ARIS SUMMARY SHEET

District Geologist, Victoria — Off Confidential: 89.08.10

ASSESSMENT REPORT 18010 — MINING DIVISION: Nanaimo

PROPERTY: Haslam
LOCATION: LAT 48 56 00 LONG 124 01 00
UTM 10 5420323 425537
NTS 092C16E
CLAIM(S): Imperial H,Imp K
OPERATOR(S): Imperial Metals
AUTHOR(S): Delancey, P.R.
REPORT YEAR: 1988, 23 Pages
COMMODITIES SEARCHED FOR: Copper,Zinc,Silver
GEOLOGICAL SUMMARY:

Upper Sicker Group greywackes, cherts, chlorite schists, gabbroic sills and dykes show ankeritic and pyritic zones. Soil and rock sampling returned only spot-anomalous values.

WORK DONE: Geological,Geochemical
GEOL 150.0 ha
Map(s) - 1; Scale(s) - 1:5000
ROCK 10 sample(s) ;ME
SOIL 148 sample(s) ;ME

GEOCHEMICAL AND GEOLOGICAL

ASSESSMENT REPORT

on the

HASLAM CREEK PROPERTY

Specific Claims:		IMP K 1246 and IMP H 1137
Mining Division:		Nanaimo
N.T.S.	:	92C 16E
Latitude	:	48° 56' N
Longitude	:	124° 01' W
Owner	:	Imperial Metals Corporation
Operator	:	Imperial Metals Corporation
Author	:	Peter Ross DeLancey
Date	:	November 1988

SUMMARY

In August 1988 geological mapping, soil sampling (148 samples) and rock sampling (10 samples) was completed on the IMP K and H mineral claims near Ladysmith, British Columbia.

Mapping indicates that the contact between the favourable Myra Formation quartz-sericite schists and the overlying "sediment-sill" unit of the Sicker Group is just south of the southern IMP K claim boundary. The IMP K claim is underlain by tuffaceous to argillaceous chlorite schists gabbroic rocks. Soil and rock sampling returned local anomalous values for Cu, Pb, Zn, Ag and Au.

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LIST OF FIGURES

1.0 INTRODUCTION

This report discusses geological mapping, soil sampling and rock sampling completed in July-August 1988 on the IMP K and H mineral claims which is part of the Haslam Creek property.

2.0 CLAIM DATA

The Haslam Creek property consists of the following claims in the Nanaimo, M.D. All claims are owned by Imperial Metals Corporation.

Claim Name	No. of Units	Record No.	Record Date	Expiry Date on Acceptance of Assessment
IMP H	20	1137(4)	April 13	1990
IMP K	20	1246(8)	August 20	1989
IMP S	6	1268(10)	October 21	1989

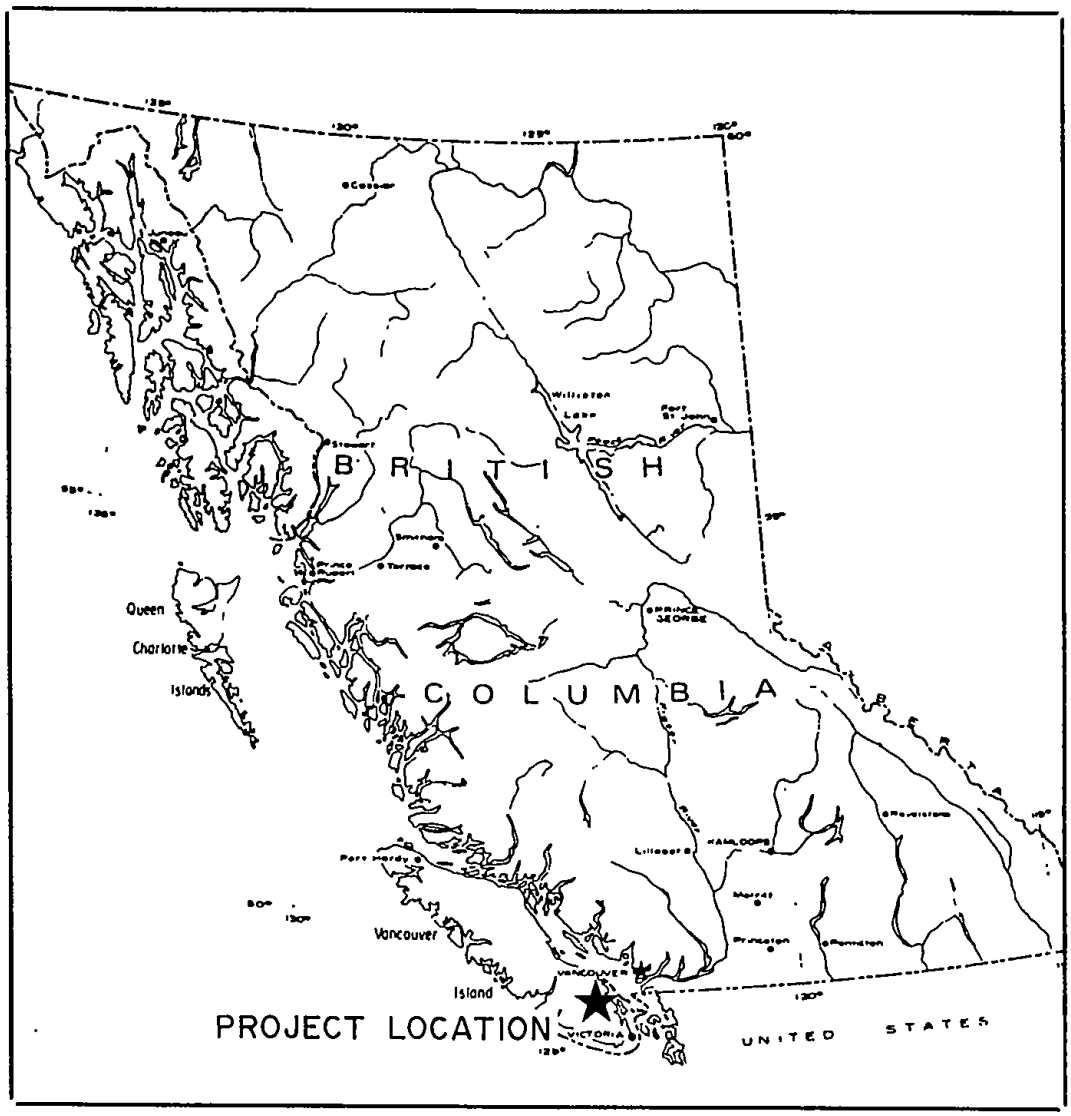
3.0 LOCATION, ACCESS and TOPOGRAPHY

The property is located near the headwaters of Haslam Creek approximately 20km west of the town of Ladysmith on southern Vancouver Island. Access is by logging roads from Ladysmith.

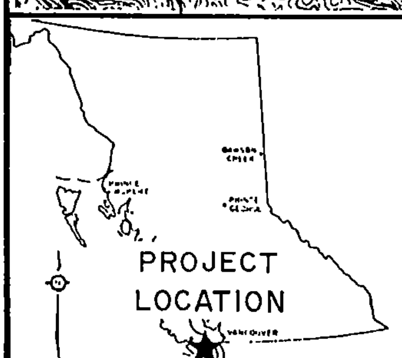
Topography of the IMP K and H claims varies from moderate to steep slopes, with elevations ranging from 600m to 1100m.

4.0 EXPLORATION HISTORY

The central portion of the Haslam Creek property was staked in 1982 with additional staking completed in 1983. The location of claims was largely based on the suspected source of anomalous stream sediments. In 1982 Imperial Metals Corporation contracted Questor Surveys of Toronto to fly an Input EM and magne-



IMPERIAL METALS CORPORATION	
HASLAM CREEK	
FIGURE 1	
REGIONAL MAP	
SCALE:	GEOLOGIST: P. DELANCEY
DATE: NOVEMBER 1988	DRAWN BY: S. HAWORTH



IMPERIAL METALS CORPORATION

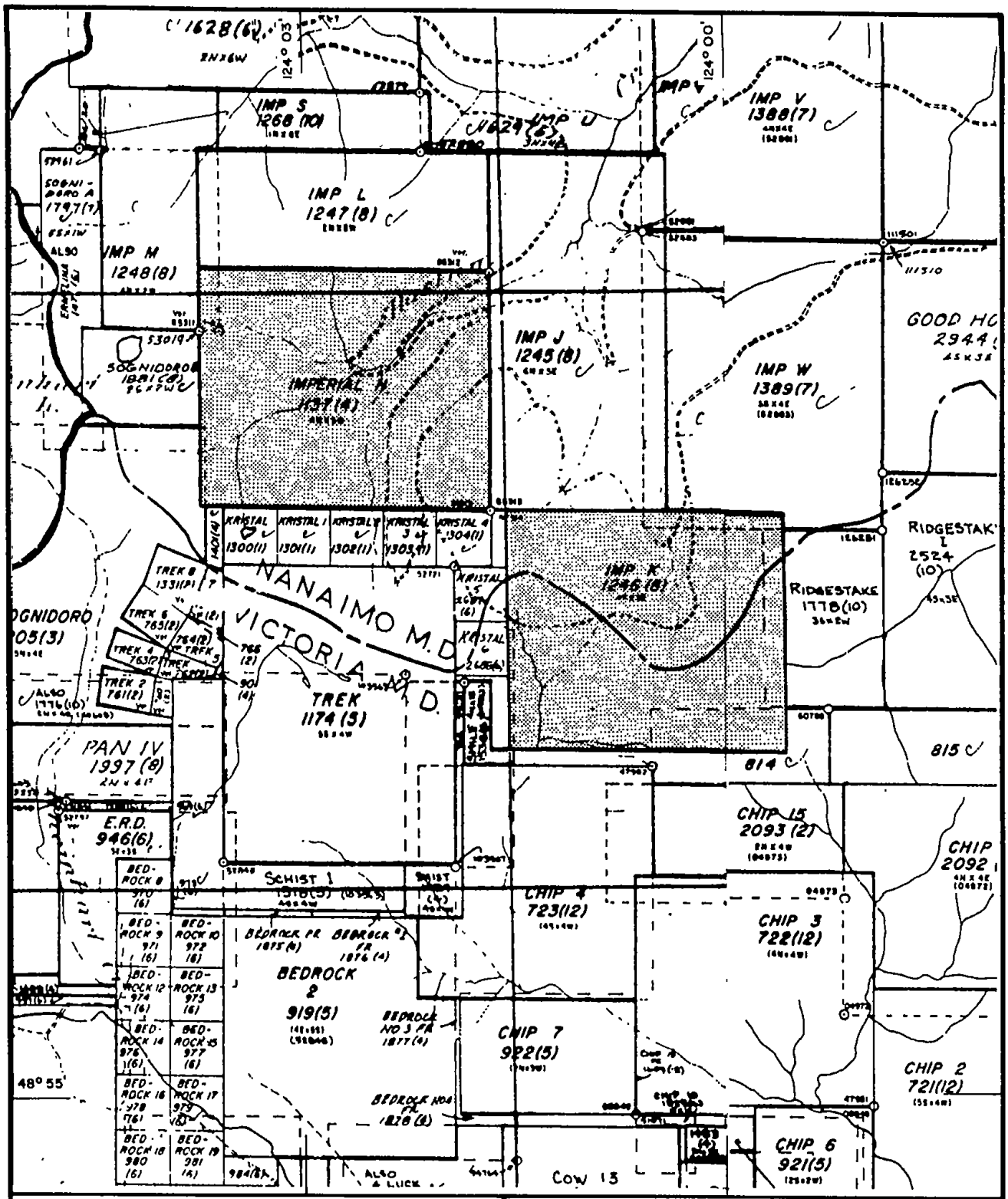
HASLAM CREEK

FIGURE 2 N.T.S. 92C

LOCATION MAP

Km 5 0 5 10 Km

SCALE: 1 : 250 000	*GEOLOGIST:* P. DELANCEY
DATE: NOVEMBER 1988	*DRAWN BY:* S. HAWORTH



IMPERIAL METALS CORPORATION

HASLAM CREEK

FIGURE 3 N.T.S. 92B/13W &C/16E

CLAIM MAP

Km 1 0 1 2 Km

SCALE: 1 : 50 000	GEOLOGIST: P. DELANCEY
DATE: NOVEMBER 1988	DRAWN BY: S. HAWORTH

tometer survey over the IMP H claim. Several EM anomalies were defined. Geological mapping and limited rock chip sampling (33 samples) and soil sampling (109 samples) was completed as a follow up to airborne geophysical survey.

In 1983 a Genie-electromagnetic survey was conducted over the IMP H claim delineating the Input EM anomalies. In addition, grid soil sampling was completed over portions of the IMP H and L claims. Due to encouraging results another airborne Input EM survey was completed over the remainder of the Haslam Creek Property not yet surveyed. Further Input EM anomalies were outlined.

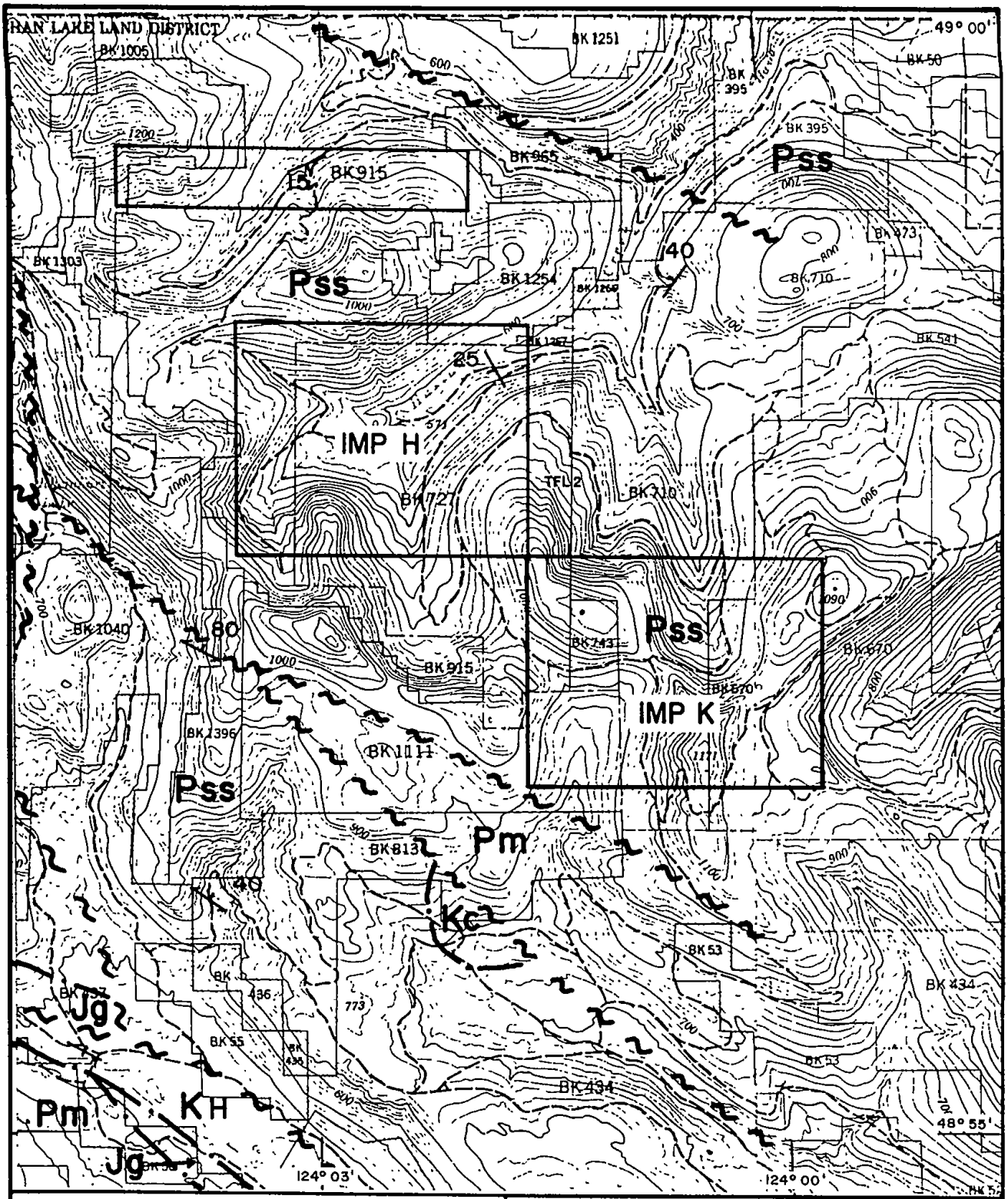
In 1984 two soil grids were established over two of the airborne Input EM anomalies one grid over an Input EM anomaly on the IMP J claim and another grid on an EM anomaly on the IMP L claim. Magnetometer surveys were completed over the same two grids.

In 1985 one of the 1984 soil grids was extended and an additional soil grid established over an Input EM anomaly on the IMP K and W claims. Soil sampling, magnetometer and VLF surveys were completed on both grids.

In 1986, a drill hole tested a combined EM conductor and soil anomaly on the M1 grid. Highly conductive graphitic argillites were intersected near the top of a squence of cherts, tuffs and gabbroic sills. Property mapping suggested the favourable Myra Formation might be exposed along the southern boundary of the claims.

5.0 REGIONAL GEOLOGY

Work by Muller (1982) shows the Haslam Creek area to lie within the Sicker Group, particularly what is described as a sill-sediment unit. This consists of interbedded argillite and siltstone, interlayered with basic sills. Fyles (1955) mapped numerous intertonguing bands of Sicker Group sediments and diabase that he associated with the Karmutsen formation in the upper Haslam Creek area. The sediments of the unit are generally thinly bedded, turbidite like, massive argillite and siltstone that are much silicified and show conspicous dark-light banding on joint faces. Silicification is in part diagenetic and in part a contact reaction with the enclosed diabase sills (Muller, 1980).



LEGEND:

KH	Haslam Formation
Kc	Comox Formation
Jg	Island Intrusions
Pss	Sediment - Silt Unit
Pm	Myra Formation
—·—	Geological Boundary, Approximate
~ ~	Fault, Approximate
— —	Bedding - Inclined, Vertical
⟷	Foliation

IMPERIAL METALS CORPORATION

HASLAM CREEK

FIGURE 4 N.T.S. 92B/13W &C/16E

REGIONAL GEOLOGY

Km 1 0 1 2 Km

SCALE: 1:50 000	GEOLOGIST: P. DELANCEY
DATE: NOVEMBER, 1988	DRAWN BY: S. HAWORTH

6.0 PROPERTY GEOLOGY

The IMP K claims are underlain by the sediment-sill unit that lies within the Sicker Group. The sediments on the property are comprised of several types: well bedded pale grey and green cherty and fine grained tuffs, foliated (kink banded) chlorite sericite schists and phyllites, medium grain grey to black quartz sandstones to green greywacke and intermediate tuffs, carbonaceous to cherty argillites. The gabbro units vary from coarse grain gabbros to basalt and possibly dacite. The gabbros generally form sills, however, the contact relationships are locally more complex.

The volcanic sediments of the area are generally intermediate in composition. Although, much of the sediment is cherty it is believed to be either biogenic chert or later silicification of fine grained sediment rather than rhyolite. This is supported by field evidence and some previous thin section descriptions in previous work reports (Clark, 1984). Jasper beds or lenses were noted in the south west portion of the claim. Mapping along the south boundary of the Imp K claim indicated that the favourable felsic volcanics (Qtz-Py schists) of the Myra formation lie just south of the southwest corner of Imp K (Figure 5).

6.1 Mineralization

There are two classes of epigenetic mineralization exhibited on the property.

Ankeritic zones associated with shearing were noted and sampled (PD-88-1,2,12,22) in both the south west corner and the mid-eastern areas of the claim block. The ankerite zones are of variable widths and orientations and cut both sediments, volcanics and gabbros. No significant geochemical values were reported from samples of these ankeritic zones.

A second type of mineralization consists of pyrite which is locally disseminated along bedded cherty sequences. The pyritic zones appear to be strongly associated with the gabbro units and are probably caused by them. Experience in areas to the north indicates that these pyritic zones do not contain precious metals. Samples taken of these pyritic zones along the south boundary of the Imp K claim, did not have any significant values.

7.0 SOIL GEOCHEMISTRY

Soil samples were collected for four flagged grid lines. Samples were taken of the B horizon at approximately 30cm depth. Although several anomalous values are indicated, no significant anomalous areas were outlined (Figure 5).

8.0 CONCLUSIONS & RECOMMENDATIONS

The IMP K claim is underlain by a sediment-gabbro sill unit of the Paleozoic Sicker Group. Two types of mineralization have been noted. One type is associated with ankeritic shear zones and the other consists of pyritic zones within sedimentary rocks which are likely associated with the gabbro sills. Soil and rock sampling has not indicated any specific areas for follow-up exploration.

9.0 STATEMENT OF QUALIFICATIONS

I, Peter Ross DeLancey, of 1748 Dunbar Street, Vancouver, British Columbia do hereby certify that:

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

2. I have been practising my profession as an exploration geologist since 1967, and have been involved in mining exploration in British Columbia for 18 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, Winnipeg, Manitoba in 1967.

DATED the 9th day of Oct., 1988 at Vancouver, British Columbia.

Peter R. DeLancey, P.Eng.

10.0 ITEMIZED COST STATEMENT

DATES	:	July 18-25, August 5, 1988		
WAGES	:	Senior Geologist, 6 days @ $270/day = $1,620 Field Assistant, 8 days @ $105/day = $ 840		$ 2,460.00
MEALS	:	13 mandays @ $30/day		$ 390.00
ACCOMMODATION	:	8 days @ $50/day		$ 400.00
TRANSPORTATION	:	8 days @ $60/day		$ 480.00
GEOCHEMISTR	:	148 soils @ $15/sample = $2,220 10 rocks @ $15/sample = $ 150		$ 2,370.00
REPORT PREPARATION	:	2 days @ $270/day = $ 540 1 day @ $150/day = $ 150		$ 690.00
TOTAL	:			$ 6,790.00

11.0 REFERENCES

Baknes, M. and Gorc, D.; November 1987 "Assessment Report - Geological and Geochemical, Haslam Property", Imperial Metals Corporation

Clark, A.M.S.; October 1984 "Assessment Report - Geochemistry and Geophysics - Haslam Group" Imperial Metals Corporation

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De Carle, R.; 1983 "Input EM Report on the Haslam Creek Property" Questor Surveys, Toronto, Ontario

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Quin, S. May 1984 "Geophysical Report on the Haslam Creek Claims - IMP T, U, V, W" Imperial Metals Corporation

Fyles, J.; 1955 "Geology of the Cowichan Lake Area, B.C." (B.C. Dept. of Mines Bulletin 37) G.S.C. Paper 79-30

Muller, J.; 1982 "The Paleozoic Sicker Group of Vancouver Island, B.C." Open File #821, Geological Survey of Canada

Quin, S.P.; November 1983 "Progress Report - Haslam Creek Property" Imperial Metals Corporation

Walcott, P.; January 1985 "A Report of Electromagnetic Survey - October 16-28, 1984" Peter Walcott and Associates

APPENDIX I

Geochemical Laboratory Methodology

GEOCHEMICAL LABORATORY METHODOLOGY

Appendix I

Sample Preparation

1. Soil samples are dried at 60°C and sieved to -80 mesh.

2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis (AA and ICP)

0.5 gram samples are digested in hot dilute aqua regia in a boiling water bath and diluted to 10ml with demineralized water. Extracted metals are determined by:

1. Atomic Absorption (AA)

   Ag*, Bi*, Cd*, Co, Cu, Fe, Ga, In, Mn, Mo, Ni, Pb, Sb*, Tl, V, Zn (*denotes with background correction).

2. Inductively Coupled Argon Plasma (ICP)

   Ag, Al, As, Au, B, Ba, Bi, Ca, Dc, Co, Cu, Cr, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Geochemical Analysis for Au

10.0 gram samples that have been ignited overnight at 600°C are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction. (Detection Limit = 5ppb direct AA and 1ppb grahite AA.)

APPENDIX II

Geochemical Results

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

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: JUL 25 1988 DATE REPORT MAILED: Aug 2/88 ASSAYER. C. Leong D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

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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
9900E 10800N	2	33	14	104	.6	25	7	687	7.93	17	5	ND	2	9	1	4	2	111	.11	.085	16	26	.47	59	.14	5	2.34	.01	.04	1	2
9900E 10775N	2	78	2	139	.3	37	14	918	10.94	27	5	ND	3	8	1	2	4	97	.09	.186	14	38	.79	64	.13	3	3.41	.01	.05	1	32
9900E 10750N	1	36	26	98	.8	19	9	855	8.69	19	5	ND	2	10	1	4	2	121	.10	.143	14	29	.45	93	.16	3	2.58	.01	.05	1	1
9900E 10725N	2	57	18	172	1.4	39	22	1322	6.29	20	5	ND	1	9	1	4	3	86	.12	.087	28	24	.32	168	.04	5	3.08	.01	.04	1	2
9900E 10700N	3	78	41	152	2.0	35	67	6029	8.43	36	5	ND	1	6	1	2	4	60	.06	.165	19	25	.23	92	.04	5	4.09	.01	.05	1	6
9900E 10675N	1	46	16	128	.3	28	10	1319	8.72	46	5	ND	2	6	1	2	4	81	.05	.134	22	17	.21	73	.02	4	1.71	.01	.04	1	3
9900E 10650N	3	82	45	173	2.0	48	25	4923	9.78	47	5	ND	1	8	1	2	3	63	.12	.226	21	23	.22	95	.01	9	1.97	.01	.05	1	15
9900E 10625N	3	77	27	156	.9	56	22	4599	9.17	90	5	ND	1	13	1	3	2	76	.26	.278	27	35	.52	81	.09	5	2.96	.01	.06	1	9
9900E 10600N	3	24	21	93	.2	27	7	4308	6.81	32	5	ND	1	6	1	2	2	90	.05	.135	17	20	.18	55	.06	2	1.70	.01	.04	1	3
9900E 10575N	5	131	21	126	1.7	34	35	14487	4.77	21	5	ND	1	8	1	2	2	46	.07	.174	17	26	.41	133	.03	7	3.52	.01	.05	1	7
9900E 10550N	3	31	15	95	.4	27	5	652	4.64	11	5	ND	1	6	1	2	2	84	.06	.112	26	13	.09	48	.05	9	1.02	.01	.04	1	6
9900E 10525N	2	77	22	191	.6	53	17	1367	8.54	31	5	ND	3	7	1	2	2	64	.06	.081	18	47	.98	101	.09	7	3.78	.01	.05	1	9
9900E 10500N	2	49	21	283	.9	57	11	1473	7.92	30	5	ND	3	6	1	2	2	78	.05	.123	26	40	.53	106	.04	2	3.26	.01	.04	1	6
9900E 10475N	3	73	24	182	1.6	39	27	6300	6.92	27	5	ND	1	6	1	2	2	57	.07	.195	15	41	.45	97	.04	7	4.09	.01	.04	1	4
9900E 10450N	1	79	17	139	1.7	34	16	7643	5.07	22	5	ND	1	8	1	2	2	44	.09	.149	20	35	.49	115	.02	13	4.06	.01	.04	1	5
9900E 10425N	2	50	15	105	.4	31	8	1111	5.88	22	5	ND	1	7	1	3	4	59	.04	.122	16	18	.15	90	.02	5	1.94	.01	.05	1	8
9900E 10400N	2	61	16	82	.3	23	8	1062	5.04	12	5	ND	1	6	1	2	2	65	.03	.069	17	19	.27	91	.04	4	2.21	.01	.04	1	5
9900E 10375N	2	90	20	195	.7	50	9	1018	8.38	33	5	ND	1	5	1	2	3	60	.05	.110	16	29	.58	95	.06	8	3.75	.01	.04	1	11
9900E 10350N	1	69	19	153	.2	45	12	1529	7.25	29	5	ND	2	5	1	2	3	60	.04	.107	15	27	.62	113	.04	3	2.95	.01	.05	1	4
9900E 10325N	2	54	32	100	.1	36	10	1063	8.38	34	5	ND	2	8	1	2	3	67	.04	.127	21	18	.20	127	.02	2	2.27	.01	.04	1	5
9900E 10300N	1	31	15	70	.1	28	5	415	4.13	21	5	ND	1	6	1	2	3	89	.04	.079	17	13	.16	141	.03	3	1.60	.01	.03	1	7
9900E 10275N	2	32	17	83	.3	22	6	655	9.56	22	5	ND	1	7	1	2	2	124	.06	.120	11	25	.22	109	.11	4	2.27	.01	.04	1	3
9900E 10250N	2	219	14	98	2.6	31	19	3869	3.51	8	5	ND	1	8	1	2	2	36	.07	.143	14	27	.32	123	.02	4	3.01	.01	.04	1	2
9900E 10225N	1	52	13	115	.6	34	10	1733	7.12	19	5	ND	1	5	1	2	2	68	.05	.111	12	26	.51	79	.04	7	2.63	.01	.05	1	2
9900E 10200N	1	25	13	56	.5	11	4	288	4.77	5	5	ND	1	3	1	2	5	71	.03	.057	22	13	.19	69	.02	2	1.74	.01	.03	1	1
9900E 10175N	2	115	29	248	.7	63	47	3069	10.43	23	5	ND	3	4	1	2	3	59	.03	.160	20	31	.54	56	.03	10	4.38	.01	.05	1	23
9900E 10150N	1	72	18	133	.1	42	9	1351	7.69	23	5	ND	2	5	1	2	2	62	.03	.086	15	28	.88	88	.04	2	3.12	.01	.05	1	6
9900E 10125N	2	47	2	155	.7	32	12	929	11.11	25	5	ND	3	6	1	2	4	92	.03	.114	12	34	.41	87	.05	6	3.19	.01	.06	1	3
9900E 10100N	2	103	19	175	.3	73	10	985	6.72	34	5	ND	3	5	1	2	3	56	.03	.044	13	41	.98	105	.04	3	4.01	.01	.03	1	7
9900E 10075N	1	61	21	101	.2	38	9	847	7.37	13	5	ND	2	6	1	2	2	104	.03	.085	13	95	.91	82	.06	4	4.09	.01	.04	1	5
9900E 10050N	2	107	18	125	1.4	52	9	1130	3.68	8	5	ND	1	9	1	2	2	54	.07	.087	17	61	.92	118	.05	2	3.55	.01	.05	1	18
9900E 10025N	1	19	18	71	.2	18	6	328	8.64	11	5	ND	2	6	1	2	4	124	.05	.105	11	43	.36	57	.10	4	2.03	.01	.04	1	2
9900E 10000N	2	59	18	129	.1	37	14	966	8.57	21	5	ND	1	6	1	2	2	84	.07	.064	13	58	.95	95	.12	9	3.36	.01	.04	1	1
10000E 10800N	1	41	21	83	.1	22	7	1649	4.70	19	5	ND	1	7	1	2	2	60	.04	.076	17	18	.19	70	.03	6	1.59	.01	.03	1	3
10000E 10775N	9	83	30	188	.1	57	22	13072	9.12	25	5	ND	1	4	1	2	3	55	.03	.150	21	23	.55	90	.02	6	2.58	.01	.05	1	6
10000E 10750N	4	49	25	121	.2	37	8	1678	7.67	21	5	ND	3	8	1	2	3	95	.11	.113	23	25	.26	93	.07	3	1.77	.01	.05	1	4
STD C/AU-S	17	57	37	132	7.1	67	27	1091	4.04	38	17	7	37	47	17	17	18	56	.46	.084	39	56	.91	171	.06	31	1.91	.06	.13	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
10000E 10725N	1	71	23	122	.1	36	12	1086	9.88	37	5	ND	2	5	1	2	2	141	.03	.103	10	38	.52	49	.06	2	2.71	.01	.03	1	1
10000E 10700N	1	30	20	81	.1	31	7	611	5.17	31	5	ND	1	4	1	3	2	112	.02	.063	6	16	.15	60	.05	2	2.08	.01	.02	1	1
10000E 10675N	1	35	23	52	.6	16	4	327	2.32	21	5	ND	1	5	1	2	2	54	.03	.044	14	16	.13	80	.03	2	1.91	.01	.04	3	4
10000E 10650N	1	59	27	132	.1	65	11	1245	8.34	47	5	ND	1	4	1	2	2	66	.01	.119	29	17	.17	48	.03	2	1.46	.01	.03	1	5
10000E 10625N	1	35	26	83	.1	25	12	16088	5.91	22	5	ND	1	4	1	2	2	56	.02	.120	34	25	.05	130	.02	5	1.55	.01	.03	1	10
10000E 10600N	2	28	17	95	.1	36	7	1434	5.62	48	5	ND	1	4	1	2	3	74	.02	.082	21	12	.07	46	.03	2	.73	.01	.04	1	1
10000E 10575N	2	45	24	91	.1	30	8	1956	6.10	35	5	ND	1	6	1	2	2	62	.02	.122	21	21	.30	71	.04	5	1.87	.01	.03	1	1
10000E 10550N	1	45	28	96	.1	24	12	5932	8.47	42	5	ND	1	4	1	2	2	75	.02	.256	14	23	.22	70	.03	2	1.92	.01	.04	1	3
10000E 10525N	1	73	25	143	.1	48	14	5775	7.19	53	5	ND	1	5	1	2	4	46	.04	.161	16	31	.52	93	.02	2	2.55	.01	.04	1	5
10000E 10500N	1	52	27	79	1.8	23	11	5419	3.69	8	5	ND	3	4	1	2	2	43	.02	.232	10	84	.83	41	.04	4	4.72	.01	.03	1	8
10000E 10475N	1	7	4	17	.1	4	1	178	.66	5	5	ND	1	3	1	3	2	14	.01	.023	29	6	.03	54	.01	3	.61	.01	.01	1	1
10000E 10450N	3	36	23	88	.5	29	8	1643	6.78	15	5	ND	2	5	1	2	2	60	.02	.129	30	35	.23	54	.03	2	1.93	.01	.05	1	5
10000E 10425N	1	41	23	95	.1	29	13	6873	7.60	33	5	ND	1	7	1	3	2	64	.05	.150	13	24	.26	59	.02	2	1.61	.01	.04	1	3
10000E 10400N	1	30	25	76	.1	24	9	5712	7.63	31	5	ND	1	5	1	2	2	74	.02	.197	13	21	.14	77	.03	2	1.68	.01	.03	1	3
10000E 10375N	2	48	22	114	.3	36	10	2862	7.30	34	5	ND	1	4	1	2	2	54	.02	.109	14	27	.51	64	.02	2	2.23	.01	.03	1	14
10000E 10350N	1	34	26	54	.1	20	11	12931	5.66	13	5	ND	1	7	1	2	2	59	.03	.152	11	15	.06	177	.02	2	1.55	.01	.03	1	1
10000E 10325N	1	21	24	63	.2	18	7	993	7.53	17	5	ND	2	4	1	2	2	103	.02	.102	10	20	.14	83	.09	2	1.90	.01	.03	1	1
10000E 10300N	1	20	13	42	.1	17	4	312	3.21	14	7	ND	1	3	1	2	3	81	.04	.062	13	10	.07	45	.03	2	1.05	.01	.03	1	1
10000E 10275N	1	45	25	119	1.2	43	16	5192	5.86	14	5	ND	1	4	1	2	2	100	.04	.134	11	31	.59	85	.14	2	4.07	.01	.04	1	1
10000E 10250N	1	27	28	106	.1	26	9	1364	9.86	17	5	ND	1	4	1	2	2	93	.02	.142	9	32	.49	77	.14	2	2.80	.01	.04	1	1
10000E 10225N	1	25	21	82	.3	22	8	1276	7.06	9	5	ND	1	3	1	2	3	123	.03	.093	10	26	.29	73	.13	3	2.43	.01	.04	1	1
10000E 10200N	2	40	22	97	.1	28	10	1648	8.06	11	5	ND	2	5	1	2	2	84	.04	.138	13	50	.49	99	.09	6	2.67	.01	.04	1	1
10000E 10175N	1	48	25	87	.2	24	8	1688	7.30	13	5	ND	1	4	1	2	2	69	.04	.141	13	46	.44	58	.06	2	2.96	.01	.05	1	1
10000E 10150N	1	114	29	175	.1	72	16	2345	7.37	22	5	ND	4	3	1	2	2	64	.01	.133	15	37	.87	129	.03	8	5.23	.01	.02	1	12
10000E 10125N	1	43	23	96	.3	35	9	1267	6.55	18	5	ND	1	5	1	2	2	73	.04	.087	13	30	.62	91	.03	2	2.24	.01	.04	1	3
10000E 10100N	1	43	21	98	.1	57	8	794	5.22	12	5	ND	2	4	1	3	4	79	.02	.046	16	89	1.23	93	.02	5	2.65	.01	.03	1	1
10000E 10075N	1	78	33	153	.4	64	14	2710	6.36	29	5	ND	1	5	1	2	2	60	.02	.111	17	31	.88	126	.03	2	2.48	.01	.03	1	1
10000E 10050N	1	41	27	53	.1	10	5	618	2.49	3	5	ND	1	7	1	4	2	46	.10	.078	8	15	.27	84	.08	4	1.37	.01	.02	2	3
10000E 10025N	1	24	19	44	.2	18	5	332	3.91	8	5	ND	2	4	1	3	2	73	.03	.075	10	22	.26	55	.11	5	1.33	.01	.02	3	4
10000E 10000N	1	24	22	58	.1	35	8	487	6.61	14	5	ND	1	6	1	2	2	114	.04	.075	13	72	.62	94	.08	2	2.29	.01	.03	1	1
R-0	2	39	28	86	.1	23	21	1222	6.46	7	5	ND	1	20	1	2	2	128	.37	.054	10	41	.61	74	.29	2	3.45	.01	.04	1	1
R-25	1	90	19	83	.1	34	12	499	4.88	2	5	ND	2	16	1	2	5	100	.35	.069	7	45	1.06	87	.27	2	4.61	.02	.05	1	1
R-50	1	36	20	66	.1	21	11	421	7.73	2	5	ND	2	13	1	2	2	156	.21	.076	5	39	.58	58	.37	4	3.10	.01	.04	1	3
R-75	1	53	20	79	.1	20	13	454	5.37	2	5	ND	1	17	1	2	2	119	.38	.063	6	32	.62	68	.30	3	3.11	.01	.05	1	1
R-100	1	43	20	70	.2	26	10	457	5.29	2	5	ND	1	11	1	2	2	112	.23	.101	6	46	.70	83	.25	4	3.78	.01	.05	1	1
R-125	1	51	19	70	.1	26	11	611	4.79	2	5	ND	2	12	1	2	2	111	.28	.078	5	35	.85	122	.26	3	3.48	.01	.06	1	1
STD C/AU-S	18	58	39	132	7.1	68	28	1096	4.06	38	16	7	36	47	17	16	20	57	.46	.085	39	55	.91	171	.06	32	1.95	.06	.13	13	52

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	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
R-150	2	70	21	85	.2	38	13	729	4.83	2	5	ND	1	11	1	3	2	98	.24	.053	9	42	1.15	143	.26	4	6.13	.02	.07	2	2
R-175	1	50	18	70	.5	27	10	589	6.02	2	6	ND	1	12	1	3	2	111	.25	.045	8	45	1.07	120	.27	2	4.89	.02	.08	1	3
R-200	1	47	13	83	.4	28	19	664	5.75	2	5	ND	1	16	1	2	2	113	.37	.041	9	45	.86	101	.26	2	3.66	.02	.06	1	1
R-225	1	129	21	90	.2	51	24	811	4.65	7	5	ND	1	21	1	2	2	90	.51	.074	11	47	1.31	193	.20	4	4.17	.02	.11	3	2
R-250	1	189	20	111	.2	55	29	1215	5.08	2	5	ND	1	18	1	4	2	86	.36	.073	13	48	1.37	200	.15	3	5.24	.02	.07	1	2
R-275	1	102	13	89	.3	63	18	655	4.74	5	5	ND	1	22	1	2	9	83	.52	.040	10	48	1.42	144	.18	2	4.15	.02	.07	1	3
R-300	2	72	16	115	.5	25	27	1008	8.59	2	5	ND	1	7	1	2	7	130	.14	.153	6	50	.74	61	.19	2	5.10	.01	.02	1	1
R-325	1	37	21	176	.2	16	30	1133	10.06	2	5	ND	1	22	1	2	7	131	.51	.323	13	16	1.54	127	.27	7	4.47	.01	.34	1	1
R-350	1	115	16	114	.2	52	25	1133	5.64	6	5	ND	1	16	1	2	2	97	.31	.130	9	48	1.52	188	.21	5	4.26	.02	.12	1	2
R-375	1	10	18	161	.1	2	44	1244	12.36	8	5	ND	1	37	1	2	3	227	.97	.298	24	1	2.16	69	.43	2	4.99	.04	.34	1	1
R-400	1	115	17	92	.3	51	23	1041	5.67	4	5	ND	1	19	1	2	2	98	.40	.085	10	59	1.58	142	.22	6	4.12	.02	.10	1	1
R-425	1	91	25	106	.2	54	21	890	6.01	2	5	ND	1	13	1	2	2	102	.25	.138	9	57	1.34	119	.21	3	4.99	.02	.06	1	2
R-450	1	129	18	107	.1	53	24	1072	5.65	4	5	ND	1	16	1	2	5	100	.39	.079	9	61	1.62	153	.22	2	4.45	.02	.09	1	2
R-475	1	112	25	114	.4	75	38	1424	7.58	7	5	ND	1	22	1	2	2	135	.22	.129	7	87	2.36	105	.35	7	5.93	.01	.09	1	1
R-500	1	152	14	92	.1	60	31	991	5.62	5	5	ND	1	33	1	2	5	115	.58	.110	8	54	1.59	138	.28	2	3.62	.02	.14	1	1
R-525	1	94	18	94	.4	47	23	742	6.67	3	7	ND	1	20	1	2	4	122	.27	.126	8	60	1.26	115	.31	4	4.63	.01	.07	1	1
R-550	1	135	20	110	.3	79	34	997	6.82	2	5	ND	1	32	1	2	10	113	.44	.089	8	84	2.17	133	.31	4	5.05	.01	.11	2	1
R-575	1	109	16	91	.2	83	28	521	7.19	2	5	ND	1	36	1	2	2	96	.28	.331	6	128	2.13	60	.29	3	6.41	.01	.02	1	1
R-600	1	180	22	112	.3	109	39	734	7.57	2	5	ND	1	39	1	2	2	112	.41	.116	8	92	3.37	99	.41	2	6.11	.01	.10	1	2
R-625	1	35	13	72	.2	9	12	581	5.40	2	5	ND	1	5	1	2	2	159	.08	.056	3	16	.59	54	.14	3	3.68	.01	.02	1	1
R-650	1	164	16	144	.4	246	69	1236	8.82	2	5	ND	1	58	1	2	2	112	.97	.094	7	332	4.48	88	.48	2	6.35	.01	.03	1	1
R-675	2	132	18	114	.5	23	77	3253	7.42	5	5	ND	1	33	1	2	2	61	.43	.105	8	23	.85	148	.10	4	5.58	.01	.03	1	1
R-700	1	91	18	152	.3	36	62	1497	8.44	10	5	ND	1	23	1	2	2	101	.59	.094	7	30	1.10	45	.10	6	5.42	.01	.02	1	2
R-725	1	98	18	121	.3	56	29	748	5.74	2	5	ND	1	21	1	2	2	97	.36	.043	6	55	1.61	251	.28	2	4.39	.02	.05	1	3
R-750	1	87	23	121	.4	32	25	536	6.65	2	5	ND	1	12	1	2	3	110	.17	.044	7	45	1.00	81	.31	3	4.47	.01	.03	1	1
R-775	1	63	12	104	.1	24	20	523	6.79	5	5	ND	1	22	1	2	5	102	.30	.095	4	31	.94	76	.25	3	4.00	.01	.04	1	1
R-800	1	83	18	99	.2	37	27	820	5.74	2	5	ND	1	25	1	2	2	96	.46	.076	7	42	1.25	113	.22	2	4.48	.01	.05	1	1
R-825	1	140	13	110	.3	63	33	1447	6.69	5	5	ND	1	21	1	2	2	117	.35	.093	9	59	1.94	177	.26	2	5.13	.02	.12	1	2
R-850	1	115	15	118	.3	33	32	1266	8.48	2	5	ND	1	48	1	2	2	132	1.08	.178	14	35	2.05	280	.29	2	5.04	.05	.41	1	1
R-875	9	100	26	104	.4	36	27	1208	7.35	6	5	ND	1	17	1	2	2	107	.30	.090	11	44	1.07	122	.27	5	4.43	.02	.07	1	1
R-900	1	109	16	105	.3	46	25	1026	6.13	2	5	ND	1	26	1	2	2	107	.55	.096	10	48	1.66	192	.28	6	4.62	.03	.13	1	2
R-925	1	142	16	126	.2	40	33	1658	5.73	9	5	ND	1	19	1	2	2	98	.41	.129	9	42	1.34	146	.20	4	3.66	.01	.04	1	1
R-950	2	293	26	179	.8	36	41	3810	5.95	16	5	ND	1	80	1	2	2	83	2.43	.802	30	30	1.34	178	.11	5	4.46	.01	.06	1	1
R-975	1	152	18	103	.5	50	30	1427	6.04	13	5	ND	1	26	1	2	2	95	.53	.103	12	58	1.72	189	.19	6	3.99	.01	.09	1	2
R-1000	1	149	21	99	.3	55	29	1398	6.69	8	5	ND	1	29	1	2	2	105	.45	.074	13	59	2.00	267	.21	2	4.20	.01	.10	1	1
R1-0	1	81	16	80	.3	50	21	619	5.70	3	5	ND	1	25	1	3	2	105	.40	.176	12	82	1.76	62	.34	4	4.02	.01	.08	1	1
STD C/AU-S	18	58	38	127	7.1	66	29	1074	3.98	38	17	8	37	47	17	17	18	55	.45	.087	38	55	.90	175	.06	33	1.93	.06	.14	12	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
R1-25	1	72	10	74	.2	37	17	510	5.53	2	5	ND	1	15	1	2	2	100	.21	.310	12	94	1.26	49	.27	2	5.98	.01	.03	1	7
R1-50	1	77	9	78	.1	48	16	447	5.53	3	5	ND	2	16	1	2	2	97	.28	.190	9	102	1.48	48	.25	3	5.72	.01	.04	1	3
R1-75	1	77	11	78	.2	48	22	908	5.33	3	5	ND	1	24	1	2	2	112	.45	.099	9	92	1.56	89	.30	2	3.53	.01	.06	2	3
R1-100	1	76	12	77	.2	51	20	703	5.18	5	5	ND	1	24	1	2	2	104	.47	.099	10	90	1.57	71	.29	2	3.58	.01	.05	1	2
R1-125	1	106	11	88	.1	67	25	858	5.65	2	5	ND	2	39	1	2	2	105	.66	.138	14	111	2.21	99	.26	2	3.66	.01	.07	1	1
R1-150	1	53	9	87	.1	42	22	1015	5.37	2	5	ND	1	22	1	2	2	113	.42	.062	9	80	1.40	91	.31	2	3.29	.01	.05	1	9
R1-175	1	44	14	97	.5	34	16	427	6.55	2	5	ND	1	21	1	2	2	134	.34	.052	8	79	1.17	98	.39	2	3.64	.01	.03	1	2
R1-200	1	70	14	85	.2	48	26	1186	5.29	2	5	ND	1	30	1	3	2	110	.55	.085	11	88	1.54	105	.28	2	3.26	.01	.08	1	3
R1-225	1	60	14	96	.1	49	25	1165	5.36	3	5	ND	1	20	1	2	2	113	.40	.056	8	81	1.32	121	.27	2	3.89	.02	.04	1	3
R1-250	1	62	11	79	.1	41	21	842	4.39	2	5	ND	1	22	1	2	2	106	.44	.060	9	66	1.29	117	.26	3	3.71	.02	.04	1	4
R1-275	1	68	13	77	.1	52	20	521	4.14	2	5	ND	1	35	1	2	2	87	.63	.094	10	81	1.60	66	.24	4	3.48	.01	.05	1	3
R1-300	1	59	14	96	.2	53	21	629	5.70	2	5	ND	1	20	1	2	2	115	.36	.041	6	98	1.69	67	.35	2	3.51	.01	.03	1	6
R1-325	1	122	10	68	.3	51	22	533	4.50	2	5	ND	1	31	1	2	2	94	.68	.077	9	102	1.64	95	.24	5	3.15	.02	.01	1	5
R1-350	1	151	11	71	.1	50	21	858	4.35	2	5	ND	1	33	1	2	2	94	.66	.083	9	74	1.57	149	.21	2	3.11	.02	.06	2	4
R1-375	1	124	5	94	.2	47	23	897	4.25	3	5	ND	1	47	1	2	2	93	1.07	.065	9	75	1.48	149	.19	4	3.90	.03	.06	1	3
R1-400	1	63	11	82	.2	29	12	438	5.38	4	5	ND	1	17	1	2	3	132	.31	.062	10	53	.73	119	.21	4	4.09	.01	.04	1	4
R1-425	1	93	7	65	.1	36	16	603	3.80	2	5	ND	1	23	1	2	2	92	.57	.087	9	46	1.11	125	.21	4	2.98	.02	.04	1	5
R1-450	1	85	10	65	.1	40	19	609	3.84	4	5	ND	1	25	1	2	2	94	.62	.077	9	59	1.22	101	.22	3	3.28	.03	.04	1	8
R1-475	1	77	16	84	.1	40	22	918	4.48	2	5	ND	1	25	1	2	2	109	.55	.090	9	56	1.17	136	.21	2	3.39	.02	.06	1	53
R1-500	1	62	9	65	.1	33	13	390	4.40	2	5	ND	1	17	1	2	2	104	.45	.080	7	50	1.05	67	.24	2	3.69	.02	.04	1	7
R1-525	1	77	13	84	.2	35	15	609	4.56	3	5	ND	1	17	1	2	2	115	.41	.087	9	40	1.10	156	.20	3	3.63	.02	.07	1	5
R1-550	1	62	10	70	.2	23	10	289	4.88	6	5	ND	1	9	1	4	2	109	.19	.237	10	51	.65	66	.16	4	6.90	.01	.02	1	9
R1-575	1	66	10	83	.1	37	15	463	4.88	2	5	ND	1	19	1	3	2	111	.46	.083	8	51	1.16	98	.24	5	3.63	.02	.05	1	3
R1-600	1	101	15	70	.2	44	21	685	4.48	2	5	ND	1	25	1	2	3	110	.67	.084	10	65	1.49	133	.24	3	3.71	.03	.09	1	5
R1-625	1	83	12	68	.1	41	18	590	4.47	2	5	ND	1	38	1	2	3	112	.69	.070	9	62	1.25	119	.27	3	3.18	.03	.05	1	4
R1-650	1	90	11	78	.1	48	22	640	4.66	2	5	ND	1	34	1	2	2	115	.70	.045	10	67	1.40	360	.28	2	3.33	.03	.06	1	4
R1-675	1	101	9	69	.1	53	20	609	4.44	2	5	ND	1	40	1	3	3	105	.84	.065	8	75	1.46	193	.27	3	3.05	.04	.03	1	30
R1-700	1	72	10	59	.1	33	13	524	3.86	2	5	ND	1	24	1	2	2	99	.58	.101	9	51	1.18	98	.23	2	3.22	.03	.05	1	5
R1-725	1	72	7	67	.1	49	18	542	4.24	2	5	ND	1	22	1	2	2	103	.53	.073	8	83	1.47	75	.26	2	3.21	.02	.03	1	7
R1-750	1	67	11	70	.3	57	22	591	4.40	2	5	ND	1	25	1	5	2	103	.58	.073	9	92	1.61	91	.23	2	3.45	.02	.05	1	3
R1-775	1	65	12	81	.1	33	15	473	5.04	5	5	ND	1	14	1	2	3	129	.28	.054	7	52	.90	89	.25	2	4.13	.02	.04	1	23
R1-800	1	62	16	111	.4	41	49	1709	4.70	2	5	ND	1	17	1	2	3	115	.32	.053	16	43	.89	155	.22	2	3.79	.02	.05	1	3
R1-825	1	70	13	82	.1	42	19	508	4.27	6	5	ND	1	17	1	2	3	93	.41	.072	11	56	1.18	130	.22	2	4.13	.02	.05	2	9
R1-850	1	76	10	67	.1	37	22	822	4.40	5	5	ND	1	31	1	2	2	103	.78	.076	10	54	1.26	116	.23	2	2.73	.04	.06	1	6
R1-875	1	76	3	71	.1	41	19	628	4.09	2	5	ND	1	37	1	2	2	96	.95	.083	10	60	1.29	190	.25	3	2.55	.04	.07	1	3
R1-900	1	72	5	60	.1	39	16	534	3.53	4	5	ND	1	29	1	2	2	93	.69	.079	8	72	1.36	112	.27	3	2.64	.02	.04	1	1
STD C/AU-S	17	57	38	132	7.1	67	29	1083	4.06	36	16	7	36	47	17	17	18	57	.46	.090	39	57	.91	173	.06	34	1.97	.06	.14	12	50

IMPERIAL METALS CORP. PROJECT 4204 FILE # 88-2986

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
R1-925	1	94	7	83	.2	53	20	659	4.71	3	5	ND	2	36	1	2	2	108	.67	.062	9	75	1.51	145	.27	3	3.18	.03	.06	1	1
R1-950	1	62	11	69	.3	35	13	410	4.63	2	5	ND	1	19	1	2	2	113	.38	.057	8	59	1.02	85	.30	5	3.81	.02	.04	1	1
R1-975	1	64	7	60	.2	43	18	482	3.97	5	5	ND	1	24	1	2	2	97	.58	.082	8	78	1.31	66	.30	5	3.11	.02	.03	1	2
R1-1000	1	35	18	62	.3	22	12	360	4.86	2	5	ND	2	17	1	2	2	134	.30	.050	6	46	.71	56	.34	2	2.55	.01	.04	1	1
STD C/AU-S	17	60	41	132	7.1	68	28	1089	4.07	39	19	8	37	48	17	18	22	57	.46	.089	39	56	.92	174	.06	33	1.98	.06	.13	12	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
PD-88-1	1	153	14	108	.1	69	31	1605	7.37	102	5	ND	1	139	1	2	2	147	4.69	.046	7	78	2.20	115	.01	2	1.70	.01	.04	1	1
PD-88-2	1	52	11	90	.4	24	9	1718	4.74	13	5	ND	1	8	1	2	3	64	.27	.013	4	26	1.85	117	.27	3	2.49	.01	.06	1	1
PD-88-5	1	74	10	113	.1	40	11	1469	3.98	9	5	ND	2	5	1	2	3	30	.08	.030	10	16	.54	157	.01	3	1.25	.01	.06	1	4
PD-88-12	1	126	19	106	.1	39	40	1371	10.18	66	5	ND	1	213	1	2	2	275	5.95	.109	19	1	2.19	61	.01	2	.55	.01	.04	1	1
PD-88-19	1	42	8	59	.1	10	15	1094	5.75	3	5	ND	1	6	1	2	2	36	.12	.025	3	8	.72	30	.05	2	1.08	.02	.06	1	1
PD-88-22	1	105	6	78	.1	16	18	2318	5.77	2	5	ND	1	134	1	2	5	147	5.34	.110	12	15	1.62	230	.02	2	1.82	.02	.03	1	1
PD-88-28a	1	170	22	124	.2	17	28	969	7.74	31	5	ND	1	42	1	2	2	33	2.99	.119	7	7	1.62	23	.01	2	1.96	.02	.13	1	1
PD-88-28b	1	18	30	269	.2	7	12	560	6.74	4	5	ND	2	10	1	2	2	17	.22	.138	9	5	.72	43	.01	2	1.45	.02	.09	1	1
PD-88-29a	1	25	36	167	2.6	10	23	442	10.69	20	5	ND	1	7	1	2	2	32	.13	.114	3	6	1.19	30	.01	2	1.82	.02	.11	1	4
PD-88-29b	1	149	30	131	.2	4	14	121	21.49	19	5	ND	5	4	1	5	7	12	.01	.198	5	1	.11	31	.01	2	.66	.01	.19	1	1
STD C/AU-R	19	59	37	132	6.5	67	31	1042	4.08	39	17	7	36	48	17	17	22	58	.46	.084	40	58	.93	174	.07	33	1.97	.06	.13	12	515

IMPERIAL H

IMP K

GRID R

GRID A

SOIL LINE 4204-87-2

CONTOUR SOIL LINE 4204-87-1

R-0

R-1000

Gbr

Gbr bsl

Diorite

x 87-16 qtz vein

bsl

Gbr bsl

very gossamous py seds 20-50 m thick

x 87-7

mixed Gbr gss ctf

o/c py seds

rusty seds

x 87-6

bsl float

x 87-4

mixed Gbr ctf

x 87-3 py ctf

gss/chltf

PD-88-12

87-5 Ank

ank zone 3 m wide in Gbr

seds charts & chltfs

ctf

gss

seds rusty

x 87-14, 87-15 chltf very rusty, pyritic

chl sch

Gbr o/c

chl sch with local ank and py

arg tuff siltstone

tuff siltstone local Gbr

PD-88-5

tuff siltstone

becomes more argillaceous

tuff arg

tuff arg Ank zone

fg gabbro

ctf

tuff siltstone

ass

tuff siltstone

/87-2 / Ank

Gbr

ctf

arg siltstone

tuff siltstone with graphitic and pyritic beds and lenses

bedded and foliated argillaceous tuffaceous, siltstone, loc alt Gbr silts and dykes, loc chl sch

massive to slightly bedded tuffaceous siltstone, locally pyritic

carbonaceous tuffs volc mbr Gbr

87-13

Ank zone

87-12

ctf with Gbr

schistose intensely kinked chlsch

tuffaceous siltstone unit with local arg sections

chlsch

x87-11 jasper w py

chlsch chltf

87-9 jasper + Ank

87-10

87-8 Ank

chlsch

(andesite) chlsch

chl sch, becomes mons arg and maroon on south side spec hematite in jasper float

sheared arg chl sch, maroon locally andesitic

arg chl sch

chl sch

and with epidote alt

arg chl sch

PD-88-29a

PD-88-29b

extremely rusted py-ser-chl sch

chl sch

qtz eye chl ser schist

arg chl sch

PD-88-28b

PD-88-28a

extremely deformed py-chl-ser schist with local intense hydrothermal alt py-ser schist

py ser sch

pyritic gabbro and graphitic arg siltstone

PD-88-10

LCP CLIP

ctf

arg tuff siltstone

bedded chl tuff siltstone

tuff siltstone loc py beds

10000 N

10000 E

org tuff siltstone

tuffaceous siltstone cut by ankerite

PD-88-2

PD-88-1

87-1 Ank 127 Au

tuff siltstone locally pyritic

ch chbschp

blk ss

tuff siltstone

tuff siltstone

chl sch massive to foliated

gabbro adjacent to tuff siltstone

Py rusty cherty arg seds

Pss

Pm

LEGEND

- Road
- Stream
- Claim Post
- Claim Boundary
- Fault
- Contact, known
- Contact, assumed
- 20 SL — Soil Sample & Number
- x87-3 — Rock Sample & Number

Gbr	Gabbro
bsl	Basalt
ctf	Banded green white grey fine grain cherty tuff?, foliated
gss	Medium coarse grain greywacke sandstone
sts	Siltstone
chltf	Dark green chloritic tuff, foliated
schp	Chloritic sericite schist/phyllite
pltf	Schistose purple grey lapilli lithic xtal tuff
gltf	Schistose green grey lapilli lithic xtal tuff
Agp	Augite porphyry
chlsch	Greenish red purple chlorite schist
chbschp	Chlorite bleb schist
py	Pyritic
Ank	Ankeritic
org	Argillite

GEOCHEMICAL LEGEND

Cu/Zn / Ag/Au	Rock Value
Cu/Zn / Ag/Au	Soil Value
Cu	≥ 100 ppm
Zn	≥ 200 ppm
Ag	≥ 2.0 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,010

IMPERIAL METALS CORPORATION

HASLAM CREEK

FIGURE 5 N.T.S. 92C/16E

IMP K & H CLAIMS
PROPERTY GEOLOGY & GEOCHEMISTRY

Metres 100 0 100 200 300 400 Metres

SCALE: 1:5000	GEOLOGIST: M.B., P.D.
DATE: NOVEMBER, 1988	DRAWN BY: S.H., J.C.