DIAMOND DRILLING REPORT ON THE CJ PROPERTY

OMINECA MINING DIVISION, BC

NTS 93 O/4

Latitude: 55° 03'N

Longitude: 123° 50'W

OWNER/OPERATOR:
Abitibi Mining Corp.
#1000 - 675 West Hastings Street
Vancouver, BC
V6B 1N2

BY:
P. SOUTHAM, P. Geo. (B.C.)

May, 1997

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LOCATION AND ACCESS

The property is located approximately 140 kilometers northwest of Prince George (figure 1) and 55 kilometers west of Windy Point, BC on the Finlay Philip Forest Service Road. The Christina Jean claim is centered on 55° 03' north latitude and 123° 54' west longitude on NTS sheet 93 O/4. It is accessible by logging roads from spring to fall or by helicopter from Mackenzie.

TOPOGRAPHY AND VEGETATION

The topography of the area is rolling hills ranging in elevation from 980 meters (2990 ft.) above sea level (ASL) to 1250 meters (3800 ft.) ASL covered with economic stands spruce and fir and also poplar trees. The area is covered with a moderate to thick blanket of glacial till often greater than 30 meters. Outcrop exposure is limited to less than 1% with the best exposures found along road cuts and at higher elevations.

PROPERTY STATUS

The property (figure 2) consists of 6 four-post and 28 two-post mineral claims listed in Table 1.

HISTORY

The property is located 10 kilometers southeast of Placer Dome's Mt. Milligan copper/gold porphyry deposit. The southern part of the property was explored BGM Diversified Energy Inc. in 1991 (Leriche, 1991) following the exploration boom in the area associated with Mt. Milligan's discovery. An airborne magnetics and VLF survey was flown which highlighted two large east-west magnetic highs flanked by a high contrast magnetic low. Coincident with the magnetic highs are three significant copper anomalies. Although a followup program was recommended, no further work was done and the claims were allowed to lapse.

In 1991 the Geological Survey of Canada (GSC) conducted a high resolution airborne gamma ray spectrometric (AGRS) survey (Shives, R.B.K., Ballantyne, S.B. and Harris D.C., 1991) over the Mt. Milligan area. This survey delineated potassic halo "bulls-eyes" over the Mt. Milligan, Taylor, Wit, Chuchi and other known deposits and identified several new targets, one of which lies under the property (figure 3) known as the "K6" anomaly.

The property was restaked by Dave Forshaw, a local prospector, and optioned to Pacific Mariner Exploration Ltd., later renamed Abitibi Mining Corp., in February 1994. Soil sampling was completed over the heart of the potassic halo in the spring of 1994. Additional ground was staked to cover the southern part of the potassic anomaly which included the BGM copper soil anomaly. Three diamond drill holes were completed in August of 1994 to test the core of the potassic anomaly at depth. The drilling returned low but significant values of copper and gold. Minor soil sampling was completed in 1995 for assessment work.

0 300

KILOMETERS

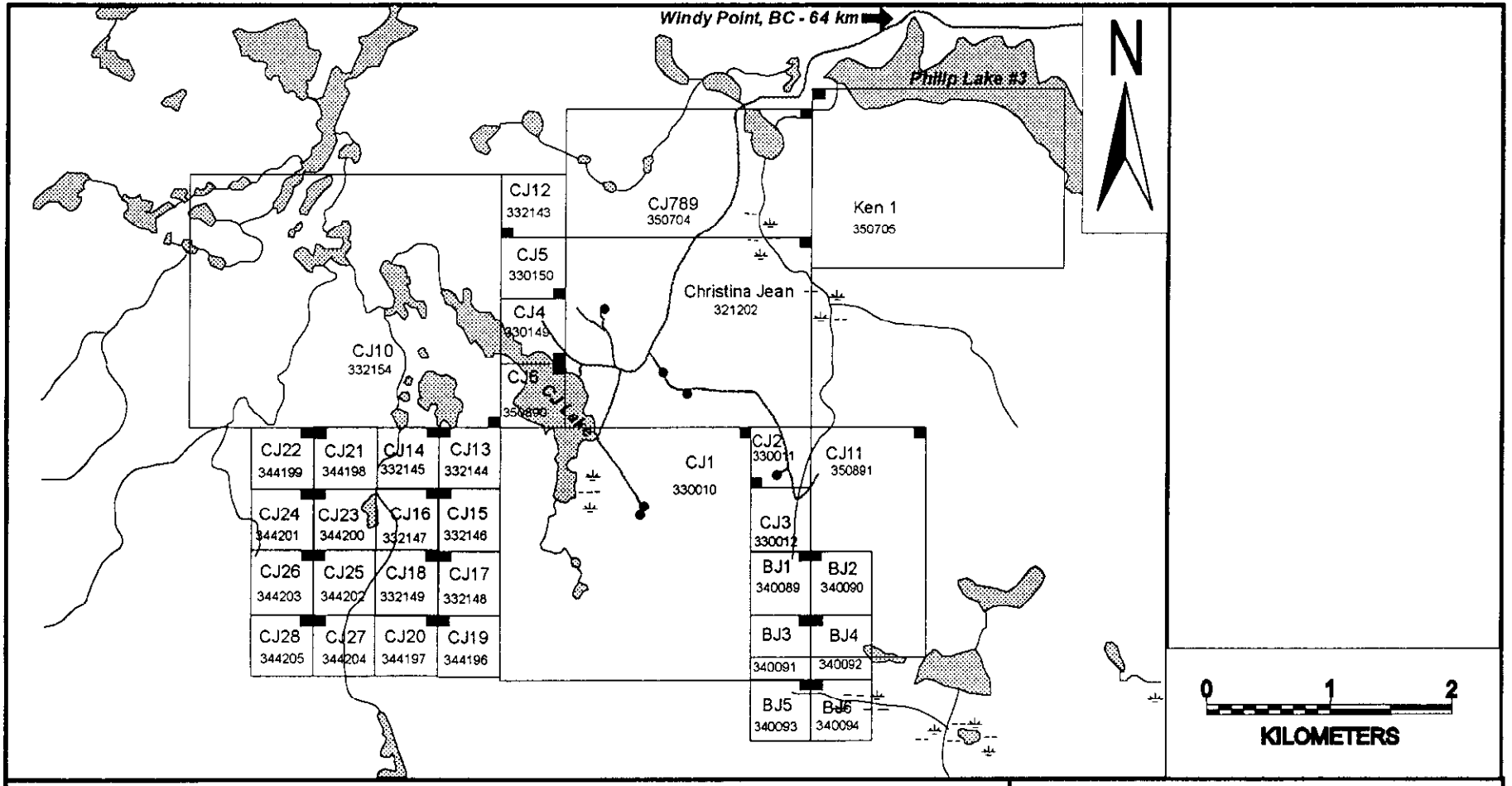
ABITIBI MINING CORP.

OMINECA M. D. NTS 93O/4

CJ PROPERTY

LOCATION MAP

DEC. 96 FIGURE 1



ABITIBI MINING CORP.

CJ PROPERTY, BC

OMINECA M.D., BC NTS 93-O-4W

CLAIM MAP

SCALE 1:50,000

JAN/97 FIG. 2

Table 1 - Claims List

CLAIM NAME	RECORD No.	UNITS	EXPIRY DATE*	OWNER
CJ19	344196	1	March 10/2000	ABB
CJ20	344197	1	March 10/2000	ABB
CJ21	344198	1	March 10/2000	ABB
CJ22	344199	1	March 10/2000	ABB
CJ23	344200	1	March 10/2000	ABB
CJ24	344201	1	March 10/2000	ABB
CJ25	344202	1	March 10/2000	ABB
CJ26	344203	1	March 10/2000	ABB
CJ27	344204	1	March 10/2000	ABB
CJ28	344205	1	March 10/2000	ABB
CJ 1	330010	16	Aug 19/2000	ABB
CJ 2	330011	1	Aug 18/2000	ABB
CJ 3	330012	1	Aug 18/2000	ABB
CJ 4	330149	1	Aug 22/2000	ABB
CJ 5	330150	1	Aug 24/2000	ABB
CJ 6	350890	1	Sept 26/2000	ABB
CJ 789	350704	8	Sept 21/1999	ABB
BJ1	340089	1	Sept 21/1999	ABB
BJ2	340090	1	Sept 21/1999	ABB
BJ3	340091	1	Sept 21/1999	ABB
BJ4	340092	1	Sept 21/1999	ABB
BJ5	340093	1	Sept 21/1999	ABB
BJ6	340094	1	Sept 21/1999	ABB
Christina Jean	321202	12	Sept. 29/1999	ABB
Ken 1	350705	12	Sept 22/1997	ABB
CJ 10	332154	20	Oct. 28/1999	ABB
CJ 11	350891	12	Sept 26/1999	ABB
CJ 12	332143	1	Oct. 27/1999	ABB
CJ 13	332144	1	Oct. 28/1999	ABB
CJ 14	332145	1	Oct. 28/1999	ABB
CJ 15	332146	1	Oct. 28/1999	ABB
CJ 16	332147	1	Oct. 28/1999	ABB
CJ 17	332148	1	Oct. 28/1999	ABB
CJ 18	332149	1	Oct. 28/1999	ABB

* With acceptance of this report. ABB - Abitibi Mining Corp.

REGIONAL GEOLOGY

The following has been culled from the capsule geology on Minfile number 093N 194 of the Mount Milligan deposit:

The claims lie within the Quesnel Belt (figure 3) composed of Upper Triassic Takla Group andesitic to basaltic massive volcanic flows, sills and volcaniclastic rocks that have been metamorphosed to greenschist facies and intruded by intermediate to mafic subvolcanic and plutonic rocks. Lithologies within the Takla Group include augite and plagioclase porphyritic flows and tuffs and their subvolcanic equivalents, massive non-porphyritic flows and crystal lapilli tuffs. The intrusive suite includes a complex mix of syenite, monzonite, diorite/monzodiorite and gabbro/monzogabbro from the Late Triassic - Early Jurassic and Late Cretaceous granite.

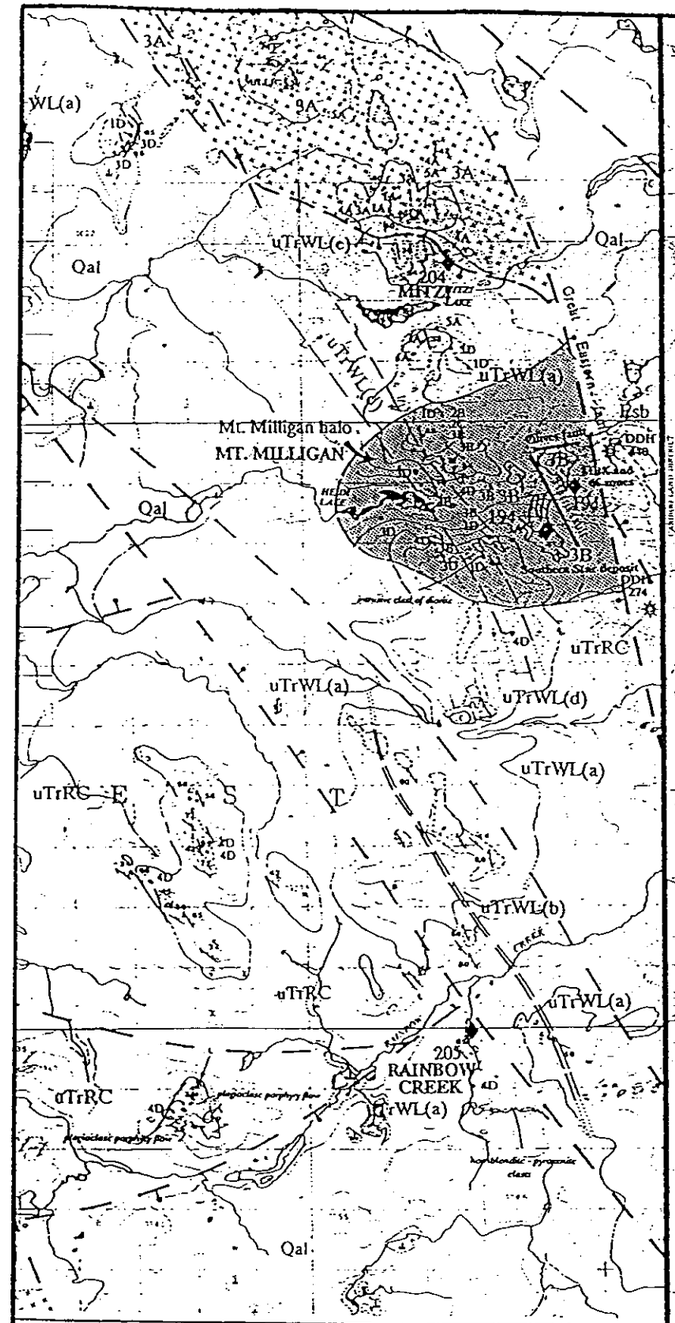
The Mount Milligan deposit is underlain by coarse-grained labradorite diorite and biotite-bearing monzodiorite in the north, a central segment of quartz porphyritic and megacrystic feldspar porphyritic phases, and a southern segment of biotite quartz diorite. The pluton is complicated by several complex sheeted and pegmatitic dyke phases and xenoliths and rafts of biotite hornfels wallrock.

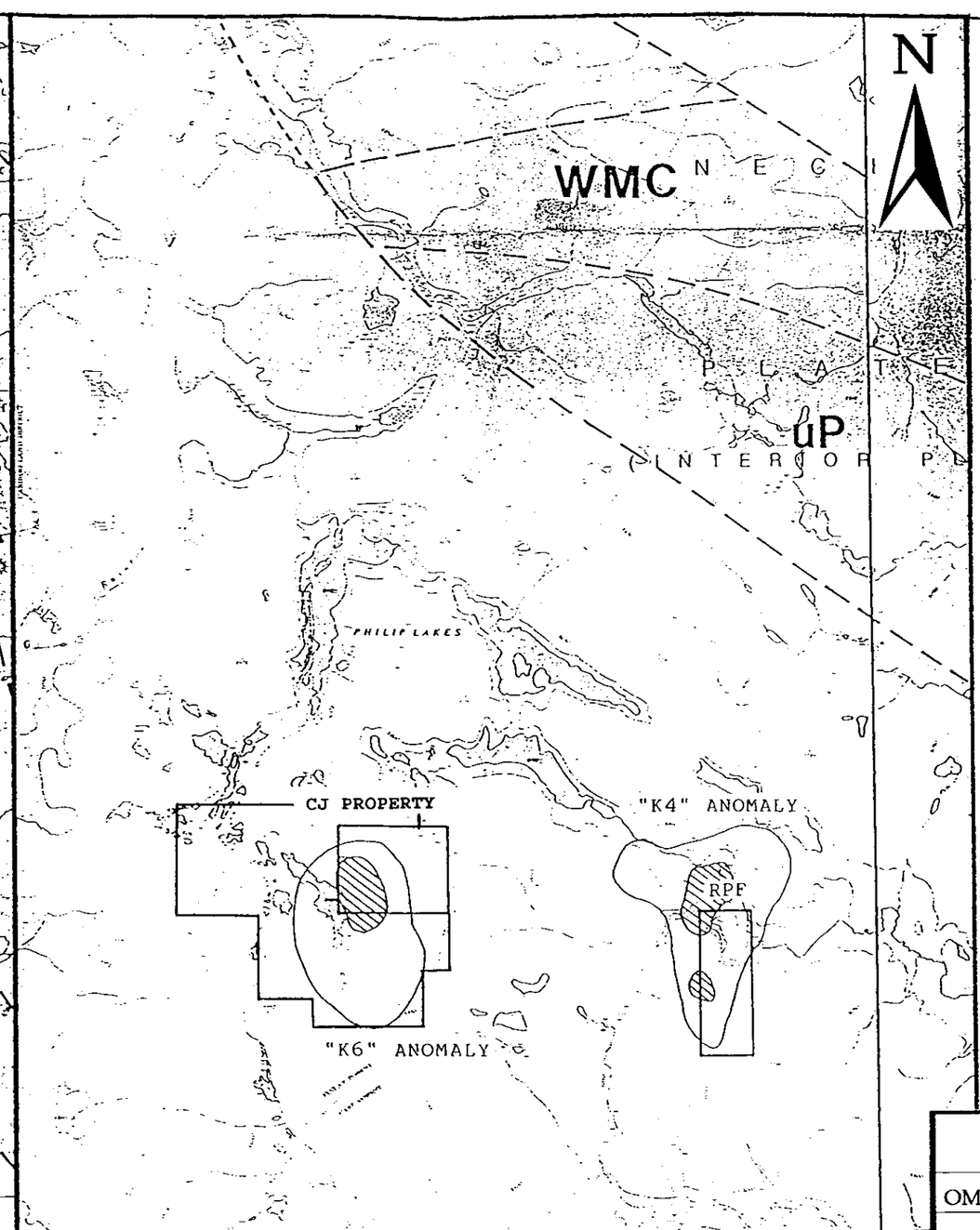
The dominant structural trend is north-northwest with most rock units subvertically oriented, probably due to block faulting and rotation. Faults and shear zones are mainly oriented northeast and northwest.

PROPERTY GEOLOGY

Prospecting on the Christina Jean claim in 1994 identified float of propylitically altered augite porphyritic volcanics of the Takla Group and potassically altered diorite. The source of the alteration appears to be related to an intrusion of diorite which forms a prominent ridge south of the core AGRS anomaly. Glaciation, determined by Plouffe and Ballantyne (1993) as generally moving in a northeast direction for the area, may have deposited the float on the surface in the west-central part of the Christina Jean claim. This float is located in the core of the "K6" potassic anomaly identified by the AGRS survey. Recent logging in the core area may be responsible for the strength of the core by producing better exposure of the float. The AGRS survey penetrates no more than one meter below surface (Shives, R.B.K., Ballantyne, S.B. and Harris, D.C., 1991) thus the disturbed soil of the clearcut may have produced a better response than uncleared areas. A halo of weaker potassium-high AGRS response includes the forest-covered diorite ridge.

Diamond drilling in 1994 (Southam, 1994) revealed the nature of the underlying bedrock as propylitically altered mafic volcanic and gabbro and silicified, potassically altered diorite. Disseminated pyrite occurred throughout most of the drill core. Pyrrhotite was often associated with the pyrite in the diorite and gabbro. Chalcopyrite occurred in quartz veins and silicified zones in the diorite and mafic volcanics and as disseminated mineralization through the gabbro. Faults in the lower part of drill hole CJ94-1 appear to be associated with a northeast-trending topographic





LEGEND

LAYERED ROCKS

QUATERNARY

Qal — UNCONSOLIDATED GLACIAL TILL AND ALLUVIUM

QUATERNARY?

Ob — OLIVINE-BEARING BASALT

EOCENE - OLIGOCENE

Esb — VOLCANIC WACKE, PLANT-BEARING, VOLCANIC ASH RICH MUDSTONE AND BASALT

UPPER TRIASSIC (- JURASSIC?)

TAKLA GROUP

uTrCL — CHUCHI LAKE FORMATION: (A) GREEN AND MAROON HETEROLITHIC AGGLOMERATE; (B) PLAGIOCLASE-PORPHYRY TRACHYTE FLOWS AND BRECCIAS; (C) INTERVOLCANIC SEDIMENTS

uTrWL — WITCH LAKE FORMATION: (A) AUGITE (± PLAGIOCLASE ± HORNBLENDE) PORPHYRY AGGLOMERATE, LAPILLI TUFF AND EPICLASTIC SEDIMENTS; (B) TRACHYTE FLOWS AND TUFF-BRECCIAS; (C) PLAGIOCLASE (± AUGITE) PORPHYRY LATITE FLOWS AND AGGLOMERATES; (D) EPICLASTIC SEDIMENTS (SANDSTONES AND SILTSTONES) AND MINOR AMYGDALOIDAL TRACHYTE FLOWS; (E) AMPHIBOLITE AND METAMORPHOSED AUGITE PORPHYRY FLOWS, LAPILLI TUFF, AGGLOMERATE AND SEDIMENTS

uTrIL — INZANA LAKE FORMATION: VOLCANIC SANDSTONE, SILTSTONE, MUDSTONE, ARGILLITE, LAPILLI TUFF AND SEDIMENTARY BRECCIA

uTrRC — RAINBOW CREEK FORMATION: GREY SLATE, THIN BEDDED SILTSTONE, MINOR VOLCANIC SEDIMENTS

INTRUSIVE ROCKS

LATE CRETACEOUS-EARLY TERTIARY?

1 — GRANITE SUITE: (1A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR GRANITE; (1D) RHYODACITE/DACITE

LATE TRIASSIC-EARLY JURASSIC

2 — SYENITE SUITE: (2A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR SYENITE; (2B) CROWDED PLAGIOCLASE PORPHYRITIC SYENITE; (2C) MEGACRYSTIC SYENITE

3 — MONZONITE SUITE: (3A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR MONZONITE; (3B) CROWDED PLAGIOCLASE PORPHYRITIC MONZONITE; (3C) MEGACRYSTIC PLAGIOCLASE MONZONITE; (3D) SPARSELY PORPHYRITIC LATITE

4 — DIORITE/MONZODIORITE SUITE: (4A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR DIORITE/MONZODIORITE; (4B) CROWDED PLAGIOCLASE PORPHYRITIC DIORITE; (4C) MEGACRYSTIC PLAGIOCLASE (± AUGITE) PORPHYRITIC DIORITE; (4D) SPARSELY PORPHYRITIC ANDESITE

5 — GABBRO/MONZOGABBRO SUITE: (5A) COARSE TO MEDIUM GRAINED, EQUIGRANULAR GABBRO/MONZOGABBRO

Geology Sources

93 N/2E BC-MEMPR of 1992-1994 J.L. Nelson et. al.
93 N/1 BC-MEMPR of 1991-1993 J.L. Nelson et. al.
93 O/4W BC-MEMPR Gelogical Highway Map No. 3

Scale = 1:100 000

0 1 2 3 4 5
KILOMETRES

ABITIBI MINING CORP.

OMINECA M.D., BC — NTS 93O/4

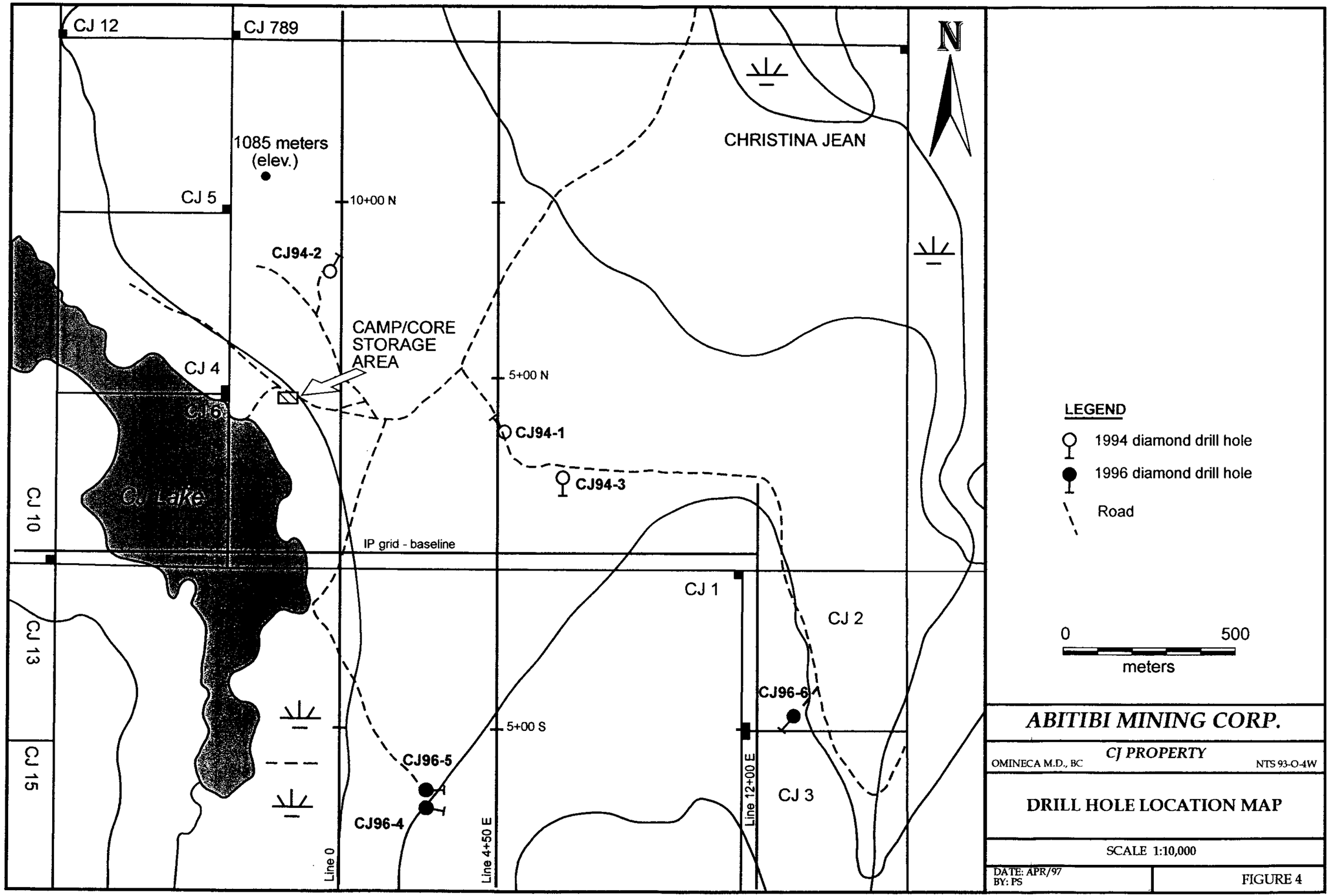
CJ PROPERTY

REGIONAL GEOLOGY

FROM OPEN FILE 2535

SCALE 1:100,000

DEC. 96 — FIGURE 3


CJ 12
CJ 789
1085 meters
(elev.)
CJ 5
10+00 N
CJ94-2
CAMP/CORE
STORAGE
AREA
CJ 4
CJ 6
5+00 N
CJ94-1
CJ94-3
CHRISTINA JEAN
N
Cj Lake
CJ 10
IP grid - baseline
CJ 1
CJ 2
CJ 13
CJ 15
CJ96-6
5+00 S
CJ96-5
CJ96-4
CJ 3
Line 0
Line 4+50 E
Line 12+00 E
LEGEND
1994 diamond drill hole
1996 diamond drill hole
Road
0
500
meters
ABITIBI MINING CORP.
CJ PROPERTY
OMINECA M.D., BC
NTS 93-O-4W
DRILL HOLE LOCATION MAP
SCALE 1:10,000
DATE: APR/97
BY: PS
FIGURE 4

depression north of the drill hole collar. Drill results include 6.5 meters of 0.45 g/t gold and 4.8 meters of 0.51 g/t gold, 0.08% copper from hole CJ94-1, 51.7 meters of 0.02% copper from hole CJ94-2 and 10 meters of 0.03% copper from hole CJ94-3. These holes tested a one-kilometer length of the AGRS potassic anomaly on the property.

WORK PROGRAM

In 1996 Abitibi had 20 line kilometers of grid lines cut for an IP survey. The survey returned several moderate to strong chargeability highs in various parts of the property. In addition, 292 soil samples were collected on two separate grids (Southam, 1996). The results from the east grid on the east side of CJ lake identified strong copper mineralization, up to 1210 ppm, northwest of previously identified copper-in-soil mineralization. 80 more samples were collected to determine the extent of the mineralized zone, an anomaly which is 1.3 kilometers long by 300 - 400 meters wide and trends northeast along the northwest edge of an airborne magnetic high anomaly. The core of this anomaly, a zone averaging above 175 ppm copper-in-soil, is 500 meters by 150 - 200 meters.

In the fall of 1996 three diamond drill holes were completed on the property (figure 4). The hole location and depths are tabulated below:

Table 2 - Drill Hole Locations

Hole #	Northing	Easting	Azimuth	Dip	Depth	Date Completed
CJ96-4	7+25 S	2+44 E	100°	-50°	125.9m	Sept. 28/96
CJ96-5	6+75 S	2+44 E	090°	-50°	138.7m	Oct. 3/96
CJ96-6	4+70 S	13+00 E	220°	-50°	177.7m	Oct. 7/96

(Hole locations measured from the cut-line grid)

DIAMOND DRILLING RESULTS

The 1996 drill program returned several significant intersections of copper mineralization, but no economic intersections. Drill holes CJ96-4 and CJ96-5 tested the newly discovered soil anomaly on the west side of line 4+50 E where values of up to 1210 ppm copper were obtained. The soil anomaly is associated with a high chargeability IP response on line 4+50 E between 7+00 S and 11+00 S. CJ96-6 tested a soil anomaly with values of up to 619 ppm copper around 12+00 E, 5+00 S. The IP response on line 12+00 E has high chargeability between 1+50 S and 10+00 S.

CJ96-4 returned the best results of the program including 22.5 meters of 0.072% copper and 0.13 g/t gold and 52.5 meters of .045% copper which contained a higher grade zone of 23 meters of 0.071% copper and 0.11 g/t gold. These grades are hosted in a mix of mafic volcanics, diorite and gabbro and are associated with carbonate and/or quartz veining and alteration with up to 10% pyrite, <1% chalcopyrite and minor pyrrhotite.

Fifty meters north of CJ96-4, drillhole CJ96-5 encountered massive to foliated mafic volcanic rock with similar alteration and sulphide mineralization but less overall copper. Mineralized intervals include 14.8 meters of 0.027% copper, 10 meters of 0.037% copper and 0.12 g/t gold and 24 meters of 0.041% copper and 0.70 g/t gold.

CJ96-6 drilled 160 meters of strongly foliated mafic volcanic rock with abundant wispy carbonate veinlets, minor quartz veining, 1 - 3% pyrite and traces of chalcopyrite. Disseminated magnetite was observed in the last five meters of the hole. Copper mineralization averaged approximately 270 ppm over the 47 samples taken intermittently throughout the hole with highs of 1900 ppm, 1400 ppm, 1150 ppm and 860 ppm at various intervals. Anomalous gold was noted in samples from the last 29 meters of the hole.

SUMMARY AND CONCLUSIONS

The CJ Property is located in a prime porphyry copper-gold environment, lying just 10 kilometers southeast of Placer Dome's Mt. Milligan deposit. Previous work has defined several geophysical and geochemical anomalies on the property, including an AGRS survey potassium high and potassium/thorium ratio low, a large area of anomalous copper in soil results and significant copper and gold results from diamond drilling.

Work carried out on the property in 1996 focused on property-scale target definition by soil sampling and an IP survey. The IP survey identified several zones of high chargeability related to strong copper soil anomalies. Phase II diamond drilling tested two of these anomalies, returning significant copper and minor gold mineralization. The mineralization was hosted by mafic volcanics, diorite and gabbro with moderate carbonate-quartz-chlorite alteration. Potassic alteration is presumed to subtly overprint the entire package of rocks based on field observations and geophysical data.

The project remains a highly prospective target area with great potential for hosting a resource of copper and gold. A large area of copper mineralized soil remains untested at depth, and several IP chargeability anomalies require soil sampling and diamond drilling.

It is recommended that a phase-I program include a minimum 600 soil samples and 20 line kilometers of cut lines and IP survey work to clearly define the best drill targets on the property. The extent of phase-II road building and diamond drilling would depend upon the success of phase-I surface work. A minimum 1000 meter drilling program is recommended to further test the southern part of the large copper anomaly and the broad IP anomaly lying north and east of CJ lake.

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APPENDIX I

STATEMENT OF EXPENDITURES

CJ PROPERTY - EXPENDITURES

SALARIES	
Phil Southam - 25 manday @ $180/day	4500
Report preparation - P. Southam - 3 manday @ $180/day	540
GEOCHEMICAL ANALYSIS	
128 rock samples @ $21.70/sample	2778
DIAMOND DRILLING	
442 m @ $60.60/m drilling costs	26785
Mobilization/Demobilization	2142
LOGISTICAL COSTS	
Food and lodging	963
Supplies	703
Vehicle fuel and maintenance	626
Truck rental	1966
SUBTOTAL	41003
Administration Fee (15%)	6150
GST on administration (#126616507)	430
TOTAL	**$47583**

APPENDIX II

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Philip James Southam of 1603 McChessney Street, Port Coquitlam, British Columbia, do hereby certify:

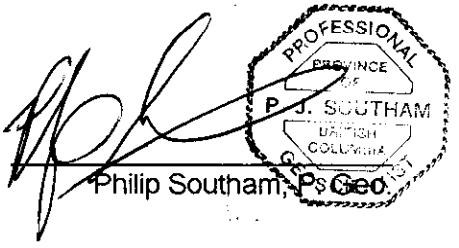
1. I am a geologist registered with the Association of Professional Engineers and Geoscientists of British Columbia.

2. I graduated from Brandon University in 1987 with a Bachelor of Science degree majoring in geology.

3. I have practised my profession continuously since graduation in British Columbia, Manitoba, Yukon Territory and California in the field of mineral exploration.

4. I am employed by Hastings Management Corp. to provide geological services for Abitibi Mining Corp.

5. All work completed for the purpose of this report was done under my supervision.



Philip Southam, P.Geo.

APPENDIX III

DRILL LOGS AND SAMPLE DATA

IBI MINING CORP.

PROJECT:Rainbow - CJ1 claim | PAGE: 1 of 2
HOLE #:CJ96-4 | DATE:Sept. 26-28/96
DRILLING CO.:Lone Ranger Diamond Drilling | NORTHING:7+25S | EASTING:2+44E
GEOLOGIST: P. Southam | BEARING:100° | DIP:-50° | DEPTH:125.9 m

FROM (M)	TO (M)	DESCRIPTION	MIN'N
0	2.1	OVERBURDEN	
2.1	16.51	MAFIC VOLCANIC Dark green with augite phenocrysts; minor carbonate (cbt) veining and weak bleaching.	No Visible Sulphides (NVS)
		12.50-12.95 m - Diorite dyke Medium grained, silicious, grey plagioclase±quartz; chloritic alteration of mafics, strongly bleached (light lime green color)	tr py
		16.10-16.51 m Carbonate veining with up to 10% disseminated pyrite (py) and trace chalcopyrite (cpy) along foliation planes adjacent to the dyke. Foliation @ 50° TCA (To Core Axis)	10% py, tr cpy
16.51	23.83	DIORITE Dark grey, medium grained, mottled texture, weak bleaching.	tr py, cpy
23.83	58.38	FOLIATED MAFIC VOLCANIC Foliation adjacent to diorite @ 38° TCA, away from the dyke @ 62° TCA. Cbt veining along foliation and cross-cutting foliation. Py stringers in cbt veining.	tr-1% py, tr cpy
		Foliation @ 55° TCA @ 26.00 m	
		10 cm silicification @ 26.30 m	
		20 cm silicification with trace cpy @ 27.00 m	
		4 cm quartz vein @ 30.93 m	
		10 cm grey gouge zone @ 34.40 m. Contact @ ≈25° TCA	

FROM (M)	TO (M)	DESCRIPTION	MIN'N
		41.05-41.42 m White/light grey quartz vein with large clots of py-po (pyrrhotite) and greenish black clots of chlorite. The upper vein contact is @ 50° TCA	tr py, po
		8 to 15 cm quartz veins @ 41.72, 42.12, 42.20 and 43.70 m	tr galena (ga), py
		48.45-54.42 m Rubble and gouge fault zone	
		15 cm quartz vein with coarse py clots @ 51.51 m	tr py
58.38	125.91	GABBRO Dark grey, medium grained, massive to weakly foliated rock with gradational contact from mafic volcanic; minor cbt veinlets and up to 2% disseminated py around contact with volcanic.	tr-2% py
		Trace cpy in split core @ 72.50 m	tr-1% py, tr cpy locally
		79.66-84.85 m Significant traces of cpy (up to 1%) in foliated gabbro.	
		Coarse clots of cpy with chlorite in quartz vein @ 84.70 m	
		38 cm quartz vein with chlorite clots and minor py @ 85.00 m	
		40 cm quartz vein @ 87.07 m with 3 cm stringer zone of py and cpy @ 87.27 m	
		Soft, dark grey gouge from 103.42-104.00 m	
		20 cm fault zone @ 118.70 m	

SAMPLE RESULTS

Drill Hole CJ96-4

Sample No.	Depth (meters) From	To	Interval (meters)	Gold (ppb)	Copper (ppm)
CJ-001	12.50	12.95	0.45	30	450
CJ-002	15.90	17.40	1.5	150	1400
CJ-003	17.40	18.90	1.5	90	580
CJ-004	20.40	22.40	2.0	165	1450
CJ-005	22.40	24.40	2.0	570	630
CJ-006	24.40	26.40	2.0	60	520
CJ-007	26.40	28.40	2.0	25	530
CJ-008	28.40	30.40	2.0	70	900
CJ-009	30.40	32.40	2.0	150	540
CJ-010	32.40	34.40	2.0	100	280
CJ-011	34.40	36.40	2.0	60	760
CJ-012	36.40	38.40	2.0	65	1050
CJ-013	38.40	40.40	2.0	25	125
CJ-014	40.40	42.40	2.0	160	166
CJ-015	42.40	44.40	2.0	55	76
CJ-016	44.40	46.40	2.0	10	78
CJ-017	46.40	48.40	2.0	15	94
CJ-018	53.00	55.00	2.0	5	141
CJ-019	57.00	59.00	2.0	<5	210
CJ-020	61.00	63.00	2.0	<5	205
CJ-021	66.00	68.00	2.0	15	550
CJ-022	71.00	73.00	2.0	55	425
CJ-023	76.00	78.00	2.0	10	510
CJ-024	78.00	79.50	1.5	15	340
CJ-025	79.50	81.50	2.0	270	2000
CJ-026	81.50	83.50	2.0	25	830
CJ-027	83.50	85.00	1.5	40	1800
CJ-028	85.00	87.00	2.0	<5	280
CJ-029	87.00	89.00	2.0	<5	420
CJ-030	89.00	91.00	2.0	320	1150
CJ-031	91.00	93.00	2.0	<5	270
CJ-032	93.00	95.00	2.0	<5	235
CJ-033	95.00	97.00	2.0	585	235
CJ-034	97.00	99.00	2.0	25	880
CJ-035	101.00	103.00	2.0	10	415

SAMPLE RESULTS (Cont'd)

Drill Hole CJ96-4

Sample No.	Depth (meters) From	To	Interval (meters)	Gold (ppb)	Copper (ppm)
CJ-036	105.00	107.00	2.0	<5	170
CJ-037	107.00	109.00	2.0	15	670
CJ-038	109.00	111.00	2.0	<5	790
CJ-039	113.00	115.00	2.0	<5	275
CJ-040	115.00	117.00	2.0	<5	290
CJ-041	117.00	118.50	1.5	230	210

ABITIBI MINING CORP.
PROJECT:Rainbow - CJ1 claim PAGE: 1 of 1
HOLE #:CJ96-5 DATE:Sept. 29-Oct. 3/96
DRILLING CO.:Lone Ranger Diamond Drilling NORTHING:6+75S EASTING:2+44E
GEOLOGIST: P. Southam BEARING:090° DIP:-50° DEPTH:138.72 m

FROM (M)	TO (M)	DESCRIPTION	MIN'N
0	12.20	OVERBURDEN	
12.20	138.72	MAFIC VOLCANIC Dark green, massive to foliated, grades from very fine grained volcanic to medium grained gabbro. Local zones of carbonate (cbt) veining and alteration and epidote alteration. Generally a trace to 3% pyrite (py) and local traces of chalcopyrite.	tr-3% py, tr cpy
		48.00-52.00 m Py stringers 4-5 mm wide	
		20 cm silicified zone with 1% py mineralization associated with gabbroic zonation @ 55.29 m	
		1 m zone same as above @ 57.56 m	
		Gradual transition from gabbro to foliated mafic volcanic @ 67.00 m. Foliation @ 65° To Core Axis (TCA)	tr-1% py
		1.8 m rubble/gouge fault zone @ 80.85 m	
		1.0 m grey gouge zone @ 87.60 m	
		22 cm quartz vein with py and cpy clots @ 90.95 m	
		3 to 15 cm quartz veins with cpy @ 95.00 m	tr-3% py
		114.00-118.50 m Local quartz veining and silicification, trace pyrrhotite.	tr-3% py, tr po

SAMPLE RESULTS

Drill Hole CJ96-5

Sample No.	Depth (meters) From	To	Interval (meters)	Gold (ppb)	Copper (ppm)
CJ-089A	12.20	14.00	1.8	<5	170
CJ-089	14.00	16.00	2.0	30	630
CJ-090	16.00	18.00	2.0	<5	429
CJ-091	18.00	20.00	2.0	<5	99
CJ-092	20.00	22.00	2.0	<5	277
CJ-093	25.00	27.00	2.0	<5	444
CJ-094	30.00	32.00	2.0	<5	189
CJ-095	35.00	37.00	2.0	<5	178
CJ-096	40.00	42.00	2.0	<5	195
CJ-097	45.00	47.00	2.0	<5	158
CJ-098	47.00	49.00	2.0	150	421
CJ-099	49.00	51.00	2.0	360	538
CJ-100	51.00	53.00	2.0	15	360
CJ-101	53.00	55.00	2.0	30	234
CJ-102	55.00	57.00	2.0	45	281
CJ-103	57.00	59.00	2.0	105	93
CJ-104	59.00	61.00	2.0	<5	32
CJ-105	61.00	63.00	2.0	<5	161
CJ-106	63.00	65.00	2.0	<5	146
CJ-107	65.00	67.00	2.0	<5	44
CJ-108	67.00	69.00	2.0	<5	79
CJ-109	72.00	74.00	2.0	<5	202
CJ-110	77.00	79.00	2.0	30	796
CJ-111	82.00	84.00	2.0	495	163
CJ-112	84.00	86.00	2.0	330	118
CJ-113	86.00	88.00	2.0	300	211
CJ-114	88.00	90.00	2.0	15	355
CJ-115	90.00	92.00	2.0	7100	2100
CJ-116	92.00	94.00	2.0	30	412
CJ-117	94.00	96.00	2.0	30	272
CJ-118	99.00	101.00	2.0	60	558
CJ-119	104.00	106.00	2.0	30	179
CJ-120	109.00	111.00	2.0	<5	122
CJ-121	111.00	113.00	2.0	30	441
CJ-122	113.00	115.00	2.0	<5	76

SAMPLE RESULTS (Cont'd)

Drill Hole CJ96-5

Sample No.	Depth (meters) From	To	Interval (meters)	Gold (ppb)	Copper (ppm)
CJ-123	115.00	117.00	2.0	<5	198
CJ-124	119.00	121.00	2.0	<5	139
CJ-125	124.00	126.00	2.0	<5	326
CJ-126	129.00	131.00	2.0	<5	904
CJ-127	136.00	138.00	2.0	75	178

ABITIBI MINING CORP.

PROJECT:Rainbow - CJ1 claim PAGE:1 of 1
HOLE #:CJ96-6 DATE:Oct. 4-7/96
DRILLING CO.:Lone Ranger Diamond Drilling NORTHING:4+70S EASTING:13+00E
GEOLOGIST: P. Southam BEARING:220° DIP:-50° DEPTH:177.74 m

FROM (M)	TO (M)	DESCRIPTION	MIN'N
0	18.29	OVERBURDEN	
18.29	177.74	FOLIATED MAFIC VOLCANIC Dark green with white wispy carbonate (cbt) veinlets along the foliation; foliation @ 10° to 40° To Core Axis (TCA). Disseminated pyrite (py) throughout volcanic, local quartz ± cbt veins occassionally with coarse clots of chalcopyrite (cpy).	1-3% py, local cpy
		20 cm quartz/cbt vein with cpy clot @ 20.33 m	
		1 m quartz vein with sparse cpy clots @ 49.40 m	
		68.47-69.53 m Light grey cbt alteration with 1-3% medium grained py	tr cpy
		69.53-75.30 m Quartz ± cbt veining; quartz is light pink, very coarse and chunky and devoid of sulphides except for a clot of cpy @ 74.25 m.	tr cpy
		1 m cbt ± quartz vein with tr py @ 80.18 m; wallrock around vein moderately bleached.	
		Foliation angle changes from ≈40° TCA to ≈10° TCA @ 141.80 m	
		Magnetite (mag) in core from ≈173.00 m to end of hole.	tr-1% mag, 1% py, tr cpy

SAMPLE RESULTS

Drill Hole CJ96-6

Sample No.	Depth (meters) From	To	Interval (meters)	Gold (ppb)	Copper (ppm)
CJ-042	18.29	20.00	1.71	20	104
CJ-043	20.00	22.00	2.0	15	500
CJ-044	22.00	24.00	2.0	25	195
CJ-045	24.00	26.00	2.0	20	300
CJ-046	29.00	31.00	2.0	10	139
CJ-047	34.00	36.00	2.0	10	177
CJ-048	39.00	41.00	2.0	15	290
CJ-049	44.00	46.00	2.0	<5	128
CJ-050	49.00	51.00	2.0	35	1150
CJ-051	54.00	56.00	2.0	<5	156
CJ-052	59.00	61.00	2.0	<5	187
CJ-053	64.00	66.00	2.0	<5	230
CJ-054	67.00	69.00	2.0	<5	127
CJ-055	69.00	71.00	2.0	10	117
CJ-056	71.00	73.00	2.0	10	375
CJ-057	73.00	75.00	2.0	<5	860
CJ-058	75.00	77.00	2.0	<5	111
CJ-059	77.00	79.00	2.0	<5	33
CJ-060	79.00	81.00	2.0	<5	124
CJ-061	81.00	83.00	2.0	<5	65
CJ-062	83.00	85.00	2.0	15	55
CJ-063	85.00	87.00	2.0	15	136
CJ-064	89.00	91.00	2.0	15	22
CJ-065	94.00	96.00	2.0	<5	205
CJ-066	99.00	101.00	2.0	<5	138
CJ-067	104.00	106.00	2.0	<5	165
CJ-068	109.00	111.00	2.0	<5	250
CJ-069	115.00	117.00	2.0	<5	220
CJ-070	119.00	121.00	2.0	<5	116
CJ-071	124.00	126.00	2.0	<5	270
CJ-072	130.00	132.00	2.0	<5	89
CJ-073	132.00	134.00	2.0	15	110
CJ-074	136.00	138.00	2.0	10	250
CJ-075	138.00	140.00	2.0	10	380
CJ-076	145.00	147.00	2.0	<5	235

SAMPLE RESULTS (Cont"d)

Drill Hole CJ96-6

Sample No.	Depth (meters) From	To	Interval (meters)	Gold (ppb)	Copper (ppm)
CJ-077	149.00	151.00	2.0	40	182
CJ-078	154.00	156.00	2.0	25	285
CJ-079	158.00	160.00	2.0	120	1400
CJ-080	160.00	162.00	2.0	135	1900
CJ-081	162.00	164.00	2.0	45	280
CJ-082	164.00	166.00	2.0	25	146
CJ-083	166.00	168.00	2.0	60	225
CJ-084	168.00	170.00	2.0	45	140
CJ-085	170.00	172.00	2.0	50	30
CJ-086	172.00	174.00	2.0	15	106
CJ-087	174.00	176.00	2.0	35	225
CJ-088	176.00	177.74	1.74	15	96

ABITIBI MINING CORP.

PROJECT:Rainbow - Lac 1 claim | PAGE:1 of 1

HOLE #:LC96-1 | DATE: Oct. 8-10/96

DRILLING CO.:Lone Ranger Diamond Drilling | NORTHING:2+00S EASTING:0+50W

GEOLOGIST: P. Southam | BEARING:090° DIP:-50° DEPTH:124.70 m

FROM (M)	TO (M)	DESCRIPTION	MIN'N
0	13.41	OVERBURDEN	
13.41	124.70	MUDSTONE Brownish grey, very fine grained, locally intermixed with sandstone; massive, poorly bedded and strongly fractured, locally brecciated. Quartz/carbonate (cbt) veining and trace to 5% disseminated and stringer pyrite (py) throughout.	tr-5% py

APPENDIX IV

ASSAY RESULTS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

INVOICE NUMBER I9637008

BILLING INFORMATION

Date: 29-OCT-96
Project: RAINBOW
P.O. No.:
Account: JCL

Comments: ATTN:VERONICA MA.

Billing: For analysis performed on
Certificate A9637008

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
41	205 - Geochem ring to approx 150 mesh	2.50		
	294 - 4-7 Kg crush and split	3.50		
	3202 - Rock - save entire reject	0.50		
	983 - Au ppb FA+AA	9.75		
	2 - Cu ppm	1.25		
	238 - Nitric-aqua-regia digestion	2.00	19.50	799.50

Total Cost $	799.50
(Reg# R100938885) GST $	55.97
TOTAL PAYABLE (CDN) $	**855.47**

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

A9637008

Comments: ATTN:PHILIP SOUTHAM

CERTIFICATE A9637008

(JCL) - HASTINGS MANAGEMENT CORP.

Project: RAINBOW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	41	Geochem ring to approx 150 mesh
294	41	4-7 Kg crush and split
3202	41	Rock - save entire reject
238	41	Nitric-aqua-regia digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	41	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2	41	Cu ppm: HNO3-aqua regia digest	AAS	1	10000

Chemex Labs Ltd.

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PHONE: 604-984-0221 FAX: 604-984-0218

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : RAINBOW
Comments: ATTN:PHILIP SOUTHAM

Page No. :1
Total Pages :2
Certificate Date: 28-OCT-96
Invoice No. : I9637008
P.O. Number :
Account :JCL

CERTIFICATE OF ANALYSIS A9637008

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm								
CJ-001	205	294	30	450								
CJ-002	205	294	150	1400								
CJ-003	205	294	90	580								
CJ-004	205	294	165	1450								
CJ-005	205	294	570	630								
CJ-006	205	294	60	520								
CJ-007	205	294	25	530								
CJ-008	205	294	70	900								
CJ-009	205	294	150	540								
CJ-010	205	294	100	280								
CJ-011	205	294	60	760								
CJ-012	205	294	65	1050								
CJ-013	205	294	25	125								
CJ-014	205	294	160	166								
CJ-015	205	294	55	76								
CJ-016	205	294	10	78								
CJ-017	205	294	15	94								
CJ-018	205	294	5	141								
CJ-019	205	294	< 5	210								
CJ-020	205	294	< 5	205								
CJ-021	205	294	15	550								
CJ-022	205	294	55	425								
CJ-023	205	294	10	510								
CJ-024	205	294	15	340								
CJ-025	205	294	270	2000								
CJ-026	205	294	25	830								
CJ-027	205	294	40	1800								
CJ-028	205	294	< 5	280								
CJ-029	205	294	< 5	420								
CJ-030	205	294	320	1150								
CJ-031	205	294	< 5	270								
CJ-032	205	294	< 5	235								
CJ-033	205	294	585	235								
CJ-034	205	294	25	880								
CJ-035	205	294	10	415								
CJ-036	205	294	< 5	170								
CJ-037	205	294	15	670								
CJ-038	205	294	< 5	790								
CJ-039	205	294	< 5	275								
CJ-040	205	294	< 5	290								

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : RAINBOW
Comments: ATTN:PHILIP SOUTHAM

Page N[illegible]r :2
Total P[illegible] :2
Certificate Date: 28-OCT-96
Invoice No. : 19637008
P.O. Number :
Account :JCL

CERTIFICATE OF ANALYSIS A9637008

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm								
CJ-041	205	294	230	210								

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

INVOICE NUMBER I 9 6 3 7 5 7 6

BILLING INFORMATION

Date: 31-OCT-96
Project: RAINBOW
P.O. No.:
Account: JCL

Comments: ATTN:VERONICA MA.

Billing: For analysis performed on
Certificate A9637576

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	CODE	ANALYSED FOR - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
47	205	Geochem ring to approx 150 mesh	2.50		
	294	4-7 Kg crush and split	3.50		
	3202	Rock - save entire reject	0.50		
	983	Au ppb FA+AA	9.75		
	2	Cu ppm	1.25		
	238	Nitric-aqua-regia digestion	2.00	19.50	916.50

Total Cost $ 916.50
(Reg# R100938885) GST $ 64.16

TOTAL PAYABLE (CDN) $ 980.66

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

A9637576

Comments: ATTN:PHILIP SOUTHAM

CERTIFICATE A9637576

(JCL) - HASTINGS MANAGEMENT CORP.

Project: RAINBOW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 31-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	47	Geochem ring to approx 150 mesh
294	47	4-7 Kg crush and split
3202	47	Rock - save entire reject
238	47	Nitric-aqua-regia digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	47	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2	47	Cu ppm: HNO3-aqua regia digest	AAS	1	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : RAINBOW
Comments: ATTN:PHILIP SOUTHAM

Page N : 1
Total P : 2
Certificate Date: 31-OCT-96
Invoice No. : I9637576
P.O. Number :
Account : JCL

CERTIFICATE OF ANALYSIS A9637576

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm								
CJ 042	205	294	20	104								
CJ 043	205	294	15	500								
CJ 044	205	294	25	195								
CJ 045	205	294	20	300								
CJ 046	205	294	10	139								
CJ 047	205	294	10	177								
CJ 048	205	294	15	290								
CJ 049	205	294	< 5	128								
CJ 050	205	294	35	1150								
CJ 051	205	294	< 5	156								
CJ 052	205	294	< 5	187								
CJ 053	205	294	< 5	230								
CJ 054	205	294	< 5	127								
CJ 055	205	294	10	117								
CJ 056	205	294	10	375								
CJ 057	205	294	< 5	860								
CJ 058	205	294	< 5	111								
CJ 059	205	294	< 5	33								
CJ 060	205	294	< 5	124								
CJ 061	205	294	< 5	65								
CJ 062	205	294	15	55								
CJ 063	205	294	15	136								
CJ 064	205	294	15	22								
CJ 065	205	294	< 5	205								
CJ 066	205	294	< 5	138								
CJ 067	205	294	< 5	165								
CJ 068	205	294	< 5	250								
CJ 069	205	294	< 5	220								
CJ 070	205	294	< 5	116								
CJ 071	205	294	< 5	270								
CJ 072	205	294	10	89								
CJ 073	205	294	15	110								
CJ 074	205	294	10	250								
CJ 075	205	294	10	380								
CJ 076	205	294	< 5	235								
CJ 077	205	294	40	182								
CJ 078	205	294	25	285								
CJ 079	205	294	120	1400								
CJ 080	205	294	135	1900								
CJ 081	205	294	45	280								

CERTIFICATION: Ian R. Sadler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : RAINBOW
Comments: ATTN:PHILIP SOUTHAM

Page No. :2
Total Pa :2
Certificate Date: 31-OCT-96
Invoice No. :19637576
P.O. Number :
Account :JCL

CERTIFICATE OF ANALYSIS A9637576

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm								
CJ 082	205	294	25	146								
CJ 083	205	294	60	225								
CJ 084	205	294	45	140								
CJ 085	205	294	50	30								
CJ 086	205	294	15	106								
CJ 087	205	294	35	225								
CJ 088	205	294	15	96								

CERTIFICATION: Dan Pochler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

INVOICE NUMBER I9637708

BILLING INFORMATION

Date: 1-NOV-96
Project: RAINBOW
P.O. No.:
Account: JCL

Comments: ATTN:VERONICA MA

Billing: For analysis performed on
Certificate A9637708

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	CODE	DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
71	205	Geochem ring to approx 150 mesh	2.50		
	294	4-7 Kg crush and split	3.50		
	3202	Rock - save entire reject	0.50		
		ICP-32	7.00		
	100	Au ppb FA+AA	8.50	22.00	1562.00

Total Cost $	1562.00
(Reg# R100938885) GST $	109.34
TOTAL PAYABLE (CDN) $	1671.34

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

A9637708

Comments: ATTN:PHILIP SOUTHAM

CERTIFICATE A9637708

(JCL) - HASTINGS MANAGEMENT CORP.

Project: RAINBOW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-NOV-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	71	Geochem ring to approx 150 mesh
294	71	4-7 Kg crush and split
3202	71	Rock - save entire reject
229	71	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	71	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	71	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	71	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	71	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	71	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	71	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	71	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	71	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	71	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	71	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	71	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	71	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	71	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	71	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	71	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	71	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	71	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	71	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	71	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	71	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	71	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	71	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	71	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	71	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	71	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	71	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	71	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	71	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	71	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	71	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	71	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	71	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	71	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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HASTINGS MANAGEMENT CORP.

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VANCOUVER, BC
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Project : RAINBOW
Comments: ATTN:PHILIP SOUTHAM

Page Number :1-A
Total Pages :2
Certificate Date: 01-NOV-96
Invoice No. :I9637708
P.O. Number :
Account :JCL

CERTIFICATE OF ANALYSIS A9637708

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CJ-089A	205	294	< 5	< 0.2	2.90	2	70	0.5	< 2	7.06	< 0.5	22	212	170	5.39	10	< 1	0.37	< 10	3.07	1135
CJ-089	205	294	30	0.8	2.23	10	70	< 0.5	< 2	4.68	0.5	24	134	630	3.77	10	< 1	0.14	< 10	2.01	755
CJ-090	205	294	< 5	0.4	2.29	< 2	130	< 0.5	2	3.11	< 0.5	18	139	429	3.31	10	< 1	0.42	< 10	2.17	630
CJ-091	205	294	< 5	< 0.2	2.31	< 2	200	< 0.5	2	2.95	< 0.5	19	77	99	4.36	10	< 1	0.83	< 10	1.91	660
CJ-092	205	294	< 5	0.2	2.11	6	120	< 0.5	6	2.04	< 0.5	23	53	277	5.90	10	< 1	0.77	< 10	1.79	575
CJ-093	205	294	< 5	< 0.2	1.98	< 2	310	< 0.5	< 2	1.47	< 0.5	17	21	444	4.13	10	< 1	1.25	< 10	1.53	535
CJ-094	205	294	< 5	< 0.2	2.70	2	420	< 0.5	< 2	1.76	< 0.5	18	17	189	4.03	10	< 1	1.42	< 10	2.11	655
CJ-095	205	294	< 5	< 0.2	3.09	4	510	< 0.5	2	1.84	< 0.5	20	12	178	4.82	10	< 1	1.54	< 10	2.44	715
CJ-096	205	294	< 5	< 0.2	3.03	6	350	0.5	2	2.43	< 0.5	16	35	195	4.62	10	< 1	1.90	< 10	2.20	755
CJ-097	205	294	< 5	0.2	2.84	2	330	< 0.5	< 2	2.58	< 0.5	14	46	158	4.15	10	< 1	2.03	< 10	2.06	800
CJ-098	205	294	150	0.4	3.62	238	330	< 0.5	< 2	2.42	< 0.5	21	40	421	7.29	10	< 1	2.22	< 10	2.17	1165
CJ-099	205	294	360	2.2	3.79	2280	240	0.5	2	2.84	1.0	26	22	538	8.63	10	< 1	1.84	< 10	2.10	1130
CJ-100	205	294	15	0.6	3.19	32	230	0.5	< 2	3.39	0.5	15	22	360	5.97	10	< 1	1.51	< 10	1.91	915
CJ-101	205	294	30	0.2	3.01	48	210	< 0.5	< 2	2.97	< 0.5	16	21	234	5.29	10	< 1	1.80	< 10	1.75	870
CJ-102	205	294	45	0.6	1.71	116	130	< 0.5	2	2.09	< 0.5	9	36	281	3.08	10	< 1	1.00	< 10	0.86	600
CJ-103	205	294	105	< 0.2	1.05	4	60	< 0.5	< 2	1.54	< 0.5	5	47	93	1.80	< 10	< 1	0.47	< 10	0.51	390
CJ-104	205	294	< 5	< 0.2	1.59	6	70	< 0.5	< 2	1.98	< 0.5	7	27	32	3.10	10	< 1	0.36	< 10	1.03	545
CJ-105	205	294	< 5	0.2	2.08	8	80	< 0.5	< 2	2.25	< 0.5	10	28	161	4.01	10	< 1	0.73	< 10	1.28	680
CJ-106	205	294	< 5	< 0.2	1.85	8	60	< 0.5	< 2	2.22	< 0.5	9	47	146	3.14	10	< 1	0.60	< 10	1.18	580
CJ-107	205	294	< 5	< 0.2	2.05	6	130	< 0.5	< 2	2.44	< 0.5	10	30	44	3.56	10	< 1	0.99	< 10	1.31	625
CJ-108	205	294	< 5	0.2	1.94	6	110	< 0.5	< 2	3.92	< 0.5	11	21	79	3.77	10	< 1	0.44	< 10	1.35	750
CJ-109	205	294	< 5	0.2	2.39	8	100	< 0.5	< 2	1.57	< 0.5	14	19	202	4.10	10	< 1	1.17	< 10	1.49	595
CJ-110	205	294	30	0.4	1.85	8	80	< 0.5	< 2	1.80	< 0.5	12	20	796	3.18	10	< 1	0.76	< 10	1.12	465
CJ-111	205	294	495	< 0.2	1.13	12	60	0.5	< 2	3.57	< 0.5	12	29	163	2.79	< 10	< 1	0.36	20	0.43	565
CJ-112	205	294	330	< 0.2	1.09	1610	70	< 0.5	< 2	2.28	< 0.5	12	31	118	2.27	< 10	< 1	0.34	20	0.38	390
CJ-113	205	294	300	0.2	1.50	12	80	0.5	< 2	2.29	< 0.5	10	37	211	3.01	< 10	< 1	0.45	20	0.46	425
CJ-114	205	294	15	0.4	1.32	14	130	0.5	< 2	1.79	< 0.5	8	26	335	2.26	< 10	< 1	0.40	10	0.38	340
CJ-115	205	294	7100	2.8	1.20	14	90	0.5	< 2	1.59	2.0	9	50	2100	3.11	< 10	< 1	0.36	180	0.33	320
CJ-116	205	294	30	1.6	1.22	14	70	0.5	< 2	1.66	< 0.5	9	35	412	2.29	< 10	< 1	0.36	20	0.37	335
CJ-117	205	294	30	0.6	1.39	6	70	0.5	< 2	2.55	< 0.5	8	51	272	2.59	< 10	< 1	0.33	10	0.56	490
CJ-118	205	294	60	0.6	2.31	12	90	< 0.5	< 2	1.83	< 0.5	13	37	558	4.46	10	< 1	1.11	10	1.38	605
CJ-119	205	294	30	< 0.2	1.84	8	60	< 0.5	< 2	2.33	< 0.5	9	35	179	4.03	10	< 1	0.48	10	1.18	545
CJ-120	205	294	< 5	< 0.2	2.06	2	120	< 0.5	< 2	2.69	< 0.5	9	29	122	3.83	10	< 1	1.53	< 10	1.21	500
CJ-121	205	294	30	0.4	1.47	14	90	< 0.5	< 2	2.64	< 0.5	14	29	441	3.09	< 10	< 1	0.77	< 10	0.74	375
CJ-122	205	294	< 5	< 0.2	1.54	2	60	< 0.5	< 2	1.31	< 0.5	5	52	76	2.62	10	< 1	0.84	< 10	0.87	285
CJ-123	205	294	< 5	< 0.2	1.69	10	100	< 0.5	< 2	1.99	< 0.5	10	36	198	3.11	10	< 1	0.96	< 10	0.91	365
CJ-124	205	294	< 5	< 0.2	1.57	6	70	< 0.5	2	1.42	< 0.5	9	40	139	2.92	10	< 1	0.88	< 10	0.89	305
CJ-125	205	294	< 5	< 0.2	1.41	8	70	< 0.5	< 2	1.45	< 0.5	13	38	326	3.02	< 10	< 1	0.73	< 10	0.89	325
CJ-126	205	294	< 5	0.6	2.06	10	150	< 0.5	< 2	1.38	< 0.5	15	32	904	3.57	< 10	< 1	1.35	< 10	1.16	430
CJ-127	205	294	75	< 0.2	2.26	< 2	150	< 0.5	< 2	1.29	< 0.5	11	32	178	4.48	10	< 1	1.37	< 10	1.16	535

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: HASTINGS MANAGEMENT CORP.

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CERTIFICATE OF ANALYSIS A9637708

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CJ-089A	205	294	< 1	< 0.01	35	240	8	4	20	290	0.21	< 10	< 10	242	< 10	68
CJ-089	205	294	1	< 0.01	28	980	6	2	10	246	0.19	< 10	< 10	147	< 10	50
CJ-090	205	294	1	0.01	27	1170	4	2	6	165	0.16	< 10	< 10	114	< 10	48
CJ-091	205	294	< 1	< 0.01	17	1400	4	2	4	156	0.19	< 10	< 10	167	< 10	52
CJ-092	205	294	< 1	< 0.01	18	1920	2	6	5	126	0.18	< 10	< 10	216	< 10	58
CJ-093	205	294	1	0.01	10	1920	< 2	2	4	157	0.18	< 10	< 10	174	< 10	54
CJ-094	205	294	1	0.03	9	2000	2	4	5	181	0.19	< 10	< 10	153	< 10	54
CJ-095	205	294	3	0.01	10	2140	4	2	6	151	0.19	< 10	< 10	180	< 10	44
CJ-096	205	294	1	0.01	9	1490	2	2	6	198	0.20	< 10	< 10	141	< 10	46
CJ-097	205	294	6	0.01	9	1100	4	4	4	136	0.16	< 10	< 10	84	< 10	42
CJ-098	205	294	2	< 0.01	8	1140	52	6	5	91	0.16	< 10	< 10	87	< 10	208
CJ-099	205	294	4	< 0.01	8	1410	338	8	6	125	0.15	< 10	< 10	105	< 10	242
CJ-100	205	294	5	< 0.01	7	1550	8	4	7	156	0.12	< 10	< 10	101	< 10	154
CJ-101	205	294	4	< 0.01	6	1480	18	4	6	199	0.16	< 10	< 10	96	< 10	134
CJ-102	205	294	2	0.02	4	770	58	2	3	93	0.08	< 10	< 10	39	< 10	90
CJ-103	205	294	1	0.03	4	440	16	< 2	1	97	0.05	< 10	< 10	27	< 10	32
CJ-104	205	294	5	0.02	3	710	4	2	4	138	0.03	< 10	< 10	54	< 10	50
CJ-105	205	294	5	0.01	4	1030	10	4	4	154	0.11	< 10	< 10	72	< 10	64
CJ-106	205	294	1	0.03	5	920	2	2	4	184	0.10	< 10	< 10	73	< 10	56
CJ-107	205	294	2	0.02	5	1020	6	2	4	146	0.08	< 10	< 10	67	< 10	52
CJ-108	205	294	5	0.01	5	1240	6	2	3	243	0.02	< 10	< 10	68	< 10	56
CJ-109	205	294	11	0.01	3	1390	2	2	4	151	0.14	< 10	< 10	77	< 10	38
CJ-110	205	294	5	0.02	3	1240	4	< 2	3	147	0.11	< 10	< 10	54	< 10	40
CJ-111	205	294	9	0.01	1	560	4	< 2	< 1	279	< 0.01	< 10	< 10	16	< 10	24
CJ-112	205	294	16	0.01	1	590	2	2	< 1	236	< 0.01	< 10	< 10	14	< 10	20
CJ-113	205	294	38	0.01	2	640	2	2	1	217	< 0.01	< 10	< 10	16	< 10	30
CJ-114	205	294	11	< 0.01	1	540	2	< 2	1	265	< 0.01	< 10	< 10	14	< 10	30
CJ-115	205	294	172	< 0.01	2	460	2	< 2	< 1	168	< 0.01	< 10	< 10	12	< 10	82
CJ-116	205	294	119	0.01	1	490	4	< 2	1	182	< 0.01	< 10	< 10	15	< 10	30
CJ-117	205	294	8	0.01	3	640	4	< 2	1	216	< 0.01	< 10	< 10	31	< 10	32
CJ-118	205	294	11	0.02	7	1050	< 2	2	4	149	0.10	< 10	< 10	76	< 10	44
CJ-119	205	294	40	0.02	5	910	2	2	4	152	0.04	< 10	< 10	65	< 10	36
CJ-120	205	294	34	0.02	5	950	2	2	5	167	0.13	< 10	< 10	62	< 10	34
CJ-121	205	294	12	0.01	5	820	6	2	1	173	0.05	< 10	< 10	32	< 10	32
CJ-122	205	294	4	0.03	4	670	2	2	3	102	0.07	< 10	< 10	43	< 10	24
CJ-123	205	294	18	0.03	5	830	2	< 2	3	100	0.08	< 10	< 10	42	< 10	28
CJ-124	205	294	5	0.03	5	810	2	2	3	99	0.11	< 10	< 10	48	< 10	26
CJ-125	205	294	1	0.03	5	760	2	2	3	89	0.09	< 10	< 10	50	< 10	32
CJ-126	205	294	23	0.02	4	1190	< 2	2	2	102	0.14	< 10	< 10	49	< 10	48
CJ-127	205	294	32	0.02	5	1010	2	2	2	108	0.15	< 10	< 10	57	< 10	42

CERTIFICATION: