distance stretching over one kilometre, but the best grades have been observed in boulders of unknown origin. They are believed to be relatively proximal, being angular and appearing to match the intrusive stock observed in bedrock. This has provided an intriguing

The area surrounding the showings will be covered with a selection of reconnaissance surveys suited to the terrain. Mapping and geochemistry, followed by geophysics should provide detailed targets for follow-up drilling.

Geology

Limited exposure has resulted in the failure of regional mapping by government agencies to identify the quartz monzonite stock, now known to be at least one km across. Very little exposure is expected, but all bedrock observed will be mapped and studied in detail.

The presence of the best mineralization observed on the property to date, in float boulders suggests that the glacial history of the property must be fully understood in order to make the best use of geochemical data gathered. Consultants with experience in Quaternary Geology, ideally with some direct experience in the surrounding region will be contracted to determine the glacial history of the area, with particular emphasis on ice direction. Air photo interpretation and a site visit to map features related to ancient ice movement and glacial episodes will provide the required data.

Geochemistry

Biogeochemical sampling of trees over an area of two km by one km, with in-fill soil sampling and moss mat sampling from streams where appropriate would generate a database of over 500 samples. The biogeochemical sampling will be employed wherever possible as some areas of the property are covered by deep, impervious, clay rich till that may limit the usefulness of conventional soil sampling. Soil sampling will be used mostly in clearcuts where biogeochemical coverage is not possible. Moss mat samples will be taken from any streams or creeks encountered that have a high enough gradient to be useful.

Geophysics

The classical "porphyry-style" of alteration and mineralization observed at Chisholm Lake suggests that Induced Polarization (IP), especially chargeability, would work very well to define areas of sulfide mineralization (either pyrite halo or disseminated chalcopyrite). Once geochemistry and geological investigation have focused in on prospective areas, nine line km of IP survey will be conducted to further define drill targets.

Drilling

Drill targets generated from the reconnaissance work will be prioritized and drilled accordingly. A total of 2,150 meters of drilling is budgeted.

The presence of well-mineralized boulders suggests that deep drilling will not be necessary to determine the location of well-mineralized zones in the first pass of diamond drilling. Drilling to a depth of 150 metres should provide information on the presence and areal extent of the hydrothermal system, and grade of the mineralization. It is intended that 12 to 15 of the highest priority targets will be tested.

Shallow drilling will translate to cost savings due to lower footage costs and quicker drilling, and could allow the application of a packsack (Gopher™) drill. This would save money in road building, reclamation and bonding requirements. The risk with using such a drill is the possibility of not being able to penetrate through the overburden if the till is thicker than expected.

Access to all areas of the property should be gained relatively easily.

Section

4

Proposed Budget

The total budget of $250,000 Cdn. is summarized below. Note that the drilling costs are targeted at $60/metre. This may be underestimated and higher costs realized in the field would mean a reduction of drilled footage.

Geology	**$5,000**
Geochemistry	**$25,000**
Geophysics	**$20,000**
Phase 1 Total	***$50,000***
Drilling	**$129,000**
Reporting and Drafting	**$10,000**
Filing Fees	**$10,000**
Phase 2 Total	***$149,000***
Property Payment	**$51,000**
Total	***$250,000***

Statement of Expenditures

Wages					
	Patrick McAndless	$500	Geologist	(5)	$2,500
	Steve Robertson	$345	Geologist	(10)	$3,450
	Gary Agar	$310	Drill Foreman	(12)	$3,720
	Gary Corsi	$290	Helper	(12)	$3,480
	Sytze Kempenaar	$290	Drill Operator	(12)	$3,480
Food					$1,300
Accomodation					$2,100
Transportation			Truck Rental		$3,200
			Fuel		$830
Communications			Two-Way Radio Rental		$110
			Telephone – LD		$700
Drill			Tank Drill Rental		$2,500
			Support and Maintenance		$4,200
Assays			Acme		$180
			Bondar-Clegg		$250
			Huckleberry Mines		$800
Field Supplies					$1,000
Drafting					$1,000
Report Writing					$2,700
Subtotal					**$37,500**
Filing Fees		10% of Value of Work			$3,750
Total					**$41,250**

Statement of Qualifications

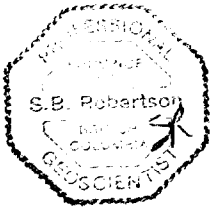
Stephen B. Robertson, P.Geo.

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 and planned the program described in this report.
- This report is based on the information gained during the 1998 field season and a review of 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 10 day of June, 1999.

Stephen Robertson, P.Geo.



List of Personnel

Patrick McAndless	Geologist	(5)	December 7 - 11
Steve Robertson	Geologist	(10)	November 19 - 28
Gary Agar	Drill Foreman	(12)	November 18 - 29
Gary Corsi	Helper	(12)	November 18 - 29
Sytze Kempenaar	Drill Operator	(12)	November 18 - 29

Appendix

A

Drill Logs

HOLE NO:	CL 98-01

Date:	NOVEMBER 19, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 6,010,513.4
	E 613,171.2
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 1.5 m drilled to 15.24m (trouble with lost circulation twice) EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-01	1.5	3	1.5		Intermediate volcanic (dust tuff) very fine grained. = 0.1% sulphide - very fine grained chalcopyrite. Trace malachite. Volcanic is strongly magnetic. Hematite coated slickensides 1.5 m - 3 m, grey-green, fine grained, minor quartz veins; felted biotite indicating hornfelsing finer chips.	0.073	<.001
CL 98-01	3	6.1	3.1		3 m - 6.1 m as above.	0.027	<.001
CL 98-01	6.1	9.1	3		6.1 m - 9.1 m as above but less sulphide and increase in quartz chips (stockwork of veinlets?).	0.019	<.001
CL 98-01	9.1	12.2	3.1		9.1 m - 12.2 m as above - Trace sulphide or mala observed in this sample. 9.1 m - 15.2 m very little sulphides.	0.027	<.001
CL 98-01	12.2	15.2	3		12.2 m - 15.2 m as above.	0.036	<.001

HOLE NO:	CL 98-02

Date:	NOVEMBER 20, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 6,010,513.8
	E 613,150.9
Azimuth:	0°
Dip:	-90°

Water: hole making too much water at 15.2 m

COMMENTS: rock at 3.3 m
tried to go 15.2 m - hole making too much water
EOH at 12.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-02	3	6.1	3.1		Mostly intermediate volcanic as in hole 01, lessor quartz chips, trace chalcopyrite in volcanic. Hornfelsed, moderate limonite, weak to moderate sericite alteration, quartz veins (0 m - 12.2 m).	0.073	0.007
CL 98-02	6.1	9.1	3		As above. Sample has 10% contamination from road fill.	0.077	0.003
CL 98-02	9.1	12.2	3.1		Sample wet - hit aquifer. Muddy matrix around volcanic chips - contaminated by road fill.	0.071	0

HOLE NO:	CL 98-03

Date:	NOVEMBER 20, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 6,010,516.0
	E 613,131.4
Azimuth:	0°
Dip:	-90°

Water: hole making too much water

COMMENTS: went down 6.1 m all alluvial
EOH after 6.1 m, no samples

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-03					No sample. 6.1 m of O/B and making water. No bedrock.		

HOLE NO:	CL 98-04

Date:	NOVEMBER 20, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 512.8
	E 118.4
Azimuth:	0°
Dip:	-90°

Water: hole making water at 6.1 m, badly washing out hole

COMMENTS: went down 9.1 m (alluvial all the way)
EOH at 9.1 m
no samples

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-04					No sample. 9.1 m of O/B and making water. No bedrock.		

HOLE NO:	CL 98-05

Date:	NOVEMBER 20, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 505.8
	E 096.6
Azimuth:	0°
Dip:	-90°

Water: water at 7 m

COMMENTS: rock at 3.3 m
drilled to 12.2 m (added a 3 m rod and lost circulation because of water)
EOH at 12.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-05	4	6.1	2.1		Intermediate volcanics with quartz stockwork trace chalcopyrite. Significant biotite. (Hornfelsed, minor pyrite, chlorite + sericite alteration, quartz veins, minor hematite, sandy section (fault?) - 0 - 12.2 m)	0.036	0.001
CL 98-05	6.1	9.1	3		As above but sample strongly contaminated by road fill.	0.037	0.001
CL 98-05	9.1	12.2	3.1		As above. Less contamination.	0.014	0.001

HOLE NO:	CL 98-06

Date:	NOVEMBER 20, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 496.3
	E 078.1
Azimuth:	0°
Dip:	-90°

Water: water at 7 m

COMMENTS: rock at 2.4 m
drilled to 12.2 m (last hole while adding 3 m of rod because of water)
EOH at 12.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-06	0	3	3		As top of last hole, heavily contaminated. (chlorite + sericite alteration, hornfelsed, moderate limonite minor quartz veins, fine-grained to sandy component - 0 m-12.2 m).	0.027	0.001
CL 98-06	3	6.1	3.1		Less contaminated, increase in chalcopyrite to 0.1%.	0.043	0.001
CL 98-06	6.1	9.1	3		As above.	0.015	0.001
CL 98-06	9.1	12.2	3.1		As above but up to 0.5% chalcopyrite. 9.1 m - 15.2 m with minor pyrite - 12.2 m-15.2 m very little sulphides.	0.07	0.001

HOLE NO:	CL 98-07

Date:	NOVEMBER 20, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 486.6
	E 062.6
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 3 m last circulation at 12.2 m EOH at 12.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-07	3	6.1	3.1		Good rock chips - trace chalcopyrite (hornfelsed, chlorite+ sericite alteration, minor pyrite with chlorite, light (quartz rich) and dark (biotite+ chlorite) chips, minor quartz veins - 0 m-12.2 m).	0.015	0
CL 98-07	6.1	9.1	3		As above.	0.016	0.001
CL 98-07	9.1	12.2	3.1		As above.	0.029	0.001

HOLE NO:	CL 98-08

Date:	NOVEMBER 20, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 477.6
	E 043.9
Azimuth:	0°
Dip:	-90°

Water: water at 7.6 m

COMMENTS: rock at 1.5 m
last 3 m (9.1 m - 12.2 m) very little sample
EOH at 12.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-08	3	6.1	3.1		Chips heavily dominated by quartz - could be intrusive - no sample. Fine to medium biotite grains, weak sericite alteration, a few flecks of chalcopyrite.	0.012	0
CL 98-08	6.1	9.1	3		Volcanics - sample wet with significant contamination. (Fine to medium dark hornfelsed chips, muddy content, minor pyrite 6.1 m-12.2 m).	0.024	0
CL 98-08	9.1	12.2	3.1		As above.	0.021	0.001

HOLE NO:	CL 98-09

Date:	NOVEMBER 21, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 469.5
	E 024.9
Azimuth:	0°
Dip:	-90°

Water: water at 8.5 m

COMMENTS: rock at 3 m
drilled to 14.6 m (lost hole, water, no circulation)
EOH at 14.6 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-09	3	6.1	3.1		Samples not put in chip cases.	0.015	0.001
CL 98-09	6.1	9.1	3		As above.	0.012	0
CL 98-09	9.1	12.2	3.1		As above.	0.014	0
CL 98-09	12.2	14.6	2.4		As above.	0.014	0.001

HOLE NO:	CL 98-10

Date:	NOVEMBER 21, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 460.5
	E 004.5
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	hit rock at 4.9 m no sample first 6.1 m EOH at 15.2 m (lost 6.1 m of rod and bit)

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-10	6.1	9.1	3		Quartz-rich intrusive, perhaps quartz monzonite, no sulphide observed. (10% quartz, weak to moderate sericite alteration, mainly sand with a few chips, very little sulphide - 0 m-15.2 m).	0.015	0.001
CL 98-10	9.1	12.2	3.1		As above.	0.012	0
CL 98-10	12.2	15.2	3		As above.	0.011	0.002

HOLE NO:	CL 98-11

Date:	NOVEMBER 21, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 6,010,445.8
	E 612,968.6
Azimuth:	0°
Dip:	-90°

Water: water at 5.5 m

COMMENTS: rock at 4.9 m
from 9.1 m to 10.7 m no sample (too much water)
EOH at 10.7 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-11	4.9	6.1	1.2		As above sample but some road fill contamination - trace molybdenite. Minor pyrite. (Weak sericite alteration in sandy component; only a few flecks of sulphide - 0 m-9.1 m).	0.015	0.001
CL 98-11	6.1	9.1	3		As above, no molybdenite.	0.012	0

HOLE NO:	CL 98-12

Date:	NOVEMBER 21, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 437.1
	E 947.1
Azimuth:	0°
Dip:	-90°

Water: water at 3 m

COMMENTS: rock at 4.6 m
drilled to 9.1 m - very little sample (lots of water)
EOH at 9.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-12	4.6	6.1	1.5		As above sample but heavily contaminated. (Fine-grained, quartz-rich sand, slightly muddy ~15% mafics, biotite appears unaltered, very little sulphide - 0 m-9.1 m).	0.015	0.001
CL 98-12	6.1	9.1	3		Clean sample - no sulphide.	0.012	0

HOLE NO:	CL 98-13

Date:	NOVEMBER 21, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 428.2
	E 930.5
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	drilled to 3.6 m - no rock hole caving badly EOH at 3.6 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-13	0	3.6	3.6		No samples. Very little saved, mainly quartz and feldspar, ~15% limonite associated with chloritized biotite.		

HOLE NO:	CL 98-14

Date:	NOVEMBER 21, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 420.3
	E 913.6
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 3 m drilled to 15.2 m - no water EOH at 15.2 m, first good hole

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-14	3	6.1	3.1		Trace malachite in intrusive.	0.015	<.001
CL 98-14	6.1	9.1	3		As above. No sulphide.	0.02	<.001
CL 98-14	9.1	12.2	3.1		As above.	0.028	<.001
CL 98-14	12.2	15.2	3		As above. Weak sericite alteration, minor chlorite alteration of biotite, few flecks of sulphide.	0.03	0.001

HOLE NO:	CL 98-15

Date:	NOVEMBER 22, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 411.8
	E 894.8
Azimuth:	0°
Dip:	-90°

Water: hit water at 6.1 m

COMMENTS: rock at 1.5 m
EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-15	1.5	3	1.5		Intrusive - no sulphide - clean sample.	0.014	<.001
CL 98-15	3	6.1	3.1		As above.	0.023	<.001
CL 98-15	6.1	9.1	3		As above.	0.011	<.001
CL 98-15	9.1	12.2	3.1		As above. Fine to medium grains quartz and feldspar and biotite with a few coarse chips, very minor hematite, weak to moderate sericite alteration, a few flecks of molybdenite, very little sulphide.	0.017	0.01
CL 98-15	12.2	15.2	3		Intrusive - no sulphide - clean sample.	0.007	<.001

HOLE NO:	CL 98-16

Date:	NOVEMBER 22, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 402.3
	E 879.1
Azimuth:	0°
Dip:	-90°

Water: slight water at 12.2 m

COMMENTS: rock at 1.8 m
drilled to 15.2 m
EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-16	1.8	3	1.2		Some good large chips, sample contaminated, no sulphide.	0.023	<.001
CL 98-16	3	6.1	3.1		As above but clean.	0.006	<.001
CL 98-16	6.1	9.1	3		As above.	0.006	<.001
CL 98-16	9.1	12.2	3.1		As above. Fine to medium grains with a few coarse chips, moderate chlorite alteration of biotite, minor sericite alteration, a few flecks of sulphide.	0.06	0.004
CL 98-16	12.2	15.2	3		Some good large chips, sample contaminated, no sulphi	0.015	<.001

HOLE NO:	CL 98-17

Date:	NOVEMBER 22, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 391.5
	E 858.7
Azimuth:	0°
Dip:	-90°

Water: water at 3 m

COMMENTS: rock at 1.5 m
drilled to 15.2 m
EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-17	1.5	3	1.5		Intrusive - very heavily contaminated. (Weak to moderate sericite alteration, few flecks of sulphide - 0 m-15.2 m).	0.022	<.001
CL 98-17	3	6.1	3.1		As above but no contamination.	0.007	<.001
CL 98-17	6.1	9.1	3		As above.		
CL 98-17	9.1	12.2	3.1		As above.		
CL 98-17	12.2	15.2	3		As above.		

HOLE NO:	CL 98-18

Date:	NOVEMBER 22, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 382.0
	E 840.6
Azimuth:	0°
Dip:	-90°

Water: water at 12.2 m

COMMENTS: rock at 2.1 m
drilled to 15.2 m
EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-18	2.1	3	0.9		Intrusive - very heavily contaminated.	0.029	0.001
CL 98-18	3	6.1	3.1		Intrusive - clean - no sulphide.	0.023	0.006
CL 98-18	6.1	9.1	3		As above - trace chalcopyrite. Moderate to intense sericite alteration, few flecks of sulphides.	0.023	0.001
CL 98-18	9.1	12.2	3.1		As above. A few chalcopyrite flecks with quartz.	0.025	<.001
CL 98-18	12.2	15.2	3		As above but contaminated. Few flecks of bornite with quartz plus a few flecks of molybdenite.	0.002	<.001
CL 98-18			0			0.018	<.001
CL 98-18			0			0.001	<.001
CL 98-18						0.109	0.015

HOLE NO:	CL 98-19

Date:	NOVEMBER 22, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 373.3
	E 821.1
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 4.6 m drilled to 15.2 m EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-19	4.6	6.1	1.5		Intrusive - may be a quartz monzonite biotite-rich. Magnetic - effervesces trace chalcopyrite. (Minor hematite plus chlorite with quartz, a few flecks of sulphide, weak to moderate sericite alteration - 0 m-15.2 m.).	0.007	<.001
CL 98-19	6.1	9.1	3		As above.	0.03	<.001
CL 98-19	9.1	12.2	3.1		As above - rare sulphide.	0.013	<.001
CL 98-19	12.2	15.2	3		As above - trace chalcopyrite.	0.033	0.001

HOLE NO:	CL 98-20

Date:	NOVEMBER 22, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 363.4
	E 801.7
Azimuth:	0°
Dip:	-90°

Water: heavy water at 3.6 m

COMMENTS:	rock at 3 m - (no sample 0 m-3 m) drilled to 15.2 m EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-20	3	6.1	3.1		Intrusive as in hole 19, rare chalcopyrite. chlorite and quartz and limonite.	0.02	<.001
CL 98-20	6.1	9.1	3		As above. A few sulphide grains.	0.025	<.001
CL 98-20	9.1	12.2	3.1		As above. A few sulphide grains.	0.046	<.001
CL 98-20	12.2	15.2	3		As above. Medium to intense sericite alteration.	0.013	0.002

HOLE NO:	CL 98-21

Date:	NOVEMBER 22, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 354.4
	E 785.8
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 2.4 m drilled to 15.2 m EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-21	2.4	3	0.6		Intrusive - more feldspar rich (less quartz). No sulphide observed.(Weak to moderate chlorite and sericite alteration minor hematite, a few flecks of sulphide - 0 m 15.2 m.)	0.021	0.001
CL 98-21	3	6.1	3.1		As above.	0.012	<.001
CL 98-21	6.1	9.1	3		As above.	0.015	<.001
CL 98-21	9.1	12.2	3.1		As above.	0.01	<.001
CL 98-21	12.2	15.2	3		As above.	0.01	<.001

HOLE NO:	CL 98-22

Date:	NOVEMBER 23, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 345.2
	E 767.8
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 1.8 m Good drilling -went 15.2 m EOH hole at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98- 22	1.8	3	1.2		~10% contaminated by fill. Intrusive as in hole 21 No sulphide. (Light grey-brown grades to darker grey-green, moderate chlorite alteration of biotite, a few sulphide flecks with chlorite and quartz - 0 m-15.2 m)	0.01	<.001
CL 98 -22	3	6.1	3.1		As above.	0.004	<.001
CL 98 -22	6.1	9.1	3		As above.	0.009	0
CL 98 -22	9.1	12.2	3.1		As above.	0.017	<.001
CL 98 -22	12.2	15.2	3		As above, trace chalcopyrite.	0.092	<.001

HOLE NO:	CL 98-23

Date:	NOVEMBER 23, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 335.8
	E 751.7
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 2.4 m good drilling to 15.2 m EOH hole at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-23	2.4	3	0.6		As hole 22, no sulphide. (A few flecks of sulphide - 0 m-15.2 m)	<.001	<.001
CL 98-23	3	6.1	3.1		Rare chalcopyrite.	<.001	0
CL 98-23	6.1	9.1	3		As above.	0	0
CL 98-23	9.1	12.2	3.1		No chalcopyrite. Moderate to weak sericite alteration.	<.001	<.001
CL 98-23	12.2	15.2	3		No chalcopyrite.	<.001	0

HOLE NO:	CL 98-24

Date:	NOVEMBER 23, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 324.1
	E 731.9
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 2.4 m good drilling to 15.2 m EOH hole at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-24	2.4	3	0.6		Mostly road fill. (Moderate chlorite alteration of biotite, few sulphide flecks - 0 m-15.2 m)	<.001	0
CL 98-24	3	6.1	3.1		As in hole 23, no sulphide.	<.001	0.001
CL 98-24	6.1	9.1	3		As above.	0.002	0
CL 98-24	9.1	12.2	3.1		As above.	<.001	0.002
CL 98-24	12.2	15.2	3		As above.	<.001	0.002

HOLE NO:	CL 98-25

Date:	NOVEMBER 23, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 315.7
	E 713.7
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 2.1 m good drilling to 15.2 m EOH hole at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-25	2.1	3	0.9		Strongly contaminated by road fill. (Very minor sulphides	<.001	0
CL 98-25	3	6.1	3.1		Quartz-rich intrusive. Very little feldspar. No sulphide.	<.001	0
CL 98-25	6.1	9.1	3		As above. Weak to moderate sericite alteration.	<.001	0.001
CL 98-25	9.1	12.2	3.1		As above.	<.001	0
CL 98-25	12.2	15.2	3		Trace chalcopyrite	<.001	<.001

HOLE NO:	CL 98-26

Date:	NOVEMBER 23, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 311.4
	E 693.9
Azimuth:	0°
Dip:	-90°

Water: water at 3 m (slight)

COMMENTS: rock at 2.4 m
rods wet until last 0.9 m to 1.2 m hole would seal and dry.
EOH hole at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL98-26	2.4	3	0.6		Road fill. (Hematite and chlorite 2.4 m to 6.1 m, weak to moderate chlorite alteration of biotite, no sulphides observed - 0 m-15.2 m).	0.07	<.001
CL98-26	3	6.1	3.1		Very quartz-rich. Rare chalcopyrite.	0.025	<.001
CL98-26	6.1	9.1	3		As above. No sulphide.	<.001	<.001
CL98-26	9.1	12.2	3.1		As above.	0.029	<.001
CL98-26	12.2	15.2	3		As above.	<.001	<.001

HOLE NO:	CL 98-27

Date:	NOVEMBER 23, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 305.6
	E 675.0
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS: rock at 3 m, no sample first 3 m.
good drilling to 15.2 m.
EOH hole at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL98-27	3	6.1	3.1		Very quartz-rich. Up to 5% mica (mostly biotite and chlorite). No sulphide. (Some limonite chips, very siliceous, few flecks of sulphide, weak sericite alteration - 0 m-15.2 m).	<.001	<.001
CL98-27	6.1	9.1	3		As above. Rare sulphide.	<.001	0
CL98-27	9.1	12.2	3.1		As above.	<.001	<.001
CL98-27	12.2	15.2	3		As above.	<.001	<.001

HOLE NO:	CL 98-28

Date:	NOVEMBER 23, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 301.4
	E 654.8
Azimuth:	0°
Dip:	-90°

Water: water at 3 m

COMMENTS: rock at 4.6 m - no sample for 0 m to 4.6 m.
hole sealed about half way down rods every 3 m.
EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-28	4.6	6.1	1.5		As hole 27. No sulphide.	<.001	<.001
CL 98-28	6.1	9.1	3		As above.	<.001	0
CL 98-28	9.1	12.2	3.1		As above. Abundant silica, weak sericite, several flecks of sulphide (?) noted 9.1 m-12.2 m.	<.001	<.001
CL 98-28	12.2	15.2	3		As above. Trace sulphide.	<.001	<.001

HOLE NO:	CL 98-29

Date:	NOVEMBER 24, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 297.2
	E 633.9
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 5.5 m - no sample 0 m to 5.5 m good drilling, drilled to 15.2 m EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-29	5.5	6.1	0.6		Increase in feldspar, mafics, and chlorite. No sulphide. (Weak to moderate sericite, a few flecks of sulphide - 0 m-15.2 m).	0.017	0.007
CL 98-29	6.1	9.1	3		As above.	0.011	0.001
CL 98-29	9.1	12.2	3.1		As above.	0.007	0
CL 98-29	12.2	15.2	3		As above.	0.011	0

HOLE NO:	CL 98-30

Date:	NOVEMBER 24, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 293.4
	E 613.2
Azimuth:	0°
Dip:	-90°

Water: water at 10.7 m (holes sealing off)

COMMENTS: rock at 3 m - no sample 0 m - 3 m
drilled to 15.2 m
EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-30	3	6.1	3.1		As above, no sulphide. Minor oxide component.	0.009	0
CL 98-30	6.1	9.1	3		As above.	0.005	0
CL 98-30	9.1	12.2	3.1		As above.	0.009	0.001
CL 98-30	12.2	15.2	3		As above. Intense silica with a few flecks of sulphides.	0.011	0.001

HOLE NO:	CL 98-31

Date:	NOVEMBER 24, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 6,010,292.2
	E 612,593.9
Azimuth:	0°
Dip:	-90°

Water: water at 10.4 m (hole sealing itself)

COMMENTS: rock at 3 m - no sample 0 m to 3 m
EOH at 15.2 m
The next two holes were drilled 6.1 m each, all overburden, both holes kept caving and were both abandoned.

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-31	3	6.1	3.1		Intrusive rare chalcopyrite. High feldspar content (grinds up fine to make "dust"). (Silicification with very little sericite - 0 m-12.2 m.)	0.01	0.003
CL 98-31	6.1	9.1	3		As above.	0.008	0.001
CL 98-31	9.1	12.2	3.1		As above.	0.005	0.001
CL 98-31	12.2	15.2	3		As above.	0.034	0.001

HOLE NO:	CL 98-32

Date:	NOVEMBER 24, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 217.3
	E 174.9
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 3 m good drilling EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-32	3	6.1	3.1		High feldspar content. Trace chalcopyrite.	0.005	0
CL 98-32	6.1	9.1	3		As above.	0.005	0
CL 98-32	9.1	12.2	3.1		As above. No sulphide. Minor hematite silicification, few sulphide flakes, very weak sericite.	0.028	0.001
CL 98-32	12.2	15.2	3		Very feldspar-rich, muddy.	0.018	0

HOLE NO:	CL 98-33

Date:	NOVEMBER 24, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 214.9
	E 612,000.0
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock at 4.3 m drilled to 15.2 m EOH at 15.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
CL 98-33	4.3	6.1	1.8		Very quartz-rich intrusive - abundant chalcopyrite, up to 0.5% chalcopyrite. >1% sulphide. 1% sulphide siliceous, weak to moderate sericite.	0.494	0.001
CL 98-33	6.1	9.1	3		As above but lower chalcopyrite concentration. Less sulphides.	0.065	0.001
CL 98-33	9.1	12.2	3.1		As above - trace chalcopyrite. (Only a few flecks 9.1 m-15.2 m).	0.021	0.001
CL 98-33	12.2	15.2	3		As above, rare chalcopyrite.	0.012	0.001

HOLE NO:	CL 98-34 *(65 degree angle into bank)

Date:	NOVEMBER 25, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 399.3 E 612,846.7
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock in .30 m good drilling, drilled 18.3 m EOH at 18.3 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-34	0	3	3		Quartz-rich intrusive - minor chalcopyrite. (Some sulphide flecks 0 m-6.1 m, weak sericite, moderate to intense silica).	0.016	0
*CL 98-34	3	6.1	3.1		As above. Trace chalcopyrite.	0.016	0.001
*CL 98-34	6.1	9.1	3		As above.	0.008	0.001
*CL 98-34	9.1	12.2	3.1		As above.	0.016	0
*CL 98-34	12.2	15.2	3		As above.	0.031	0
*CL 98-34	15.2	18.3	3.1		As above. High proportion of fines toward bottom of hole.	0.099	0.005

HOLE NO:	CL 98-35 *(65 degree angle into bank)

Date:	NOVEMBER 25, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 402.0
	E 853.2
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	drilling 65 degree angle into the bank (tree's) rock in .30 m, good drilling - drilled 12.2 m EOH at 12.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-35	0.3	3	2.7		As previous hole. No sulphide.	0.058	0.001
*CL 98-35	3	6.1	3.1		As above hole. Trace chalcopyrite.	0.017	0.001
*CL 98-35	6.1	9.1	3		As above.	0.014	0
*CL 98-35	9.1	12.2	3.1		As above. Few flecks of sulphide @ 12.2 m-15.2 m with weak to moderate sericite.	0.046	0.001

HOLE NO:	CL 98-36 *(65 degree angle into bank)

Date:	NOVEMBER 25, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 407.1
	E 857.0
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	drilling at 63 degree angle to bank rock in 0.30 m, drilled 6.1 m EOH at 6.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-36	0	3	3		As above up to 0.2% chalcopyrite. (Coarse sulphide grains, intense silica, weak to moderate sericite 0 m-6.1 m).	0.212	0.01
*CL 98-36	3	6.1	3.1		As above but trace molybdenite sulphide as well and less chalcopyrite.	0.047	0.002

HOLE NO:	CL 98-37 *(65 degree angle into bank)

Date:	NOVEMBER 25, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 402.7
	E 866.4
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	drilling at 49 degree angle into the middle of fan rock in 0.30 m, drilled 6.1 m EOH at 6.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-37	0	3	3		As above with trace chalcopyrite. No molybdenite. (Weak hematite staining of feldspar 0 m-6.1 m).	0.021	0
*CL 98-37	3	6.1	3.1		As above.	0.013	0.003

HOLE NO:	CL 98-38 *(65 degree angle into bank)

Date:	NOVEMBER 25, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 390.9
	E 852.0
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS: drilling at ?
rock at 0.61 m, drilled 6.1 m
EOH at 6.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-38	0	3	3		Intrusive is K-spar rich, trace chalcopyrite. A few sizeable pieces of sulphide, very similar to hole 37, few pieces of molybdenite.	0.017	0
*CL 98-38	3	6.1	3.1		Very little K-Spar. Rare chalcopyrite.	0.011	0

HOLE NO:	CL 98-39 *(65 degree angle into bank)

Date:	NOVEMBER 25, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 212.9
	E 612,027.7
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS: rock at 2.1 m
drilled to 9.1 m
EOH 9.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-39	2.1	3	0.9		Very quartz-rich. No sulphide. (Weak to moderate sericite, gives chips a greenish tinge - 0 m-9.1 m).	0.013	0
*CL 98-39	3	6.1	3.1		As above.	0.012	0
*CL 98-39	6.1	9.1	3		As above.	0.014	0

HOLE NO:	CL 98-40 *(65 degree angle into bank)

Date:	NOVEMBER 25, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 218.2
	E 611,967.2
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS: rock at 7.3 m, no sample 0 m-7.3 m, drilled to 15.2 m, EOH at 15.2 m.
the next hole was abandoned at 6.1 m, down 6.1 m no bedrock, hole caving badly, EOH - no hole.
the next two holes both also abandoned down 6.1 m - no bedrock caving and plugging badly - no holes.

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-40	7.3	9.1	1.8		Strong contamination by fill - intrusive, no chalcopyrite. Same as hole 38.	0.014	0
*CL 98-40	9.1	12.2	3.1		No contamination. Minor chalcopyrite, quartz-rich intrusive.	0.03	0.001
*CL 98-40	12.2	15.2	3		Feldspar (fines) rich-source, very fine chalcopyrite.	0.011	0

HOLE NO:	CL 98-41A *(65 degree angle into bank)

Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 150.0
	E 612,054.7
Azimuth:	0°
Dip:	-90°

Water: hit bad water pressure at 4.6 m, bad water pressure at 1.5 m, no bad groundwater

COMMENTS: rock at 3 m
drilled to 9.1 m
EOH at 9.1 m, good drilling

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-41A	0	9.1	9.1		Intrusive - as hole38.	0.014	0.001
						0.01	0

HOLE NO:	CL 98-41B
	*(65 degree angle into bank)

Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 150.0
	E 612,054.7
Azimuth:	0°
Dip:	-90°

Water: hit bad water pressure at 4.6 m, bad water pressure at 1.5 m, no bad groundwater

COMMENTS: next hole was abandoned at 6.1 m
got down to 6.1 m (all overburden) holes caving badly and bit plugging
EOH at 6.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-41B	0	9.1	9.1		Intrusive - as hole38.	0.014	0.001
						0.01	0

HOLE NO:	CL 98-41C *(65 degree angle into bank)

Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 150.0
	E 612,054.7
Azimuth:	0°
Dip:	-90°

Water: hit bad water pressure at 4.6 m, bad water pressure at 1.5 m, no bad groundwater

COMMENTS: next hole down also abandoned at 6.1 m
caving and plugging bit badly, some kind of clay-like material
all 6.1 m overburden

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-41C	0	9.1	9.1		Intrusive - as hole38.	0.014	0.001
						0.01	0

HOLE NO:	CL 98-41D *(65 degree angle into bank)

Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 150.0
	E 612,054.7
Azimuth:	0°
Dip:	-90°

Water: hit bad water pressure at 4.6 m, bad water pressure at 1.5 m, no bad groundwater

COMMENTS: next hole down also abandoned at 4.6 m
caving and plugging badly, still in clay-like material
all 4.6 m in lower burden, this is last hole on this lower rd
now moved east on other side of original holes where first started to drill

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-41D	0	9.1	9.1		Intrusive - as hole38.	0.014	0.001
						0.01	0

HOLE NO:	CL 98-41E *(65 degree angle into bank)
Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 150.0
	E 612,054.7
Azimuth:	0°
Dip:	-90°

Water: hit bad water pressure at 4.6 m, bad water pressure at 1.5 m, no bad groundwater

COMMENTS: this hole was also abandoned at 7.6 m
hole caving and washing out badly, no bedrock
EOH at 7.6 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-41E	0	9.1	9.1		Intrusive - as hole38.	0.014	0.001
						0.01	0

HOLE NO:	CL 98-41F *(65 degree angle into bank)

Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 150.0
	E 612,054.7
Azimuth:	0°
Dip:	-90°

Water: hit bad water pressure at 4.6 m, bad water pressure at 1.5 m, no bad groundwater

COMMENTS:	this hole abandoned at 6.1 m same thing again, plugging and caving, no bedrock to 6.1 m EOH at 6.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-41F	0	9.1	9.1		Intrusive - as hole38.	0.014	0.001
						0.01	0

HOLE NO:	CL 98-42 *(65 degree angle into bank)
Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	
	N 6,010,419.6
Azimuth:	E 613,788.9
Dip:	0°
	-90°

Water: N/C

COMMENTS: rock at 3 m - no sample (0 m-3 m)
drilled to 12.2 m
EOH at 12.2 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-42	0	12.2	12.2		Volcanic - hornfelsed with several grains of sulphide, heavily oxidized 0 m-9.1 m.	0.01	0
						0.009	<.001

HOLE NO:	CL 98-43A *(65 degree angle into bank)

Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 397.6
	E 919.0
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS:	rock 1.5 m no sample 0 m-1.5 m, drilled 9.1 m EOH at 9.1 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-43A	0	9.1	9.1		Sediment (?) or volcanic - very white, almost all quartz feldspar, several sulphide grains.	0.009	0.001
						0.005	0
						0.004	0.001

HOLE NO:	CL 98-43B *(65 degree angle into bank)
Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 397.6
	E 919.0
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS: next hole kept caving
could not get a collar on the hole
hole was abandoned at 2.4 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-43B	0	9.1	9.1		Sediment (?) or volcanic - very white, almost all quartz feldspar, several sulphide grains.	0.009	0.001
						0.005	0
						0.004	0.001

HOLE NO:	CL 98-43C *(65 degree angle into bank)

Date:	NOVEMBER 26, 1998

PROJECT:	CHISHOLM LAKE
MAP REFERENC	093 L/03
LOCATION:	OMINECA MINING DISTRICT, BC
HOLE TYPE:	PERCUSSION

DRILLING SUMMARY	
Drill Contractor:	IMPERIAL METALS
Drill Rig:	TANK DRILL
Logged By:	S.ROBERTSON/P.MCANDLESS

SURVEY DATA:	
Colar:	N 397.6
	E 919.0
Azimuth:	0°
Dip:	-90°

Water: N/C

COMMENTS: this hole also abandoned because of caving ground
plugging badly, went down 4.6 m, all overburden
EOH at 4.6 m

Hole Name	From (m)	To (m)	Length (m)	Unit	Geological Log	Cu%	Mo%
*CL 98-43C	0	9.1	9.1		Sediment (?) or volcanic - very white, almost all quartz feldspar, several sulphide grains.	0.009	0.001
						0.005	0
						0.004	0.001

Appendix

B

Assays

DIAMOND DRILL HOLES

	Sample	Feet	Cu %	Mo %
1	CL 01	05-10	0.073	<.001
2	CL 01	10-20	0.027	<.001
3	CL 01	20-30	0.019	<.001
4	CL 01	30-40	0.027	<.001
5	CL 01	40-50	0.036	<.001
6	CL 02	10-20	0.073	0.007
7	CL 02	20-30	0.077	0.003
8	CL 02	30-40	0.071	0.000
9	CL 05	13-20	0.036	0.001
10	CL 05	20-30	0.037	0.001
11	CL 05	30-40	0.014	0.001
12	CL 06	00-10	0.027	0.001
13	CL 06	10-20	0.043	0.001
14	CL 06	20-30	0.015	0.001
15	CL 06	30-40	0.070	0.001
16	CL 07	10-20	0.015	0.000
17	CL 07	20-30	0.016	0.001
18	CL 07	30-40	0.029	0.001
19	CL 08	10-20	0.012	0.000
20	CL 08	20-30	0.024	0.000
21	CL 08	30-40	0.021	0.001
22	CL 09	10-20	0.015	0.001
23	CL 09	20-30	0.012	0.000
24	CL 09	30-40	0.014	0.000
25	CL 09	40-48	0.014	0.001
26	CL 10	20-30	0.015	0.001
27	CL 10	30-40	0.012	0.000
28	CL 10	40-50	0.011	0.002
29	CL 11	16-20	0.022	0.001
30	CL 11	20-30	0.019	<.001
31	CL 12	10-20	0.028	<.001
32	CL 12	20-30	0.025	0.001
33	CL 14	10-20	0.015	<.001
34	CL 14	20-30	0.020	<.001
35	CL 14	30-40	0.028	<.001
36	CL 14	40-50	0.030	0.001
37	CL 15	05-10	0.014	<.001
38	CL 15	10-20	0.023	<.001
39	CL 15	20-30	0.011	<.001
40	CL 15	30-40	0.017	0.010
41	CL 15	40-50	0.007	<.001
42	CL 16	06-10	0.023	<.001
43	CL 16	10-20	0.006	<.001
44	CL 16	20-30	0.006	<.001

45	CL 16	30-40	0.060	0.004
46	CL 16	40-50	0.015	<.001
47	CL 17	05-10	0.022	<.001
48	CL 17	10-20	0.007	<.001
49	CL 18	07-10	0.029	0.001
50	CL 18	10-20	0.023	0.006
51	CL 18	20-30	0.023	0.001
52	CL 18	20-30	0.025	<.001
53	CL 18	30-40	0.002	<.001
54	CL 18	30-40	0.018	<.001
55	CL 18	40-50	0.001	<.001
56	CL 18	40-50	0.109	0.015
57	CL 19	15-20	0.007	<.001
58	CL 19	20-30	0.030	<.001
59	CL 19	30-40	0.013	<.001
60	CL 19	40-50	0.033	0.001
61	CL 20	10-20	0.020	<.001
62	CL 20	20-30	0.025	<.001
63	CL 20	30-40	0.046	<.001
64	CL 20	40-50	0.013	0.002
65	CL 21	08-10	0.021	0.001
66	CL 21	10-20	0.012	<.001
67	CL 21	20-30	0.015	<.001
68	CL 21	30-40	0.010	<.001
69	CL 21	40-50	0.010	<.001
70				
71				
72				
73				
74				
75				
76				

Drill Chisolm Lake

	Sample	Cu %	Mo %
1	CI22 6-10	0.010	<.001
2	CI22 10-20	0.004	<.001
3	CI22 20-30	0.009	0.000
4	CI22 30-40	0.017	<.001
5	CI22 40-50	0.092	<.001
6	CI23 8-10	<.001	<.001
7	CI23 10-20	<.001	0.000
8	CI23 20-30	0.000	0.000
9	CI23 30-40	<.001	<.001
10	CI23 40-50	<.001	0.000
11	CI24 8-10	<.001	0.000
12	CI24 10-20	<.001	0.001
13	CI24 20-30	0.002	0.000
14	CI24 30-40	<.001	0.002
15	CI24 40-50	<.001	0.002
16	CI25 7-10	<.001	0.000
17	CI25 10-20	<.001	0.000
18	CI25 20-30	<.001	0.001
19	CI25 30-40	<.001	0.000
20	CI25 40-50	<.001	<.001
21	CI26 8-10	0.070	<.001
22	CI26 10-20	0.025	<.001
23	CI26 20-30	<.001	<.001
24	CI26 30-40	0.029	<.001
25	CI26 40-50	<.001	<.001
26	CI27 10-20	<.001	<.001
27	CI27 20-30	<.001	0.000
28	CI27 30-40	<.001	<.001
29	CI27 40-50	<.001	<.001
30	CI28 15-20	<.001	<.001
31	CI28 20-30	<.001	0.000
32	CI28 30-40	<.001	<.001
33	CI28 40-50	<.001	<.001

Drill Chisolm Lake December 7/98

Sample	Cu %	Mo %
CI22 8-10	0.010	<.001
CI22 10-20	0.004	<.001
CI22 20-30	0.009	0.000
CI22 30-40	0.017	<.001
CI22 40-50	0.092	<.001
CI23 8-10	<.001	<.001
CI23 10-20	<.001	0.000
CI23 20-30	0.000	0.000
CI23 30-40	<.001	<.001
CI23 40-50	<.001	0.000
CI24 8-10	<.001	0.000
CI24 10-20	<.001	0.001
CI24 20-30	0.002	0.000
CI24 30-40	<.001	0.002
CI24 40-50	<.001	0.002
CI25 7-10	<.001	0.000
CI25 10-20	<.001	0.000
CI25 20-30	<.001	0.001
CI25 30-40	<.001	0.000
CI25 40-50	<.001	<.001
CI26 8-10	0.070	<.001
CI26 10-20	0.025	<.001
CI26 20-30	<.001	<.001
CI26 30-40	0.029	<.001
CI26 40-50	<.001	<.001
CI27 10-20	<.001	<.001
CI27 20-30	<.001	0.000
CI27 30-40	<.001	<.001
CI27 40-50	<.001	<.001
CI28 15-20	<.001	<.001
CI28 20-30	<.001	0.000
CI28 30-40	<.001	<.001
CI28 40-50	<.001	<.001
CI29 18-20	0.017	0.007
CI29 20-30	0.011	0.001
CI29 30-40	0.007	0.000
CI29 40-50	0.011	0.000
CI30 10-20	0.009	0.000
CI30 20-30	0.005	0.000
CI30 30-40	0.009	0.001
CI30 40-50	0.011	0.001
CI31 10-20	0.010	0.003

Sample	Cu %	Mo %
CI31 20-30	0.008	0.001
CI31 30-40	0.005	0.001
CI31 40-50	0.034	0.001
CI32 10-20	0.005	0.000
CI32 20-30	0.005	0.000
CI32 30-40	0.028	0.001
CI32 40-50	0.018	0.000
CI33 14-20	0.494	0.001
CI33 20-30	0.085	0.001
CI33 30-44	0.021	0.001
CI33 40-50	0.012	0.001
CI34 00-10	0.018	0.000
CI34 10-20	0.016	0.001
CI34 20-30	0.008	0.001
CI34 30-40	0.016	0.000
CI34 40-50	0.031	0.005
CI34 50-60	0.099	0.009
CI35 00-10	0.058	0.001
CI35 10-20	0.017	0.001
CI35 20-30	0.014	0.000
CI35 30-40	0.046	0.001
CI36 00-10	0.212	0.010
CI36 10-20	0.047	0.002
CI37 0-10	0.021	0.000
C137 10-20	0.013	0.003
CI39 0-10	0.017	0.000
C139 10-20	0.011	0.000
CI39 7-10	0.013	0.000
C139 10-20	0.012	0.000
C139 20-30	0.014	0.000
CI40 24-30	0.014	0.000
C140 30-40	0.030	0.001
C140 40-50	0.011	0.000
CI41 10-20	0.014	0.001
C141 20-30	0.010	0.000
CI42 10-20	0.007	0.000
C142 20-30	0.010	0.000
C142 30-40	0.009	<.001
CI43 5-10	0.009	0.001
C143 10-20	0.005	0.000
C143 20-30	0.004	0.001

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V98-02111.0 (COMPLETE)

REFERENCE:

CLIENT: IMPERIAL METALS CORP.

SUBMITTED BY: S. ROBERTSON

PROJECT: CHISHOLM LAKE

DATE RECEIVED: 08-DEC-98 DATE PRINTED: 14-DEC-98

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
981210 1	Au30	Gold	10	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
981210 2	Ag	Silver	10	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 3	Cu	Copper	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 4	Pb	Lead	10	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 5	Zn	Zinc	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 6	Mo	Molybdenum	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 7	Ni	Nickel	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 8	Co	Cobalt	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 9	Cd	Cadmium	10	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 10	Bi	Bismuth	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 11	As	Arsenic	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 12	Sb	Antimony	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 13	Fe	Iron	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 14	Mn	Manganese	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 15	Te	Tellurium	10	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 16	Ba	Barium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 17	Cr	Chromium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 18	V	Vanadium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 19	Sn	Tin	10	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 20	W	Tungsten	10	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 21	La	Lanthanum	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 22	Al	Aluminum	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 23	Mg	Magnesium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 24	Ca	Calcium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 25	Na	Sodium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 26	K	Potassium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 27	Sr	Strontium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 28	Y	Yttrium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 29	Ga	Gallium	10	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 30	Li	Lithium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 31	Nb	Niobium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 32	Sc	Scandium	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 33	Ta	Tantalum	10	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 34	Ti	Titanium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 35	Zr	Zirconium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981210 36	Cu	Copper	10	0.01 PCT	HF-HNO3-HCLO4-HCL	AAS LOW LEVEL ASSAY

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	10	2 -150	10	CRUSH/SPLIT & PULV.	10

REPORT COPIES TO: MR. STEVE ROBERTSON

INVOICE TO: MR. STEVE ROBERTSON

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: IMPERIAL METALS CORP. PROJECT: CHISHOLM LAKE

REPORT: V98-02111.0 (COMPLETE) DATE RECEIVED: 08-DEC-98 DATE PRINTED: 14-DEC-98 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	Cu PCT
CL-SR-001		16	0.4	1507	<2	31	28	19	14	<.2	<5	<5	<5	2.91	370	<10	97	111	66	<20	<20	9	1.76	1.34	0.60	0.09	0.19	39	4	<2	12	5	<5	<10	0.14	<1	0.16
CL-SR-002		21	1.2	2819	<2	26	2	17	13	<.2	<5	<5	<5	3.12	280	<10	137	105	67	<20	<20	8	1.53	1.23	0.78	0.06	0.19	29	4	<2	11	5	<5	<10	0.16	<1	0.31
CL-SR-003		15	0.7	3015	<2	30	2	16	9	<.2	<5	<5	<5	2.33	395	<10	42	105	41	<20	<20	6	1.21	0.83	1.32	0.03	0.23	16	4	4	7	3	<5	<10	<.01	1	0.32
CL-SR-004		7	0.2	1475	<2	38	32	17	10	<.2	<5	<5	<5	2.47	579	<10	48	110	44	<20	<20	8	1.32	0.94	0.92	0.04	0.19	18	4	4	9	3	<5	<10	0.03	1	0.17
CL-SR-005		<5	<.2	176	<2	24	3	18	14	<.2	<5	<5	<5	2.72	380	<10	125	130	61	<20	<20	10	1.53	1.33	1.12	0.05	0.27	25	5	<2	12	5	5	<10	0.14	<1	0.01
CL-SR-006		21	0.2	1972	<2	31	3	19	13	<.2	<5	<5	<5	3.00	441	<10	107	125	61	<20	<20	10	1.49	1.20	1.06	0.03	0.27	16	4	<2	11	4	<5	<10	0.09	<1	0.22
CL-SR-007		8	<.2	416	<2	32	2	23	15	<.2	<5	<5	<5	2.97	458	<10	143	143	71	<20	<20	8	1.61	1.35	0.48	0.05	0.25	18	5	<2	13	6	6	<10	0.13	1	0.04
CL-SR-008		<5	<.2	894	<2	24	9	16	12	<.2	<5	<5	<5	3.05	327	<10	161	114	65	<20	<20	8	1.37	1.19	0.70	0.05	0.20	27	3	<2	11	5	<5	<10	0.14	<1	0.09
CL-SR-009		<5	<.2	945	<2	27	11	20	14	<.2	<5	<5	<5	3.37	405	<10	138	140	69	<20	<20	6	1.43	1.24	0.49	0.05	0.24	29	3	<2	10	6	<5	<10	0.16	<1	0.10
CL-SR-010		<5	<.2	322	<2	27	7	19	13	<.2	<5	<5	<5	2.81	405	<10	130	141	63	<20	<20	8	1.38	1.09	0.34	0.05	0.26	22	4	<2	9	6	<5	<10	0.12	1	0.03

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: IMPERIAL METALS CORP. PROJECT: CHISHOLM LAKE

REPORT: V98-02111.0 (COMPLETE) DATE RECEIVED: 08-DEC-98 DATE PRINTED: 14-DEC-98 PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	Cu PCT
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1	-
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Mean Value		3	0.1	<1	1	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	<.01	<1	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	<1	<.01
BCC Au Std.8		983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET CERTIFIED STD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-	-	1.44
CANMET STREAM-SED		-	<.2	62	10	71	<1	21	10	0.4	<5	12	5	2.88	1157	<10	765	25	44	<20	<20	12	1.16	0.66	1.10	0.04	0.09	56	10	<2	8	4	<5	<10	0.06	<1	-
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Mean Value		-	0.1	62	10	71	<1	21	10	0.4	3	12	5	2.88	1157	5	765	25	44	10	10	12	1.16	0.66	1.10	0.04	0.09	56	10	1	8	4	3	5	0.06	<1	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.3	66	13	82	2	23	11	0.6	-	11	4	2.60	1200	-	-	30	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: IMPERIAL METALS CORP. PROJECT: CHISHOLM LAKE

REPORT: V98-02111.0 (COMPLETE) DATE RECEIVED: 08-DEC-98 DATE PRINTED: 14-DEC-98 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	Cu PCT
CL-SR-001		16	0.4	1507	<2	31	28	19	14	<.2	<5	<5	<5	2.91	370	<10	97	111	66	<20	<20	9	1.76	1.34	0.60	0.09	0.19	39	4	<2	12	5	<5	<10	0.14	<1	0.16
Duplicate																																					0.17
CL-SR-002		21	1.2	2819	<2	26	2	17	13	<.2	<5	<5	<5	3.12	280	<10	137	105	67	<20	<20	8	1.53	1.23	0.78	0.06	0.19	29	4	<2	11	5	<5	<10	0.16	<1	0.31
Duplicate		13	1.7	2868	<2	26	3	17	13	<.2	<5	<5	<5	3.16	283	<10	138	107	68	<20	<20	8	1.56	1.24	0.80	0.06	0.20	30	4	<2	11	5	<5	<10	0.17	<1	
CL-SR-008		<5	<.2	894	<2	24	9	16	12	<.2	<5	<5	<5	3.05	327	<10	161	114	65	<20	<20	8	1.37	1.19	0.70	0.05	0.20	27	3	<2	11	5	<5	<10	0.14	<1	0.09
Prep Duplicate		<5	<.2	918	<2	25	8	17	13	<.2	<5	<5	<5	3.08	357	<10	179	120	64	<20	<20	8	1.43	1.25	0.66	0.06	0.22	28	3	<2	11	5	<5	<10	0.15	<1	0.10
CL-SR-010		<5	<.2	322	<2	27	7	19	13	<.2	<5	<5	<5	2.81	405	<10	130	141	63	<20	<20	8	1.38	1.09	0.34	0.05	0.26	22	4	<2	9	6	<5	<10	0.12	1	0.03
Duplicate																																					0.04

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Imperial Metals Corporation File # 9804594

420 - 355 Burrard St., Vancouver BC V6C 2G8 Submitted by: Patrick McAndless

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	Au** gm/t
CL98109-1	4	462	<3	38	<.3	32	17	491	3.43	<2	<8	<2	3	21	.5	<3	<3	95	1.37	.106	12	80	1.94	131	.21	<3	1.72	.05	.18	3	<.01
CL98109-2	2	2933	<3	32	.8	19	12	436	2.66	<2	<8	<2	3	18	<.2	<3	<3	68	.53	.069	7	40	1.20	136	.16	3	1.23	.04	.19	4	<.01
CL98109-3	4	3149	3	25	.8	24	11	291	2.79	2	<8	<2	3	27	<.2	<3	<3	73	.71	.069	7	42	1.25	154	.18	3	1.47	.06	.18	2	.01
CL98109-4	128	9368	3	31	2.2	26	12	378	3.50	4	<8	<2	3	14	.5	<3	19	68	.48	.067	6	61	1.37	113	.12	<3	1.48	.06	.19	6	.04
CL98109-5	4	2149	3	35	<.3	31	14	423	3.22	<2	<8	<2	4	17	<.2	<3	6	86	.74	.075	8	52	1.47	138	.08	<3	1.53	.05	.25	2	<.01
CL98109-6	5	4488	<3	30	.3	18	11	234	2.36	<2	<8	<2	3	9	<.2	<3	9	50	.36	.074	14	37	.89	168	.06	<3	1.13	.02	.18	3	.02
CL98109-7	25	3274	<3	26	1.0	25	11	369	2.84	<2	<8	<2	3	19	<.2	<3	9	71	.59	.070	7	42	1.25	161	.15	<3	1.25	.04	.19	2	.02
RE CL98109-7	28	3241	<3	26	.7	20	11	364	2.81	<2	<8	<2	2	19	<.2	<3	7	70	.58	.071	7	42	1.24	161	.14	<3	1.24	.04	.20	2	.02
CL98109-8	5	1392	<3	30	<.3	17	12	413	2.30	<2	<8	<2	4	16	<.2	<3	3	51	1.04	.061	7	32	.96	45	.01	<3	1.22	.03	.16	2	.02
CL98109-9	2	192	58	182	.4	9	16	1459	4.50	5	<8	<2	2	25	.6	<3	6	141	2.70	.082	7	8	.85	60	.03	<3	1.37	.06	.12	4	<.01
STANDARD C3/AU-1	27	65	32	159	5.8	32	11	753	3.17	54	25	3	22	27	23.6	18	20	75	.53	.086	17	158	.57	145	.08	20	1.78	.04	.15	19	3.45
STANDARD G-2	2	5	4	40	<.3	6	4	498	1.83	<2	<8	<2	4	66	<.2	<3	<3	37	.59	.092	7	71	.57	220	.12	<3	.89	.07	.46	2	<.01

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 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 MASSIVE SULFIDE 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: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 16 1998 **DATE REPORT MAILED:** Oct 21/98 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date FA

611,000 E. 612,000 E. 613,000 E. 614,000 E.

6,009,000 N.

1,200 1,100 1,000 900 800

Rock Samples CL98109-1 to CL98109-9
Collected From Within This Area

SR004 SR005 SR006 SR003 SR007 SR008 SR009 SR002 SR001 SR010

STAR 16 STAR 2 STAR 4 STAR 20 STAR 19 STAR 1 STAR 17 STAR 3 STAR 5 STAR 18

CL 1 CL 2 CL 3 CL 4 CL 5 CL 6 CL 12 CL 13

622-1 622-2

98-01 98-02 98-03 98-04 98-05 98-06 98-07 98-08 98-09 98-10 98-11 98-12 98-13 98-14 98-15 98-16 98-17 98-18 98-19 98-20 98-21 98-22 98-23 98-24 98-25 98-26 98-27 98-28 98-29 98-30 98-31 98-32 98-33 98-34 98-35 98-36 98-37 98-38 98-39 98-40 98-41 98-42 98-43

LEGEND

- Legal Corner Post
- 98-37 Percussion Drillhole, Drillhole No.
- SR002 Rock Sample, Sample No.
- Abandoned Drillhole
- Lake
- Swamp
- Cut Block
- Gravel Road
- Logging Road
- Bridge

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA S.G. Robertson 25931

Contour Interval = 20 meters
UTM System = NAD 83
Trim 1994

SCALE
0 50 150 250 300
metres

Triad Consultants Inc.

IMPERIAL METALS CORPORATION

Chisolm Lake Property
DRILLHOLE LOCATION MAP

Drawing:	Revised:	Scale:	Date:	Drawing No.:
cl_5000.dwg		1:5,000	June, 1999	Map 3