1986/87 BOSS CLAIMS REPORT

(NTS ~~93K/13W~~)
93F/13W

for

NECHAKO JOINT VENTURE

by: PETER R. DELANCEY, P. Eng.
Vancouver, British Columbia
November, 1987

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1. INTRODUCTION

The Boss Claims were staked as a result of a 1986 regional reconnaissance program for precious metal deposits in the Nechako Plateau area of Central British Columbia. The program was proposed and operated by Atna Resources Ltd. (Dr. Tom Richards, Colin Harivel) and funded by the Nechako Joint Venture, composed of Imperial Metals Corporation, Interaction Resources Ltd., and Atna Resources Ltd. Limited property exploration was carried out by Atna in 1986. In 1987, Imperial Metals Corporation, as Operator for exploration on the Boss Claims, undertook a program of geological mapping, prospecting, rock sampling and soil sampling.

1.1 Location and Access:

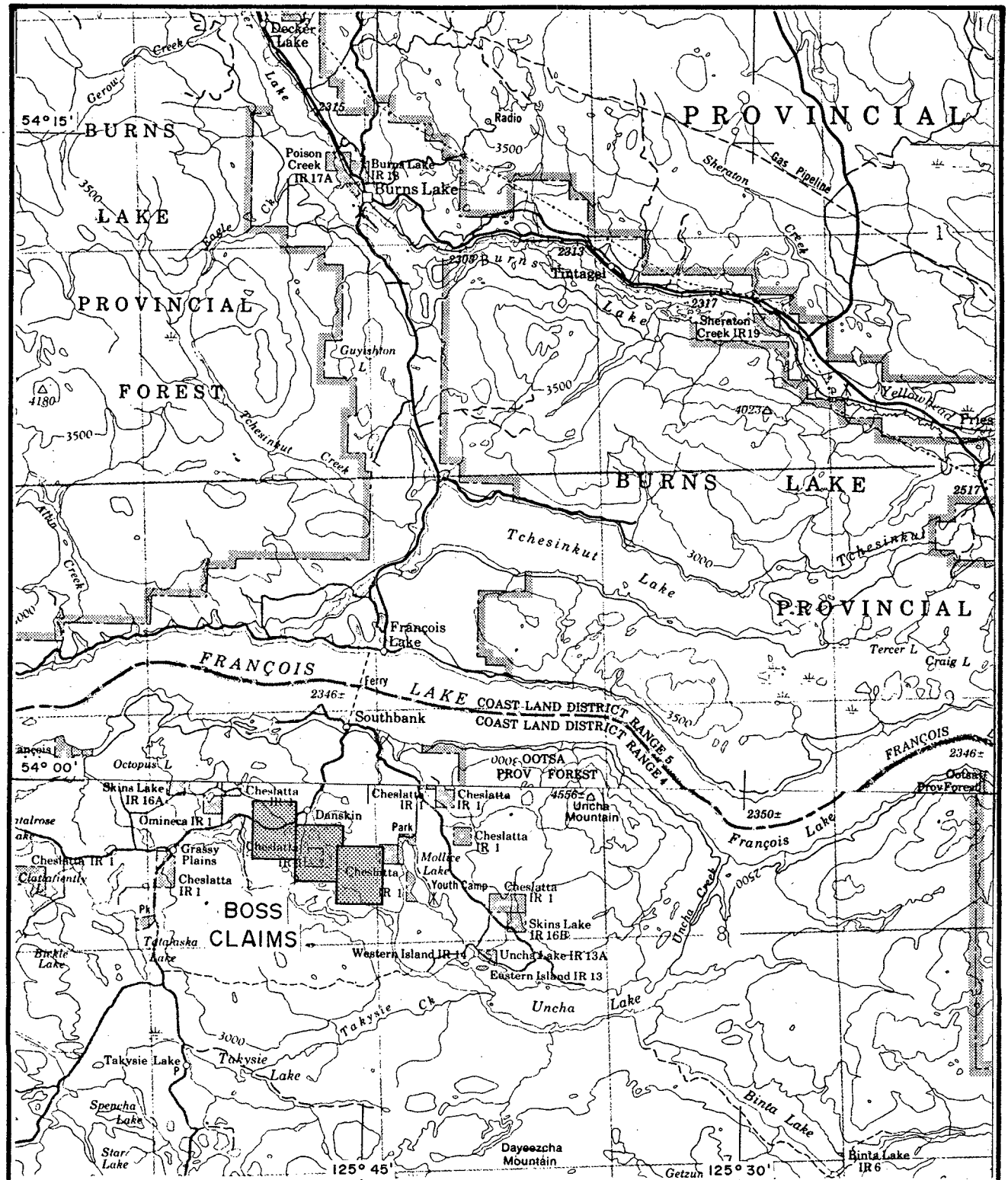
The Boss Claims are located immediately south and west of the village of Danskin (NTS 93K/13W). Access is via paved road south from Burns Lake, across Francois Lake by B.C. Government ferry to Southbank and hence some 6 km to Danskin. Secondary gravel roads give good access to most of the property (Figure 1 and 2).

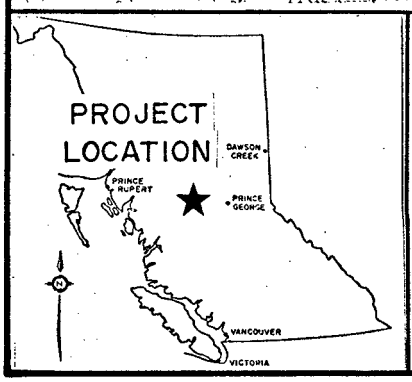
1.2 Physiography and Climate:

The property lies within the Nechako Plateau, an area typified by low rounded hills, separated by broad valleys. Vegetation is mainly spruce and balsam. Swamps are common adjacent the numerous lakes and creeks. Outcrop is sparse and generally limited to small hills or knobs; creeks are rarely incised to bedrock. Climate is typical of north central B.C. with cold winters and mild summers; winter snow accumulation have generally disappeared by June.

1.3 Claim Status:

The Boss Claims are owned by the Nechako Joint Venture and are presently registered in the name of Imperial Metals Corporation. Claim locations are shown on Figure 2.





IMPERIAL METALS CORPORATION

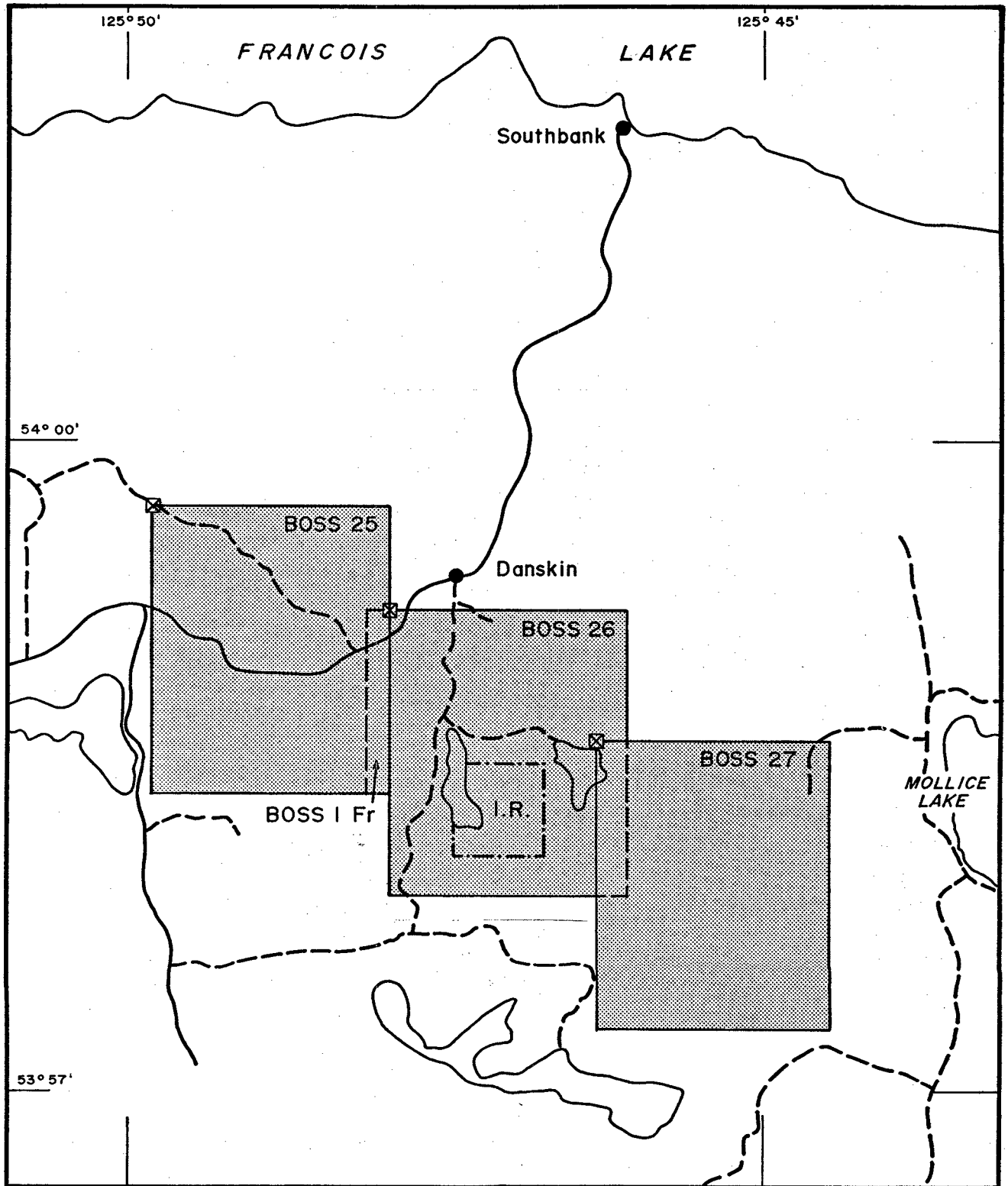
BOSS CLAIMS

FIGURE 1 N.T.S. 93F

LOCATION MAP

Km 5 0 5 10 Km

SCALE: 1 : 250 000	GEOLOGIST: P. D., M. B.
DATE: SEPTEMBER 1987	DRAWN BY: S. HAWORTH



IMPERIAL METALS CORPORATION

BOSS CLAIMS

FIGURE 2 N.T.S. 93F/13W

CLAIM MAP

Km 1 0 1 2 Km

SCALE: 1:50 000	GEOLOGIST: P. D., M. B.
DATE: SEPTEMBER 1987	DRAWN BY: S. HAWORTH

Claim Name	Record No.	Date Staked	Date Recorded	* Expiry Date
BOSS 25	8097	29 OCT/86	20 NOV/86	20 NOV/89
BOSS 26	8103	03 DEC/86	15 DEC/86	15 DEC/89
BOSS 27	8098	29 OCT/86	20 NOV/86	20 NOV/89
BOSS 1 Fr	8104	03 DEC/86	15 DEC/86	15 DEC/89

* Expiry Date conditional on acceptance of Statement of Expenditures and Assessment Report.

1.4 History of Property:

The Boss property covers the location of previously staked claims. Although no assessment work is recorded in the immediate area, earlier exploration work is attested by the presence of cat-excavated trenches (1969 ?) at two locations - Bottle Zone and Jerome Zone.

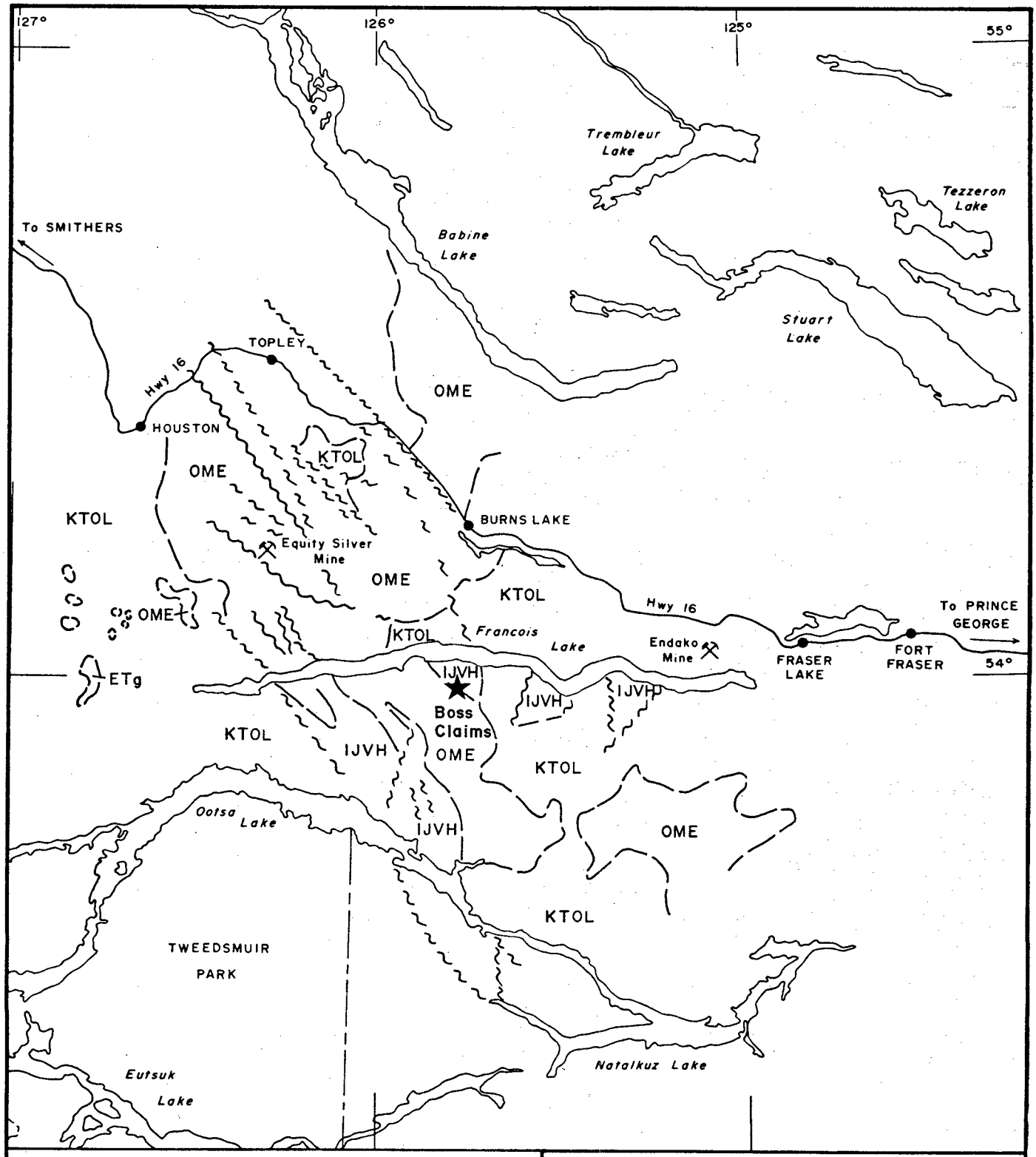
1.5 1987 Exploration Program:

The object of the 1987 program was to evaluate the Boss Claims with particular emphasis on those areas where preliminary exploration by Atna in 1986 indicated anomalous gold values or favourable alteration and mineralization. Because of the relative lack of outcrop, geological mapping and interpretation is somewhat sketchy. Rock sampling was concentrated on zones of quartz-carbonate alteration, quartz veining, silicification and fluorite occurences. Two soil grids were established with the hope of extending the mineralized and altered zones beneath surficial cover.

2. GEOLOGY

2.1 Regional Geology:

The Boss Claims lie within the Intermontane Belt of the Canadian Cordillera. Rocks range in age from Upper Paleozoic to Pliocene. Much of the area is covered by late Tertiary volcanic flows and surficial glacial deposits. The claim area has been mapped by the G.S.C. at a scale of 1:250,000 (Nechako River by Tipper 1955); however more recent work on adjacent map sheets (Smithers and Whitesail Lake) suggest the need for revisions.



LEGEND

~~	Fault
OME	Tertiary Endako Group - basalt, andesite, dacite
KTOL	VK, LT, Ootsa Lake Group - intermediate to felsic volcanics & sediments
ETg	Tertiary - quartz monzonite, granodiorite
IJVH	Jurassic - andesite to rhyolite flows, tuffs, breccia, sediments

IMPERIAL METALS CORPORATION

BOSS CLAIMS

FIGURE 3 N.T.S. NN8/9 &10

REGIONAL GEOLOGY

Km 20 0 20 40 Km

SCALE 1 : 1 000 000 | GEOLOGIST: P. D., M. B.

DATE SEPTEMBER 1987 | DRAWN BY: S. HAWORTH

A regional 1974 compilation at a scale of 1,000,000 (Figure 3) shows the general area to be underlain by: (1) Hazelton Group (J-K) andesitic to rhyolitic tuffs, breccia, flows and sediments; (2) Ootsa Lake Group (Paleocene - Eocene) continental rhyolitic, dacites, trachytes, sandstones, shales, conglomerates; (3) Endako Group (Oligocene and Miocene) continental basalts, andesites and dacites; (4) Cretaceous and/or Tertiary quartz monzonite to quartz diorite intrusive stocks. More recent work has recognized two assemblages between the Hazelton and Ootsa Groups - these are the Skeena Groups (Lower to Middle Cretaceous) typified by chert pebble conglomerate and the Kasalka Group (Upper Cretaceous) consisting of continental andesites, basalts, rhyolites. Structurally, the area is similar to the Basin and Range area of Nevada, with down-drop volcanic basins, calderas, and prominent fault structures.

Mineralization is generally related to intrusive or hydrothermal activity along these structures. The molybdenun mineralization at the Endako Mine is associated with Jura-Cretaceous Francois Lake intrusives. Precious metal epithermal deposits such as Equity Silver, Bradina, Bob Creek and Wolf are principally associated with Upper Cretaceous - Tertiary (Laramide) centres of volcanic activity.

2.2 Property Geology:

Outcrop is limited to small rounded knobs, and as such, correlation of rock units and geological interpretation is somewhat limited (Figure 4). In general the northeast portion of the claims are underlain by chert pebble conglomerates and sandstones of the Skeena Group. These rocks and adjacent andesites, appear to have been intruded by rhyolite and quartz monzonite, possibly indicating a Tertiary volcanic centre. Quartz veins, fluorite and silicifications are associated with these felsic rocks. The southwest portion of the property is typified by outcrops of bladed feldspar porphyry, probably of the Ootsa Lake Group. The central portion of the claims occur along a $\pm$ 2 km wide by + 6 km long zone of shearing within a variety of rock types including augite porphyry (Takla Group ?), hornblende fledspar porphyry, andesite and basalt. Locally, these rocks are altered to quartz carbonate. If projected northwesterly across Francois Lake these structures would "line up with" one or more of the fault structures in the general area of the Equity Silver Mine.

2.3 Mineralization:

Mineralization occurs as two distinct types - quartz-carbonate altered zones along northwest trending shears, and quartz veins, fluorite and silicification associated with felsic intrusive rocks adjacent to the shear or fault structure(s).

Mapping has indicated several zones of quartz-carbonate alteration; these include the Pop, Witness, Bottle, It's New and Jerome Zones (Figure 4). The altered rock contains sparse amounts of pyrite and locally chalcopyrite. The zones are expressed physiographically as small knobs, separated by areas of overburden. Several of these zones were sampled in 1986; results showed several samples with gold values greater than 100 ppb. The highest value 1540 ppb Au was from the Pop zone. Extensive rock sampling of these zones and others in 1987 indicated only a few anomalous gold values with the highest being 735 ppb Au. Soil sampling immediately northwest of the Pop zone failed to indicate an extension of the mineralization.

Quartz veins, fluorite and silicification/pyritization occurs at the north boundary of Boss 27 claim. The fluorite is relatively widespread occuring locally as fracture fillings and pockets in andesite, chert pebble conglomerate and quartz monzonite. The highest gold value of 220 ppb Au is from northeast trending quartz veins cutting andesite and chert pebble conglomerate. This outcrop area is referred to as the Lake Zone. The mineralization and accompanying quartz veins, fluorite and silicification/pyritization appear to be associated with the rhyolite and quartz monzonite rocks adjacent the northwest trending shear structure.

GEOCHEMISTRY

3.1 Field Procedures:

Grab rock samples were collected from areas where possible gold mineralization was indicated. Soil samples were taken of the B horizon material on two soil grids, at 25 m intervals along lines 100 m apart, (Figure 5). Both rocks and soils were analyzed geochemically for 30 element ICP and gold by AA.

30 – 46 cm depth

3.2 Geochemical Results:

Results for all rock samples collected in 1986 and 122 rock samples collected in 1987 and all soil samples are presented in Appendix A, B and C respectively. All rock sample locations are indicated on Figure 5 and values over 100 ppb Au are indicated. Soil values for Au, Ag, Pb, and Zn are plotted for grids A & B (Figure 5A &B). No soil samples ran greater than 100 ppb Au.

Several of the samples show anomalous but erratic values in Cu, Zn, As, Sr, Sb and Ba. Silver shows some correlation with gold; however the highest Ag value of 1.3 ppm from the Pop zone correlates with a 1 ppb Au value.

4. DISCUSSION

Results of analyses of rock and soil samples is largely disappointing. Geologically the property is interesting in that quartz carbonate alteration occured over the entire length of the property and immediate northeast of this shear zone, rocks are cut by felsic intrusives (volcanic centre ?) with associated fluorite, quartz and silicification.

5. CONCLUSION

Although the property presents and interesting geological target for precious metal mineralization, sampling to date has not outlined any particular area for follow-up exploration.

ITEMIZED COST STATEMENT 1986 - 1987

BOSS CLAIMS

Dates: June 23 - July 2, July 30-31, August 1

Wages:		
Senior Geologist 3 days @ $225 =	675.00	
Geologist 8 days @ $125 =	1,000.00	
Geologist 8 days @ $120 =	960.00	
Geologist Assistant 8 days @ $105 =	840.00	
		$ 3,475.00
Accommodation: 11 days @ $50 =		550.00
Food:		500.00
Transportation:		750.00
Geochemical:		
187 rocks @ $15.00/sample =	2,805.00	
262 soils @ $15.00/sample =	3,930.00	
		6,735.00
Reporting and Drafting:		800.00
TOTAL:		$12,810.00

STATEMENT OF QUALIFICATIONS

I, Peter Ross Delancey, of 1748 Dunbar Street, Vancouver, B.C. do hereby certify that:

1. I am a Senior Geologist employed by Imperial Metals Corporation Suite 800 - 601 West Hastings Street, Vancouver, B.C.

2. I have been practising my profession as an exploration geologist since 1967, and have been involved in mining exploration in British Columbia for 17 years.

3. I am a Professional Engineer registered with the Professional Engineering Association of British Columbia.

4. I am a Fellow of The Geological Association of Canada.

5. I obtained my Master of Science Degree from The University of Manitoba, Winipeg, Manitoba in 1967.

DATED this 16 day of December, 1987.

P. R. Delancey

Peter R. Delancey, P. Eng.

STATEMENT OF QUALIFICATIONS

NAME: Mark Baknes

POSITION: Field Geologist, Imperial Metals Corporation

EDUCATION: B.Sc. - Geology 1986, University of British Columbia

EXPERIENCE: Five summers of varied exploration in British Columbia with mining companies.

DATED this 16 day of Dec, 1987.

R. K. Yancey for.

Mark Baknes

BIBLIOGRAPHY

1. Atna Resources Ltd. (1986), Regional Reconnaissance Program, Company Report.

2. Tipper, H.W., (1955), Nechako River Map Area, Geol. Surv. Canada, Memoir, 324

3. Tipper, H.W. and Richards, T.A. (1976), Geology of Smithers Map Area (93L); Open File Map 351.

4. Woodsworth, G.J. (1979), Geology of Whitesail Lake Map Area (93E), Open File Map 708.

APPENDIX A

1986 ROCK GEOCHEMICAL ANALYSES AND ASSAYS

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: TOM RICHARDS
ATTENTION: T.RICHARDS
PROJECT: N/G

REPORT#: 860538PA
JOB#: 860538
INVOICE#: 860538NA

DATE RECEIVED: 86/10/16
DATE COMPLETED: 86/10/22
COPY SENT TO:

ANALYST W. Pezzotti

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH-86-191	.1	1.66	ND	ND	25	ND	.34	.1	25	77	43	6.21	.16	1.06	617	6	.01	81	.12	14	ND	ND	ND	ND	16	ND	ND	60
CH-86-192	.1	2.24	ND	ND	59	ND	.65	.6	32	93	59	6.09	.12	1.64	993	4	.01	107	.15	11	ND	ND	ND	ND	27	ND	ND	101
CH-86-193	.1	.46	59	ND	15	ND	9.61	.1	29	84	57	3.75	.05	4.55	1096	10	.01	63	.04	21	ND	ND	ND	ND	233	ND	ND	79
CH-86-194	.1	.58	39	ND	49	ND	6.58	.1	32	105	83	5.82	.17	3.89	1324	2	.01	64	.07	34	ND	ND	ND	ND	153	ND	4	86
CH-86-195	.1	.35	30	ND	22	ND	10.55	.1	12	83	43	3.52	.04	5.16	914	2	.01	40	.02	20	ND	ND	ND	ND	236	ND	4	73
CH-86-196	.1	.32	38	ND	42	ND	4.62	.1	13	59	76	2.54	.11	2.34	859	12	.01	30	.02	12	ND	ND	ND	ND	122	ND	ND	54
CH-86-197	.1	.14	43	ND	36	ND	8.44	.1	10	42	69	3.16	.08	3.97	1619	12	.01	30	.01	36	ND	ND	ND	ND	212	ND	3	109
CH-86-198	.1	.60	30	ND	214	3	6.58	.1	29	149	82	5.24	.15	4.58	1089	2	.01	68	.06	12	ND	ND	ND	ND	263	ND	3	52
CH-86-199	.1	.07	47	ND	61	ND	9.41	.1	12	41	25	3.37	.07	4.57	1904	9	.01	38	.01	20	ND	ND	ND	ND	196	ND	ND	72
CH-86-200	4.1	.11	16	ND	83	ND	.27	.1	2	51	3	1.14	.02	.13	90	220	.01	3	.04	43	ND	ND	ND	ND	23	ND	ND	14
CH-86-201	10.1	.17	14	ND	35	ND	.08	.1	2	22	3	1.12	.01	.10	52	135	.01	3	.02	190	ND	ND	ND	ND	6	ND	ND	5
CH-86-202	1.3	.12	24	ND	20	ND	.06	.1	4	55	2	2.20	.01	.03	51	324	.01	3	.02	35	ND	ND	ND	ND	4	ND	ND	3
CH-86-203	1.7	.17	54	4	22	ND	.06	.1	ND	21	3	1.29	.01	.02	32	81	.01	1	.04	12	ND	ND	ND	ND	13	ND	ND	1
CH-86-206	.1	1.98	ND	ND	192	3	3.65	.1	20	118	106	4.04	.16	2.91	893	4	.01	52	.10	5	ND	ND	ND	ND	115	ND	ND	63
CH-86-213	.1	.27	13	ND	30	ND	.10	.1	1	13	3	.44	.07	.06	204	6	1.29	1	.01	17	ND	ND	ND	ND	11	ND	ND	13
CH-86-214	.1	.24	16	ND	13	ND	.04	.1	1	17	1	.43	.06	.03	48	10	.69	ND	.01	15	ND	ND	ND	ND	4	ND	ND	17
CH-86-217	.1	3.45	ND	ND	21	ND	1.18	.1	ND	11	3	.64	.15	.27	709	ND	2.18	1	.01	14	ND	ND	ND	ND	1009	7	ND	43
CH-86-218	.1	4.07	ND	ND	11	ND	1.20	.1	ND	18	1	.86	.20	.32	1521	ND	2.88	ND	.01	18	ND	ND	ND	ND	868	11	ND	73
CH-86-218A	.1	.27	12	ND	4	ND	.04	.1	1	19	3	.58	.03	.02	300	3	.01	2	.01	20	ND	ND	ND	1	20	ND	ND	76
CH-86-219	.1	.19	14	ND	4	ND	.02	.1	1	16	1	.56	.03	.02	270	2	.20	ND	.01	9	ND	ND	ND	2	6	ND	ND	22
CH-86-220	.1	3.20	ND	ND	61	ND	1.02	.1	ND	1	3	.46	.20	.28	368	ND	.44	9	.01	13	ND	ND	ND	ND	101	ND	ND	57
DE-46R	.1	.94	9	ND	46	ND	.32	.1	8	63	18	1.83	.03	.77	356	3	.01	15	.07	5	ND	ND	ND	ND	20	ND	ND	34
DE-48RF	.6	.58	10	ND	46	ND	.25	.1	2	48	48	.76	.06	.17	114	3	.01	6	.10	1	ND	ND	ND	ND	7	ND	ND	21
DE-49R	1.1	.44	11	ND	32	ND	.15	.1	5	22	47	.96	.05	.16	244	3	.01	7	.04	3	ND	ND	ND	ND	6	ND	ND	11
DE-51R	.2	.86	6	ND	180	ND	.15	.1	9	42	19	3.02	.08	.51	192	9	.01	12	.08	12	ND	ND	ND	ND	16	ND	ND	28
DE-52R	.1	.24	13	ND	16	ND	.06	.1	1	7	3	.78	.05	.07	174	3	.16	2	.01	11	ND	ND	ND	4	5	ND	ND	33
DE-53R	.2	1.43	9	ND	292	ND	1.39	2.2	11	25	73	3.04	.13	.73	789	2	.01	41	.06	12	ND	ND	ND	ND	46	ND	ND	207
DE-59R	.1	1.58	ND	ND	29	3	7.33	.1	16	199	67	5.66	.16	2.00	1256	1	.01	93	.10	10	ND	ND	ND	ND	184	ND	ND	40
DE-60R	.1	2.18	ND	ND	74	ND	6.05	.1	38	161	172	6.84	.26	2.31	1024	ND	.01	70	.10	14	ND	ND	ND	ND	148	ND	ND	64
DE-62R	.1	2.38	ND	ND	68	ND	8.41	.1	48	199	104	6.44	.22	2.99	1214	ND	.01	70	.07	16	ND	ND	ND	ND	191	5	ND	68
DE-63R	.1	.11	19	ND	25	ND	5.58	.1	9	67	12	2.95	.10	2.54	1256	2	.01	14	.02	6	ND	ND	ND	ND	42	ND	ND	32
DE-64R	.1	1.77	6	ND	67	ND	7.04	.1	23	109	38	5.50	.15	2.59	1558	2	.01	53	.07	12	ND	ND	ND	ND	119	ND	ND	48
DE-65R	.1	.77	3	ND	401	ND	17.78	.1	5	63	16	1.51	.01	1.16	1842	2	.01	17	.01	194	ND	ND	ND	ND	238	ND	ND	26
DE-67R	.1	2.16	ND	ND	41	ND	7.05	.1	16	70	35	3.80	.10	2.68	2025	ND	.01	29	.06	14	ND	ND	ND	ND	142	ND	3	89
DE-68R	.1	2.49	ND	ND	91	4	5.25	.1	27	169	245	5.70	.15	4.37	1003	ND	.01	50	.08	4	ND	ND	ND	ND	101	ND	4	59
DE-69R	.1	.07	15	ND	22	ND	5.40	.1	4	30	8	2.52	.08	2.37	1331	2	.01	15	.01	6	ND	ND	ND	ND	57	ND	ND	38
DE-70R	.1	.26	17	ND	695	ND	14.28	3.1	2	23	66	3.97	.01	5.69	7365	9	.01	6	.01	165	ND	ND	ND	ND	195	ND	ND	346
DE-72R	.1	1.48	3	ND	96	ND	1.75	.2	7	6	355	3.62	.13	1.31	1017	3	.01	8	.19	8	ND	ND	ND	ND	25	ND	ND	93
DE-73R	.1	.75	50	ND	80	ND	3.18	.1	22	7	275	6.45	.17	1.64	1984	2	.01	13	.08	10	ND	ND	ND	ND	48	ND	ND	72
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
DE-75RF	.1	.45	4	ND	348	ND	1.14	.1	15	4	123	4.23	.14	.43	984	ND	.01	10	.07	7	ND	ND	ND	ND	19	ND	ND	71
DE-76RF	.1	.43	85	ND	72	ND	1.36	.1	7	5	200	3.57	.13	.83	682	8	.01	10	.11	10	ND	ND	ND	ND	56	ND	ND	36
DE-79RF	.3	2.48	ND	ND	23	3	6.17	.2	15	4	86	3.43	.14	1.12	835	ND	.01	8	.07	8	ND	ND	ND	ND	25	ND	ND	56
EL-1RF	1.1	.09	11	3	32	ND	.07	.1	ND	55	7	1.14	.05	.06	84	14	.01	2	.02	14	ND	ND	ND	ND	11	ND	ND	4
EL-2R	.1	2.50	ND	ND	437	ND	1.57	.1	14	45	43	3.58	.15	2.00	966	ND	.01	24	.17	7	ND	ND	ND	ND	143	ND	ND	78
EL-3RF	33.5	.63	4	ND	66	ND	.17	.1	2	49	6	.65	.06	.12	84	35	.01	6	.02	12	ND	ND	ND	ND	8	ND	ND	9
EL-11RF	.1	1.07	ND	ND	143	ND	.25	.2	16	27	25	5.00	.11	.68	658	2	.01	22	.08	16	ND	ND	ND	ND	13	ND	ND	70
EL-12RF	.3	.27	14	ND	23	ND	.06	.1	3	53	9	1.12	.05	.13	137	6	.01	6	.02	17	ND	ND	ND	ND	6	ND	ND	16
EL-17R	.7	2.88	212	ND	64	ND	.75	.1	14	31	23	4.55	.15	1.55	668	22	.01	22	.21	19	ND	ND	ND	ND	221	ND	ND	76
EL-19R	.8	2.25	88	ND	64	3	.81	.1	17	30	21	3.93	.14	1.16	449	19	.01	14	.15	28	ND	ND	ND	ND	96	ND	ND	56
EL-20RF	.9	1.26	ND	ND	301	ND	1.64	.1	43	10	48	2.23	.12	.44	313	1	.01	9	.11	15	ND	ND	ND	3	166	ND	ND	32
LH-86-015F	.4	.74	25	ND	20	ND	3.08	.1	13	64	1596	2.94	.14	1.48	535	3	.01	34	.04	7	ND	ND	ND	ND	127	ND	ND	36
PS-86-191RF	15.6	.13	9	ND	26	ND	.05	.1	2	20	8	1.42	.08	.03	57	442	.01	6	.02	98	ND	ND	ND	ND	5	ND	ND	17
PS-86-191RF	.7	1.61	100	ND	252	6	1.01	.2	10	97	14	3.03	.10	2.03	778	5	.01	24	.04	47	ND	ND	ND	ND	37	ND	ND	116
PS-86-192RF	3.7	.89	91	ND	183	ND	1.04	7.7	6	15	98	2.85	.15	.64	999	3	.01	7	.05	429	ND	ND	ND	ND	35	ND	ND	897
PS-86-193RF	4.6	.05	15	ND	145	ND	.26	1.8	1	68	125	.65	.06	.04	428	3	.01	4	.01	251	ND	ND	ND	1	7	ND	ND	220
PS-86-194RF	13.6	.32	60	ND	66	ND	.64	10.5	3	24	525	1.75	.11	.21	327	9	.01	5	.02	2246	ND	ND	3	ND	18	ND	ND	1589
PS-86-195RF	20.4	.35	51	ND	74	ND	.78	8.5	4	56	493	1.78	.11	.30	424	8	.01	5	.02	2420	ND	ND	ND	ND	17	ND	ND	1196
PS-86-197R	58.2	.88	69	3	53	ND	1.10	116.8	4	29	16966	3.80	.11	1.24	899	104	.01	10	.01	33962	ND	ND	21	ND	46	ND	42	12936
PS-86-198RF	9.8	.36	52	3	93	ND	.17	1.7	4	72	139	1.72	.10	.56	466	331	.01	20	.01	675	ND	ND	14	1	8	9	ND	236
PS-86-199R	5.6	.35	68	ND	526	ND	.36	2.1	3	29	103	1.99	.08	.43	508	359	.01	7	.01	1138	ND	ND	18	1	23	ND	ND	307
PS-86-200R	74.9	.05	31	ND	10	ND	15.32	16.6	ND	22	358	3.79	.05	2.60	3677	153	.01	7	.01	897	ND	ND	15	ND	152	ND	12	1260
PS-86-201R	35.4	.48	192	ND	27	ND	.05	11.7	5	28	587	4.86	.10	.62	245	839	.01	13	.01	4017	ND	ND	35	ND	8	ND	ND	1415
PS-86-202R	2.7	1.17	100	ND	178	ND	.07	.5	3	31	28	2.88	.11	1.00	619	15	.01	6	.08	251	ND	ND	3	ND	26	ND	ND	327
PS-86-203RF	9.9	.05	31	3	197	3	.13	55.0	2	64	300	.65	.04	.15	187	12	.01	4	.01	12937	ND	ND	11	4	10	ND	83	21988
PS-86-204R	1.1	2.30	ND	ND	8	ND	2.61	.4	10	41	742	2.61	.14	.83	632	ND	.01	22	.08	84	ND	ND	ND	ND	466	3	ND	127
PS-86-205R	.9	1.21	ND	ND	44	6	.86	.1	125	16	65	6.19	.14	1.09	670	ND	.01	14	.09	73	ND	ND	ND	6	48	ND	ND	127
PS-86-206RF	4.2	.91	3	ND	40	ND	.40	.2	8	24	4450	2.21	.11	.58	449	1	.01	5	.03	28	ND	ND	3	ND	50	ND	ND	44
PS-86-207R	7.8	2.12	ND	ND	122	8	2.45	.4	11	27	5654	3.61	.15	1.34	977	1	.01	7	.09	28	ND	ND	ND	ND	220	ND	ND	70
PS-86-208R	.1	.31	ND	ND	63	ND	13.33	.1	18	40	731	6.21	.16	4.74	2288	ND	.01	32	.03	9	ND	ND	ND	ND	199	ND	4	51
PS-86-209R	.3	.08	10	ND	53	ND	1.49	.1	2	55	60	2.11	.11	.28	950	1	.01	9	.03	24	ND	ND	ND	ND	57	ND	ND	60
PS-86-2010RF	.7	.11	55	ND	26	ND	3.66	.1	5	24	1786	1.71	.15	.71	1017	ND	.01	11	.06	11	ND	ND	3	ND	49	ND	ND	14
PS-86-2011R	.1	.54	ND	ND	281	ND	7.66	.2	11	8	67	4.06	.25	1.94	1914	ND	.01	11	.23	12	ND	ND	ND	ND	126	6	ND	41
PS-86-2012R	.1	.22	ND	ND	27	ND	12.97	.1	17	99	38	2.86	.10	8.14	858	ND	.01	62	.01	2	ND	ND	ND	ND	1290	ND	3	24
PS-86-2013R	1.0	.01	114	ND	1798	ND	1.11	.1	6	81	1122	1.10	.12	.51	1289	2	.01	18	.01	13	ND	ND	10	ND	71	6	ND	11
PS-86-2014R	.1	.10	10	ND	44	ND	11.21	.1	15	46	302	2.90	.15	4.52	2822	ND	.01	53	.02	7	ND	ND	ND	ND	272	ND	4	35
PS-86-2015R	.8	.02	20	ND	55	ND	.74	.1	2	86	142	.70	.12	.14	347	2	.01	7	.01	17	ND	ND	4	ND	12	6	ND	7
PS-86-2016R	.6	.07	40	ND	33	ND	2.76	.1	7	51	1568	1.91	.15	.88	1644	1	.01	26	.01	14	ND	ND	ND	ND	33	4	ND	13
PS-86-2017R	.5	.01	12	ND	12	ND	.06	.1	2	110	37	.60	.05	.02	176	2	.01	7	.01	12	ND	ND	ND	1	3	ND	ND	4
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: TOM RICHARDS JOB#: 860538 PROJECT: N/G REPORT: 860538PA DATE: 86/10/22

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
PS-86-218R	.1	.11	19	ND	27	3	6.51	.2	10	54	411	2.15	.13	2.54	1369	2	.01	39	.03	15	ND	ND	ND	1	152	ND	ND	20
PS-86-219RF CHIP	.1	.02	23	ND	27	ND	.54	.1	6	73	76	.81	.07	.17	510	2	.01	15	.01	17	ND	ND	ND	ND	13	ND	ND	6
PS-86-220R	.1	.08	15	ND	13	ND	8.89	.5	7	24	11	2.99	.17	4.33	1463	ND	.01	13	.01	19	ND	ND	ND	ND	325	7	6	63
PS-86-221R	1.3	.12	39	ND	103	ND	.15	.1	1	27	13	.77	.12	.07	64	5	.01	5	.01	25	ND	ND	4	ND	17	7	ND	7
PS-86-222R	1.2	.08	61	ND	355	ND	.06	.1	1	59	9	1.04	.12	.04	56	9	.01	6	.01	26	ND	ND	4	1	14	ND	ND	9
TR-86-400	3.1	.08	18	ND	23	ND	.04	.2	4	62	3	1.66	.12	.03	37	498	.01	7	.04	60	ND	ND	ND	1	4	ND	ND	2
TR-86-401	.5	.34	4	ND	29	ND	.63	.1	1	16	59	13.06	.26	.12	120	7	.01	2	.08	21	ND	ND	ND	ND	13	6	ND	15
TR-86-402	1.1	.63	6	ND	35	ND	3.79	.4	14	9	13	4.29	.22	.61	542	4	.01	7	.10	24	ND	ND	ND	2	34	9	ND	37
TR-86-406	.8	.08	12	ND	6	ND	.05	.4	1	25	1	.58	.14	.02	283	2	.29	2	.01	34	ND	ND	ND	4	1	ND	ND	31
TR-86-407	.5	.17	27	ND	113	ND	2.41	.1	19	59	110	3.24	.17	.63	682	5	.01	32	.03	26	ND	ND	15	ND	65	5	ND	51
TR-86-408	.7	2.97	ND	ND	96	ND	.72	.6	4	4	23	2.08	.24	1.13	440	2	.01	5	.03	21	ND	ND	ND	ND	54	ND	ND	35
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DR. T. A. RICHARDS
ADDRESS: R R #1
: Hazelton, BC
: V0J 1Y0

DATE: Oct 24 1986

REPORT#: 860538 GB
JOB#: 860538

PROJECT#: None Given
SAMPLES ARRIVED: Oct 21 1986
REPORT COMPLETED: Oct 24 1986
ANALYSED FOR: Au (FA/AAS) Hg ICP

INVOICE#: 860538 NA
TOTAL SAMPLES: 89
SAMPLE TYPE: 89 ROCK
REJECTS: SAVED

SAMPLES FROM: DR. T. A. RICHARDS
COPY SENT TO: See Remarks

PREPARED FOR: DR. T. A. RICHARDS

ANALYSED BY: VGC Staff

SIGNED:

GENERAL REMARK: Copies: C Harivel, A Mullen, L Thorstad, Z Nikic

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REPORT NUMBER: 860538 GB JOB NUMBER: 860538 **DR. T. A. RICHARDS**

SAMPLE #	Au ppb	Hg ppb
CH-191 -86	nd	—
CH-192 -86	nd	—
CH-193 -86	40	—
CH-194 -86	nd	—
CH-195 -86	nd	—
CH-196 -86	nd	—
CH-197 -86	890	—
CH-198 -86	nd	—
CH-199 -86	nd	—
CH-200 -86	300	—
CH-201 -86	460	—
CH-202 -86	570	—
CH-203 -86	4450	—
CH-206 -86	nd	—
CH-213 -86	nd	—
CH-214 -86	nd	—
CH-217 -86	nd	—
CH-218 -86	nd	75
CH-218 -86(A)	nd	35
CH-219 -86	nd	5
CH-220 -86	10	5
DE- 46R	nd	—
DE- 48RF	80	—
DE- 49R	1645	—
DE- 51R	360	—
DE- 52R	nd	—
DE- 53R	40	—
DE- 59R	10	—
DE- 60R	nd	—
DE- 62R	nd	—
DE- 63R	nd	—
DE- 64R	20	—
DE- 65R	nd	—
DE- 67R	100	—
DE- 68R	50	—
DE- 69RF	nd	—
DE- 70R	1540	—
DE- 72RF	nd	—
DE- 73RF	nd	—
DETECTION LIMIT	5	5

nd = none detected — = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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VANCOUVER, B.C. V5L 1L6
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SAMPLE #	Au ppb	Hg ppb
DE- 75RF	nd	--
DE- 76RF	90	--
DE- 79R	10	--
EL- 1RF	5210	--
EL- 2R	nd	--
EL- 3RF	nd	--
EL- 11RF	30	--
EL- 12RF	30	--
EL- 17R	120	--
EL- 19R	10	--
EL- 20RF	nd	--
EL-108	nd	--
LH- 15 F-86	200	--
PS-191RF-86	40	--
PS-192RF-86	110	--
PS-193RF-86	10	--
PS-194RF-86	180	--
PS-195RF-86	185	--
PS-197R -86	300	--
PS-198RF-86	420	--
PS-199R -86	360	--
PS-200R -86	550	--
PS-201R -86	1230	--
PS-202R -86	20	--
PS-203RF-86	nd	--
PS-204R -86	30	--
PS-205R -86	30	--
PS-206RF-86	nd	--
PS-207R -86	70	--
PS-208R -86	nd	--
PS-209R -86	nd	--
PS-210RF-86	nd	--
PS-211R -86	nd	--
PS-212R -86	nd	--
PS-213R -86	10	--
PS-214R -86	nd	--
PS-215R -86	nd	--
PS-216R -86	20	--
PS-217R -86	nd	--
DETECTION LIMIT	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb	Hg ppb
PS-218R -86	nd	—
PS-219RF-86 (CHIPS)	nd	—
PS-220R -86	nd	—
PS-221R -86	nd	—
PS-222R -86	100	—
TR-400 -86	340	—
TR-401 -86	30	—
TR-402 -86	30	—
TR-406 -86	nd	10
TR-407 -86	nd	—
TR-408 -86	nd	—

DETECTION LIMIT 5 5
nd = none detected — = not analysed is = insufficient samole

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 (604) 984-0221 TELEX 04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER. NECHAKO J.V.
THIS LEACH IS PARTIAL FOR BI,MN,FE,CA,P,CR,MG,BA,TI,B,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE. ND= NOT DETECTED. -= NOT ANALYZED

COMPANY: T.RICHARDS
ATTENTION: T.RICHARDS
PROJECT: BOSS

REPORT#: 860739PA
JOB#: 860739
INVOICE#: 860739NA

DATE RECEIVED: 86/12/17
DATE COMPLETED: 86/12/24
COPY SENT TO:

ANALYST W. Rivers

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
LH-53	.1	.53	78	ND	61	3	1.98	.1	13	7	176	5.73	.12	1.16	841	1	.01	9	.19	2	ND	ND	ND	ND	56	ND	ND	41
LH-54	.1	.34	35	ND	31	ND	.60	.1	8	1	30	3.47	.08	.22	224	1	.01	3	.08	5	ND	ND	3	ND	28	ND	ND	11
LH-55	.1	1.04	27	ND	51	ND	2.17	.1	16	5	132	4.44	.14	1.08	1405	ND	.01	8	.07	4	ND	ND	ND	ND	47	ND	ND	59
LH-56	.1	.54	13	ND	48	ND	2.08	.1	16	5	223	4.39	.16	1.04	1413	1	.01	14	.13	3	ND	ND	ND	ND	38	ND	ND	87
LH-57	.1	.40	100	ND	58	ND	9.08	.1	21	159	720	4.33	.13	3.87	1278	1	.01	89	.05	5	ND	ND	6	ND	176	ND	ND	53
LH-59	.1	.93	74	ND	84	ND	1.45	.6	14	8	124	3.17	.17	.43	739	1	.01	8	.20	11	ND	ND	ND	ND	47	3	ND	64
86DE-89	.1	.11	16	ND	53	ND	6.16	.1	5	31	19	3.97	.12	2.52	1975	1	.01	12	.01	1	ND	ND	ND	ND	66	ND	ND	16
86DE-90	.1	.65	8	ND	218	ND	9.83	.1	30	111	20	5.33	.16	3.82	2434	1	.01	82	.04	4	ND	ND	ND	ND	138	ND	ND	17
86DE-91	.1	.03	15	ND	522	3	3.45	.1	7	59	84	2.57	.11	1.41	910	2	.01	22	.01	ND	ND	ND	ND	ND	45	ND	ND	13
86DE-92	.1	.38	6	ND	330	ND	12.51	.1	19	73	339	4.25	.07	3.90	2104	2	.01	37	.01	9	ND	ND	ND	ND	207	ND	ND	28
86DE-93	.1	1.12	ND	ND	180	ND	7.49	.1	62	314	413	4.62	.19	3.95	1335	1	.01	157	.08	6	ND	ND	ND	ND	102	ND	ND	30
86DE-94	.1	.01	38	ND	290	ND	13.85	.1	14	43	25	6.66	.10	5.27	2880	1	.01	28	.01	12	ND	ND	ND	ND	121	ND	5	39
86DE-95	.1	.71	8	ND	220	ND	14.98	.1	13	53	80	4.00	.03	2.95	2532	3	.01	28	.01	21	ND	ND	ND	ND	314	ND	ND	23
86DE-97	.1	.35	19	ND	107	ND	2.13	.3	16	92	39	2.09	.08	1.39	593	2	.01	193	.04	ND	ND	ND	ND	ND	65	ND	ND	32
86LH-101	.1	1.28	3	ND	85	ND	7.99	.1	14	100	154	2.77	.17	2.24	1451	ND	.01	44	.07	3	ND	ND	ND	ND	189	ND	ND	21
86LH-102	.1	1.50	35	ND	50	ND	6.98	.1	54	153	378	6.29	.24	3.45	1360	3	.01	109	.11	7	ND	ND	ND	ND	119	ND	4	36
86LH-103	.1	.48	20	ND	31	ND	10.11	.1	21	88	84	5.15	.16	4.87	1434	2	.01	62	.06	9	ND	ND	ND	ND	160	ND	ND	24
86LH-104	.1	.44	ND	ND	582	ND	11.83	.1	13	66	33	5.16	.11	5.87	1753	1	.01	36	.03	9	ND	ND	ND	ND	176	ND	4	29
86LH-105	.1	2.86	ND	ND	282	5	2.20	.3	14	55	37	3.50	.16	2.16	512	ND	.01	43	.17	3	ND	ND	ND	ND	153	ND	ND	66
86LH-106	.1	2.20	ND	ND	432	4	2.66	.1	22	70	34	4.42	.17	2.43	634	ND	.01	81	.14	4	ND	ND	ND	ND	196	ND	ND	54
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

86.

NECHAKO J.V.

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 860739 GA JOB NUMBER: 860739 TOM RICHARDS

SAMPLE #	Au ppb
LH53	30
LH54	140
LH55	120
LH56	80
LH57	40
LH58	160
86 DE89	60
86 DE90	110
86 DE91	35
86 DE92	440
86 DE93	40
86 DE94	60
86 DE95	40
86 DE97	60
86 LH101	35
86 LH102	80
86 LH103	10
86 LH104	20
86 LH105	35
86 LH106	120

DETECTION LIMIT 5
nd = none detected — = not analysed is = insufficient sample

APPENDIX B

1987 ROCK GEOCHEMICAL ANALYSES

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P5 ROCK, P6-P7 SOIL -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 11 1987 DATE REPORT MAILED: July 17/87 ASSAYER..D. Toye..DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT - 7102-7103 File # 87-2359 Page 1

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* PPB
DJ-87-1	1	824	2	18	.1	5	9	789	2.96	2	5	ND	1	108	1	2	2	42	11.72	.039	12	2	1.10	83	.01	2	1.24	.07	.10	1	5
DJ-87-2	2	1771	2	18	.3	26	12	1981	2.75	19	5	ND	1	114	1	9	2	28	9.01	.008	2	60	2.91	54	.01	3	.14	.01	.07	2	735
DJ-87-3	1	113	3	48	.1	35	24	1100	5.04	12	5	ND	1	210	1	2	2	121	11.76	.068	6	89	3.30	42	.01	2	.69	.03	.30	1	4
DJ-87-4	1	255	11	51	.2	46	39	669	6.89	9	5	ND	1	98	1	2	2	183	3.46	.087	5	127	2.62	35	.20	2	1.73	.06	.28	1	9
DJ-87-5	3	83	6	120	.2	25	14	1573	4.05	38	5	ND	1	181	1	15	2	64	12.48	.027	2	28	3.39	236	.01	3	.32	.01	.12	1	105
DJ-87-6	1	112	7	88	.2	55	30	425	6.90	9	5	ND	1	81	1	2	2	137	3.75	.086	2	126	1.50	19	.01	2	.81	.01	.17	1	6
DJ-87-7	1	196	12	81	.4	16	17	1347	3.91	93	5	ND	1	140	1	8	2	40	9.97	.132	10	15	2.07	64	.01	10	.80	.02	.37	1	5
DJ-87-8	10	214	6	27	.1	22	14	2096	5.00	48	5	ND	1	92	1	2	2	30	9.77	.018	3	35	2.78	96	.01	2	.33	.01	.12	2	4
DJ-87-9	3	364	5	28	.1	58	33	1309	4.11	40	5	ND	1	382	1	3	2	74	11.46	.086	6	97	3.78	174	.01	5	.75	.01	.38	1	1
DJ-87-10	1	50	18	89	.1	32	17	601	4.56	92	5	ND	1	34	1	8	2	95	1.76	.148	22	53	1.63	64	.03	2	2.27	.52	.09	1	6
DJ-87-11	115	9	14	2	3.2	5	2	52	2.29	54	7	6	1	26	1	4	2	7	.12	.045	7	8	.03	18	.01	2	.21	.01	.15	1	3880
DJ-87-12	11	50	12	84	.5	27	17	566	4.82	6	5	ND	1	35	1	2	2	31	.87	.165	20	47	1.33	53	.01	2	1.96	.01	.26	1	62
DJ-87-13	11	30	2	47	.4	13	7	263	3.37	10	5	ND	1	42	1	2	2	24	.38	.145	19	27	.77	41	.01	2	1.43	.01	.26	1	20
DJ-87-14	17	32	2	35	.1	16	10	197	.90	12	5	ND	1	40	1	2	4	39	.76	.236	33	35	.07	81	.01	3	.62	.12	.11	1	1
MB-87-30	1	10	13	86	.1	31	24	1158	4.80	2	5	ND	1	255	1	2	2	90	6.18	.186	21	33	1.40	2132	.02	2	1.42	.05	.30	1	2
MB-87-31	1	203	5	69	.1	2	14	1037	4.22	3	5	ND	1	97	1	2	2	58	2.78	.152	15	1	.92	181	.01	9	.77	.07	.30	1	1
MB-87-32	1	45	2	53	.1	1	9	756	3.41	17	5	ND	1	61	1	2	2	77	2.29	.071	9	3	.60	82	.01	4	.41	.06	.14	1	1
MB-87-33	1	49	5	55	.1	1	6	1244	2.62	14	5	ND	1	229	1	6	2	68	12.05	.022	6	1	3.26	22	.01	2	.30	.01	.07	1	1
MB-87-34	1	191	2	78	.1	3	11	1618	3.89	3	5	ND	1	86	1	2	2	80	10.12	.176	15	1	.80	216	.01	8	1.45	.05	.13	1	1
MB-87-35	1	215	3	65	.1	1	9	1232	3.42	10	5	ND	1	66	1	2	2	77	9.19	.181	11	1	.35	51	.01	14	.79	.04	.23	1	1
MB-87-36	1	200	15	77	.1	5	11	1488	3.82	54	5	ND	1	189	1	28	2	84	7.09	.143	8	1	1.76	53	.01	10	.71	.02	.15	1	1
MB-87-37	28	31	65	53	.1	40	10	241	3.18	49	5	ND	1	58	1	2	2	73	.77	.040	3	23	.38	158	.01	2	.49	.02	.07	1	3
MB-87-38	1	29	7	81	.2	39	17	321	5.60	9	5	ND	1	69	1	2	2	81	.14	.019	5	45	.10	165	.02	2	.79	.02	.21	1	1
MB-87-39	4	101	18	100	.3	38	25	796	12.90	24	5	ND	2	33	2	2	2	90	3.36	.118	8	51	.80	14	.01	2	.81	.04	.12	1	28
MB-87-41	4	13	2	4	.4	3	1	38	1.04	18	5	ND	1	59	1	8	2	8	.05	.012	2	8	.02	165	.01	5	.23	.01	.08	2	2
MB-87-42	1	69	4	72	.1	5	11	1476	4.42	8	5	ND	1	110	1	2	2	52	10.84	.070	4	4	1.58	105	.01	5	.58	.03	.22	1	3
MB-87-43	1	131	6	74	.1	88	35	1031	6.74	12	5	ND	1	193	1	2	2	143	8.72	.069	6	315	4.51	281	.01	3	2.13	.02	.17	1	2
MB-87-44	1	120	5	61	.1	90	40	1113	6.01	136	5	ND	1	226	1	2	2	124	8.33	.083	3	210	2.89	46	.01	2	.68	.02	.11	1	1
MB-87-45	1	46	8	73	.1	43	22	870	4.98	2	5	ND	1	71	1	2	2	95	1.63	.098	13	115	1.91	104	.03	2	2.05	.16	.11	1	1
MB-87-46	1	59	6	73	.1	61	24	2204	6.66	2	5	ND	1	64	1	2	2	93	2.58	.059	10	81	1.08	148	.01	2	3.03	.12	.13	1	1
MB-87-47	1	49	3	67	.1	75	25	2482	6.36	2	5	ND	1	83	1	2	2	101	2.35	.081	11	72	1.85	139	.04	4	3.27	.21	.07	1	1
MB-87-48	5	32	5	47	.1	15	4	231	2.31	42	5	ND	1	28	1	4	2	48	1.24	.039	12	25	.41	221	.01	3	1.90	.24	.41	1	2
MB-87-49	1	34	11	57	.1	13	5	220	1.83	4	5	ND	2	65	1	2	2	35	4.30	.030	13	13	.43	325	.01	7	3.07	1.24	.48	1	1
MB-87-50	4	28	6	64	.2	21	5	255	2.39	6	5	ND	1	10	1	3	2	31	.10	.040	9	20	.53	67	.01	2	1.21	.04	.11	1	1
MB-87-51	4	33	7	35	.1	15	3	169	1.46	45	5	ND	1	75	1	3	2	43	4.71	.033	7	24	.35	494	.01	31	2.21	.15	.62	1	2
MB-87-52	3	20	2	25	.2	11	3	182	1.20	50	5	ND	1	19	1	6	2	8	.06	.025	5	8	.11	84	.01	2	.40	.01	.09	1	1
STD C/AU-R	20	60	41	136	7.1	68	32	1039	4.00	38	18	8	37	54	19	17	22	61	.48	.090	39	62	.87	178	.10	36	1.86	.08	.16	14	505

IMPERIAL METALS PROJECT - 7102-7103 FILE # 87-2359

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* PPB
MB-87-53	7	2	13	26	.1	1	1	48	.88	201	5	ND	11	3	1	13	2	1	.02	.007	7	1	.01	27	.01	4	.19	.04	.08	1	18
MB-87-54	139	369	6	18	.1	1	6	314	3.00	6	5	ND	1	24	1	2	2	38	3.40	.056	10	2	.39	33	.01	4	.56	.05	.13	1	10
MB-87-55	28	60	19	19	.2	1	5	167	5.83	2	5	ND	2	20	1	2	2	76	.18	.090	6	3	.37	91	.22	10	.70	.09	.17	1	3
MB-87-57	3	316	5	18	.1	27	10	1427	3.10	13	5	ND	1	91	1	2	2	25	8.83	.015	2	55	2.29	156	.01	3	.18	.01	.08	1	1
MB-87-58	3	809	4	16	.3	18	7	1242	2.63	81	5	ND	1	57	1	4	2	18	6.28	.029	2	3	1.43	17	.01	3	.26	.01	.13	1	15
MB-87-59	2	121	5	2	.1	8	4	154	.68	33	5	ND	1	5	1	4	2	4	.10	.010	2	8	.03	29	.01	2	.06	.01	.04	1	13
MB-87-60	2	1800	2	7	.5	17	8	939	1.12	219	5	ND	1	56	1	18	2	9	1.89	.009	3	13	.68	537	.01	3	.07	.01	.04	1	10
MB-87-61	3	68	7	63	.1	95	35	953	6.36	8	5	ND	1	200	1	2	2	136	7.58	.082	7	293	5.17	224	.01	6	2.65	.01	.16	1	2
MB-87-62	3	104	3	60	.1	131	35	840	5.61	9	5	ND	1	407	1	2	2	115	8.19	.065	5	368	4.56	227	.01	4	2.31	.01	.12	1	1
MB-87-63	5	116	5	44	.1	54	22	1248	5.02	5	5	ND	1	222	1	2	2	77	10.94	.064	4	136	4.38	157	.01	2	1.31	.01	.13	1	1
MB-87-64	2	261	7	40	.1	9	14	795	4.54	5	5	ND	2	45	1	2	2	154	3.05	.097	10	28	1.81	79	.17	3	1.69	.08	.17	1	5
MB-87-65	5	85	9	33	.1	7	9	845	3.57	14	5	ND	1	35	1	2	2	46	2.80	.065	8	7	.75	25	.01	9	.60	.06	.16	1	2
MB-87-66	4	74	8	78	.3	52	35	958	7.40	12	5	ND	1	147	1	2	2	102	6.88	.069	5	96	2.92	41	.01	6	.69	.03	.25	1	27
MB-87-67	3	104	11	52	.1	47	31	680	6.39	9	5	ND	1	52	1	2	2	162	2.79	.079	5	108	2.56	53	.24	10	1.80	.05	.07	1	20
MB-87-68	2	70	18	89	.1	51	24	582	5.72	5	5	ND	1	33	1	2	2	141	1.74	.093	3	100	2.88	69	.27	11	2.72	.08	.47	1	10
MB-87-69	3	26	7	34	.1	12	9	688	3.80	6	5	ND	1	84	1	2	2	31	6.30	.051	4	16	1.36	41	.01	9	.43	.04	.17	1	9
MB-87-70	3	15	6	46	.1	25	20	856	3.89	9	5	ND	1	119	1	2	2	68	11.29	.021	2	39	4.28	18	.01	4	.20	.01	.04	1	1
MB-87-71	3	28	7	55	.1	26	11	1113	4.07	11	5	ND	1	143	1	5	2	88	17.62	.011	2	33	7.40	5	.01	2	.10	.01	.01	1	1
MB-87-72	4	154	17	116	.2	66	31	994	7.42	16	5	ND	1	161	1	2	2	152	7.18	.095	7	140	3.06	124	.01	12	1.18	.02	.18	1	1
MB-87-73	2	156	20	85	.1	15	25	1151	7.39	14	5	ND	1	210	1	2	2	239	2.31	.047	9	6	2.81	123	.47	8	4.25	.28	.08	1	2
MB-87-74	3	21	11	56	.1	1	10	939	2.57	23	5	ND	1	48	2	2	2	51	15.92	.072	6	2	.66	16	.22	3	2.05	.03	.02	1	1
MB-87-75	11	324	10	72	.1	129	55	1506	9.21	37	5	ND	1	26	1	4	3	145	.72	.139	14	194	.77	64	.01	11	1.46	.01	.26	1	8
MB-87-76	14	35	15	37	.2	30	33	729	17.20	22	5	ND	1	49	1	2	6	138	2.27	.082	3	182	1.03	15	.01	9	1.09	.03	.12	1	14
MB-87-77	3	187	11	86	.1	12	25	947	7.69	11	5	ND	2	71	1	2	2	222	2.91	.136	12	10	2.21	46	.02	6	2.13	.07	.17	1	1
MB-87-78	3	213	5	79	.1	101	29	1127	7.54	16	5	ND	1	140	1	2	2	187	8.26	.092	6	354	4.67	16	.01	8	3.50	.03	.08	1	2
MB-87-79	3	336	13	63	.1	83	26	995	5.53	85	5	ND	1	157	1	2	2	141	9.87	.104	6	209	3.83	32	.01	6	.65	.03	.03	1	1
MB-87-80	3	65	6	71	.1	48	17	759	4.31	27	5	ND	1	348	1	3	2	72	15.76	.059	4	65	5.86	12	.01	8	.48	.02	.05	1	2
MB-87-81	2	126	7	63	.1	36	27	970	6.50	12	5	ND	1	185	1	2	2	182	8.76	.084	7	110	2.62	39	.01	9	1.89	.03	.09	1	1
MB-87-82	6	194	4	87	.1	34	36	1389	8.97	40	5	ND	1	26	1	6	2	174	.53	.103	9	43	.25	139	.02	16	1.06	.01	.26	1	3
MB-87-83	2	353	4	54	.1	24	21	938	4.74	51	5	ND	1	124	1	2	2	135	5.76	.034	3	28	2.21	39	.01	8	.56	.03	.06	1	1
MB-87-84	3	159	5	76	.1	29	29	1018	6.95	17	5	ND	1	126	1	2	3	171	5.30	.082	7	37	2.56	97	.01	4	2.33	.03	.28	1	1
MB-87-85	4	1055	16	36	1.3	23	12	2554	6.01	11	8	ND	1	184	1	2	2	30	17.78	.009	5	29	4.40	32	.01	11	.41	.01	.06	1	1
MB-87-86	4	245	8	25	.1	23	14	1578	4.48	7	5	ND	1	137	1	2	2	23	13.24	.021	3	21	3.44	883	.01	6	.21	.01	.09	1	1
MB-87-87	1	25	2	37	.1	15	8	398	2.48	16	5	ND	1	121	1	2	2	39	12.05	.035	7	27	1.00	173	.01	190	2.90	1.07	.27	2	1
MB-87-88	3	32	7	55	.1	21	5	276	2.27	10	5	ND	1	10	1	3	2	28	.22	.024	7	16	.60	96	.01	3	1.19	.03	.11	1	1
MB-87-89	2	29	5	63	.1	51	27	689	4.70	14	5	ND	1	65	1	2	2	103	1.17	.060	14	60	1.96	224	.36	5	2.82	.25	.09	1	1
STD C/AU-R	20	59	39	130	7.2	63	28	941	3.98	39	18	8	34	49	17	15	23	55	.49	.091	39	54	.88	177	.08	34	1.89	.07	.14	12	490

IMPERIAL METALS PROJECT - 7102/7103 FILE # 87-2359

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* PPB
MB-87-90	1	20	10	35	.1	12	9	155	3.71	432	5	ND	3	74	1	36	2	57	4.76	.092	20	25	.76	813	.01	9	4.59	.98	1.50	1	2
MB-87-91	1	22	16	37	.2	13	8	212	2.52	21	5	ND	1	95	1	2	2	53	10.65	.073	15	22	.94	271	.02	11	4.98	1.66	1.23	1	1
MB-87-92	1	4	10	78	.2	19	13	611	3.30	7	5	ND	2	158	1	2	2	38	3.69	.096	20	20	1.37	106	.01	5	1.92	.03	.25	1	1
MB-87-93	4	32	10	38	.2	21	3	109	1.52	68	5	ND	1	11	1	2	2	16	.14	.017	8	12	.19	115	.01	7	.72	.03	.18	2	1
MB-87-94	14	24	9	35	.4	12	2	84	1.53	65	5	ND	1	10	1	5	2	13	.07	.026	6	12	.20	106	.01	5	.69	.01	.20	2	6
MB-87-95	12	31	15	41	.4	13	2	165	2.57	268	5	ND	2	15	1	16	2	28	1.51	.022	5	11	.38	202	.01	16	1.78	.02	.54	1	10
MB-87-96	4	24	9	17	.3	6	1	68	1.23	1234	5	ND	1	13	1	29	2	23	2.01	.010	5	15	.11	220	.01	23	1.38	.01	.54	1	58
MB-87-97	3	25	16	36	.4	6	4	161	1.98	96	7	ND	3	32	1	5	2	29	3.62	.043	8	12	.45	320	.01	10	2.64	.23	.91	1	14
MB-87-98	1	39	15	86	.1	8	21	867	6.17	38	5	ND	2	71	1	4	2	102	.65	.052	6	7	.12	35	.01	11	.91	.01	.07	1	1
MB-87-99	575	5	34	5	2.5	3	3	64	2.42	13	5	ND	1	29	1	4	2	16	.11	.053	7	4	.04	131	.01	2	.36	.01	.17	1	148
MB-87-100	59	19	22	29	1.4	11	7	100	2.17	5	5	ND	1	27	1	2	2	20	.24	.086	13	23	.25	165	.01	4	.88	.01	.28	2	380
MB-87-101	66	19	15	39	.9	7	6	146	3.98	4	5	ND	1	40	1	3	2	29	.19	.117	11	32	.65	468	.01	3	1.47	.01	.26	1	28
MB-87-102	2	9	7	20	.2	8	4	280	1.09	2	5	ND	1	16	1	2	2	11	.49	.034	5	16	.39	63	.01	2	.54	.02	.08	1	1
MB-87-103	6	51	2	52	.2	17	13	306	4.44	2	5	ND	1	25	1	2	2	53	.41	.122	6	38	.62	306	.20	5	1.40	.05	.26	1	1
MB-87-104	4	32	4	9	1.8	8	4	155	1.48	2	5	4	1	8	1	2	2	9	.15	.044	8	9	.11	36	.01	3	.44	.01	.13	1	2750
MB-87-105	6	97	8	7	1.4	9	6	45	1.97	20	5	ND	1	6	1	2	2	13	.21	.085	12	6	.08	30	.01	2	.50	.01	.22	1	800
MB-87-106	1	40	13	63	.1	32	13	342	4.34	2	5	ND	5	46	1	2	2	60	.57	.112	57	67	.44	119	.07	4	1.92	.09	.20	1	1
MB-87-107	1	9	11	135	.1	19	10	935	4.72	6	5	ND	6	53	1	2	2	119	1.19	.097	59	6	.92	716	.13	5	2.47	.10	.35	1	1
MB-87-108	1	30	10	62	.1	23	11	362	2.94	9	5	ND	4	36	1	2	2	56	.89	.183	46	68	.33	164	.03	2	1.60	.06	.18	1	1
MB-87-109	7	33	2	55	.1	34	15	223	1.89	18	5	ND	4	131	1	2	2	85	1.41	.373	38	73	.41	145	.09	2	1.06	.18	.17	1	1
MB-87-110	3	23	5	44	.1	11	7	263	2.06	8	5	ND	6	43	1	2	2	50	.87	.273	38	33	.15	77	.04	3	.93	.08	.10	1	1
MB-87-111	5	33	5	56	.1	12	7	231	1.45	16	5	ND	4	91	1	2	2	80	1.56	.507	37	51	.12	67	.07	2	.95	.10	.10	1	1
MB-87-112	1	15	14	47	.1	28	12	243	3.02	9	5	ND	8	51	1	2	2	45	.45	.077	48	37	.44	109	.03	4	1.65	.07	.16	1	2
MB-87-113	1	1	27	13	.1	1	1	289	.41	2	5	ND	18	31	1	2	2	3	.29	.006	35	2	.04	25	.01	2	3.29	2.56	.19	1	1
MB-87-114	7	27	8	131	.1	38	18	1327	4.89	19	5	ND	3	46	1	2	2	112	.83	.196	41	76	.97	113	.08	8	1.82	.13	.18	1	1
MB-87-116	7	7	7	17	.4	9	5	127	1.15	6	6	ND	1	8	1	2	2	11	.10	.026	5	8	.29	36	.01	2	.59	.01	.12	1	99
MB-87-117	2	12	12	41	.2	13	8	622	1.95	3	5	ND	1	50	1	2	3	19	3.52	.073	12	19	1.06	66	.01	2	1.40	.01	.16	1	1
TR-87-8	1	156	2	85	.2	4	15	1036	4.79	7	5	ND	3	124	1	2	2	157	3.16	.134	12	5	1.91	56	.33	16	2.65	.07	.07	1	10
TR-87-9	1	234	11	87	.3	9	22	995	6.30	8	5	ND	3	44	1	2	2	157	1.87	.134	15	4	2.05	65	.02	11	2.43	.07	.13	1	2
TR-87-10	1	77	9	54	.3	1	9	671	3.36	58	5	ND	2	23	1	7	2	76	1.04	.077	12	3	.11	52	.01	10	.53	.08	.13	1	1
TR-87-11	1	75	7	47	.2	1	8	752	3.11	18	5	ND	3	18	1	2	2	86	1.65	.077	12	4	.16	89	.01	9	.60	.09	.10	3	1
TR-87-12	1	88	7	25	.1	1	4	1377	1.97	4	5	ND	1	165	1	2	4	42	23.68	.077	19	1	.87	31	.01	3	.45	.03	.06	1	1
TR-87-13	1	344	26	114	.9	33	29	809	13.39	20	5	ND	3	31	1	2	2	106	2.44	.138	11	42	1.51	15	.01	14	1.36	.06	.12	1	36
TR-87-14	1	58	14	57	.3	58	25	978	4.93	21	5	ND	1	180	1	2	2	99	10.70	.038	2	111	3.94	30	.01	8	.46	.01	.03	1	8
TR-87-15	1	20	11	49	.2	3	12	795	6.34	6	5	ND	1	20	1	4	2	132	.29	.102	12	10	1.54	74	.04	11	1.71	.06	.21	1	10
TR-87-16	1	15	9	49	.3	2	11	890	4.55	8	5	ND	1	46	1	2	2	111	6.89	.094	9	8	1.30	18	.10	7	1.25	.07	.12	1	22
STD C/AU-R	19	57	40	126	6.9	66	30	957	3.96	38	18	8	34	50	17	15	19	56	.47	.089	39	56	.87	181	.09	36	1.85	.07	.14	12	480

BRUCE

IMPERIAL METALS PROJECT - 7102-7103 FILE # 87-2359

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* PPB
TR-87-17	4	60	15	40	.1	4	15	677	5.68	7	5	ND	1	29	1	2	2	150	5.95	.088	6	6	1.40	26	.27	10	1.66	.06	.12	2	6
TR-87-18	4	11	14	43	.1	3	15	765	7.26	7	5	ND	1	42	1	2	2	141	6.38	.079	7	6	1.32	15	.08	6	1.15	.07	.08	1	10
TR-87-19	2	145	11	41	.1	2	9	1222	3.75	7	5	ND	1	83	1	2	2	92	16.16	.064	11	2	1.52	10	.07	6	1.58	.04	.07	1	11
TR-87-20	1	55	7	41	.1	3	8	751	4.45	7	5	ND	1	44	1	2	2	156	5.46	.100	9	5	1.55	25	.08	7	1.72	.08	.13	2	4
TR-87-21	2	144	5	49	.1	46	18	1100	3.78	2	7	ND	1	285	1	2	2	94	9.50	.098	12	73	3.48	690	.01	8	.93	.03	.21	1	4
TR-87-22	4	4	16	29	.1	1	1	236	.97	14	5	ND	18	6	1	2	2	2	.16	.009	31	2	.05	68	.01	3	.34	.07	.14	1	4
TR-87-23	1	7	15	129	.1	6	4	1169	3.09	12	5	ND	2	56	1	2	2	38	1.46	.067	15	20	.83	90	.01	4	1.58	.07	.19	1	3
TR-87-24	7	2	19	20	.1	2	1	73	.99	17	5	ND	14	4	1	2	3	1	.06	.004	5	3	.05	46	.01	3	.34	.06	.13	1	1
TR-87-25	5	91	5	8	.1	23	5	233	6.35	10	5	ND	1	7	1	6	2	90	.12	.030	2	4	.12	32	.01	9	.16	.01	.01	2	6
TR-87-26	1	55	19	57	.1	27	14	1191	4.03	5	5	ND	1	83	1	2	2	100	8.32	.086	11	55	1.85	369	.38	5	1.92	.11	.07	1	1
TR-87-27	7	20	5	32	.3	8	1	106	1.72	157	5	ND	1	26	1	15	2	9	.07	.036	8	7	.13	87	.01	4	.47	.01	.08	1	10
TR-87-28	9	38	6	77	.1	25	4	203	3.27	176	7	ND	2	21	1	14	2	26	.18	.039	13	29	.63	129	.01	5	1.54	.01	.17	1	9
TR-87-29	1	124	10	56	.1	11	15	975	5.51	5	5	ND	2	53	1	2	2	220	4.81	.071	8	64	2.74	94	.21	7	2.23	.06	.15	1	2
TR-87-30	2	62	4	36	.1	13	13	1070	4.36	5	5	ND	1	122	1	2	2	88	13.07	.049	9	26	1.87	245	.01	3	2.34	.01	.19	1	1
TR-87-31	2	9	3	4	.1	1	6	1141	1.45	2	5	ND	1	179	1	2	2	12	16.71	.037	10	4	.23	77	.01	6	.42	.01	.22	1	3
TR-87-32	4	26	9	11	.1	1	5	210	3.18	2	5	ND	3	9	1	2	2	43	.18	.054	13	2	.46	82	.02	7	.78	.06	.20	1	5
TR-87-33	2	152	17	60	.2	71	25	928	6.55	3	5	ND	2	26	1	4	2	216	1.51	.116	9	293	4.66	111	.34	6	2.75	.07	.10	2	2
TR-87-34	3	205	16	38	.1	3	12	603	5.47	2	5	ND	2	13	1	5	2	199	.53	.122	11	13	1.98	87	.36	6	1.99	.07	.17	1	6
TR-87-35	1	835	2	3	.3	7	4	289	.91	19	5	ND	1	9	1	6	2	7	.52	.014	2	5	.20	38	.01	4	.17	.01	.10	1	60
TR-87-36	2	75	9	28	.1	104	28	950	5.07	8	7	ND	1	404	1	2	2	81	12.40	.016	2	153	5.29	611	.01	5	.41	.02	.11	1	5
TR-87-37	1	37	8	56	.1	44	24	916	5.92	5	5	ND	1	170	1	2	2	152	11.22	.072	5	166	2.84	87	.08	5	1.71	.05	.66	1	5
TR-87-38	1	92	9	46	.5	34	15	1554	4.50	70	5	ND	1	126	1	2	2	69	11.82	.034	3	56	3.83	102	.01	6	.34	.01	.17	1	76
TR-87-39	2	54	2	45	.1	33	18	1229	5.07	13	5	ND	1	113	1	2	2	88	9.78	.050	4	57	3.77	22	.01	2	.41	.01	.10	1	11
TR-87-40	1	112	24	132	.2	54	23	647	5.93	5	5	ND	2	33	1	2	2	153	1.46	.093	4	97	3.06	58	.24	4	2.34	.07	.08	1	5
TR-87-41	18	66	27	36	.3	31	38	573	27.61	18	5	ND	2	17	1	9	3	124	.24	.066	2	139	.21	33	.01	6	.55	.01	.13	1	27
TR-87-42	1	114	6	38	.1	59	15	1367	4.38	67	5	ND	1	219	1	2	2	109	13.04	.103	14	148	2.51	18	.01	2	2.19	.03	.03	1	3
TR-87-43	1	389	14	55	.1	9	14	863	4.85	5	5	ND	1	85	1	2	2	169	7.67	.171	13	15	.86	11	.35	10	1.98	.05	.04	1	8
TR-87-44	1	67	7	63	.1	102	28	730	5.86	3	5	ND	2	70	1	2	2	142	3.37	.097	6	313	4.88	331	.16	4	2.72	.08	1.14	1	9
TR-87-45	4	38	2	26	.1	42	18	2061	4.35	24	5	ND	1	286	1	2	2	37	15.00	.029	7	73	3.72	222	.01	2	.58	.01	.13	1	1
TR-87-46	4	38	6	27	.1	22	14	2312	6.52	11	6	ND	1	162	1	2	2	29	16.38	.008	5	35	4.18	148	.01	2	.18	.01	.06	1	17
STD C/AU-R	19	58	37	126	7.1	64	29	949	4.06	38	18	8	35	50	17	18	20	57	.48	.088	40	58	.90	176	.09	37	1.86	.07	.15	14	470
TR-87-47	2	180	6	93	.1	121	40	641	7.64	5	5	ND	2	53	1	4	2	193	.79	.107	6	384	7.33	250	.05	7	4.13	.03	.30	2	14
TR-87-48	3	14	10	32	.1	6	4	148	1.85	317	5	ND	3	21	1	3	2	30	2.56	.057	10	16	.52	269	.01	14	2.71	.02	1.04	1	41
TR-87-49	3	18	4	49	.1	12	6	167	2.52	83	5	ND	2	15	1	4	3	20	.24	.084	12	15	.85	78	.01	2	1.38	.01	.22	1	6
TR-87-50	2	12	9	49	.3	16	7	422	3.11	2412	5	ND	1	25	1	15	4	13	.42	.046	8	8	.87	219	.01	2	1.35	.01	.23	2	220
TR-87-51	2	15	7	58	.1	5	2	194	2.92	163	5	ND	3	16	1	13	4	16	.25	.101	14	8	.88	74	.01	3	1.53	.01	.25	1	14
TR-87-52	3	18	8	51	.1	11	6	224	2.57	32	5	ND	2	14	1	2	3	28	.95	.082	10	15	.96	95	.01	5	2.11	.02	.41	1	1

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* PPB
TR-87-53	5	20	9	97	.2	22	13	585	3.35	29	5	ND	1	25	1	4	2	29	.29	.094	17	19	1.24	115	.01	7	2.00	.01	.28	2	1
TR-87-54	1	29	6	65	.1	20	13	451	3.10	22	5	ND	3	44	1	2	3	58	3.06	.103	20	28	1.36	223	.01	11	3.66	.32	.94	1	1
TR-87-55	6	16	6	37	.2	14	8	246	2.52	123	5	ND	1	18	1	5	2	20	.46	.091	12	12	.69	94	.01	4	1.70	.01	.41	2	27
TR-87-56	11	38	11	62	.2	25	18	1084	4.72	7	5	ND	1	58	1	3	2	62	.85	.155	15	46	.94	99	.30	4	1.66	.10	.21	1	1
TR-87-57	19	8	5	4	1.8	4	2	79	1.55	11	5	3	1	13	1	3	2	3	.05	.028	4	5	.03	25	.01	2	.16	.01	.08	1	1975
TR-87-58	28	32	8	94	.1	50	22	604	3.47	28	5	ND	1	110	1	2	2	121	1.16	.317	41	82	.26	137	.10	3	1.37	.20	.14	2	4
TR-87-59	1	36	5	78	.1	56	15	313	3.40	2	5	ND	1	161	1	2	2	86	1.08	.249	44	112	1.15	90	.11	2	1.21	.18	.11	1	1
TR-87-60	1	37	3	76	.1	48	20	808	4.81	3	5	ND	4	149	1	2	2	99	1.16	.316	45	103	.66	192	.11	2	1.03	.16	.18	1	1
TR-87-61	1	25	4	60	.1	42	10	201	1.74	6	5	ND	2	128	1	2	2	69	1.42	.451	43	102	.43	86	.09	2	.87	.12	.12	1	1
TR-87-62	1	42	4	113	.1	72	24	1042	6.40	3	5	ND	2	189	1	2	2	117	1.59	.469	49	119	.77	94	.13	2	1.17	.13	.17	1	1
TR-87-63	1	26	6	103	.1	64	20	1495	6.56	5	5	ND	3	333	1	2	2	113	2.79	.771	45	102	.72	371	.11	2	.99	.14	.13	1	1
TR-87-64	3	20	10	56	.1	29	10	2272	2.21	10	5	ND	1	1092	1	2	3	61	22.74	6.541	28	49	.35	1054	.05	2	2.39	1.07	.52	2	1
TR-87-65	5	44	12	129	.1	80	24	1156	5.48	7	5	ND	2	206	1	2	2	131	2.72	.797	46	121	.99	229	.09	4	1.97	.11	.13	2	2
TR-87-66	39	48	9	117	.1	63	22	2025	5.44	15	5	ND	1	584	1	2	2	151	6.43	1.894	51	99	.83	807	.07	2	1.88	.13	.27	2	1
TR-87-67	25	10	23	210	.2	106	51	11992	37.96	86	5	ND	3	55	3	2	2	124	2.00	.020	4	9	.58	27	.01	2	.39	.01	.02	1	2
TR-87-68	29	27	15	123	.2	50	25	1142	9.08	33	5	ND	1	82	1	2	3	122	.50	.176	24	85	.87	64	.04	3	2.30	.13	.11	1	1
STD C/AU-R	20	61	41	134	7.2	73	31	1083	3.96	39	17	9	41	60	17	15	22	64	.49	.089	41	62	.87	196	.10	36	1.87	.08	.16	13	47

BRUCE

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

Boss — Peter D.

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock Chips AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 24 1987 DATE REPORT MAILED: Oct 5/87 ASSAYER. D. Toye .DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-7102 File # 87-4431

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* PPB
PD-7102-1	1	66	15	33	.2	19	12	218	14.72	11	5	ND	2	54	2	2	2	197	.48	.111	4	277	.68	38	.01	6	.73	.04	.16	1	55
PD-7102-2	3	19	22	22	.2	20	10	1372	5.22	6	5	ND	1	51	1	2	2	12	9.16	.010	2	19	2.79	547	.01	3	.05	.01	.04	2	240
PD-7102-3	3	16	26	45	.2	4	6	2076	6.04	5	5	ND	1	108	1	2	2	54	15.94	.035	4	10	.69	41	.02	3	.47	.01	.03	1	13
PD-7102-4	2	74	102	129	.4	50	13	641	3.71	23	5	ND	1	310	1	2	2	101	12.39	.021	2	32	6.26	20	.01	2	.19	.01	.04	1	920
PD-7102-5	4	90	17	53	.1	105	33	1210	7.26	33	5	ND	1	132	1	2	2	64	9.01	.063	4	79	2.56	36	.01	5	.33	.01	.15	1	11
PD-7102-6	1	32	29	73	.1	18	10	651	3.39	8	5	ND	3	108	1	2	2	37	2.19	.111	18	25	1.45	82	.01	4	1.73	.02	.19	1	10
PD-7102-7	1	21	61	53	.5	6	2	99	1.90	1177	5	ND	1	23	1	8	2	21	1.78	.039	6	14	.42	219	.01	9	1.76	.01	.53	1	117
PD-7102-8	3	28	37	42	.2	7	2	165	2.36	97	5	ND	2	12	2	3	2	11	.33	.025	4	9	.62	98	.01	2	1.02	.01	.19	1	43
STD C/AU-R	19	62	41	131	7.1	68	28	1047	3.98	38	19	8	38	50	19	17	19	59	.47	.090	38	60	.90	180	.08	36	1.88	.05	.13	13	490

APPENDIX C

1987 SOIL GEOCHEMICAL ANALYSES

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS - 80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 8 1987 DATE REPORT MAILED: Aug 17/87 ASSAYER. ..... DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-7102 File # 87-3119 Page 1

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* PPB
BSA-L8W 1+75N	1	19	9	78	.1	12	7	898	2.31	2	5	ND	2	40	1	2	2	54	.29	.043	7	17	.23	185	.10	3	1.12	.02	.09	1	5
BSA-L8W 1+50N	1	21	11	97	.1	13	9	1638	2.59	3	5	ND	1	46	1	2	2	59	.38	.054	7	20	.27	221	.08	10	1.19	.02	.09	1	1
BSA-L8W 1+25N	1	29	13	74	.2	16	9	776	2.75	8	5	ND	2	43	1	3	2	64	.43	.037	9	23	.33	143	.10	3	1.26	.02	.17	1	1
BSA-L8W 0+50N	1	36	6	113	.1	18	8	624	2.81	4	5	ND	1	52	1	2	2	57	.52	.041	13	21	.40	183	.08	2	1.80	.02	.07	1	1
BSA-L8W 0+25N	1	44	9	83	.1	23	9	469	3.36	7	5	ND	2	60	1	2	2	70	.66	.033	11	25	.49	158	.09	4	2.04	.02	.08	1	1
BSA-L8W 0+00N	1	147	8	135	.1	24	14	996	4.45	9	5	ND	1	48	1	2	2	100	.65	.199	7	70	.66	148	.06	3	2.57	.01	.08	1	1
BSA-L8W 0+25S	1	30	4	135	.1	16	7	278	3.26	6	5	ND	1	40	1	2	2	68	.44	.218	7	23	.37	144	.07	3	2.47	.01	.07	1	4
BSA-L8W 0+50S	1	18	11	80	.1	14	6	248	2.80	3	5	ND	1	28	1	2	2	70	.31	.063	6	21	.28	105	.09	2	1.24	.01	.07	1	1
BSA-L8W 0+75S	1	22	7	78	.2	17	8	640	2.90	7	5	ND	1	49	1	2	2	69	.46	.071	6	23	.36	182	.10	3	1.45	.02	.07	1	1
BSA-L8W 1+00S	1	39	9	134	.1	22	9	995	3.06	5	5	ND	2	41	1	2	2	75	.32	.095	9	25	.39	146	.10	2	2.48	.01	.07	1	1
BSA-L8W 1+25S	1	24	5	86	.1	19	9	966	2.75	2	5	ND	1	48	1	2	2	65	.43	.073	9	25	.31	209	.11	2	1.71	.01	.09	1	2
BSA-L8W 1+50S	1	38	9	108	.1	20	9	410	3.12	4	5	ND	3	42	1	2	2	72	.37	.142	8	24	.42	159	.11	4	2.01	.01	.09	1	1
BSA-L8W 1+75S	1	19	11	94	.1	13	7	380	2.40	2	5	ND	1	48	1	2	2	57	.36	.092	7	17	.29	207	.09	2	1.56	.01	.08	1	2
BSA-L8W 2+00S	1	27	6	79	.1	17	10	1628	2.49	2	5	ND	1	62	1	2	2	56	.46	.046	9	18	.38	187	.08	11	1.64	.02	.12	1	1
BSA-L8W 2+25S	1	58	8	101	.3	20	8	811	2.92	4	5	ND	3	62	1	2	2	60	.50	.054	24	23	.44	203	.09	3	2.01	.02	.09	1	1
BSA-L8W 2+50S	1	24	12	88	.2	16	9	909	2.78	4	5	ND	1	62	1	2	2	65	.50	.045	8	20	.38	168	.09	12	1.55	.02	.10	1	1
BSA-L8W 2+75S	1	15	7	100	.1	16	7	540	2.56	3	5	ND	1	59	1	2	2	56	.50	.153	7	20	.33	199	.11	6	1.39	.02	.11	1	1
BSA-L8W 3+00S	1	14	9	68	.1	12	6	449	2.20	2	5	ND	1	55	1	2	2	52	.44	.055	6	17	.29	143	.11	15	1.09	.02	.13	1	2
BSA-L7W 2+00N	1	19	7	82	.1	14	7	341	2.55	5	5	ND	1	44	1	2	2	57	.40	.074	7	20	.30	133	.09	2	1.31	.01	.11	1	1
BSA-L7W 1+75N	1	17	7	86	.1	13	6	341	2.42	3	5	ND	1	46	1	2	2	56	.43	.099	7	19	.28	186	.10	29	1.16	.02	.11	1	1
BSA-L7W 1+50N	1	20	7	88	.2	17	6	846	2.30	3	5	ND	1	49	1	2	2	49	.57	.100	7	20	.26	216	.09	3	1.12	.01	.14	1	1
BSA-L7W 1+25N	1	31	16	74	.1	19	10	590	2.86	8	5	ND	2	43	1	2	2	66	.57	.081	10	29	.46	140	.10	3	1.22	.02	.14	1	4
BSA-L7W 1+00N	1	27	13	71	.1	15	8	1162	2.51	7	5	ND	1	42	1	2	2	58	.57	.037	7	24	.32	152	.08	2	1.20	.01	.15	1	1
BSA-L7W 0+75N	1	26	12	64	.1	15	8	670	2.51	7	5	ND	1	52	1	2	2	63	.61	.033	6	27	.39	125	.09	2	.97	.02	.09	1	2
BSA-L7W 0+50N	1	46	9	92	.3	18	8	474	2.51	4	5	ND	2	104	1	2	2	56	1.24	.043	8	27	.43	147	.06	9	1.33	.02	.07	1	1
BSA-L7W 0+00	1	53	15	191	.3	16	10	1756	3.04	3	5	ND	2	74	1	2	2	61	.65	.137	13	23	.35	386	.07	6	2.09	.02	.11	1	2
BSA-L7W 0+25S	1	41	11	125	.1	18	7	231	3.14	7	5	ND	2	37	1	2	2	70	.30	.101	8	24	.44	162	.09	4	2.35	.01	.06	1	3
BSA-L7W 0+50S	1	31	11	91	.2	19	7	311	2.83	6	5	ND	2	46	1	2	2	63	.45	.090	7	22	.43	135	.08	5	1.50	.01	.19	1	2
BSA-L7W 0+75S	1	17	10	98	.1	15	8	665	2.61	3	5	ND	1	41	1	2	2	58	.33	.107	7	19	.29	172	.09	2	1.28	.01	.09	1	1
BSA-L7W 1+00S	1	79	10	135	.3	20	9	829	2.91	3	5	ND	3	57	1	2	2	62	.47	.077	18	23	.38	212	.09	9	1.91	.02	.13	1	2
BSA-L7W 1+25S	1	26	9	97	.1	16	9	523	2.82	5	5	ND	2	48	1	2	2	67	.33	.058	8	22	.42	194	.11	8	1.58	.02	.06	1	1
BSA-L7W 1+50S	1	27	9	70	.1	16	8	340	2.93	8	5	ND	2	45	1	2	2	71	.41	.066	8	25	.46	130	.11	2	1.53	.02	.07	1	2
BSA-L7W 1+75S	1	19	10	70	.1	13	7	597	2.16	2	5	ND	1	56	1	2	2	53	.37	.042	8	17	.29	162	.08	3	1.24	.01	.07	1	2
BSA-L7W 2+00S	1	68	11	114	.3	28	14	1583	4.12	8	5	ND	4	83	1	3	2	82	.60	.069	23	30	.73	273	.07	2	3.38	.02	.10	1	1
BSA-L7W 2+25S	1	30	14	76	.1	18	9	696	3.23	5	5	ND	2	55	1	2	2	76	.47	.051	7	22	.48	148	.10	6	1.73	.02	.10	1	2
BSA-L7W 2+50S	1	32	8	88	.1	18	9	800	3.02	3	5	ND	2	61	1	2	2	69	.46	.085	11	23	.45	191	.10	2	1.75	.02	.10	1	1
STD C/AU-S	18	62	40	132	7.2	71	29	955	3.93	39	19	7	40	52	19	17	20	61	.48	.093	39	62	.88	178	.09	36	1.79	.06	.14	13	48

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* PPB
BSA-L7W 2+75S	1	20	18	97	.1	15	8	550	2.76	3	5	ND	2	52	1	2	2	64	.43	.096	8	22	.36	202	.11	2	1.88	.02	.06	2	1
BSA-L7W 3+00S	1	35	18	153	.1	19	12	1285	3.12	2	5	ND	2	43	1	2	3	73	.44	.126	10	23	.41	240	.13	9	2.60	.02	.09	1	1
BSA-L6W 2+00N	1	76	19	120	.3	25	21	1798	5.80	27	5	ND	2	45	1	2	2	92	.87	.070	7	25	.22	214	.03	9	1.45	.01	.15	1	4
BSA-L6W 1+75N	1	44	17	141	.2	19	10	1553	3.21	4	5	ND	1	49	1	2	2	70	.64	.080	10	25	.36	251	.10	28	1.71	.02	.14	1	1
BSA-L6W 1+50N	1	23	21	144	.1	19	9	801	2.90	2	5	ND	2	78	1	2	2	58	.64	.259	9	25	.33	315	.11	5	1.57	.02	.16	1	1
BSA-L6W 1+25N	1	21	13	112	.3	15	7	792	2.63	4	5	ND	1	60	1	2	2	58	.60	.144	8	22	.30	244	.11	6	1.26	.02	.13	1	1
BSA-L6W 1+00N	1	21	11	66	.2	16	8	456	2.81	6	5	ND	2	42	1	2	2	71	.40	.032	7	24	.33	128	.14	2	1.12	.02	.09	1	1
BSA-L6W 0+75N	1	22	16	68	.1	17	8	1389	2.74	6	5	ND	1	47	1	2	2	67	.53	.058	7	31	.38	197	.12	21	1.26	.02	.11	1	2
BSA-L6W 0+50N	1	38	13	75	.1	27	10	512	3.26	9	5	ND	1	42	1	2	2	81	.68	.064	9	54	.64	114	.13	13	1.30	.02	.12	1	1
BSA-L6W 0+25N	1	42	12	77	.3	15	10	1226	3.10	3	5	ND	2	61	1	2	2	70	.88	.034	8	25	.41	189	.09	14	1.56	.02	.12	1	1
BSA-L6W 0+00	1	43	13	87	.2	14	10	1133	3.05	6	5	ND	1	61	1	2	2	67	.88	.034	9	24	.41	188	.08	6	1.71	.02	.10	1	2
BSA-L6W 1+00S	1	52	15	158	.4	23	11	731	3.58	5	5	ND	2	59	1	2	2	75	.48	.041	16	29	.53	229	.10	22	1.98	.02	.11	2	1
BSA-L6W 1+25S	1	61	14	86	.2	23	9	620	3.18	4	5	ND	2	74	1	2	2	69	.60	.043	22	26	.56	185	.10	5	1.77	.02	.08	1	1
BSA-L6W 1+50S	1	82	16	125	.4	27	10	846	3.50	5	5	ND	2	88	1	2	2	67	.80	.062	29	27	.58	237	.07	6	2.40	.02	.09	1	5
BSA-L6W 1+75S	1	37	14	90	.1	17	8	797	2.88	4	5	ND	1	56	1	2	2	67	.48	.048	13	22	.38	210	.09	2	1.57	.02	.08	1	1
BSA-L6W 2+00S	1	60	14	145	.3	24	9	1262	3.35	4	5	ND	2	71	1	2	2	65	.68	.064	22	25	.53	269	.09	2	2.23	.02	.10	1	2
BSA-L6W 2+25S	1	27	9	99	.1	19	10	582	3.20	5	5	ND	2	50	1	2	2	70	.46	.086	8	25	.50	161	.10	5	1.69	.02	.12	2	1
BSA-L6W 2+50S	1	22	14	107	.1	18	8	578	2.88	2	5	ND	1	45	1	2	3	62	.42	.101	7	23	.38	176	.10	4	1.65	.02	.12	1	2
BSA-L6W 2+75S	1	48	13	173	.1	21	12	2091	3.22	3	5	ND	1	50	1	2	2	68	.51	.138	10	24	.35	239	.10	5	2.36	.01	.09	2	1
BSA-L6W 3+00S	1	98	14	116	.1	24	10	457	4.10	10	5	ND	2	42	1	2	2	94	.53	.081	11	28	.64	156	.11	3	3.49	.01	.09	1	2
BSA-L5W 2+00N	1	84	17	249	.2	29	15	2479	4.32	8	5	ND	2	68	2	2	2	100	1.02	.177	11	40	.68	330	.08	5	3.12	.01	.14	2	1
BSA-L5W 1+75N	1	275	16	264	.4	37	23	3451	4.37	3	5	ND	1	101	1	2	2	124	2.98	.378	11	56	1.38	236	.07	14	2.83	.01	.12	1	3
BSA-L5W 1+50N	1	36	13	95	.2	14	9	1081	2.90	5	5	ND	1	65	1	2	2	69	.94	.056	8	24	.49	224	.09	11	1.64	.02	.10	1	1
BSA-L5W 1+25N	1	24	12	81	.1	13	8	1242	2.72	5	5	ND	1	47	1	2	2	67	.66	.044	7	23	.31	179	.09	13	1.31	.02	.11	1	1
BSA-L5W 1+00N	1	55	16	105	.2	21	14	2116	3.60	7	5	ND	1	62	1	2	2	75	.98	.063	11	31	.49	247	.07	5	2.05	.01	.14	1	1
BSA-L5W 0+75N	1	41	13	114	.3	19	11	1644	3.22	3	5	ND	1	52	1	2	2	64	.70	.089	9	28	.38	245	.09	5	1.79	.02	.17	1	1
BSA-L5W 0+50N	1	35	14	67	.1	14	9	807	2.82	9	5	ND	1	65	1	2	2	70	.69	.034	7	24	.44	132	.10	14	1.20	.02	.16	1	5
BSA-L5W 0+25N	1	23	7	53	.1	12	8	462	2.78	7	5	ND	1	46	1	2	2	74	.47	.016	5	27	.39	90	.12	12	1.11	.02	.13	1	1
BSA-L5W 0+00	1	30	19	68	.1	18	9	358	3.01	9	5	ND	2	45	1	2	2	75	.43	.034	7	31	.47	111	.12	3	1.21	.02	.10	2	3
BSA-L5W 0+25S	1	38	15	84	.2	26	13	956	3.19	5	5	ND	1	50	1	2	2	73	.62	.039	8	60	.69	145	.10	4	1.43	.02	.17	1	4
BSA-L5W 1+25S	1	57	15	128	.5	21	8	674	2.74	4	5	ND	1	121	1	2	2	54	1.16	.063	25	22	.52	254	.05	14	1.66	.02	.10	1	5
BSA-L5W 1+50S	1	21	12	119	.1	14	8	400	3.24	4	5	ND	2	54	1	2	2	78	.51	.051	7	24	.40	201	.11	14	1.35	.02	.06	1	6
BSA-L5W 1+75S	1	28	7	107	.1	11	7	330	2.62	3	5	ND	2	45	1	2	2	59	.41	.053	8	20	.23	108	.10	3	1.11	.01	.09	1	3
BSA-L5W 2+00S	1	31	17	113	.2	19	10	514	3.43	6	5	ND	2	47	1	2	2	72	.41	.118	8	25	.48	166	.11	20	1.73	.02	.10	1	6
BSA-L5W 2+25S	1	17	10	116	.1	9	8	754	2.40	2	5	ND	2	37	1	2	2	59	.45	.058	7	20	.22	106	.11	4	.83	.01	.09	2	5
BSA-L5W 2+50S	1	21	10	70	.1	16	8	439	2.77	5	5	ND	2	42	1	2	2	69	.50	.059	6	27	.37	108	.11	3	1.22	.02	.15	1	5
STD C/AU-S	18	64	42	132	7.3	71	29	953	3.93	39	14	7	39	52	18	17	24	61	.48	.092	39	62	.88	179	.09	31	1.80	.06	.14	13	48

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* PPB
BSA-L5W 2+75S	1	19	7	61	.1	12	7	373	2.69	6	5	ND	2	44	1	2	2	71	.41	.049	5	23	.35	125	.10	2	1.18	.01	.05	1	1
BSA-L5W 3+00S	2	101	9	258	.5	16	16	2301	5.61	6	5	ND	3	56	1	2	2	149	1.48	.243	7	25	.54	250	.07	9	3.05	.01	.17	1	6
BSA-L4W 2+00N	1	45	11	95	.2	17	13	1436	3.78	7	5	ND	2	50	1	2	2	83	.65	.044	9	32	.54	186	.09	10	1.92	.01	.21	1	1
BSA-L4W 1+75N	1	28	10	72	.1	14	11	504	3.50	11	5	ND	2	54	1	2	2	92	.49	.028	8	30	.51	126	.10	4	1.66	.02	.08	1	1
BSA-L4W 1+50N	1	21	11	77	.1	13	10	462	3.17	5	5	ND	1	41	1	2	2	87	.43	.021	6	32	.42	123	.12	8	1.46	.02	.08	1	1
BSA-L4W 1+25N	1	32	9	108	.1	20	12	714	3.83	8	5	ND	2	31	1	2	2	93	.40	.032	6	44	.56	139	.12	3	1.98	.01	.10	1	1
BSA-L4W 1+00N	1	47	23	121	.2	21	13	1412	4.77	17	5	ND	1	46	1	2	2	100	.79	.060	8	34	.40	216	.06	7	2.46	.01	.16	1	3
BSA-L4W 0+75N	1	41	14	87	.1	18	10	655	3.44	9	5	ND	2	39	1	2	2	80	.58	.103	11	37	.48	168	.09	2	1.77	.01	.15	1	3
BSA-L4W 0+50N	1	64	9	165	.3	25	15	1463	4.07	5	5	ND	2	75	1	2	2	83	1.18	.132	11	50	.53	340	.06	14	1.94	.01	.27	1	1
BSA-L4W 0+25N	1	42	7	185	.2	22	8	775	2.22	3	5	ND	1	133	2	2	2	45	2.05	.198	8	25	.36	249	.06	13	1.04	.01	.15	1	2
BSA-L4W 0+00	1	66	16	87	.1	26	13	763	3.88	13	5	ND	5	64	1	2	2	77	.61	.065	17	37	.63	211	.09	7	1.76	.02	.10	1	2
BSA-L4W 0+25S	1	29	11	70	.1	17	10	755	2.92	6	5	ND	2	52	1	2	2	70	.45	.031	9	29	.41	184	.08	2	1.45	.01	.10	1	3
BSA-L4W 0+50S	1	23	7	137	.1	14	9	806	2.74	3	5	ND	1	51	1	2	2	61	.49	.105	7	21	.33	196	.09	2	1.30	.01	.13	1	2
BSA-L4W 0+75S	1	45	14	264	.4	19	10	1535	3.00	4	5	ND	2	78	1	2	2	60	.75	.127	14	26	.41	325	.08	2	1.58	.01	.18	1	2
BSA-L4W 1+00S	1	111	6	212	.6	39	11	1044	3.57	8	5	ND	2	137	1	2	2	62	1.46	.149	23	32	.69	316	.05	3	2.40	.02	.14	1	1
BSA-L4W 1+25S	1	71	13	251	.6	20	11	1064	3.02	4	5	ND	2	97	1	2	2	61	1.13	.096	13	24	.38	334	.06	6	1.61	.02	.10	1	1
BSA-L4W 1+50S	1	27	10	90	.1	19	10	525	3.25	6	5	ND	2	50	1	2	2	74	.51	.066	8	27	.52	159	.10	2	1.63	.02	.10	1	1
BSA-L4W 1+75S	1	32	11	92	.1	19	9	481	3.43	10	5	ND	2	47	1	2	2	78	.50	.095	8	28	.46	142	.10	7	1.71	.02	.08	1	1
BSA-L4W 2+00S	1	27	10	91	.2	21	8	399	3.06	7	5	ND	2	42	1	2	2	70	.44	.101	8	29	.44	132	.10	2	1.33	.02	.12	1	1
BSA-L4W 2+25S	1	21	11	120	.2	16	9	1024	2.55	3	5	ND	2	52	1	2	2	56	.60	.114	7	22	.32	205	.09	6	1.18	.01	.16	1	2
BSA-L4W 2+50S	1	21	12	187	.2	19	9	872	2.82	3	5	ND	1	48	1	2	2	58	.49	.176	7	25	.39	238	.10	3	1.44	.01	.16	1	1
BSA-L4W 2+75S	1	23	4	104	.1	25	9	388	3.15	4	5	ND	2	51	1	2	2	71	.48	.164	7	31	.49	172	.10	3	1.73	.02	.09	1	1
BSA-L4W 3+00S	1	15	13	98	.1	16	7	554	2.45	4	5	ND	1	36	1	2	2	59	.39	.121	6	23	.28	130	.10	3	1.28	.01	.08	1	1
BSA-L3W 2+00N	2	40	22	158	.3	21	17	1586	4.37	8	5	ND	1	57	1	2	2	120	.81	.047	6	53	.72	155	.10	7	2.02	.01	.12	1	1
BSA-L3W 1+75N	1	27	8	229	.2	17	9	1153	2.71	2	5	ND	1	61	1	2	2	56	.57	.154	8	27	.33	289	.07	4	1.42	.01	.12	1	2
BSA-L3W 1+50N	1	46	8	103	.4	21	10	1297	3.14	9	5	ND	2	80	1	2	2	67	.79	.059	17	32	.44	209	.07	5	1.92	.02	.19	1	1
BSA-L3W 1+25N	1	21	11	161	.1	15	8	1146	2.44	2	5	ND	1	64	1	2	2	55	.83	.077	6	21	.29	207	.09	4	1.22	.01	.13	1	1
BSA-L3W 1+00N	1	83	19	147	.2	26	16	1537	4.54	19	5	ND	2	53	1	2	2	80	1.09	.083	12	33	.46	240	.05	4	1.88	.01	.22	1	1
BSA-L3W 0+75N	1	81	14	283	.4	21	14	2018	3.61	9	5	ND	1	67	1	2	2	71	1.45	.115	10	27	.42	322	.04	4	1.79	.01	.21	1	1
BSA-L3W 0+50N	1	72	16	211	.5	23	13	2030	3.33	20	5	ND	2	77	2	2	2	67	1.53	.154	14	32	.47	331	.04	7	2.07	.01	.20	1	1
BSA-L3W 0+25N	1	49	16	195	.2	20	10	2030	2.74	6	5	ND	2	71	1	2	2	54	1.08	.083	9	27	.35	293	.05	4	1.41	.01	.14	1	1
BSA-L3W 0+00	2	36	8	189	.3	17	8	1715	2.10	3	5	ND	1	106	1	2	2	46	1.51	.100	6	18	.32	285	.06	13	1.03	.01	.14	1	1
BSA-L3W 0+25S	1	34	13	118	.2	20	11	1793	3.00	3	5	ND	1	65	1	2	2	61	.74	.100	8	31	.35	296	.07	3	1.33	.01	.14	1	1
BSA-L3W 0+50S	2	56	14	111	.3	25	11	1870	2.70	5	5	ND	1	91	1	2	2	54	1.24	.077	11	28	.35	302	.05	8	1.34	.01	.20	1	1
BSA-L3W 0+75S	1	47	12	116	.2	26	12	1344	3.23	6	5	ND	2	63	2	2	2	67	.75	.051	10	34	.48	211	.06	4	1.60	.01	.16	1	1
BSA-L3W 1+00S	2	50	13	183	.3	17	12	603	3.75	5	5	ND	2	48	1	2	2	76	.36	.101	8	30	.41	190	.06	4	1.92	.01	.10	1	1
STD C/AU-S	18	63	38	132	7.2	71	29	957	3.93	39	15	8	40	52	19	16	23	61	.48	.090	39	67	.88	179	.09	32	1.80	.06	.14	10	52

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* PPB
BSA-L3W 1+25S	1	30	6	153	.1	18	10	657	3.58	5	5	ND	2	48	1	2	2	81	.45	.075	8	31	.44	181	.11	4	1.63	.02	.08	1	1
BSA-L3W 1+50S	1	34	11	86	.1	20	10	613	3.24	9	5	ND	2	54	1	2	2	77	.52	.102	11	29	.49	173	.12	2	1.37	.02	.11	1	1
BSA-L3W 1+75S	1	20	7	109	.1	16	7	528	2.92	3	5	ND	1	45	1	2	2	72	.44	.069	6	24	.35	159	.12	3	1.26	.01	.09	2	2
BSA-L3W 2+00S	1	24	8	178	.2	16	9	1568	2.61	2	5	ND	1	58	1	2	2	66	.59	.095	7	25	.28	268	.12	2	1.04	.01	.10	1	1
BSA-L3W 2+25S	1	34	10	97	.2	18	10	692	3.15	5	5	ND	1	53	1	2	2	77	.60	.089	7	30	.46	160	.11	5	1.32	.01	.12	2	1
BSA-L3W 2+50S	1	32	12	105	.2	23	10	966	3.11	6	5	ND	1	63	1	2	2	79	.70	.081	8	30	.48	171	.12	2	1.19	.02	.12	1	2
BSA-L3W 2+75S	1	42	11	136	.1	24	12	1084	3.57	4	5	ND	1	63	1	2	2	79	.66	.093	9	33	.53	249	.10	3	1.73	.02	.12	1	1
BSA-L3W 3+00S	1	18	9	68	.1	16	8	883	2.91	4	5	ND	1	51	1	2	2	76	.57	.043	6	26	.38	176	.13	4	1.20	.01	.09	1	1
BSA-L2W 2+00N	2	35	9	211	.2	26	11	1664	2.82	6	5	ND	1	109	1	2	2	58	1.34	.150	8	40	.52	336	.07	7	1.25	.01	.11	1	1
BSA-L2W 1+75N	1	26	14	194	.2	19	9	1062	2.75	3	5	ND	1	92	1	2	2	59	1.24	.155	8	34	.41	249	.09	10	1.24	.01	.13	1	1
BSA-L2W 1+50N	1	20	10	78	.1	15	8	515	2.70	7	5	ND	1	50	1	2	2	65	.51	.069	8	26	.33	144	.11	2	1.01	.02	.07	1	3
BSA-L2W 1+25N	1	25	11	93	.2	19	9	818	2.76	5	5	ND	1	92	1	2	2	62	.77	.062	8	23	.33	235	.09	5	1.17	.02	.09	1	1
BSA-L2W 1+00N	2	73	9	136	.1	24	12	1804	3.08	3	5	ND	1	118	1	2	2	60	1.09	.082	11	26	.41	418	.07	4	1.68	.01	.30	1	1
BSA-L2W 0+75N	1	55	12	122	.2	23	10	1708	2.93	5	5	ND	1	107	1	2	2	60	1.25	.094	9	26	.38	244	.06	6	1.45	.01	.16	1	2
BSA-L2W 0+50N	1	43	13	187	.1	25	13	1422	3.55	6	5	ND	1	86	1	2	2	70	.84	.138	11	40	.58	301	.08	3	1.70	.01	.18	1	1
BSA-L2W 0+25N	2	75	12	160	.5	27	11	1944	3.08	4	5	ND	2	101	1	2	2	61	1.13	.062	16	30	.41	302	.06	3	1.58	.01	.14	1	2
BSA-L2W 0+00N	1	54	12	88	.2	24	12	765	3.61	11	5	ND	2	64	1	2	2	75	.70	.058	14	35	.60	191	.10	4	1.66	.02	.23	1	1
BSA-L2W 0+25S	1	34	10	89	.2	16	9	1095	2.82	4	5	ND	1	66	1	2	2	65	.88	.037	7	29	.43	147	.09	4	1.33	.01	.20	1	2
BSA-L2W 0+50S	2	188	10	264	.8	49	12	1260	4.28	6	5	ND	2	319	1	2	2	58	3.38	.188	20	44	1.13	520	.04	12	3.52	.03	.18	1	1
BSA-L2W 0+75S	1	80	5	59	.3	16	4	515	1.13	4	5	ND	1	275	1	3	2	22	4.33	.092	5	12	.64	209	.01	18	.65	.01	.04	2	2
BSA-L2W 1+00S	2	28	10	145	.1	12	13	1069	2.76	2	5	ND	2	42	1	2	2	67	.41	.048	6	27	.34	258	.09	2	1.42	.01	.10	1	2
BSA-L2W 1+25S	1	29	10	163	.1	17	12	845	3.51	6	5	ND	2	55	1	2	2	80	.70	.165	6	32	.40	237	.09	2	1.63	.01	.17	1	10
BSA-L2W 1+50S	4	35	11	178	.4	21	12	1017	3.69	8	5	ND	2	71	1	2	2	85	.80	.135	6	31	.42	250	.10	3	1.73	.01	.17	1	1
BSA-L2W 1+75S	1	23	13	187	.3	14	9	2447	2.33	2	5	ND	1	92	1	2	2	52	1.07	.139	6	20	.25	305	.08	9	.95	.01	.16	2	1
BSA-L2W 2+00S	1	17	10	81	.2	16	8	451	2.84	4	5	ND	2	46	1	2	2	73	.47	.095	8	26	.38	148	.13	3	1.15	.02	.15	1	2
BSA-L2W 2+25S	1	28	10	206	.3	20	12	1178	3.48	4	5	ND	1	111	1	2	2	71	1.19	.266	7	31	.43	423	.09	8	1.62	.01	.19	1	1
BSA-L2W 2+50S	1	17	9	109	.1	16	8	447	2.79	3	5	ND	1	51	1	2	2	71	.52	.068	8	23	.39	153	.13	2	1.22	.02	.09	1	1
BSA-L2W 2+75S	1	26	15	230	.2	23	11	972	3.37	3	5	ND	2	48	1	2	2	78	.54	.155	8	29	.47	233	.12	4	1.62	.02	.15	2	1
BSA-L2W 3+00S	1	20	9	95	.1	16	9	729	2.99	5	5	ND	2	42	1	2	3	73	.42	.051	9	26	.39	141	.13	2	1.31	.02	.10	1	14
BSA-L0W 3+00N	1	37	12	79	.2	19	9	804	2.94	7	5	ND	1	55	1	2	2	70	.61	.067	17	34	.42	174	.10	2	1.17	.02	.08	1	3
BSA-L0W 2+75N	1	23	11	102	.1	16	8	760	2.69	4	5	ND	1	48	1	2	5	63	.51	.110	8	28	.34	189	.10	2	1.16	.02	.09	1	2
BSA-L0W 2+50N	1	31	13	156	.3	19	8	1390	2.62	3	5	ND	1	63	1	2	2	55	.63	.103	13	25	.34	267	.08	3	1.33	.02	.11	1	2
BSA-L0W 2+25N	1	25	12	111	.1	15	8	876	2.40	3	5	ND	1	69	1	2	2	53	.65	.076	13	22	.33	217	.08	2	1.18	.02	.09	1	4
BSA-L0W 2+00N	1	22	13	91	.1	16	8	850	2.62	3	5	ND	1	65	1	2	2	59	.50	.058	11	23	.34	191	.09	2	1.17	.02	.10	1	1
BSA-L0W 1+75N	2	29	8	147	.2	14	7	902	2.30	3	5	ND	1	103	1	2	4	52	1.00	.092	12	23	.35	248	.07	5	1.13	.02	.13	1	1
BSA-L0W 1+50N	1	38	17	125	.1	18	9	1079	2.90	6	5	ND	2	77	1	2	2	64	.92	.093	12	27	.41	233	.08	2	1.37	.02	.14	1	2
STD C/AU-S	19	62	35	132	7.3	71	29	959	3.92	38	14	8	39	52	19	16	23	61	.47	.094	39	69	.88	180	.09	30	1.79	.06	.14	13	48

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* PPB
BSA-LOW 1+25N	1	42	8	105	.2	19	9	1103	2.56	10	5	ND	7	87	1	2	4	59	.76	.067	18	19	.35	197	.02	4	1.25	.02	.09	2	2
BSA-LOW 1+00N	1	35	9	148	.1	19	11	2030	2.73	8	5	ND	4	73	1	2	2	60	.53	.097	14	22	.36	301	.02	2	1.46	.01	.12	1	1
BSA-LOW 0+75N	1	25	10	147	.2	15	9	2055	2.20	6	5	ND	2	91	1	2	2	49	.75	.102	9	17	.28	275	.01	2	1.06	.01	.11	1	1
BSA-LOW 0+50N	1	30	7	193	.1	20	10	1722	2.15	7	5	ND	2	194	1	2	2	47	1.70	.121	9	16	.36	367	.01	10	1.09	.02	.14	1	1
BSA-LOW 0+25N	1	42	10	132	.1	24	10	2003	2.67	8	5	ND	3	103	1	2	2	58	.78	.093	17	20	.37	352	.02	3	1.55	.01	.11	1	1
BSA-LOW 0+00	1	36	9	123	.1	20	9	1473	2.52	7	5	ND	2	103	1	2	2	56	.82	.092	12	19	.33	286	.02	2	1.21	.02	.13	1	1
BSA-LOW 0+50S	1	19	6	144	.1	16	8	966	2.60	7	5	ND	2	40	1	2	4	64	.36	.087	8	26	.32	194	.07	2	.98	.02	.12	1	1
BSA-LOW 0+75S	1	34	6	94	.1	24	10	1309	2.43	6	5	ND	2	78	1	2	2	55	.91	.065	7	27	.39	291	.03	2	1.12	.01	.18	1	1
BSA-LOW 1+00S	1	58	12	163	.1	32	18	1844	3.72	13	5	ND	2	93	1	2	2	81	1.48	.146	10	46	.78	290	.03	5	2.16	.01	.36	1	1
BSA-LOW 1+25S	1	51	7	78	.1	32	13	652	3.95	19	5	ND	5	72	1	2	3	88	.64	.064	15	46	.92	238	.07	2	2.10	.03	.08	2	4
BSA-LOW 1+50S	1	73	12	127	.1	52	22	1267	3.49	10	5	ND	2	85	1	2	2	71	1.24	.111	10	77	.98	244	.02	4	1.82	.01	.29	1	5
BSA-LOW 1+75S	1	85	11	329	.2	28	15	2437	3.56	16	5	ND	2	108	1	2	2	72	1.73	.166	12	26	.49	437	.01	7	1.72	.01	.18	1	1
BSA-LOW 1+90S	1	72	14	106	.2	35	16	1071	4.26	17	5	ND	4	77	1	2	2	95	.79	.093	20	40	.89	208	.08	9	2.19	.03	.16	1	15
BSB-L0E 2+50N	3	60	22	410	.4	39	22	3337	4.37	77	5	ND	2	97	3	6	2	66	.81	.446	13	34	.42	401	.01	2	2.52	.01	.16	1	1
BSB-L0E 2+25N	1	26	15	194	.1	28	10	1217	2.98	7	5	ND	3	55	1	2	2	61	.52	.182	11	30	.44	348	.07	2	1.51	.02	.18	1	1
BSB-L0E 2+00N	1	30	4	157	.1	28	11	1085	3.14	6	5	ND	2	67	1	2	3	64	.62	.257	12	33	.49	401	.07	7	1.45	.02	.18	1	3
BSB-L0E 1+75N	1	36	5	111	.3	24	9	1299	2.44	5	5	ND	2	69	1	2	2	53	1.12	.064	8	24	.36	247	.05	6	1.16	.02	.22	1	1
BSB-L0E 1+50N	1	20	9	74	.1	21	8	819	2.46	4	5	ND	2	47	1	2	4	57	.53	.038	9	27	.37	174	.07	2	1.08	.02	.11	1	1
BSB-L0E 1+25N	1	25	14	78	.1	21	10	832	2.87	8	5	ND	4	48	1	2	3	66	.45	.048	10	32	.44	171	.09	5	1.28	.02	.15	1	1
BSB-L0E 1+00N	1	85	12	117	.3	55	12	1115	3.57	11	5	ND	4	111	1	2	3	70	.94	.057	23	38	.73	288	.05	2	2.11	.02	.17	1	1
BSB-L0E 0+75N	1	66	8	132	.3	66	10	1007	2.94	6	5	ND	2	128	1	2	2	53	1.18	.117	34	35	.74	307	.02	2	1.95	.02	.16	1	1
BSB-L0E 0+50N	1	29	9	153	.1	31	13	809	3.26	14	5	ND	2	77	1	2	6	71	.62	.167	12	34	.56	208	.07	2	1.79	.02	.19	1	1
BSB-L0E 0+25N	3	57	22	703	.1	27	27	3565	3.39	65	5	ND	3	184	2	5	2	47	2.04	.415	17	25	.50	453	.01	8	2.17	.01	.23	1	1
BSB-L0E 0+00	4	53	9	113	.5	53	12	1798	2.77	21	5	ND	3	105	2	2	2	60	.85	.095	26	32	.54	312	.04	3	2.17	.02	.15	1	1
BSB-L0E 0+25S	1	33	7	135	.2	32	10	1734	2.57	5	5	ND	1	89	1	2	2	56	.92	.121	8	29	.44	319	.06	3	1.20	.01	.15	1	1
BSB-L0E 0+50S	1	68	14	88	.3	54	11	1435	2.94	8	5	ND	2	169	1	2	2	57	1.46	.059	19	32	.63	294	.04	2	1.78	.02	.11	1	1
BSB-L0E 0+75S	1	85	12	103	.4	59	12	1493	3.80	7	5	ND	3	135	1	2	2	70	1.22	.057	20	41	.61	350	.06	2	2.47	.02	.14	1	1
BSB-L0E 1+00S	1	20	6	60	.2	23	9	454	2.77	5	5	ND	2	66	1	2	2	69	.58	.031	7	32	.42	133	.09	2	1.20	.02	.09	1	1
BSB-L0E 1+25S	3	25	9	65	.2	24	11	502	2.98	5	5	ND	2	49	1	2	3	68	.37	.029	6	31	.41	127	.06	2	1.60	.02	.06	1	1
BSB-L0E 1+50S	11	19	2	38	.1	9	1	30	.21	2	5	ND	1	297	1	3	2	7	4.21	.056	2	4	.19	56	.01	4	.20	.02	.01	3	1
BSB-L0E 1+75S	5	53	2	50	.1	24	2	62	.66	3	5	ND	1	378	1	3	2	56	5.59	.063	5	6	.28	182	.01	5	.29	.02	.01	3	1
BSB-L0E 2+00S	1	49	13	120	.3	39	10	741	3.00	8	5	ND	3	105	1	3	2	58	1.22	.072	17	32	.65	226	.04	3	1.86	.03	.12	1	1
BSB-L0E 2+25S	1	32	6	284	.4	21	9	1932	2.33	3	5	ND	1	111	1	2	5	48	1.33	.158	7	23	.30	377	.05	8	1.01	.02	.10	1	1
BSB-L0E 2+50S	1	22	6	177	.1	20	8	742	2.23	4	5	ND	1	75	1	2	2	51	.75	.109	8	21	.34	200	.07	2	1.07	.02	.08	1	1
BSB-L1E 2+50N	1	24	13	98	.1	31	9	871	3.08	10	5	ND	2	60	1	2	2	73	.43	.060	13	31	.44	247	.11	5	1.63	.02	.17	1	1
BSB-L1E 2+25N	1	35	8	281	.2	37	11	2000	3.12	8	5	ND	3	107	2	2	2	63	.76	.120	16	35	.50	473	.08	2	1.93	.01	.21	1	5
STD C/AU-S	20	62	40	135	7.1	72	29	1032	3.96	41	16	8	43	55	19	16	22	64	.48	.100	42	61	.88	181	.08	35	1.81	.07	.15	14	52

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* PPB
BSB-L1E 2+00N	1	68	14	418	.5	53	17	1747	4.58	29	5	ND	4	97	3	2	2	72	.71	.268	19	51	.56	484	.07	7	3.53	.01	.30	1	1
BSB-L1E 1+75N	1	50	14	115	.3	42	11	1506	2.93	12	5	ND	3	64	1	2	2	64	.53	.072	21	37	.57	263	.07	3	2.12	.02	.09	1	12
BSB-L1E 1+50N	1	45	10	177	.5	45	14	2191	2.95	5	5	ND	1	123	1	2	2	54	1.07	.160	15	38	.63	410	.07	6	1.75	.02	.15	1	1
BSB-L1E 1+25N	1	54	6	110	.5	47	10	960	3.09	6	5	ND	3	70	2	2	2	63	.60	.068	23	38	.66	225	.08	5	1.97	.02	.09	1	2
BSB-L1E 1+00N	1	30	14	99	.3	30	8	1234	2.25	3	5	ND	1	88	1	2	2	50	.95	.081	7	28	.42	234	.07	8	1.01	.02	.12	1	1
BSB-L1E 0+75N	1	30	9	88	.3	26	9	1250	2.41	4	5	ND	1	70	2	2	2	56	.70	.045	8	27	.41	198	.09	4	1.14	.01	.14	1	1
BSB-L1E 0+50N	1	54	9	105	.5	48	8	473	3.08	6	5	ND	2	92	1	2	2	53	.83	.085	27	41	.76	241	.06	3	2.59	.02	.15	1	1
BSB-L1E 0+25N	1	40	9	104	.3	47	11	875	2.96	5	5	ND	2	66	1	2	2	62	.59	.052	16	40	.71	213	.10	3	1.54	.02	.11	1	1
BSB-L1E 0+00	1	36	7	60	.3	41	7	359	2.80	4	5	ND	2	62	1	2	2	58	.47	.036	15	37	.73	158	.11	2	1.65	.03	.08	2	1
BSB-L1E 0+25S	1	28	12	90	.1	33	11	571	3.83	9	5	ND	2	35	1	2	2	89	.37	.075	12	41	.55	180	.08	2	2.92	.02	.06	1	2
BSB-L1E 0+50S	1	27	8	58	.1	30	9	285	3.21	7	5	ND	2	40	1	2	2	78	.39	.053	10	40	.58	124	.10	3	1.74	.01	.10	1	1
BSB-L1E 0+75S	1	44	10	217	.2	54	18	2325	5.15	7	5	ND	3	42	1	2	2	104	.61	.239	13	73	.95	270	.17	4	3.20	.01	.09	1	2
BSB-L1E 1+00S	2	81	17	267	.5	37	20	9340	5.01	19	5	ND	5	70	2	2	6	104	1.16	.355	39	53	.80	376	.08	4	3.93	.02	.08	1	1
BSB-L1E 1+25S	1	40	14	92	.2	38	11	786	3.61	14	5	ND	3	45	1	2	2	81	.50	.086	20	46	.73	184	.11	7	2.67	.02	.10	1	1
BSB-L1E 1+50S	1	21	7	173	.4	26	8	1157	2.49	2	5	ND	2	59	1	2	2	52	.68	.132	9	27	.38	306	.11	6	1.23	.02	.16	1	1
BSB-L1E 1+75S	1	24	11	198	.1	24	10	1328	2.82	2	5	ND	2	47	1	2	2	57	.53	.181	9	32	.38	336	.09	7	1.43	.02	.18	1	2
BSB-L1E 2+00S	1	22	13	152	.1	24	11	1171	3.54	2	5	ND	2	44	1	2	2	63	.46	.134	9	38	.42	283	.08	12	1.61	.02	.18	1	1
BSB-L1E 2+25S	1	75	10	110	.6	48	10	624	3.94	8	5	ND	3	109	1	2	2	66	1.25	.060	26	43	.77	277	.07	4	3.09	.04	.10	1	1
BSB-L1E 2+50S	2	16	13	219	.3	18	12	2434	2.85	3	5	ND	1	43	1	2	2	55	.41	.196	6	31	.29	345	.09	5	1.37	.02	.12	1	2
BSB-L2E 2+50N	1	21	8	120	.1	29	9	723	2.84	4	5	ND	2	43	1	2	2	63	.40	.076	11	35	.44	204	.11	4	1.39	.02	.10	1	1
BSB-L2E 2+25N	1	28	10	123	.1	28	10	601	3.34	7	5	ND	2	41	1	2	2	73	.37	.098	9	39	.49	180	.09	3	2.10	.02	.10	1	1
BSB-L2E 2+00N	1	21	12	168	.1	26	8	832	2.60	3	5	ND	2	37	1	2	2	56	.37	.068	11	34	.44	223	.10	3	1.60	.02	.10	1	2
BSB-L2E 1+75N	1	43	10	112	.4	36	11	2063	2.42	5	5	ND	1	119	1	2	2	50	1.16	.086	13	29	.43	294	.05	3	1.37	.02	.16	1	1
BSB-L2E 1+50N	1	28	8	170	.1	29	11	1290	2.91	4	5	ND	1	56	1	2	2	64	.56	.117	8	34	.50	276	.10	5	1.34	.02	.09	1	1
BSB-L2E 1+25N	1	34	9	145	.2	29	10	1524	2.63	5	5	ND	1	104	1	2	2	56	1.05	.083	10	29	.41	312	.07	3	1.37	.01	.15	1	2
BSB-L2E 1+00N	1	20	8	54	.1	20	8	496	2.72	8	5	ND	2	45	1	2	2	68	.39	.028	9	33	.41	136	.11	2	1.09	.02	.06	1	1
BSB-L2E 0+75N	1	16	12	45	.1	15	6	314	2.43	5	5	ND	2	39	1	2	2	61	.38	.052	10	27	.38	118	.11	2	1.06	.02	.06	1	1
BSB-L2E 0+50N	1	24	12	108	.1	37	10	646	3.03	12	5	ND	3	34	1	2	2	70	.34	.078	10	37	.49	162	.10	3	2.09	.02	.10	1	3
BSB-L2E 0+25N	2	51	18	358	.6	65	23	3102	5.41	94	5	ND	2	48	1	2	4	104	.48	.143	14	48	.65	449	.05	4	3.28	.02	.14	1	2
BSB-L2E 0+00	1	30	12	120	.2	48	12	965	3.52	25	5	ND	2	59	2	2	2	74	.55	.060	13	46	.49	281	.09	4	2.36	.01	.13	1	1
BSB-L2E 0+25S	2	61	16	230	.5	26	13	2908	4.38	78	5	ND	3	86	1	6	2	60	1.34	.309	23	36	.55	232	.02	3	3.05	.01	.14	1	1
BSB-L2E 0+50S	1	23	11	123	.2	22	9	839	3.02	5	5	ND	1	42	1	2	2	65	.42	.107	8	33	.41	214	.10	9	1.30	.02	.13	1	1
BSB-L2E 0+75S	1	28	8	129	.1	29	10	888	3.09	8	5	ND	2	78	1	2	2	66	.87	.123	9	34	.51	246	.09	6	1.32	.02	.16	1	1
BSB-L2E 1+00S	1	30	13	156	.3	45	10	2875	2.40	2	5	ND	1	84	1	2	2	48	1.09	.104	7	27	.34	331	.08	7	1.04	.02	.16	1	1
BSB-L2E 1+25S	1	36	9	124	.1	36	12	1791	3.59	3	5	ND	2	36	1	2	2	70	.59	.092	11	39	.54	224	.09	4	2.12	.02	.10	1	4
BSB-L2E 1+50S	1	29	15	196	.1	34	14	2542	3.35	4	5	ND	2	70	1	2	2	63	.61	.221	11	35	.46	665	.08	5	1.78	.02	.11	1	1
STD C/AU-S	18	60	42	131	7.3	71	28	958	3.92	39	18	8	40	51	18	17	22	61	.48	.092	39	62	.88	178	.09	38	1.79	.06	.14	13	51

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* PPB
BSB-L2E 1+75S	1	17	16	135	.1	35	10	881	2.79	3	5	ND	3	39	1	2	2	62	.32	.088	9	35	.39	287	.09	2	2.11	.01	.07	1	2
BSB-L2E 2+00S	1	64	10	220	.4	66	14	1763	4.14	23	5	ND	5	64	1	5	2	59	.94	.153	29	54	.62	471	.03	2	7.67	.02	.12	1	1
BSB-L2E 2+25S	3	36	12	185	.1	39	28	2941	3.25	2	5	ND	1	91	1	2	2	56	1.09	.157	6	43	.56	273	.04	2	3.76	.01	.14	1	3
BSB-L2E 2+50S	1	17	13	93	.1	27	8	581	2.73	2	5	ND	1	32	1	2	2	63	.31	.063	7	30	.38	188	.10	2	1.67	.01	.06	1	3
BSB-L3E 2+50N	1	28	13	161	.1	33	11	959	3.14	3	5	ND	1	66	1	2	2	64	.81	.093	10	41	.52	219	.07	2	1.76	.01	.13	1	1
BSB-L3E 2+25N	1	26	14	71	.1	28	8	497	2.86	4	5	ND	1	54	1	2	2	65	.69	.061	8	33	.46	175	.07	2	1.39	.01	.10	1	3
BSB-L3E 2+00N	1	35	17	72	.1	35	12	832	3.12	7	5	ND	1	71	1	2	2	66	.72	.058	11	37	.60	182	.09	2	1.45	.02	.16	1	2
BSB-L3E 1+75N	1	17	8	137	.1	23	8	1202	2.42	2	5	ND	2	47	1	2	2	53	.50	.104	7	28	.35	219	.09	2	1.15	.01	.10	1	2
BSB-L3E 1+50N	1	12	12	71	.1	21	7	573	2.24	4	5	ND	1	36	1	2	2	54	.34	.025	7	23	.36	155	.10	2	1.22	.01	.05	2	2
BSB-L3E 1+25N	1	30	8	56	.1	25	10	365	3.09	9	5	ND	2	55	1	2	2	69	.49	.091	12	35	.56	163	.10	2	1.58	.02	.07	1	4
BSB-L3E 1+00N	1	24	17	135	.1	31	12	1399	3.54	4	5	ND	2	44	1	2	2	80	.46	.115	12	39	.42	239	.09	2	2.70	.01	.10	1	6
BSB-L3E 0+75N	3	39	20	413	.3	31	21	2974	4.25	32	5	ND	2	64	1	2	2	79	1.20	.192	19	43	.56	411	.03	4	3.86	.01	.20	1	3
BSB-L3E 0+50N	1	43	14	70	.2	34	9	411	3.44	11	5	ND	3	58	1	2	2	74	.49	.059	15	41	.65	177	.11	4	1.77	.03	.08	1	3
BSB-L3E 0+25N	1	22	14	79	.1	26	6	189	1.80	2	5	ND	3	46	1	2	2	49	.52	.062	17	30	.40	177	.10	2	1.61	.03	.05	1	1
BSB-L3E 0+00	1	22	13	136	.1	34	11	919	2.94	7	5	ND	3	26	1	2	2	63	.25	.095	9	35	.40	184	.08	2	2.64	.01	.07	2	2
BSB-L3E 0+25S	1	22	16	359	.2	19	17	2170	3.49	39	5	ND	3	68	1	2	2	56	.80	.206	19	27	.51	362	.01	2	2.72	.01	.18	1	1
BSB-L3E 0+50S	1	54	13	156	.4	34	10	1957	2.95	5	5	ND	2	119	1	2	2	53	1.46	.152	15	35	.56	560	.04	2	2.78	.01	.11	1	3
BSB-L3E 0+75S	2	42	20	165	.2	31	18	2642	3.42	21	5	ND	3	68	1	2	2	58	.95	.066	15	33	.45	324	.06	4	1.97	.01	.22	1	2
BSB-L3E 1+00S	1	29	14	95	.1	24	10	2023	2.23	2	5	ND	1	81	1	2	2	51	.87	.059	7	24	.33	268	.07	3	.98	.01	.11	1	3
BSB-L3E 1+25S	1	31	12	106	.1	30	11	1255	3.01	5	5	ND	2	56	1	2	2	66	.57	.042	9	33	.43	202	.10	2	1.43	.02	.11	1	1
BSB-L3E 1+50S	1	49	11	127	.1	25	10	1676	2.59	3	5	ND	1	112	1	2	3	53	1.06	.048	9	26	.38	246	.07	2	1.36	.02	.09	1	1
BSB-L3E 1+75S	1	27	14	134	.2	26	11	956	3.20	4	5	ND	2	49	1	2	2	67	.52	.134	9	36	.49	231	.10	3	1.47	.02	.12	2	1
BSB-L3E 2+00S	2	53	11	270	.1	40	21	2326	3.96	2	5	ND	2	137	1	2	2	41	1.56	.337	12	36	1.15	413	.02	5	2.92	.01	.22	1	25
BSB-L3E 2+25S	1	20	9	113	.1	22	9	1413	2.29	2	5	ND	2	77	2	2	2	49	.71	.123	9	24	.32	218	.07	2	1.11	.01	.09	2	3
BSB-L3E 2+50S	1	16	8	89	.1	19	7	828	2.21	2	5	ND	1	56	1	2	2	52	.54	.047	6	25	.30	161	.09	3	1.05	.02	.08	1	74
BSB-L4E 2+50N	1	23	12	75	.1	24	8	837	2.43	2	5	ND	2	63	1	2	2	56	.50	.031	13	29	.41	204	.09	2	1.28	.02	.08	1	2
BSB-L4E 2+25N	1	24	11	134	.1	34	10	1175	2.68	3	5	ND	1	47	1	2	2	53	.55	.119	11	31	.41	240	.07	4	1.23	.02	.14	1	1
BSB-L4E 2+00N	1	29	15	108	.2	26	12	1577	2.84	2	5	ND	2	53	1	2	2	58	.58	.102	9	33	.41	250	.08	3	1.23	.01	.13	1	3
BSB-L4E 1+75N	1	51	13	120	.3	48	10	940	3.11	4	5	ND	2	64	1	2	2	59	.64	.067	23	39	.69	232	.06	2	2.03	.02	.12	1	3
BSB-L4E 1+50N	1	20	9	95	.1	22	9	1202	2.56	2	5	ND	1	53	1	2	2	60	.57	.050	7	29	.37	189	.09	2	1.06	.01	.10	1	1
BSB-L4E 1+25N	1	94	14	218	.8	90	18	1836	5.09	6	5	ND	5	100	2	2	2	75	1.00	.120	46	61	1.23	427	.05	2	4.23	.02	.20	1	1
BSB-L4E 1+00N	1	17	13	77	.2	18	9	991	2.72	2	5	ND	2	35	1	2	2	61	.43	.128	8	33	.35	225	.09	2	1.15	.01	.10	1	1
BSB-L4E 0+75N	1	16	11	110	.3	20	7	939	2.35	2	5	ND	1	48	1	2	2	49	.57	.137	7	26	.34	241	.09	3	1.06	.01	.13	1	1
BSB-L4E 0+50N	1	20	7	132	.3	30	10	1738	2.33	2	5	ND	2	58	1	2	2	47	.51	.116	8	25	.29	353	.07	3	1.09	.01	.09	1	1
BSB-L4E 0+25N	1	34	11	98	.1	33	12	1000	3.07	6	5	ND	2	70	1	2	2	61	.84	.124	10	39	.49	233	.08	2	1.32	.01	.22	1	1
BSB-L4E 0+00	1	19	6	80	.1	17	8	848	2.39	4	5	ND	1	48	1	2	2	48	.59	.123	8	26	.30	216	.07	4	.99	.01	.19	2	1
STD C/AU-S	18	63	41	131	7.3	71	29	958	3.93	38	14	8	39	51	18	15	23	60	.48	.091	39	62	.88	181	.09	32	1.80	.06	.14	12	49

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* PPB
BSB-L4E 0+25S	1	16	9	72	.1	16	7	561	2.44	2	5	ND	3	40	1	2	3	57	.43	.089	8	24	.30	166	.11	4	1.07	.01	.12	2	1
BSB-L4E 0+50S	1	17	8	125	.1	24	9	1002	2.79	2	5	ND	3	33	1	2	2	61	.34	.138	9	33	.40	247	.10	3	1.44	.01	.11	1	2
BSB-L4E 0+75S	2	38	12	157	.3	26	12	2734	2.14	2	5	ND	3	111	1	2	2	39	1.39	.134	7	23	.29	300	.05	4	1.04	.01	.18	1	1
BSB-L4E 1+00S	4	64	12	257	.2	32	16	4481	2.35	4	5	ND	3	206	1	2	2	43	2.79	.127	7	22	.37	373	.03	9	1.11	.01	.14	1	1
BSB-L4E 1+25S	2	55	15	149	.3	33	14	3125	2.38	2	5	ND	2	173	1	2	3	47	2.09	.106	8	24	.35	312	.04	6	1.18	.01	.13	1	1
BSB-L4E 1+50S	2	45	14	222	.1	25	17	3196	3.18	5	5	ND	2	99	1	2	4	63	1.12	.065	8	31	.34	266	.06	3	1.32	.01	.12	1	2
BSB-L4E 1+75S	1	47	10	186	.1	29	17	2711	3.44	2	5	ND	2	74	1	2	2	62	.72	.116	10	35	.42	319	.05	3	1.64	.02	.10	1	1
BSB-L4E 2+00S	1	20	10	135	.1	23	10	791	3.29	5	5	ND	1	66	1	2	2	66	.64	.114	8	32	.45	170	.08	2	1.58	.01	.19	2	2
BSB-L4E 2+25S	1	90	7	143	.7	68	13	1562	4.03	5	6	ND	4	124	1	5	3	64	.98	.089	38	48	.84	372	.05	2	3.19	.02	.17	1	1
BSB-L4E 2+50S	2	18	6	73	.1	22	9	905	2.67	41	5	ND	2	107	1	2	2	62	.46	.025	8	27	.34	138	.08	3	1.21	.01	.11	1	1
STD C/AU-S	19	63	41	132	7.3	73	29	1040	4.00	42	17	9	38	49	20	19	20	63	.48	.100	42	59	.89	187	.10	39	1.83	.07	.15	13	50

BOSS 25

BOSS I Fr

BOSS 26

BOSS 27

DANSKIN

CHESLATTA I.R. I

To SOUTHBANK (Ferry across François Lk)

LAKE

IGNACE ROAD

BSA Grid

BSB Grid

WITNESS ZONE
Zone & sample locations 300 m W on road
ank zone 10-20 m wide trend 115°
Continuation of WITNESS ZONE, lines up with BOTTLE ZONE?

BOTTLE ZONE

POP ZONE
silt on with gossan & shears, well fractured

COLIN'S ZONE

IT'S NEW ZONE

LAKE ZONE

RUSTY ZONE

JEROME ZONE

1 TR-87-50	5 TR-87-55	
2 TR-87-49	6 TR-87-52	
3 TR-87-48	7 TR-87-54	
4 TR-87-51	8 TR-87-53	

LEGEND

- Claim Post
- Claim Boundary
- Stream
- Swamp
- Building
- Road, Hard Surface
- Road, Loose Surface
- Cart Track
- Contour - 100 metre interval
- x MB-87-31 — 1987 Rock Sample. Anomalous Au values in brackets.
- ● DE-60 — 1986 Rock Sample. Anomalous Au values in brackets.
- △ Ankerite Float
- ▲ Ankerite Outcrop
- □ Quartz Vein Float
- ■ Quartz Vein Outcrop
- Outcrop
- Fault
- Geological Contact, Defined
- Geological Contact, Assumed

MINERALS

cbr	Cinnabar
cpy	Chalcopyrite
F	Flourite
py	Pyrite

ALTERATION

ank	Ankeritic
ch	Chalcedonic
sil	Silicic

ROCKS

An	Andesite
op	Augite Porphyry
bfp	Bladed Feldspar Porphyry
bsl	Basalt
Bxx	Breccia
cpc	Chert Pebble Conglomerate
D	Diorite
d	Diabase
Dac P	Dacite Porphyry
fp	Feldspar Porphyry
G	Greenstone
gbr	Gabbro
hbl fp	Hornblende Feldspar
M	Monzonite
R	Rhyolite
ss	Sandstone Mudstone
tf	Tuff
Ltf	Lapilli Tuff

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,797

IMPERIAL METALS CORPORATION
BOSS CLAIMS

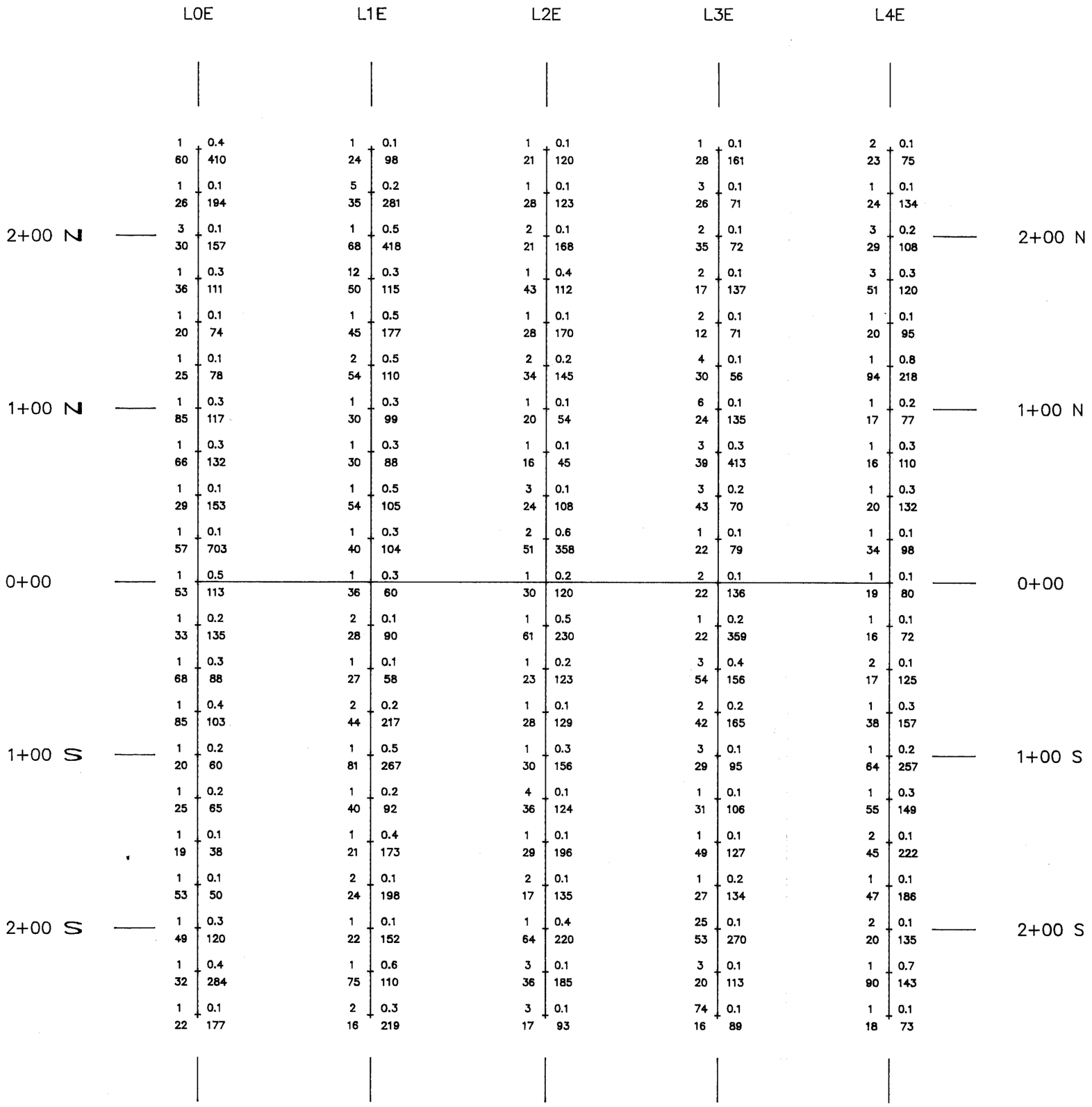
FIGURE 5 — N.T.S. 93F/13W

PROPERTY GEOCHEMISTRY

Metres 100 0 100 200 300 400 Metres

SCALE: 1:5000 — GEOLOGIST: P.D. & M.B.

DATE: SEPTEMBER 1987 — DRAWN BY: S. HAWORTH



TRUE NORTH

LEGEND

Au (ppb) / Cu (ppm) + Ag (ppm) / Zn (ppm) — Geochemistry

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,797

IMPERIAL METALS CORPORATION

BOSS CLAIMS

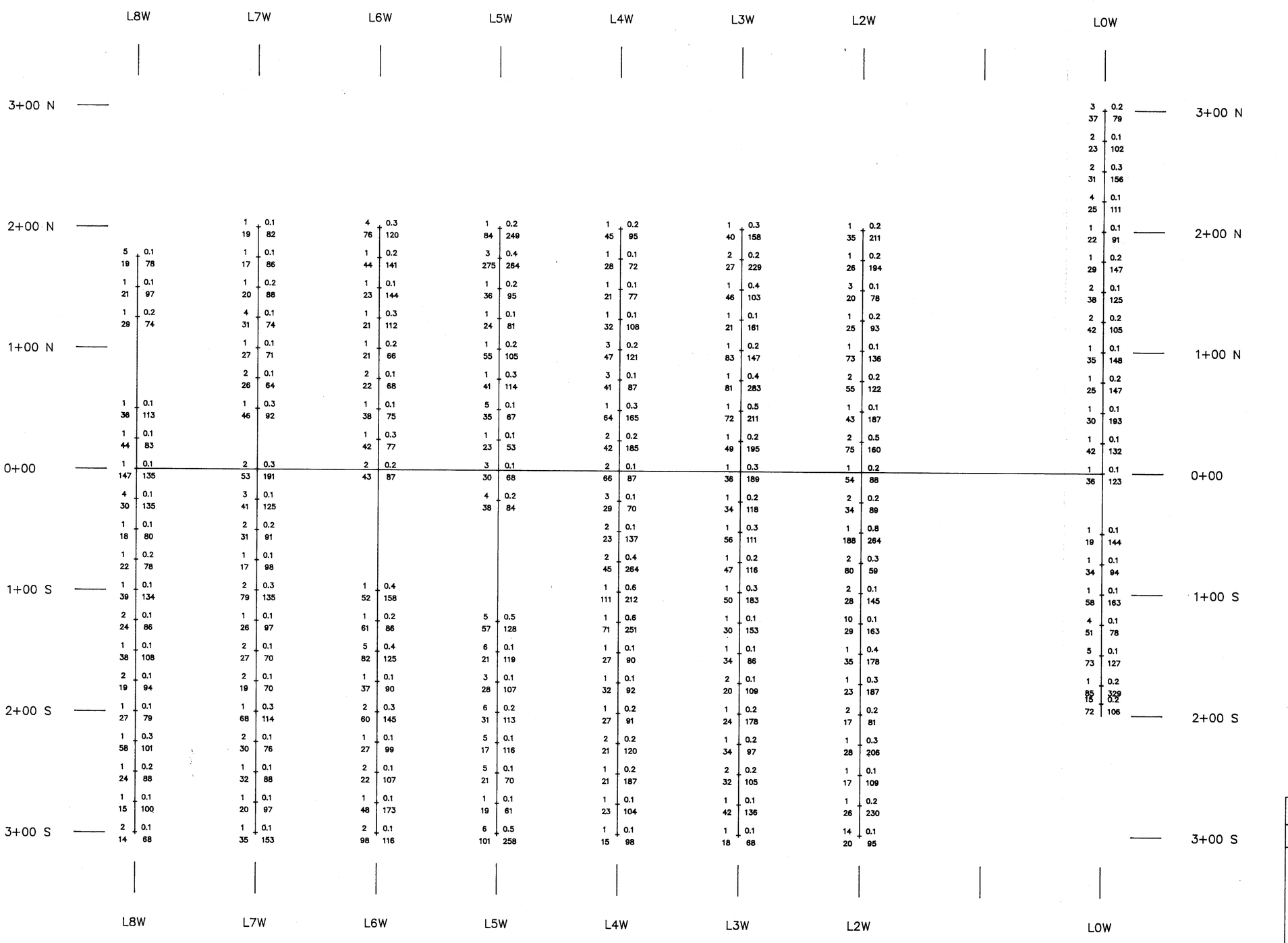
FIGURE 5B — N.T.S. 93F/13W

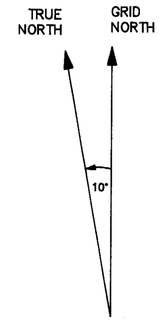
BSB GRID

GEOCHEMISTRY

Metres 50 0 50 100 Metres

SCALE: 1:2500	GEOLOGIST: P.D. & M.B.
DATE: SEPTEMBER 1987	DRAWN BY: S. HAWORTH





LEGEND

Au (ppb) / Cu (ppm) + Ag (ppm) / Zn (ppm)

Geochemistry

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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IMPERIAL METALS CORPORATION

BOSS CLAIMS

FIGURE 5A

N.T.S. 93F/13W

BSA GRID

GEOCHEMISTRY

Metres 50 0 50 100 Metres

SCALE: 1:2500

GEOLOGIST: P.D. & M.B.

DATE: SEPTEMBER 1987

DRAWN BY: S. HAWORTH

BOSS 25

BOSS I Fr

BOSS 26

BOSS 27

BSA Grid

BSB Grid

DANSKIN

CHESLATTA I.R. I

HARRIS ROAD

To SOUTHBANK (Ferry across François Lk)

LAKE

WITNESS ZONE
Zone of sample locations 300 m W of road
ank zone 15-20 m wide trend 115°

Continuation of WITNESS ZONE, lines up with BOTTLE ZONE?

POP ZONE
alt ank with gossan & shears, well fractured

BOTTLE ZONE

COLIN'S ZONE

IT'S NEW ZONE

RUSTY ZONE

JEROME ZONE
1969 trenches

LAKE ZONE
qtz veins

LEGEND

- Claim Post
- Claim Boundary
- Stream
- Swamp
- Building
- Road, Hard Surface
- Road, Loose Surface
- Cart Track
- Contour - 100 metre interval
- x MB-87-31 — 1987 Rock Sample. Anomalous Au values in brackets.
- ● DE-60 — 1986 Rock Sample. Anomalous Au values in brackets.
- △ Ankerite Float
- ▲ Ankerite Outcrop
- ○ Quartz Vein Float
- ■ Quartz Vein Outcrop
- Outcrop
- Fault
- Geological Contact, Defined
- Geological Contact, Assumed

MINERALS

cbr	Cinnabar
cpy	Chalcopyrite
F	Flourite
py	Pyrite

ALTERATION

ank	Ankeritic
ch	Chalcedonic
sil	Silicic

ROCKS

An	Andesite
ap	Augite Porphyry
bfp	Bladed Feldspar Porphyry
bsl	Basalt
Bxx	Breccia
cpc	Chert Pebble Conglomerate
D	Diorite
d	Diabase
Dac P	Dacite Porphyry
fp	Feldspar Porphyry
G	Greenstone
gbr	Gabbro
hbl fp	Hornblende Feldspar
Ltf	Lapilli Tuff
M	Monzonite
R	Rhyolite
ss	Sandstone Mudstone
tf	Tuff

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IMPERIAL METALS CORPORATION

BOSS CLAIMS

FIGURE 4 N.T.S. 93F/13W

PROPERTY GEOLOGY

Metres 100 0 100 200 300 400 Metres

SCALE: 1 : 5000 | GEOLOGIST: P.D. & M.B.

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