86-699-15232

GEOLOGICAL, GEOCHEMICAL AND

DIAMOND DRILLING REPORT

ON THE MT. HAMILTON PROPERTY

FILMED

BRUCE #1 1546 (8)
BRUCE #2 1547 (8)
BRUCE #3 1548 (8)
BRUCE #4 1549 (8)

NICOLA MINING DIVISION
N.T.S. 92I/1W 50°08.2'N, 120°22.0'W

Submitted By: R. Pesalj
IMPERIAL METALS CORPORATION Owner/Operator
NOVEMBER, 1986

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SUMMARY

A program consisting of detailed mapping, geochemical soil and rock sampling and diamond drilling was conducted on the Mt. Hamilton property by Imperial Metals Corporation between April 7 and May 14, 1986.

The porphyry copper mineralization on the property, hosted by the Nicola Group volcanics and pyroclastics consists of chalcopyrite with minor malachite and epidote, carbonate and quartz gangue. The mineralization exposed in the outcrop measuring 35 by 4 meters was tested by two holes totalling 182.88m. Drilling encountered weak, narrow mineralization at depth with the best intersection grading 1.44% Cu over 0.6m.

1. INTRODUCTION:

This report pertains to geological and geochemical surveys and diamond drilling on the Mt. Hamilton property by Imperial Metals Corporation between April 7 and May 14, 1986.

2. PROPERTY: (Fig. 1)

Currently, the Mt. Hamilton property consists of the following claims:

Claim	Record No.	Owner of Record	Date Recorded
Bruce #1	1546 (8)	Imperial Metals	August 23, 1985
Bruce #2	1547 (8)	Imperial Metals	August 23, 1985
Bruce #3	1548 (8)	Imperial Metals	August 23, 1985
Bruce #4	1549 (8)	Imperial Metals	August 23, 1985

3. LOCATION, TOPOGRAPHY, ACCESS: (Fig. 2)

The Mt. Hamilton property is located 40 km northeast of Merritt in the Nicola Mining Division. The claims lie within the Nicola River drainage on the northwest slope of Mt. Hamilton at an elevation between 3,500 and 4,000 meters above the sea level. Access to the property is by Hwy #5 and Douglas Lake road to within 2 km and by an old logging road that transects the property. Semi-open fir forest covers most of the property.

4. REGIONAL GEOLOGY:

The property is located in the Intermontane zone within the Nicola Belt of south-central British Columbia. The region is underlain mainly by upper Triassic volcanic, sedimentary and intrusive rocks of the Nicola Group which are noted for their copper deposits.

5. DETAIL MAPPING: (Fig. 3)

Detail geological mapping on the Mt. Hamilton grid was conducted along the lines spaced 100 meters, established by compass and chain. Surface

geology is plotted on 1:2,500 scale map and the description of rock samples and analytical data are presented in separate appendices of this report.

The property is underlain by a volcanic sequence comprising massive and andesitic and basaltic flows and coarse pyroclastics of the Nicola Group. Massive flows dominate in the eastern half of the property, while the western part is underlain mainly by pyroclastics. Massive flows represent light green porphyritic andesites consisting of plagioclase-chlorite matrix and phenocrysts of black augite or white plagioclase. Maroon massive andesitic and minor basaltic flows have been found on the western part of the grid. Pyroclastic rocks are represented by crudely bedded tuffs, lapilli tuffs and agglomerates striking generally northwest-southeast and dipping to the northeast.

Northwesterly striking faults are mapped on the west part of the property. Copper mineralization is exposed in the outcrop in the central part of the property measuring 35 by 4 meters. The host rock is lapilli tuff and fragmental andesite striking northwesterly and dipping 60° to the northeast. Mineralization consists of veinlets carrying chalcopyrite with minor malachite and epidote, carbonate and quartz gangue. The system of veinlets is roughly parallel to the bedding in pyroclastics and the highest concentration of the veinlets occurs at the northern part of the showing.

A total of 17 rock samples were collected from the property and analysed for 31 elements by ICP and AA methods.

6. GEOCHEMISTRY: (Figs. 4 & 5)

Detail geochemical soil sampling was conducted over the showing area along 50m spaced lines and 25m sample interval and for the remainder of the grid over 100m spaced lines and 25m smple interval. The samples were taken from the B2 soil horizon and analysed for 31 elements by ICP and AA methods. The survey indicates weak copper anomaly in the showing area with copper values in 2-3 times background range.

7. DIAMOND DRILLING:

Two holes recovering NQ size core were drilled to test the mineralization exposed in the outcrop. The holes totalled 182.88m and were

collared at 0+00/0+25E and 0+11E/0+26S.

The holes intersected andesitic pyroclastics including lapilli tuffs and breccias with weak copper mineralization. The best intersection in DDH1 was 1.44% Cu over 0.6m from 28.26 to 28.86m. A total of 47 core samples were taken and analysed for 31 elements by ICP and AA analytical techniques.

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STATEMENT OF COSTS

		Dates	Days	Cost
1.	Field Personnel:			
	Rad Pesalj	April 7-8, May 5-14	12	$ 3,000.00
	Terry MacKenzie	April 7-12	6	720.00
	Jim Walker	April 7-12	6	444.00
	Ron Carten	April 7-8, May 5-14	12	840.00
			36	
2.	Consultant: 2 thin sections			125.00
3.	Food & Accomodation: 36 man days @ $45/day			1,620.00
4.	Field Supplies:			500.00
5.	Analytical Cost: 143 soil and 17 rock samples			1,537.25
6.	Diamond Drilling: 2 holes; NBQ; 182.88m			9,000.00
7.	Transportation: truck rental 18 days			540.00
8.	Report Preparation:			500.00
9.	Supervision and Overhead:			1,883.00
			TOTAL:	$20,709.25

AUTHOR'S QUALIFICIATIONS

Radomir Pesalj, B.Sc Geological Engineering 1963, University of Belgrade, Yugoslavia. Member of the Society of Economic Geologists Inc.

Since graduation I worked as a mining and exploration geologist on numerous projects throughout Canada. Presently a permanent staff geologist with Imperial Metals Corporation, #800 - 601 W. Hastings Street, Vancouver, B.C.

As Project Geologist I supervised work on Mt. Hamilton property described in this report.

5 day of November, 1986

Vancouver, British Columbia

Rad. Pesalj

R. PESALJ, Senior Geologist

APPENDIX I

Rock Sample Descriptions

TRAVERSE NUMBER _____ PROJECT Mt. Hamilton GEOLOGIST(S) R. Pesalj

N.T.S. 92I/1W AREA _____ DATE April 1986

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm)/%/oz. per ton)						
	RX Rock, talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
MH-1	Rock		Grab		0+00N/0+08W	Gossanized pyritic vein from the o/c.							
						The vein strikes at 60°, dips 50° to the							
						east. The thickness in o/c 2cm. The							
						county rock is andesitic lapilli tuff.							
						Epidote alteration strong, particularly							
						along the fractures. The unit is							
						massive, fragments 2-3mm, but can reach							
						10mm across, mainly light, but some large							
						dark grey-green, probably altered							
						volcanic clasts. Bedding in tuff approx.							
						35°/60°E. Pyrite, chalcopyrite visible							
						in gossanized material, malachite along							
•						the fractures.							
MH-2	Rock		Grab		0+60S/0+15E	Green, highly epidotized volcanic,							
						probably lapilli tuff, cut by white qtz-							
						carbonate veins. Clasts of lighter							
						volcanic 3 x 2 cm in dominantly volcanic							
						matrix of finer pyroclastics.							
MH-3	Rock		Grab		0+60N/0+30E	Grey, medium grained tuff, massive to							
						crudely bedded. The rock is fairly							
						fresh, no mineralization visible in the							
						sample. The clasts are 2-5mm long and							
						2-3mm wide, probably of andesitic							
						composition.							
MH-4	Rock		Grab		1+45N/0+90E	Green, slightly chloritized lapilli tuff,							

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	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
						lighter clasts of volcanic composition							
						10 x 5mm in finer grained pyroclastic							
						matrix.							
MH-5	Rock		Grab		1+10N/0+25W	Green-grey lapilli tuff, massive to							
						crudely bedded, fairly fresh, no mineral-							
						ization visible in the sample. Epidote							
						along the fracture planes.							
MH-6	Rock		Grab		0+30S/0+45W	Green, highly epidotized tuff, fractures							
						2-3mm across filled with quartz-calcite							
						and malachite. Sample from the trench on							
						the west side of clearing across the							
						showing.							
MH-7	Rock		Grab		0+28S/0+45W	As above, tuff cut by quartz carbonate							
						vein. Fe oxides, some fresh pyrite and							
						malachite stain along the fracturae.							
MH-8	Rock		Grab		1+00S/0+71E	Quartz-chalcopyrite-sphalerite vein							
						2 cm wide in andesitic volcanic outcrop.							
						Malachite stain along the fractures,							
						iron oxides and epidote locally.							
MH-9	Rock		Grab		0+75S/0+83E	Andesite, light green, massive, consists							
						of plagioclase-chlorite matrix and pheno-							
						crysts of black augite 5 x 4 mm. Rock							
						is fairly fresh, massive, uniform in							
						composition.							

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SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm)/%/oz. per ton)						
	RX Rock, talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
MH-10	Rock		Grab		3+00S/1+50E	Green, highly epidotized lapilli tuff, fragments of volcanic material unsorted, various lithologies.							
MH-11	Rock		Grab		3+40S/5+55E	Rusty gossan zone in lapilli tuff at 310/42° E. The zone is 30cm wide and contains minor quartz-carb veinlets. No visible sulphides.							
MH-12	Rock		Grab		1+95S/3+95E	Light grey, massive andesitic rock, mainly plagioclase, minor hb and augite.							
MH-13	Rock		Grab		3+05S/0+75W	Maroon, medium grained, massive volcanic, epidote rich. Outcrop west of the pond on line 3+00S.							
MH-14	Rock		Grab		1+00N/2+90E	Light green, massive andesitic flow. Large 10 x 5mm phenocrysts of augite in light green, plagioclase and amphibole matrix.							
MH-15	Rock		Grab		2+00N/9+05E	Light green, massive andesitic flow, consisting of augite phenocrysts in light green plagioclase and amphibole matrix. The rock is fresh, matrix slightly chloritized.							
MH-16	Rock		Grab		3+00S/1+90W	Coarse pyroclastic, green, chloritic,							

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	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
						consists of fragments of basaltic and							
						andesitic composition, not sorted,							
						massive to poorly bedded.							
MH-17	Rock		Grab		2+90S/4+00W	Coarse pyroclastic as above, cut by thin							
						1-2mm quartz-calcite veinlets in form of							
						stockwork. No sulphides visible.							
MH-18	Rock		Grab		2+00S/4+95W	Maroon andesitic massive flow in o/c.							
						The rock consists of grey-maroon plag-							
						iclase matrix and black phenocrysts of							
						augite and amphibole.							
MH-19	Rock		Grab		00/3+40W	Grey-green, coarse grained intrusive of							
						dioritic composition along NW trending							
						fault. Rock consists of plagioclase rich							
						groundmass and plagioclase and amphibole							
						phenocrysts.							
MH-20	Rock		Grab		3+00N/2+50W	Green, massive fine grained andesitic							
						flow with plagioclase and augite pheno-							
						crysts in plagioclase rich matrix.							
						Phenocrysts upto 3mm x 2 mm. Rock is							
						fairly fresh, homogeneous.							
MH-21	Rock		Channel	2.38	Showing	Channel sample across the o/c north of							
						the blasted area.							
MH-22	Rock		Channel	3.95	Showing	Channel sample across the main showing.							

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	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
						consists of fragments of basaltic and							
						andesitic composition, not sorted,							
						massive to poorly bedded.							

APPENDIX II

Analytical Data

ACME ANALYTICAL LABORATORIES LTD. 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,CR,MG,BA,TI,B,AL,NA,K,W,SI,ZR,CE,SN,Y,NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: APRIL 14 1986 DATE REPORT MAILED: Apr 15/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 5012 FILE # 86-0478

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
MH1 100N 500W	1	37	4	59	.2	25	11	996	2.42	6	5	ND	1	53	1	2	2	48	.73	.06	8	46	.52	147	.13	10	1.67	.04	.18	1	1
MH1 100N 475W	1	37	4	103	.2	19	8	1237	2.36	4	5	ND	1	48	1	2	2	50	.57	.16	5	30	.39	251	.11	9	2.43	.04	.13	1	1
MH1 100N 450W	1	37	2	66	.3	21	9	627	2.48	2	5	ND	1	60	1	2	2	48	.74	.11	6	41	.47	174	.14	5	2.27	.04	.20	1	1
MH1 100N 425W	1	23	2	100	.2	14	7	954	2.17	5	5	ND	1	42	1	2	2	48	.49	.22	6	23	.35	132	.14	4	2.35	.04	.06	1	14
MH1 100N 400W	1	75	11	69	.2	15	10	868	2.23	5	5	ND	1	38	1	2	2	50	.44	.20	8	20	.31	130	.14	5	3.19	.04	.06	1	2
MH1 100N 375W	1	28	2	107	.2	17	9	1206	2.50	2	5	ND	1	51	1	2	2	48	.70	.09	7	35	.43	246	.16	11	2.71	.04	.12	1	1
MH1 100N 350W	1	20	3	77	.1	17	9	883	2.46	2	5	ND	1	58	1	2	2	48	.62	.04	7	40	.47	196	.15	10	2.55	.04	.12	1	1
MH1 100N 325W	1	32	13	105	.2	26	10	1035	2.64	2	5	ND	1	58	1	2	2	55	.70	.10	6	38	.47	244	.15	4	2.68	.04	.11	1	1
MH1 100N 300W	1	21	3	97	.1	8	7	1253	1.98	2	5	ND	1	43	1	2	2	41	.45	.04	3	17	.28	199	.13	6	2.08	.04	.07	1	2
MH1 100N 275W	1	79	2	112	.1	31	17	1827	3.08	2	5	ND	1	125	1	2	2	70	1.20	.06	6	39	.70	201	.18	11	3.56	.04	.14	1	5
MH1 100N 250W	1	131	2	127	.2	25	18	2749	2.93	4	5	ND	1	148	1	2	2	67	2.26	.17	5	34	.68	273	.15	39	2.80	.03	.27	1	1
MH1 100N 225W	1	109	9	117	.3	16	14	1232	3.12	2	5	ND	1	108	1	2	2	71	1.79	.06	5	29	.73	144	.16	30	2.59	.04	.26	1	1
MH1 100N 200W	1	44	2	256	.2	7	5	1026	.92	2	9	ND	3	428	1	2	2	18	7.32	.49	2	7	.45	449	.04	71	.53	.07	.19	1	1
MH1 100N 175W	2	40	3	51	.1	32	11	635	2.50	2	5	ND	1	76	1	2	2	57	.93	.06	9	76	.69	131	.15	6	1.70	.05	.21	1	1
MH1 100N 150W	2	35	4	61	.1	29	10	728	2.43	5	5	ND	1	74	1	3	2	53	.77	.08	9	54	.69	144	.13	10	1.83	.05	.24	1	1
MH1 100N 125W	2	47	3	71	.1	36	12	824	2.86	2	5	ND	1	83	1	2	2	63	.95	.09	10	64	.85	164	.15	10	2.03	.05	.28	1	1
MH1 100N 100W	2	51	4	77	.1	38	14	900	3.00	5	5	ND	1	84	1	2	2	65	.95	.10	10	62	.89	168	.16	11	2.04	.06	.35	1	2
MH1 100N 075W	1	35	4	59	.2	25	10	751	2.41	6	5	ND	1	72	1	2	3	51	.67	.07	10	51	.63	157	.13	6	1.90	.05	.27	1	1
MH1 100N 050W	2	39	2	50	.2	20	7	482	1.49	2	7	ND	3	194	1	2	4	32	8.21	.15	5	37	.81	175	.06	28	1.07	.05	.30	1	1
MH1 100N 025W	1	59	5	76	.1	28	13	1026	2.74	5	5	ND	1	71	1	2	2	57	1.09	.07	10	46	.68	194	.15	9	2.33	.04	.30	1	1
MH1 0N 500W	1	13	2	137	.1	11	5	663	1.67	7	5	ND	1	38	1	2	2	31	.48	.34	4	21	.24	125	.09	4	1.43	.04	.09	1	1
MH1 0N 475W	1	31	9	70	.1	25	9	726	2.49	2	5	ND	1	51	1	2	2	50	.58	.05	8	46	.54	163	.15	9	2.12	.05	.14	1	1
MH1 0N 450W	1	41	11	69	.1	24	11	710	2.69	3	5	ND	2	53	1	2	2	56	.55	.06	9	43	.58	169	.16	7	2.17	.05	.20	1	1
MH1 0N 425W	2	43	9	84	.1	25	13	982	3.14	3	5	ND	1	43	1	2	2	73	.42	.11	9	47	.56	167	.17	5	3.11	.04	.10	1	1
MH1 0N 400W	1	19	6	68	.2	17	7	1062	2.26	2	5	ND	2	45	1	2	2	46	.43	.03	6	35	.34	188	.15	8	2.13	.05	.11	1	1
MH1 0N 375W	1	34	15	58	.1	23	10	975	2.73	2	9	ND	1	47	1	2	3	62	.47	.02	8	41	.50	172	.17	6	2.68	.04	.11	1	2
MH1 0N 350W	1	45	5	170	.1	25	14	1760	2.85	3	5	ND	1	104	1	2	2	53	1.20	.17	5	45	.59	222	.12	22	3.19	.04	.29	1	12
MH1 0N 325W	2	30	6	64	.1	21	10	407	2.74	2	5	ND	2	35	1	4	2	62	.34	.05	5	36	.50	123	.18	4	3.12	.04	.08	1	1
MH1 0N 300W	1	37	7	69	.1	17	10	459	2.75	4	5	ND	1	29	1	2	2	62	.28	.11	6	26	.38	107	.17	6	2.72	.04	.07	1	2
MH1 0N 275W	1	38	2	93	.1	20	10	1038	2.87	3	5	ND	1	43	1	2	2	66	.44	.14	7	41	.46	181	.16	9	2.84	.04	.09	1	1
MH1 0N 250W	1	107	7	113	.1	14	11	1218	2.30	7	5	ND	1	39	1	2	2	56	.57	.30	7	22	.39	103	.12	3	2.72	.04	.06	1	1
MH1 0N 225W	2	67	4	78	.1	33	12	821	2.99	4	5	ND	2	70	1	2	2	65	1.18	.08	8	58	.74	138	.17	14	1.96	.04	.29	1	1
MH1 0N 200W	2	37	5	96	.1	27	10	1161	2.58	2	5	ND	1	67	1	3	3	49	.76	.05	10	51	.56	197	.15	15	1.91	.05	.27	1	2
MH1 0N 175W	2	41	3	59	.1	38	12	642	2.76	2	5	ND	1	62	1	2	2	58	.67	.03	9	74	.75	102	.17	10	1.74	.05	.25	1	1
MH1 0N 150W	1	21	2	45	.1	19	7	381	2.17	2	5	ND	1	44	1	2	3	44	.46	.03	5	54	.46	80	.14	13	1.58	.05	.19	1	18
MH1 0N 125W	2	41	5	25	1.0	23	4	405	.79	2	17	ND	4	472	1	2	8	18	19.13	.19	2	30	.63	228	.03	30	.49	.04	.09	2	1
STD C/AU-0.5	22	57	38	133	7.0	71	30	1186	3.95	36	17	8	31	47	18	18	22	59	.49	.11	37	59	.90	175	.08	35	1.72	.07	.11	13	510

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
MH1 0N 100W	1	38	2	48	.2	28	6	665	1.57	4	5	ND	2	435	1	2	7	36	5.04	.15	4	55	.96	179	.08	45	.85	.05	.26	1	2
MH1 0N 075W	1	16	2	29	.1	11	5	271	1.72	2	5	ND	1	57	1	2	3	39	.42	.02	3	34	.38	52	.14	10	1.06	.05	.14	1	1
MH1 0N 050W	1	320	3	65	1.0	16	15	267	2.20	4	5	ND	1	47	1	3	6	45	.52	.14	5	21	.34	101	.11	13	2.21	.05	.14	1	1
MH1 0N 025	1	88	9	59	.1	21	10	771	2.17	2	5	ND	1	66	1	2	4	44	.65	.07	8	31	.45	161	.12	11	2.22	.04	.13	1	1
MH1 100S 500W	1	25	8	69	.1	18	8	504	2.65	2	5	ND	1	29	1	2	6	62	.32	.12	4	27	.35	122	.16	7	2.09	.04	.06	1	1
MH1 100S 475W	1	50	10	101	.1	19	9	1395	2.57	5	5	ND	1	83	1	2	2	60	.81	.24	7	29	.47	181	.12	7	2.34	.03	.10	1	1
MH1 100S 450W	1	42	7	55	.1	26	10	819	2.57	3	5	ND	2	61	1	2	6	56	.71	.04	8	43	.61	157	.15	4	2.08	.04	.24	1	1
MH1 100S 425W	1	58	10	65	.1	29	18	800	3.39	4	5	ND	2	69	1	2	2	82	.75	.05	10	49	1.03	137	.21	4	2.71	.05	.24	1	2
MH1 100S 400W	1	51	3	60	.1	29	11	789	2.98	3	5	ND	1	63	1	2	2	69	.63	.07	9	49	.58	166	.18	7	2.78	.05	.18	1	3
MH1 100S 375W	1	61	11	152	.1	21	11	1338	2.76	4	5	ND	1	58	1	2	4	62	.58	.34	6	33	.36	183	.10	6	2.47	.03	.07	1	2
MH1 100S 350W	1	53	7	69	.1	31	12	952	2.74	2	5	ND	1	66	1	2	4	61	.75	.07	8	49	.63	174	.15	7	2.14	.04	.27	1	4
MH1 100S 325W	1	52	9	65	.1	29	13	778	3.05	5	5	ND	1	61	1	2	3	71	.72	.07	10	55	.72	155	.17	7	2.40	.04	.20	1	1
MH1 100S 300W	2	35	7	73	.1	28	10	894	2.56	2	5	ND	1	55	1	2	3	52	.57	.04	7	47	.53	153	.15	5	2.12	.03	.18	1	1
MH1 100S 275W	2	39	8	64	.1	26	10	662	2.83	4	5	ND	1	42	1	2	4	59	.39	.06	9	48	.56	124	.16	5	2.52	.03	.12	1	1
MH1 100S 250W	1	61	10	93	.2	27	13	1383	2.93	3	5	ND	1	66	1	2	3	60	.95	.06	9	43	.65	194	.15	8	2.30	.04	.21	1	1
MH1 100S 225W	1	41	6	106	.1	20	9	884	2.51	4	5	ND	1	52	1	2	7	48	.55	.11	7	30	.41	220	.15	7	2.56	.04	.13	1	2
MH1 100S 200W	1	21	9	46	.1	19	7	625	1.95	2	5	ND	1	43	1	2	3	39	.54	.02	6	34	.35	120	.13	9	1.79	.04	.13	1	1
MH1 100S 175W	1	26	5	72	.1	25	9	1184	2.37	2	5	ND	1	52	1	2	2	49	.63	.04	6	52	.51	161	.16	6	1.82	.04	.20	1	1
MH1 100S 150W	1	35	12	59	.1	40	11	1088	2.67	2	5	ND	1	59	1	2	2	54	.77	.03	9	79	.69	182	.16	5	2.04	.04	.20	1	1
MH1 100S 125W	1	39	5	51	.1	55	10	546	2.61	3	5	ND	2	52	1	2	5	57	.63	.03	8	100	.78	91	.15	9	1.54	.04	.26	1	2
MH1 100S 100W	1	21	6	47	.1	41	7	311	2.00	2	5	ND	1	73	1	2	2	41	.74	.05	4	86	.65	114	.13	10	1.31	.05	.19	1	1
MH1 100S 075W	1	24	14	59	.1	26	9	704	2.16	2	5	ND	1	65	1	2	2	44	.62	.06	7	53	.47	166	.14	8	1.72	.04	.18	1	1
MH1 100S 050W	1	33	8	61	.2	22	10	889	2.33	3	5	ND	2	79	1	2	2	51	.77	.07	8	43	.60	205	.15	11	1.83	.05	.18	1	1
MH1 100S 025W	1	40	11	57	.1	28	10	724	2.35	2	5	ND	1	60	1	2	2	57	.69	.05	9	51	.68	161	.16	7	2.05	.05	.17	1	1
MH 1N 0+00E	2	68	8	73	.2	39	15	750	3.39	2	5	ND	3	72	1	2	5	76	.89	.08	11	64	.98	173	.18	11	2.39	.04	.33	1	3
MH 1N 0+25E	1	90	14	104	.2	25	13	1467	3.02	4	5	ND	1	52	1	3	3	63	.82	.17	7	43	.56	349	.15	5	2.80	.03	.22	1	1
MH 1N 0+50E	1	30	10	52	.1	21	8	698	2.50	2	5	ND	2	40	1	2	8	46	.45	.02	8	38	.40	151	.17	6	2.60	.04	.17	1	1
MH 1N 0+75E	1	28	10	93	.1	17	8	843	2.59	4	5	ND	1	30	1	2	5	54	.38	.21	4	26	.38	145	.14	4	2.67	.04	.10	1	4
MH 1N 1+00E	1	52	9	64	.1	23	12	725	2.88	3	5	ND	1	57	1	2	4	63	.75	.03	8	44	.59	167	.18	7	2.56	.03	.26	1	1
MH 1N 1+25E	1	53	8	161	.1	16	9	2481	2.28	3	5	ND	1	65	1	2	4	45	.84	.23	6	25	.39	473	.12	12	2.19	.03	.21	1	70
MH 1N 1+50E	1	32	7	39	.1	14	6	516	1.59	3	5	ND	3	263	1	2	2	39	6.72	.06	5	22	.92	167	.09	26	1.15	.06	.24	1	1
MH 1N 1+75E	1	21	5	26	.2	9	4	150	1.85	2	5	ND	1	67	1	2	2	40	.48	.01	2	23	.31	36	.12	12	1.57	.04	.09	1	3
MH 1N 2+00E	1	25	4	26	.2	9	4	310	1.28	2	5	ND	4	204	1	2	4	27	8.28	.04	2	16	.53	158	.07	15	.87	.05	.17	1	2
MH 1N 2+25E	1	37	5	61	.2	20	9	721	2.53	3	5	ND	2	49	1	2	2	55	.70	.03	8	33	.55	141	.17	4	1.95	.04	.19	1	1
MH 1N 2+50E	1	36	8	72	.1	22	10	439	3.14	2	5	ND	1	58	1	2	4	69	.63	.03	9	45	.73	149	.19	4	2.54	.04	.14	1	3
MH 1N 2+75E	2	37	7	55	.1	21	10	767	2.53	2	5	ND	2	51	1	2	2	55	.58	.03	8	41	.59	172	.16	4	1.96	.04	.18	1	1
STD C/AU-0.5	20	59	42	133	7.6	72	30	1195	3.97	37	19	8	32	48	17	18	21	60	.45	.11	35	59	.88	181	.08	37	1.72	.07	.10	12	510

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	Aut PPB
MH 1N 3+00E	1	40	12	90	.1	15	7	821	2.09	2	5	ND	1	32	1	2	2	43	.41	.27	6	22	.33	174	.09	7	1.98	.03	.10	1	1
MH 1N 3+25E	1	29	2	32	.1	10	2	397	.65	4	6	ND	4	377	1	3	5	18	17.92	.13	2	9	.76	138	.02	24	.41	.05	.09	1	1
MH 1N 3+50E	1	27	7	45	.1	18	8	506	2.15	4	5	ND	2	56	1	2	2	50	1.01	.02	8	33	.57	90	.14	9	1.38	.04	.25	3	8
MH 1N 3+75E	1	26	6	40	.1	16	7	510	2.07	2	5	ND	1	53	1	2	2	43	.54	.02	8	27	.49	91	.13	9	1.34	.04	.20	2	7
MH 1N 4+00E	1	28	5	54	.1	16	7	1039	2.03	2	5	ND	1	49	1	2	2	39	.58	.03	8	21	.40	165	.11	8	1.77	.03	.20	1	2
MH 1N 4+25E	1	38	8	73	.1	19	9	1007	2.52	2	5	ND	1	41	1	2	2	47	.59	.08	9	24	.37	164	.13	7	2.48	.03	.15	1	1
MH 1N 4+50E	1	42	13	49	.1	19	11	573	2.64	2	5	ND	2	40	1	2	2	62	.43	.03	13	34	.52	99	.17	3	2.72	.03	.16	1	1
MH 1N 4+75E	1	64	6	61	.1	34	12	664	3.08	3	5	ND	2	55	1	2	2	69	.71	.07	11	45	.96	145	.15	8	2.01	.03	.31	1	3
MH 1N 5+00E	1	48	5	68	.1	25	11	804	2.57	4	5	ND	1	57	1	2	3	53	.75	.09	9	34	.66	185	.13	12	1.95	.03	.35	1	2
MH ON 0+00E	1	230	7	96	.2	31	16	892	2.55	3	5	ND	1	52	1	2	4	55	.90	.19	8	53	.65	191	.09	13	2.21	.02	.19	1	3
MH ON 0+25E	2	107	13	68	.1	42	12	953	2.50	2	5	ND	1	55	1	2	2	50	.76	.06	9	75	.63	213	.12	9	2.34	.03	.21	1	1
MH ON 0+50E	1	53	6	69	.1	27	10	748	2.61	2	5	ND	2	54	1	3	2	53	.65	.07	10	45	.58	190	.13	6	2.23	.03	.24	1	1
MH ON 0+75E	1	48	2	68	.1	33	11	659	2.71	2	5	ND	1	57	1	2	3	56	.66	.09	10	53	.70	166	.13	9	2.06	.04	.28	1	1
MH ON 1+00E	1	42	11	75	.1	25	10	771	2.68	2	5	ND	2	45	1	2	2	53	.62	.05	10	39	.60	171	.14	7	2.11	.03	.30	1	1
MH ON 1+25E	2	39	10	85	.1	28	10	1022	2.69	2	5	ND	1	43	1	3	2	53	.47	.06	9	44	.57	187	.14	4	1.92	.03	.22	1	1
MH ON 1+50E	2	23	4	93	.1	17	7	1480	2.09	2	5	ND	1	40	1	2	2	38	.51	.06	5	30	.42	226	.12	11	1.75	.03	.16	1	1
MH ON 1+75E	2	44	3	32	.3	9	2	350	.55	2	6	ND	2	218	1	3	8*	14	26.15	.16	2	6	.30	156	.02	21	.35	.02	.05	3	2
MH ON 2+00E	1	22	2	42	.1	12	6	243	2.01	2	5	ND	1	36	1	2	2	41	.83	.01	4	23	.39	78	.13	12	1.54	.03	.14	1	1
MH ON 2+25E	1	54	4	93	.1	10	7	1057	2.14	2	5	ND	1	36	1	2	2	46	.50	.12	4	18	.33	136	.10	7	1.86	.03	.08	1	1
MH ON 2+50E	1	36	8	92	.1	18	10	1316	2.58	2	5	ND	2	46	1	2	2	49	.56	.05	9	32	.53	274	.14	6	2.05	.03	.18	1	1
MH ON 2+75E	1	39	11	141	.1	16	8	1255	2.52	4	5	ND	1	37	1	2	2	56	.59	.25	6	23	.44	239	.11	6	2.24	.03	.08	1	1
MH ON 3+00E	1	22	2	67	.1	15	8	600	2.22	3	5	ND	1	40	1	2	2	45	.53	.04	8	25	.39	160	.13	4	1.86	.03	.19	1	4
MH ON 3+25E	1	18	3	107	.1	8	5	896	1.98	2	5	ND	1	23	1	2	2	41	.28	.27	4	13	.19	191	.10	3	1.56	.03	.06	1	1
MH ON 3+50E	1	27	9	98	.2	12	7	1302	2.18	4	5	ND	1	25	1	2	2	47	.33	.12	5	15	.28	205	.12	8	2.22	.04	.06	1	1
MH ON 3+75E	1	21	7	63	.1	15	7	599	2.05	2	5	ND	1	27	1	2	3	37	.31	.06	6	20	.33	148	.12	4	2.20	.03	.09	1	1
MH ON 4+00E	1	31	8	50	.1	19	9	623	2.32	4	5	ND	1	39	1	2	2	44	.66	.03	9	29	.48	159	.13	10	1.67	.03	.25	1	6
MH ON 4+25E	1	31	2	46	.1	21	9	1042	2.50	4	5	ND	1	47	1	2	3	46	.66	.05	8	37	.56	170	.13	13	1.53	.05	.25	2	2
MH ON 4+50E	1	14	2	33	.1	11	5	241	1.65	2	5	ND	1	28	1	2	3	33	.31	.03	4	19	.27	57	.11	5	1.07	.03	.15	1	12
MH ON 4+75E	1	40	7	47	.2	18	7	498	1.95	3	5	ND	3	97	1	2	2	40	3.60	.05	5	27	.51	105	.11	20	1.25	.04	.24	1	2
MH ON 5+00E	1	41	11	64	.1	21	9	865	2.62	2	5	ND	2	49	1	2	2	53	.66	.03	10	35	.60	149	.15	7	1.85	.03	.29	1	1
MH 1S 0+25E	2	48	7	54	.1	44	12	650	2.79	3	5	ND	2	63	1	2	2	61	.58	.03	11	70	.80	151	.17	5	1.98	.04	.30	1	1
MH 1S 0+50E	1	49	11	63	.1	42	10	693	2.41	2	5	ND	1	59	1	3	4	48	.64	.09	10	75	.63	193	.12	4	2.20	.04	.21	1	1
MH 1S 0+75E	1	60	5	68	.1	29	10	816	2.49	3	5	ND	1	56	1	2	2	51	.64	.05	10	48	.61	210	.13	6	2.10	.04	.20	1	1
MH 1S 1+00E	1	59	4	58	.1	34	12	779	2.93	4	6	ND	2	50	1	2	4	66	.64	.05	10	65	.76	157	.16	8	2.06	.04	.18	1	1
MH 1S 1+25E	1	45	13	63	.1	30	10	897	2.49	2	5	ND	2	52	1	2	3	50	.64	.04	10	49	.63	180	.14	9	1.89	.03	.19	1	1
MH 1S 1+50E	1	22	5	51	.2	19	9	742	2.14	2	5	ND	1	51	1	2	3	43	.58	.05	7	31	.49	149	.13	9	1.52	.03	.20	1	1
STD C/AU-0.5	22	59	35	139	6.9	74	30	1187	3.94	37	18	8	32	47	17	16	21	59	.50	.11	37	60	.86	175	.07	38	1.72	.06	.10	13	500

* Ca To Bi Interference.

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
MH 1S 1+75E	1	31	5	58	.1	18	8	802	2.22	4	5	ND	2	38	1	2	2	42	.48	.06	6	25	.42	162	.13	9	1.95	.03	.14	1	4
MH 1S 2+00E	1	33	10	60	.1	17	10	791	2.54	2	5	ND	2	42	1	2	2	50	.51	.05	7	27	.45	153	.14	6	2.29	.03	.13	1	2
MH 1S 2+25E	1	48	10	145	.1	10	7	2097	2.04	5	5	ND	1	40	1	2	2	39	.40	.33	5	15	.22	354	.09	9	1.79	.04	.06	1	1
MH 1S 2+50E	1	27	12	46	.1	16	8	296	2.35	3	5	ND	2	36	1	2	2	45	.58	.03	4	31	.43	74	.14	8	1.43	.03	.18	2	4
MH 1S 2+75E	1	58	13	62	.1	27	12	777	2.94	3	5	ND	3	52	1	3	2	58	.75	.04	9	40	.75	148	.14	9	1.82	.04	.35	1	1
MH 1S 3+00E	1	51	9	44	.1	23	10	550	2.15	5	13	ND	5	114	1	2	2	45	6.97	.07	6	29	.64	143	.10	15	1.31	.03	.22	1	5
MH 1S 3+25E	1	81	4	72	.1	25	14	1002	3.10	4	5	ND	1	43	1	2	2	60	.78	.10	8	39	.67	167	.13	11	2.41	.03	.18	1	2
MH 1S 3+50E	1	48	12	162	.1	14	9	2463	2.32	4	5	ND	1	37	1	2	2	45	.59	.21	5	20	.37	353	.10	2	2.03	.03	.09	1	1
MH 1S 3+75E	1	40	11	144	.1	16	8	1558	2.15	4	5	ND	1	35	1	2	2	40	.49	.24	5	20	.37	337	.10	6	2.35	.03	.08	1	2
MH 1S 4+00E	1	48	4	68	.1	17	8	837	2.25	4	5	ND	2	34	1	2	2	42	.36	.06	8	24	.40	241	.12	3	2.27	.03	.09	1	1
MH 1S 4+25E	2	50	8	76	.1	21	9	904	2.22	2	5	ND	1	40	1	2	2	43	.49	.06	6	26	.46	226	.11	3	1.85	.03	.09	1	1
MH 1S 4+50E	1	27	5	60	.1	16	8	957	2.03	2	5	ND	2	39	1	2	2	38	.61	.06	6	23	.47	176	.11	7	1.75	.03	.18	1	1
MH 1S 4+75E	1	47	7	57	.1	20	9	917	2.44	2	5	ND	2	44	1	2	3	48	.78	.04	8	27	.49	209	.13	13	2.09	.04	.17	1	2
MH 1S 5+00E	1	27	5	84	.2	21	8	1006	2.48	2	5	ND	1	40	1	2	2	45	.54	.04	4	26	.41	240	.13	7	2.33	.03	.09	1	13
STD C/AU-0.5	22	59	41	134	7.0	73	30	1174	3.97	37	18	8	32	47	18	15	19	59	.46	.11	36	59	.88	176	.07	36	1.74	.07	.10	12	495

ACME ANALYTICAL LABORATORIES LTD. 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.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PI-7 SOILS -80 MESH PB ROCKS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: APRIL 17 1986 DATE REPORT MAILED: Apr 22/86 ASSAYER. DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 5012 FILE # 86-0508 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
MH1 600N 500W	1	39	2	41	.1	55	10	500	2.72	4	5	ND	1	44	1	2	2	60	.57	.04	7	158	.81	82	.14	4	1.27	.03	.19	1	1
MH1 600N 450W	1	43	13	65	.1	93	14	863	2.87	7	5	ND	1	70	1	2	2	58	.86	.06	10	167	1.37	178	.13	4	2.16	.04	.25	1	1
MH1 600N 400W	1	43	11	63	.2	94	12	692	2.55	5	5	ND	1	86	1	2	2	49	1.00	.12	9	151	1.21	219	.11	8	2.40	.04	.28	1	1
MH1 600N 375W	1	55	2	71	.1	125	16	724	3.02	8	5	ND	1	79	1	4	2	62	.95	.11	10	270	1.50	186	.12	9	2.30	.04	.30	1	1
MH1 600N 350W	1	55	3	78	.1	44	8	550	1.68	6	5	ND	1	155	1	2	2	35	1.50	.17	8	88	.90	175	.06	13	1.62	.05	.18	1	1
MH1 600N 300W	1	42	4	67	.2	33	11	722	2.84	5	5	ND	1	76	1	2	2	61	.63	.10	12	78	.76	154	.14	6	2.45	.05	.25	1	1
MH1 600N 250W	1	50	5	69	.2	26	11	730	2.87	8	5	ND	1	86	1	2	2	60	.94	.10	14	45	.75	206	.14	6	2.51	.08	.30	1	1
MH1 600N 225W	1	46	9	73	.2	23	11	658	2.83	4	5	ND	1	86	1	3	2	60	.94	.11	12	39	.70	228	.14	5	2.58	.05	.23	1	1
MH1 600N 200W	1	44	12	70	.2	27	11	745	2.92	6	5	ND	1	72	1	2	2	63	.71	.10	13	48	.66	190	.16	3	2.62	.08	.23	1	3
MH1 600N 150W	1	43	2	65	.2	23	11	687	2.78	6	5	ND	1	86	1	2	2	59	1.00	.09	12	40	.70	219	.14	6	2.43	.05	.22	1	1
MH1 600N 125W	1	45	8	66	.2	24	10	736	2.76	6	5	ND	1	87	1	2	2	60	.97	.11	13	41	.73	220	.13	5	2.45	.06	.22	1	1
MH1 600N 100W	1	42	5	69	.2	23	10	756	2.94	7	5	ND	1	79	1	3	2	63	.75	.11	12	45	.73	217	.15	4	2.64	.06	.25	1	1
MH1 600N 50W	1	42	7	71	.1	23	10	678	2.61	7	5	ND	1	80	1	2	2	56	.98	.11	12	40	.62	204	.13	3	2.28	.05	.25	1	1
MH1 600N 0E	1	42	5	67	.1	20	10	696	2.62	6	5	ND	2	71	1	3	2	57	.80	.10	11	39	.62	173	.14	7	2.15	.04	.26	1	1
MH1 600N 50E	1	40	2	56	.1	22	10	718	2.51	5	5	ND	1	61	1	2	2	54	.65	.06	11	39	.62	137	.14	4	1.86	.04	.32	1	1
MH1 600N 100E	1	34	5	34	.1	17	6	508	1.54	2	6	ND	2	204	1	2	5	31	7.08	.04	6	24	.68	155	.08	12	1.05	.05	.22	1	1
MH1 600N 150E	1	46	8	121	.1	18	9	1121	2.49	11	5	ND	1	55	1	2	2	48	.83	.35	7	29	.40	223	.12	4	2.11	.04	.09	4	2
MH1 600N 200E	1	48	5	52	.1	24	10	547	2.68	2	5	ND	2	51	1	3	2	57	.68	.03	11	37	.66	177	.17	2	2.18	.04	.18	1	1
MH1 600N 250E	1	47	11	66	.2	20	10	586	2.58	8	5	ND	2	41	1	3	2	51	.54	.13	10	23	.43	168	.15	5	3.27	.05	.08	1	1
MH1 600N 300E	1	44	8	82	.1	23	10	839	2.64	3	5	ND	2	54	1	2	2	53	.65	.07	11	38	.60	228	.16	5	2.25	.03	.22	1	1
MH1 600N 350E	1	35	8	56	.1	20	9	772	2.30	4	5	ND	2	60	1	2	2	44	.71	.07	9	30	.51	204	.14	4	2.12	.03	.23	1	1
MH1 600N 400E	1	44	7	69	.1	23	11	717	2.66	5	5	ND	2	72	1	2	2	56	.67	.08	11	39	.65	196	.16	6	2.06	.05	.29	1	1
MH1 600N 450E	1	38	8	70	.1	18	8	785	2.21	3	5	ND	1	39	1	2	2	43	.50	.16	8	23	.44	163	.13	4	2.46	.04	.10	1	1
MH1 600N 500E	1	57	2	67	.1	21	11	728	2.54	4	5	ND	1	51	1	3	2	52	.65	.04	8	26	.64	210	.17	6	2.62	.05	.16	1	1
MH1 500N 500W	1	42	14	60	.2	32	10	777	2.51	5	5	ND	1	54	1	2	2	48	.65	.05	9	56	.59	203	.14	6	2.56	.04	.13	1	1
MH1 500N 450W	1	43	11	70	.1	27	11	797	2.71	7	5	ND	2	51	1	3	2	53	.52	.04	11	45	.54	180	.17	3	2.79	.04	.22	1	1
MH1 500N 400W	1	53	5	61	.1	74	14	648	3.04	3	5	ND	2	71	1	2	2	65	.84	.05	11	119	1.14	141	.16	8	1.89	.04	.32	1	1
MH1 500N 350W	1	44	11	58	.1	84	14	663	2.94	7	5	ND	1	73	1	2	2	63	.74	.09	12	133	1.27	167	.14	6	2.20	.07	.27	1	1
MH1 500N 300W	1	45	2	60	.1	39	11	679	2.01	5	5	ND	1	149	1	2	2	42	1.22	.12	9	74	.89	153	.08	13	1.65	.04	.24	1	1
MH1 500N 250W	1	44	13	71	.2	27	11	719	2.74	7	5	ND	1	72	1	3	2	55	.71	.11	14	52	.76	166	.14	7	2.38	.06	.34	1	1
MH1 500N 200W	1	56	8	79	.1	28	12	677	3.08	7	5	ND	2	74	1	2	2	61	.79	.09	15	49	.80	176	.16	8	2.58	.05	.35	1	1
MH1 500N 150W	1	49	10	77	.3	28	12	740	3.31	8	5	ND	2	79	1	2	2	73	.81	.09	15	53	.85	193	.18	7	2.63	.04	.32	1	1
MH1 500N 100W	1	53	7	75	.1	26	12	744	2.95	8	5	ND	1	83	1	2	2	62	.86	.11	13	44	.72	196	.15	5	2.51	.06	.30	1	1
MH1 500N 50W	1	42	7	67	.1	23	11	697	2.58	7	5	ND	1	66	1	3	2	55	.66	.11	12	38	.62	179	.14	4	2.28	.06	.22	1	1
MH1 500N 0E	1	39	5	71	.1	20	9	775	2.31	3	5	ND	1	80	1	2	3	49	1.08	.12	10	37	.56	195	.12	6	1.91	.04	.24	1	1
MH1 500N 50E	1	43	9	45	.2	18	8	846	1.85	4	5	ND	2	127	1	2	2	33	7.19	.07	8	22	.63	145	.10	10	1.84	.07	.22	1	1
STD C/AU-0.5	22	59	40	133	7.0	70	30	1184	3.95	40	18	8	34	48	18	17	20	59	.50	.11	40	60	.86	178	.08	38	1.73	.07	.11	14	490

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	Aue PPB
MH1 500N 100E	1	44	9	48	.2	25	8	686	2.19	2	5	ND	1	65	1	2	2	44	1.50	.03	10	37	.57	145	.12	12	1.56	.03	.29	2	5
MH1 500N 150E	1	34	6	53	.1	16	9	1029	2.24	4	5	ND	1	40	1	2	2	43	.70	.05	8	29	.47	192	.13	6	2.16	.03	.19	1	1
MH1 500N 200E	1	20	8	83	.1	10	6	933	1.81	2	5	ND	1	32	1	2	2	35	.48	.10	5	16	.27	191	.10	3	1.71	.04	.11	1	1
MH1 500N 250E	1	22	5	59	.1	15	7	1468	2.05	3	5	ND	1	38	1	2	2	36	.49	.02	5	24	.45	219	.12	2	1.72	.03	.17	1	25
MH1 500N 300E	1	42	9	71	.1	21	11	795	2.94	2	5	ND	2	41	1	2	2	58	.48	.03	12	46	.74	209	.18	4	2.45	.03	.39	1	1
MH1 500N 350E	1	33	10	56	.1	17	10	655	2.63	4	5	ND	1	42	1	2	2	50	.47	.02	8	36	.60	162	.15	6	2.15	.03	.25	1	1
MH1 500N 400E	1	14	5	88	.1	5	4	1212	1.08	3	5	ND	1	40	1	2	2	20	.49	.12	4	10	.16	248	.06	5	1.09	.03	.12	1	1
MH1 500N 450E	1	36	7	54	.1	21	10	680	2.43	2	5	ND	1	51	1	2	2	48	.45	.04	8	37	.61	151	.14	7	1.78	.03	.25	1	1
MH1 500N 500E	1	37	13	59	.1	22	10	724	2.56	4	5	ND	2	52	1	2	2	51	.60	.03	11	36	.58	186	.15	5	2.11	.03	.28	1	2
MH1 400N 500W	1	58	6	74	.3	46	12	778	2.80	6	5	ND	1	62	1	2	2	60	.79	.10	10	76	.81	165	.12	6	1.94	.03	.30	1	1
MH1 400N 450W	1	49	4	79	.2	40	11	836	2.48	4	5	ND	1	78	1	2	2	50	1.00	.12	10	64	.78	189	.10	10	1.77	.03	.27	1	2
MH1 400N 400W	1	50	4	69	.1	26	9	688	2.02	4	5	ND	1	74	1	2	4	38	1.16	.08	8	42	.55	210	.10	8	1.80	.03	.19	1	1
MH1 400N 350W	1	40	4	33	.1	23	7	432	1.54	5	5	ND	3	202	1	2	3	31	6.43	.19	6	37	.67	144	.07	35	.94	.22	.34	1	1
MH1 400N 300W	1	41	8	58	.1	52	10	665	2.16	4	5	ND	1	84	1	2	2	48	.94	.11	8	96	.84	156	.09	13	1.38	.04	.24	1	2
MH1 400N 250W	1	38	2	87	.3	20	8	745	1.97	3	5	ND	1	80	1	2	2	38	1.16	.10	8	36	.49	211	.09	7	1.69	.03	.22	1	4
MH1 400N 200W	1	39	10	68	.1	20	10	717	2.52	3	5	ND	1	70	1	2	2	50	.73	.11	9	38	.64	233	.11	7	2.38	.07	.20	1	1
MH1 400N 150W	1	44	6	75	.2	24	9	752	2.34	4	5	ND	1	70	1	2	2	45	.86	.09	9	38	.55	207	.10	4	1.94	.03	.27	1	3
MH1 400N 100W	1	45	8	70	.1	23	9	732	2.06	3	5	ND	1	91	1	2	3	40	1.12	.12	9	33	.50	212	.08	5	1.89	.03	.22	1	1
MH1 400N 50W	1	42	7	61	.8	21	9	642	2.23	2	5	ND	1	73	1	2	2	43	.73	.11	9	31	.52	190	.10	6	2.07	.04	.24	1	1
MH1 400N 0E	1	44	10	78	.1	17	8	806	2.09	2	5	ND	1	76	1	2	2	40	.77	.14	8	27	.45	188	.09	9	2.09	.03	.23	1	2
MH1 400N 50E	1	31	2	39	.1	14	4	412	1.19	2	6	ND	2	320	1	2	4	24	6.95	.09	5	18	.86	125	.04	18	.91	.03	.20	1	1
MH1 400N 100E	1	36	7	53	.1	22	10	440	2.61	3	5	ND	2	46	1	2	2	50	.57	.01	10	34	.69	98	.15	9	1.97	.04	.25	1	1
MH1 400N 150E	1	33	15	64	.1	17	9	851	2.31	2	5	ND	1	68	1	2	2	46	.71	.02	8	26	.51	200	.14	7	2.34	.04	.17	1	1
MH1 400N 200E	1	34	6	80	.1	12	6	1233	1.45	2	5	ND	1	52	1	2	2	27	.66	.10	4	15	.25	258	.07	7	1.21	.03	.11	1	2
MH1 400N 250E	1	37	9	76	.1	21	11	985	2.71	2	5	ND	2	46	1	2	2	51	.56	.03	11	35	.58	187	.15	6	2.39	.03	.29	1	1
MH1 400N 300E	1	40	10	85	.1	20	9	817	2.46	4	5	ND	1	54	1	2	2	49	.65	.07	10	37	.61	212	.13	5	2.02	.03	.31	1	1
MH1 400N 350E	1	63	7	112	.1	14	8	915	2.11	3	5	ND	1	55	1	2	3	38	.59	.22	7	19	.43	248	.11	7	2.32	.03	.09	1	1
MH1 400N 400E	1	46	3	150	.1	19	11	1524	2.70	3	5	ND	1	51	1	2	2	51	.56	.05	9	35	.60	352	.15	3	2.55	.03	.28	1	3
MH1 400N 450E	1	45	7	52	.1	23	8	581	2.15	3	5	ND	1	91	1	2	2	43	1.22	.05	8	32	.61	158	.12	9	1.53	.05	.26	1	1
MH1 400N 500E	1	34	9	69	.1	19	9	718	2.24	2	5	ND	1	74	1	2	2	44	.71	.08	9	31	.57	195	.11	9	1.85	.03	.24	1	1
MH1 300N 500W	1	44	7	91	.1	18	9	905	2.02	3	5	ND	1	44	1	2	3	37	.47	.09	7	28	.47	181	.10	5	1.73	.03	.14	1	4
MH1 300N 450W	1	16	2	56	.1	17	5	713	1.86	2	5	ND	1	30	1	2	2	34	.33	.03	4	21	.31	140	.11	5	1.73	.04	.13	1	3
MH1 300N 400W	1	40	14	105	.1	28	12	1589	2.94	4	5	ND	2	48	1	2	2	57	.50	.04	11	49	.57	273	.17	9	2.80	.02	.21	1	4
MH1 300N 350W	1	20	2	53	.1	14	7	619	1.84	3	5	ND	1	38	1	2	3	33	.47	.04	5	29	.35	105	.11	9	1.48	.03	.16	1	1
MH1 300N 300W	1	27	2	54	.1	17	7	510	2.01	3	5	ND	1	49	1	2	3	41	.54	.06	4	36	.41	109	.12	10	1.24	.03	.21	1	1
MH1 200N 500W	1	55	9	68	.1	35	12	784	2.80	4	5	ND	1	61	1	2	2	58	.81	.06	10	49	.77	157	.12	4	2.04	.03	.24	1	1
STD C/AU-0.5	20	60	42	135	7.0	73	30	1201	3.97	40	17	8	34	48	17	15	21	60	.51	.11	39	62	.88	181	.08	38	1.73	.07	.11	13	500

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
MH1 200N 450W	1	33	6	99	.2	29	10	1077	2.55	2	5	ND	1	62	1	2	2	49	.89	.20	6	43	.52	203	.13	10	2.65	.03	.18	1	1
MH1 200N 400W	1	22	12	57	.1	19	7	881	1.85	2	5	ND	1	41	1	2	2	35	.52	.04	3	31	.37	152	.11	5	1.68	.03	.12	1	1
MH1 200N 350W	1	30	4	105	.1	18	6	1382	1.80	2	5	ND	1	40	1	2	2	33	.40	.10	2	23	.26	253	.11	10	1.92	.03	.10	1	6
MH1 200N 300W	1	25	8	72	.1	16	6	932	1.89	2	5	ND	1	37	1	2	2	39	.34	.05	2	24	.31	201	.12	5	1.86	.03	.07	1	2
MH1 200N 250W	1	123	2	69	.1	15	10	1220	1.63	2	5	ND	1	127	1	2	2	32	3.55	.29	6	21	.39	191	.07	24	1.60	.03	.15	1	1
MH1 200N 200W	1	48	2	53	.3	46	11	624	2.72	3	5	ND	1	64	1	2	2	62	.80	.07	9	59	.80	138	.15	2	1.82	.04	.26	1	3
MH1 200N 150W	1	48	2	73	.3	28	10	726	2.46	5	5	ND	1	61	1	2	2	52	.77	.08	8	51	.56	185	.13	12	1.95	.04	.27	1	4
MH1 200N 100W	1	53	4	71	.2	50	12	645	2.80	2	5	ND	1	62	1	2	2	62	.67	.09	9	82	.92	137	.14	3	2.11	.05	.27	1	3
MH1 200N 50W	1	58	6	76	.1	22	8	739	1.89	2	5	ND	1	74	1	2	3	37	1.17	.12	7	29	.48	213	.09	12	1.99	.05	.25	3	1
MH1 50N 100W	1	35	5	53	.1	34	10	705	2.31	2	5	ND	1	88	1	2	2	49	.80	.05	10	56	.71	155	.14	12	1.61	.04	.28	1	1
MH1 50N 75W	1	40	4	50	.1	32	11	735	2.39	2	5	ND	1	90	1	2	2	51	.72	.07	9	61	.85	128	.13	7	1.58	.05	.32	1	1
MH1 50N 50W	1	45	5	63	.1	34	9	689	2.06	5	5	ND	1	158	1	2	2	43	1.65	.07	6	54	1.40	180	.10	15	1.32	.10	.43	1	2
MH1 50N 25W	1	36	3	50	.1	41	10	770	2.15	2	5	ND	1	66	1	2	2	42	.67	.05	6	79	.63	185	.12	7	1.81	.03	.26	1	4
MH1 50N 0E	1	50	6	68	.2	32	11	803	2.77	2	5	ND	2	60	1	2	2	59	.66	.07	8	65	.73	166	.15	7	1.96	.04	.35	1	2
MH1 50N 25E	1	57	5	60	.1	35	13	820	2.98	3	5	ND	2	57	1	2	2	63	.69	.05	9	57	.80	187	.17	3	2.35	.03	.31	1	3
MH1 50N 50E	1	31	5	58	.1	25	10	753	2.56	2	5	ND	2	51	1	2	2	51	.45	.02	8	36	.46	188	.16	2	2.49	.04	.16	1	1
MH1 50N 75E	1	30	7	50	.2	15	8	890	2.21	2	5	ND	2	44	1	2	2	43	.42	.02	6	28	.35	183	.14	3	2.49	.03	.13	1	1
MH1 50N 100E	1	40	5	49	.1	24	9	754	2.44	2	5	ND	1	45	1	2	2	50	.54	.02	6	40	.56	152	.15	3	1.98	.03	.26	1	4
MH1 50S 100W	1	20	2	39	.1	29	7	452	1.82	2	5	ND	1	68	1	2	2	41	.75	.04	3	86	.54	86	.11	8	1.10	.03	.20	1	3
MH1 50S 75W	1	18	2	29	.1	34	6	306	1.71	2	5	ND	1	37	1	2	2	39	.33	.02	2	100	.45	64	.10	2	.98	.02	.10	1	10
MH1 50S 50W	1	31	2	47	.1	22	8	535	2.07	2	5	ND	1	42	1	2	2	40	.34	.04	7	43	.52	115	.13	2	1.58	.03	.19	1	1
MH1 50S 25W	1	45	13	62	.2	27	10	630	2.62	4	5	ND	1	68	1	2	2	55	.70	.08	10	53	.65	197	.14	7	2.43	.05	.23	1	1
MH1 50S 0E	1	117	2	52	.3	29	13	589	2.43	2	5	ND	1	62	1	2	2	50	.95	.05	8	54	.69	161	.14	9	2.00	.04	.28	1	4
MH1 50S 25E	1	91	3	70	.1	46	13	996	2.84	2	5	ND	2	49	1	2	2	58	.60	.06	9	89	.66	232	.17	4	2.54	.04	.26	1	1
MH1 50S 50E	1	105	3	62	.1	68	14	815	2.89	4	5	ND	2	52	1	2	2	61	.61	.04	10	142	.83	194	.15	3	2.53	.04	.20	1	3
MH1 50S 75E	1	53	4	69	.1	34	12	789	2.74	2	5	ND	2	66	1	2	2	57	.72	.06	10	55	.72	192	.16	6	2.13	.04	.29	1	1
MH1 50S 100E	1	31	4	56	.1	24	9	862	2.18	2	5	ND	1	49	1	2	2	42	.51	.04	8	42	.45	188	.14	4	1.88	.03	.21	1	4
MH1 200S 500W	1	48	6	77	.1	32	11	846	3.12	6	5	ND	2	62	1	2	3	70	.69	.07	10	54	.72	148	.16	3	2.05	.04	.30	1	16
MH1 200S 450W	1	45	6	69	.1	25	11	794	2.62	3	5	ND	1	72	1	2	2	59	.73	.09	10	42	.59	179	.14	6	2.33	.04	.21	1	2
MH1 200S 400W	1	44	7	102	.2	21	11	1256	2.49	4	5	ND	1	57	1	2	2	56	.56	.15	10	29	.42	172	.10	4	2.46	.03	.10	1	1
MH1 200S 350W	1	50	8	66	.1	26	11	888	2.54	4	5	ND	1	74	1	2	2	54	.76	.09	10	39	.56	180	.13	7	2.43	.03	.14	1	1
MH1 200S 300W	1	38	5	160	.1	25	10	1473	2.28	2	5	ND	1	67	1	2	2	44	.82	.21	6	32	.43	290	.12	8	2.41	.03	.13	1	1
MH1 200S 250W	1	42	8	108	.1	26	11	1232	2.82	5	5	ND	1	56	1	2	2	55	.65	.09	9	42	.56	279	.15	6	2.66	.04	.21	1	3
MH1 200S 200W	1	24	9	100	.1	20	8	1412	2.34	2	5	ND	1	32	1	2	2	52	.38	.09	5	32	.33	174	.13	5	2.24	.03	.07	1	1
MH1 200S 150W	1	27	5	87	.1	34	10	913	2.71	3	5	ND	1	53	1	3	2	53	.50	.05	7	54	.61	206	.17	5	2.55	.03	.13	1	1
MH1 200S 100W	1	100	16	148	.1	15	8	1566	1.26	4	5	ND	1	116	1	2	4	30	3.17	.28	4	14	.39	135	.03	23	1.66	.02	.14	1	2
STD C/AU-0.5	22	60	43	137	7.7	74	30	1219	3.95	38	16	8	35	49	18	17	19	60	.50	.11	37	60	.88	182	.08	40	1.73	.07	.11	14	480

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
MH1 200S 50W	1	29	9	65	.1	24	8	590	2.08	2	5	ND	1	55	1	2	2	43	.54	.04	8	40	.50	150	.12	5	1.60	.03	.17	1	1
MH1 300S 500W	1	39	7	74	.1	21	9	881	2.11	4	5	ND	1	70	1	2	2	43	.82	.10	9	29	.48	197	.10	12	1.87	.03	.29	1	4
MH1 300S 450W	1	47	11	66	.1	27	11	747	2.48	5	5	ND	1	59	1	2	2	52	.68	.10	9	39	.63	158	.10	4	1.82	.03	.26	1	1
MH1 300S 400W	1	60	13	73	.3	33	12	827	2.77	5	5	ND	1	56	1	4	2	58	.66	.09	10	44	.75	156	.12	6	1.96	.03	.32	1	3
MH1 300S 350W	1	53	12	66	.1	23	10	851	2.05	2	5	ND	1	68	1	2	2	39	.86	.11	6	30	.50	176	.09	8	1.78	.03	.20	1	6
MH1 300S 300W	1	47	13	143	.1	16	8	1373	1.88	3	5	ND	1	50	1	2	2	37	.59	.28	6	21	.32	214	.09	2	2.03	.02	.09	1	2
MH1 300S 250W	1	36	11	62	.1	25	10	649	2.24	2	5	ND	1	44	1	2	2	43	.47	.05	8	33	.51	141	.11	4	2.02	.03	.14	1	1
MH1 300S 200W	1	33	10	78	.2	21	9	334	2.83	7	5	ND	1	27	1	2	2	63	.40	.29	5	37	.45	85	.14	4	2.04	.02	.04	1	1
MH1 300S 150W	1	57	5	77	.1	25	12	836	2.88	4	5	ND	1	56	1	2	2	62	.69	.08	10	44	.59	181	.13	6	2.85	.03	.20	1	1
MH1 300S 100W	1	26	6	182	.1	11	6	2337	1.37	2	5	ND	1	62	1	2	2	27	.71	.25	4	16	.23	354	.06	6	1.27	.03	.09	1	3
MH1 300S 50W	1	7	2	128	.1	2	1	890	.15	2	14	ND	1	463	1	2	2	2	5.87	.14	2	2	.18	442	.01	86	.12	.01	.04	1	4
MH1 400S 500W	1	46	13	51	.1	24	9	655	2.14	3	5	ND	1	90	1	2	2	41	.71	.04	8	32	.61	150	.10	8	1.77	.03	.25	1	1
MH1 400S 450W	1	52	9	71	.3	27	12	761	2.73	4	5	ND	1	67	1	3	2	59	.69	.10	11	41	.66	178	.12	5	2.18	.03	.25	1	1
MH1 400S 400W	1	90	5	62	.2	47	16	669	3.35	6	5	ND	1	61	1	2	2	77	.82	.09	11	59	1.10	137	.15	3	2.23	.04	.15	1	3
MH1 400S 350W	1	36	3	37	.1	15	8	350	1.87	2	5	ND	1	32	1	2	2	32	.51	.02	6	29	.36	69	.10	4	1.57	.04	.20	1	1
MH1 400S 300W	1	47	8	126	.1	12	8	1560	1.87	7	5	ND	1	47	1	2	3	40	.55	.19	6	21	.28	213	.08	3	1.88	.03	.06	1	2
MH1 400S 250W	1	41	7	70	.1	14	9	321	2.54	7	5	ND	1	27	1	2	2	62	.26	.26	5	22	.32	50	.12	5	2.38	.02	.04	1	7
MH1 400S 200W	1	32	8	87	.1	20	10	1129	2.54	5	5	ND	1	43	1	2	2	48	.40	.06	9	36	.46	214	.13	6	2.44	.03	.17	1	2
MH1 400S 150W	1	27	4	109	.1	15	7	1194	1.84	2	5	ND	1	44	1	2	2	32	.54	.08	6	28	.36	236	.10	7	1.70	.02	.14	1	1
MH1 400S 100W	1	41	9	73	.1	34	11	864	2.52	3	5	ND	2	56	1	3	2	53	.65	.04	9	49	.71	168	.14	5	1.89	.03	.18	1	4
MH1 400S 50W	1	79	2	70	.3	23	13	929	2.65	2	5	ND	1	88	1	2	2	57	1.02	.06	6	39	.68	130	.12	13	2.15	.02	.29	1	1
MH1 600S 500W	1	62	9	66	.1	29	12	793	2.74	8	5	ND	1	61	1	2	2	61	.74	.10	9	47	.73	161	.11	11	2.06	.03	.24	1	1
MH1 600S 450W	1	44	10	66	.2	25	12	822	2.55	5	5	ND	1	75	1	2	2	55	.83	.14	8	43	.67	172	.11	10	1.96	.02	.30	1	2
MH1 600S 400W	1	45	4	42	.1	24	10	511	2.27	3	5	ND	1	44	1	2	2	46	.51	.06	7	36	.54	111	.11	8	1.52	.03	.15	1	1
MH1 600S 350W	1	30	11	75	.1	23	10	780	2.73	4	5	ND	2	39	1	2	2	54	.42	.04	10	34	.49	171	.15	3	2.66	.03	.11	1	2
MH1 600S 300W	1	48	4	84	.1	18	10	838	2.06	6	5	ND	1	62	1	2	4	40	.84	.15	7	29	.52	181	.09	5	1.78	.03	.17	1	1
MH1 600S 250W	1	37	8	60	.1	22	9	833	2.22	3	5	ND	1	53	1	2	2	45	.53	.08	9	33	.49	201	.11	3	2.17	.03	.12	1	1
MH1 600S 200W	1	52	10	78	.2	37	11	832	2.55	7	5	ND	1	58	1	2	2	52	.78	.10	10	54	.72	158	.10	7	1.83	.03	.30	1	1
MH1 600S 150W	1	64	6	72	.3	39	13	867	2.87	9	5	ND	1	54	1	2	2	60	.74	.09	9	57	.82	157	.11	3	1.83	.03	.31	1	1
MH1 600S 100W	1	33	7	50	.1	18	7	200	1.86	2	5	ND	1	50	1	2	3	34	.72	.03	8	38	.50	108	.11	6	1.79	.03	.22	1	1
MH1 600S 50W	1	27	5	65	.1	23	8	1035	2.24	2	5	ND	1	41	1	2	2	43	.47	.08	7	34	.42	169	.13	4	2.24	.03	.22	1	1
MH1 600S 0E	2	15	7	121	.1	15	6	1914	1.83	2	5	ND	1	45	1	2	2	33	.54	.06	4	23	.29	221	.10	6	1.64	.02	.17	1	1
MH1 600S 50E	1	61	11	84	.1	23	13	1115	3.28	2	5	ND	1	49	1	2	2	66	.96	.03	8	41	.67	142	.12	10	2.38	.02	.22	1	2
MH1 600S 100E	1	19	5	78	.1	8	8	838	2.05	2	5	ND	1	60	1	2	3	37	.82	.04	3	19	.35	131	.09	11	1.57	.02	.15	1	1
MH1 600S 150E	1	90	4	23	.1	34	6	342	1.00	3	10	ND	3	383	1	2	4	27	14.73	.14	4	37	.63	224	.04	22	.66	.03	.10	1	1
MH1 600S 200E	1	30	6	24	.1	65	7	320	1.16	3	11	ND	3	323	1	2	3	28	14.77	.07	4	87	1.01	254	.05	10	.71	.03	.13	1	1
STD C/AU-0.5	22	60	41	136	7.0	75	30	1215	3.98	38	16	8	34	49	18	15	18	61	.47	.10	39	60	.89	183	.08	35	1.73	.07	.11	14	500

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
MH1 600S 250E	1	460	8	115	.1	40	22	3251	2.32	2	5	ND	1	125	1	2	3	44	1.42	.16	7	24	.42	559	.08	11	1.46	.03	.18	1	2
MH1 600S 300E	1	15	4	26	.1	7	5	222	1.33	2	5	ND	1	25	1	2	2	27	.30	.02	2	17	.19	32	.10	8	1.05	.04	.09	1	1
MH1 600S 350E	1	25	6	46	.1	17	8	475	2.00	3	5	ND	1	48	1	2	2	40	.70	.04	7	33	.39	132	.14	5	1.79	.03	.17	1	1
MH1 600S 400E	1	31	8	57	.1	24	10	682	2.52	2	5	ND	2	53	1	2	2	54	.66	.04	10	44	.52	184	.16	4	2.02	.04	.17	1	1
MH1 600S 450E	1	48	10	79	.1	19	11	1055	2.41	2	5	ND	2	54	1	2	2	49	.76	.07	11	32	.51	215	.15	12	2.19	.04	.22	1	2
MH1 600S 500E	1	62	8	77	.1	28	13	951	3.20	2	5	ND	2	61	1	2	2	71	.72	.05	14	44	.77	247	.18	6	2.60	.04	.22	1	9
MH 300N 50E	1	35	8	62	.1	20	9	777	2.30	2	5	ND	1	62	1	2	2	50	.98	.03	8	42	.57	124	.14	8	1.69	.04	.26	1	26
MH 300N 100E	1	31	4	44	.1	17	8	259	2.24	3	5	ND	1	42	1	2	2	46	.42	.02	9	34	.48	95	.15	9	2.10	.05	.15	1	1
MH 300N 150E	1	54	7	94	.1	16	9	1121	2.36	2	5	ND	1	66	1	2	2	47	.90	.09	11	28	.45	270	.13	7	2.46	.03	.17	1	1
MH 300N 200E	1	45	5	59	.1	19	10	704	2.41	2	5	ND	1	81	1	2	3	51	.88	.03	10	34	.58	148	.15	7	1.79	.04	.20	1	10
MH 300N 250E	1	45	10	68	.1	19	11	1072	2.34	2	5	ND	1	68	1	2	2	47	1.02	.06	8	29	.54	162	.13	9	1.95	.03	.28	1	3
MH 300N 300E	1	30	9	89	.1	16	9	969	2.48	2	5	ND	1	50	1	2	2	51	.56	.06	7	29	.47	219	.15	6	2.51	.04	.18	1	1
MH 300N 350E	1	39	11	79	.1	28	12	534	3.18	2	5	ND	2	54	1	3	2	67	.56	.07	10	49	.75	192	.22	8	2.78	.04	.30	1	5
MH 300N 400E	1	27	8	50	.2	15	8	691	2.13	2	5	ND	1	55	1	2	2	46	.58	.03	9	33	.48	170	.15	7	1.82	.04	.21	1	1
MH 300N 450E	1	54	10	81	.1	35	14	1069	3.10	2	5	ND	2	66	1	2	2	64	.76	.05	12	53	.81	206	.17	4	2.14	.04	.41	1	2
MH 300N 500E	1	26	6	42	.1	13	7	300	2.09	5	5	ND	1	49	1	2	2	43	.50	.02	6	26	.45	104	.14	8	1.57	.05	.18	1	1
MH 200N 0E	1	49	12	111	.1	19	11	1239	2.69	2	5	ND	2	50	1	2	2	52	.61	.04	12	31	.47	327	.17	9	3.16	.05	.18	1	3
MH 200N 50E	1	22	10	59	.1	12	7	1268	1.89	2	5	ND	1	35	1	2	2	37	.50	.05	7	23	.29	172	.12	6	2.18	.03	.12	1	2
MH 200N 100E	1	24	11	57	.1	6	5	620	1.78	2	5	ND	1	25	1	2	2	34	.28	.06	4	13	.21	153	.11	2	2.11	.03	.07	1	1
MH 200N 150E	1	36	2	39	.1	4	1	154	.24	2	5	ND	1	316	1	2	6	11	29.58	.13	2	1	.27	148	.01	14	.12	.03	.01	1	1
MH 200N 200E	1	47	2	21	.1	8	2	204	.30	3	8	ND	2	346	1	2	6	21	26.76	.16	2	4	.31	175	.01	18	.18	.03	.03	1	2
MH 200N 250E	1	31	13	58	.1	18	10	590	2.86	2	5	ND	2	53	1	2	2	67	.60	.02	9	37	.52	128	.22	5	2.56	.03	.18	1	3
MH 200N 300E	1	38	6	79	.1	19	10	1039	2.70	3	5	ND	2	48	1	2	2	57	.53	.06	9	35	.50	233	.17	8	2.78	.04	.16	1	1
MH 200N 350E	1	59	12	105	.1	21	13	1690	2.94	4	5	ND	1	74	1	2	2	62	.93	.08	13	35	.60	230	.16	8	2.71	.04	.28	1	4
MH 200N 400E	1	33	12	126	.1	17	9	1214	2.39	4	5	ND	2	34	1	2	2	51	.39	.12	8	25	.39	174	.15	5	2.66	.05	.09	1	1
MH 200N 425E	1	39	13	75	.2	18	9	914	2.39	2	5	ND	1	75	1	2	2	53	1.03	.05	12	32	.56	234	.16	5	2.07	.04	.22	1	2
MH 200N 450E	1	23	9	59	.1	16	8	760	2.32	3	5	ND	3	45	1	2	2	47	.49	.02	8	29	.46	230	.17	6	2.40	.04	.16	1	3
MH 200N 500E	1	24	11	78	.2	17	8	653	2.28	2	5	ND	1	41	1	2	2	46	.47	.04	7	33	.47	184	.16	6	1.94	.04	.22	1	2
MH 200S 50E	1	56	14	83	.2	33	13	764	2.85	3	5	ND	1	74	1	2	2	61	.72	.09	11	65	.86	158	.15	7	2.34	.06	.37	1	1
MH 200S 100E	1	49	7	70	.1	33	10	906	2.26	5	5	ND	1	96	1	2	2	49	.91	.08	9	66	.73	192	.12	9	1.71	.05	.26	1	1
MH 200S 150E	1	65	13	69	.2	27	13	808	2.90	2	5	ND	2	76	1	2	2	66	1.00	.04	13	44	.73	179	.18	9	2.30	.04	.22	1	2
MH 200S 200E	1	92	17	152	.2	15	9	1563	2.23	5	5	ND	1	59	1	2	2	46	.88	.31	6	21	.35	332	.11	4	2.38	.04	.07	1	3
MH 200S 250E	1	39	11	76	.2	18	9	646	2.71	2	5	ND	2	50	1	3	2	57	.62	.08	6	32	.52	181	.17	4	3.07	.03	.08	1	1
MH 200S 300E	1	53	12	74	.2	20	12	880	2.70	2	5	ND	2	57	1	2	2	60	.80	.04	11	43	.68	161	.16	6	1.83	.04	.26	1	28
MH 200S 350E	1	46	10	128	.1	10	7	2029	1.79	4	5	ND	1	45	1	2	2	36	.81	.13	7	17	.35	442	.09	11	1.79	.03	.18	1	1
MH 200S 400E	1	58	13	79	.2	14	12	1569	3.45	3	5	ND	2	39	1	2	2	63	.70	.04	10	26	.42	284	.12	7	2.32	.03	.26	1	1
STD C/AU-0.5	21	62	40	139	7.1	73	31	1237	3.99	38	17	8	36	50	19	17	19	62	.47	.11	39	63	.86	185	.08	36	1.73	.07	.11	13	490

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
MH 200S 450E	1	51	6	70	.1	18	12	900	2.68	3	5	ND	2	45	1	2	2	58	.55	.03	10	31	.59	203	.15	3	2.43	.03	.21	1	1
MH 200S 500E	1	38	8	66	.2	21	11	842	2.54	2	5	ND	2	47	1	2	2	55	.49	.03	11	32	.51	171	.14	10	2.21	.03	.20	1	1
MH 300S 0E	1	58	5	57	.2	49	13	630	2.66	6	5	ND	2	103	1	2	2	67	2.79	.11	9	71	1.23	149	.14	2	1.44	.07	.19	1	4
MH 300S 50E	1	67	7	52	.1	40	12	594	2.54	5	5	ND	2	81	1	2	2	66	1.82	.09	9	70	1.04	102	.14	2	1.35	.09	.19	1	3
MH 300S 100E	1	53	2	38	.1	19	7	445	1.64	3	5	ND	2	290	1	2	2	41	4.23	.05	7	42	1.65	137	.08	14	1.05	.13	.28	1	1
MH 300S 150E	1	44	9	58	.2	29	11	746	2.58	2	5	ND	2	48	1	2	2	52	.52	.03	10	46	.61	149	.15	2	2.05	.03	.16	1	1
MH 300S 200E	1	36	11	53	.1	16	8	953	2.16	2	5	ND	1	34	1	2	2	40	.51	.03	6	30	.41	198	.11	3	2.20	.03	.07	1	1
MH 300S 250E	1	54	10	79	.1	13	8	1059	2.17	2	5	ND	1	39	1	2	2	46	.51	.05	7	19	.34	297	.12	5	2.53	.04	.08	1	1
MH 300S 300E	1	58	12	74	.1	15	13	1707	2.88	2	5	ND	1	45	1	2	2	58	.78	.05	11	26	.63	226	.10	2	2.57	.03	.21	1	2
MH 300S 350E	1	39	3	40	.1	15	9	539	2.28	2	5	ND	1	34	1	2	2	52	.45	.02	7	34	.54	86	.13	6	1.44	.02	.31	1	1
MH 300S 400E	1	52	9	61	.2	22	12	874	2.64	2	5	ND	2	49	1	2	2	55	.56	.04	11	38	.61	155	.14	6	1.81	.03	.29	1	4
MH 300S 450E	1	44	10	50	.1	19	10	678	2.41	3	5	ND	2	44	1	2	2	51	.49	.03	9	31	.61	132	.14	8	1.72	.03	.32	1	1
MH 300S 500E	1	49	5	37	.1	18	8	543	1.79	2	5	ND	2	72	1	2	3	37	3.77	.04	7	23	.50	130	.10	14	1.19	.14	.26	1	1
MH 400S 0E	1	12	2	48	.1	6	3	114	1.32	2	5	ND	1	64	1	2	2	28	.38	.21	2	9	.11	147	.07	4	.75	.03	.03	1	1
MH 400S 50E	1	59	8	108	.1	23	8	607	1.60	6	5	ND	3	343	1	2	2	54	7.79	.27	8	33	.66	311	.08	42	1.42	.23	.22	1	2
MH 400S 100E	1	38	6	50	.1	22	10	755	2.22	3	5	ND	1	55	1	2	2	46	.50	.05	9	47	.54	150	.12	7	1.59	.03	.21	2	3
MH 400S 150E	1	31	2	22	.1	13	4	243	1.01	2	7	ND	4	321	1	2	3	21	17.55	.03	4	25	.65	115	.04	12	.62	.03	.12	1	1
MH 400S 200E	1	37	2	57	.1	25	9	829	2.15	2	5	ND	1	59	1	2	2	41	.70	.08	9	47	.50	171	.11	10	1.51	.03	.29	1	1
MH 400S 250E	1	52	7	64	.1	28	12	766	2.78	7	5	ND	1	62	1	2	2	60	.69	.10	11	50	.75	174	.12	2	1.95	.03	.30	1	1
MH 400S 300E	1	39	8	49	.1	17	8	700	1.90	2	5	ND	1	40	1	2	2	36	.63	.07	7	26	.38	188	.11	7	1.84	.03	.16	1	1
MH 400S 350E	1	31	9	53	.2	17	9	666	2.47	2	5	ND	2	40	1	2	4	48	.42	.02	9	31	.46	177	.15	6	2.38	.03	.13	1	6
MH 400S 400E	1	32	8	45	.1	15	9	743	2.03	3	5	ND	1	38	1	2	2	38	.55	.03	7	26	.42	142	.12	8	1.63	.03	.21	1	1
MH 400S 450E	1	27	6	63	.1	15	8	604	2.21	2	5	ND	2	27	1	2	2	44	.28	.04	5	24	.38	137	.13	2	1.98	.02	.08	1	1
MH 400S 500E	1	23	8	48	.1	13	8	561	2.14	3	5	ND	2	39	1	2	2	46	.41	.03	8	32	.44	141	.14	3	1.56	.03	.10	1	1
MH 500S 500W	1	56	5	54	.1	27	11	712	2.32	4	5	ND	1	69	1	2	2	46	.71	.04	9	35	.68	157	.11	6	1.64	.03	.18	1	3
MH 500S 450W	1	35	2	48	.1	20	8	562	2.32	2	5	ND	1	35	1	2	2	48	.40	.03	8	27	.45	152	.13	11	2.30	.03	.17	1	1
MH 500S 400W	1	59	9	80	.1	37	14	968	3.09	6	5	ND	2	50	1	2	2	66	.57	.05	10	49	.78	161	.15	3	2.21	.02	.16	1	1
MH 500S 350W	1	30	5	48	.1	22	7	468	2.15	3	5	ND	2	33	1	2	2	41	.40	.03	8	30	.44	106	.12	5	1.95	.03	.10	1	1
MH 500S 300W	1	26	8	64	.1	16	7	1039	1.92	2	5	ND	1	45	1	3	2	37	.49	.05	6	22	.33	180	.11	7	1.65	.03	.14	1	1
MH 500S 250W	1	53	9	93	.2	25	12	962	2.56	8	5	ND	1	67	1	2	2	55	.75	.15	8	37	.60	202	.11	7	2.17	.03	.22	1	2
MH 500S 200W	1	80	7	84	.3	37	16	865	3.18	9	5	ND	2	61	1	2	2	75	1.43	.15	10	49	1.14	192	.14	6	2.08	.03	.31	1	1
MH 500S 150W	1	62	10	100	.1	35	12	1298	2.65	3	5	ND	1	87	1	2	2	58	.56	.12	9	38	.61	201	.13	4	2.58	.03	.12	1	1
MH 500S 100W	1	21	6	102	.1	18	8	1714	2.18	3	5	ND	1	37	1	2	2	40	.40	.04	5	30	.38	272	.13	9	2.23	.02	.11	1	1
MH 500S 50W	1	11	2	87	.1	6	3	1162	.88	4	5	ND	1	20	1	2	2	17	.23	.12	2	10	.11	197	.05	3	.68	.02	.06	1	2
MH 500S 0E	1	29	10	54	.1	40	8	672	2.28	2	5	ND	2	44	1	2	2	43	.58	.03	8	52	.63	119	.14	8	2.28	.02	.12	1	4
MH 500S 50E	1	68	7	56	.2	90	17	1019	3.01	2	5	ND	1	60	1	2	2	61	.75	.02	6	87	1.46	117	.13	8	2.21	.02	.20	1	1
STD C/AU-0.5	22	62	39	138	7.2	75	31	1232	3.98	40	17	8	35	49	18	16	18	62	.50	.11	40	61	.88	185	.08	39	1.73	.07	.11	14	510

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
MH 500S 100E	1	194	2	23	.1	26	5	151	.18	2	5	ND	2	521	1	2	6	13	25.59	.17	2	6	.35	217	.01	23	.07	.02	.02	1	1
MH 500S 150E	1	24	5	31	.1	17	4	342	1.00	2	9	ND	4	886	1	2	2	33	8.97	.06	4	19	2.45	132	.05	34	.70	.08	.18	1	1
MH 500S 200E	1	16	7	29	.1	17	5	309	1.90	2	5	ND	1	47	1	2	2	43	.45	.02	3	44	.47	66	.14	11	1.04	.03	.20	1	1
MH 500S 250E	1	200	4	81	.1	23	17	1311	3.22	3	5	ND	1	51	1	2	2	71	.79	.07	12	41	.59	184	.13	7	2.32	.02	.17	1	2
MH 500S 300E	1	42	6	67	.1	23	9	956	2.27	2	5	ND	1	42	1	2	2	46	.51	.08	9	37	.53	171	.12	5	1.71	.03	.18	1	1
MH 500S 350E	1	50	9	65	.1	28	11	1107	2.53	3	5	ND	2	52	1	2	2	53	.65	.05	9	39	.59	218	.12	6	2.12	.03	.18	1	1
MH 500S 400E	1	36	8	60	.2	27	11	832	2.85	2	5	ND	2	43	1	2	2	57	.54	.02	13	40	.66	175	.15	2	2.43	.03	.21	1	2
MH 500S 450E	1	29	12	66	.1	15	6	1425	1.94	2	5	ND	1	28	1	2	2	34	.39	.03	6	18	.31	222	.09	2	1.89	.02	.10	1	3
MH 500S 500E	1	42	7	89	.1	17	8	1248	2.37	2	5	ND	1	38	1	2	2	51	.50	.10	8	19	.47	257	.11	2	2.17	.03	.10	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
NR-1	1	194	148	150	.1	15	38	2363	6.81	23	5	ND	4	98	1	22	2	197	11.97	.11	10	18	.42	102	.01	11	.74	.01	.08	1	2
NR-2	1	47	55	75	.1	7	16	1934	5.44	18	5	ND	4	180	1	12	2	105	12.44	.07	9	4	1.97	29	.01	10	.60	.03	.06	1	1
NR-3	1	82	50	56	.3	10	15	1291	3.72	10	5	ND	4	83	1	9	2	107	10.69	.09	9	15	.72	61	.01	4	.54	.02	.06	1	1
NR-4	1	15	13	28	.1	5	7	1513	3.48	8	6	ND	2	62	1	2	2	36	6.90	.05	2	5	1.31	12	.01	4	.54	.01	.02	1	5
NR-5	1	72	32	85	.1	18	13	834	3.62	24	5	ND	3	111	1	3	2	75	6.27	.08	11	12	1.81	53	.01	8	.54	.02	.06	1	2
NR-6	1	76	32	70	.1	4	14	1405	3.82	13	5	ND	3	149	1	10	2	100	8.07	.10	8	6	1.67	37	.01	4	.62	.03	.03	1	4
MH-1	3	36002	12	1	27.9	5	1	476	6.37	2	5	ND	1	94	2	22	21	43	2.31	.09	2	3	.57	8	.04	6	.87	.03	.02	1	27
MH-2	1	414	13	30	.3	12	26	621	3.85	2	5	ND	1	154	1	2	2	98	2.59	.14	6	26	1.42	17	.24	3	1.49	.08	.04	1	3
MH-3	1	270	15	38	.1	12	19	698	3.56	6	5	ND	1	65	1	2	2	151	3.01	.10	6	136	1.70	26	.14	3	1.51	.06	.06	1	7
MH-4	1	130	13	85	.1	12	20	875	4.43	4	5	ND	1	53	1	2	2	121	1.36	.12	6	19	2.02	53	.24	2	2.02	.06	.07	1	1
MH-5	1	142	9	26	.1	15	17	585	4.36	2	5	ND	1	39	1	2	2	144	1.88	.13	6	28	1.93	23	.20	5	2.04	.06	.04	1	1
MH-6	1	2582	8	95	.1	21	1	849	4.08	3	5	ND	1	227	1	2	2	133	1.41	.13	7	80	2.60	13	.16	2	2.51	.03	.03	1	1
MH-7	1	1901	11	52	14.6	12	1	344	4.41	3	5	ND	1	59	1	2	3	65	.31	.07	3	25	1.21	12	.06	2	1.21	.03	.03	1	6
MH-8	1	1979	7	69	1.0	10	1	967	3.28	3	5	ND	2	226	1	2	2	111	4.56	.08	5	12	1.61	23	.13	2	1.97	.03	.02	1	1
MH-9	5	113	9	82	.1	12	19	857	4.31	2	5	ND	1	70	1	2	2	104	1.72	.12	6	18	2.07	52	.18	2	2.23	.10	.10	1	2
MH-10	1	111	14	56	.1	12	15	512	3.25	3	5	ND	1	95	1	2	2	102	1.75	.13	6	24	1.26	32	.22	2	1.43	.07	.07	1	3
MH-11	1	22	2	45	.1	8	11	1086	3.58	6	5	ND	3	37	1	2	2	95	7.06	.14	4	7	.29	115	.01	9	1.05	.01	.13	1	1
MH-12	1	68	4	61	.1	6	12	826	3.38	2	5	ND	1	54	1	2	3	82	1.78	.11	9	10	1.30	84	.16	4	1.55	.07	.09	1	2
MH-13	1	109	13	64	.1	28	21	869	5.16	4	5	ND	1	34	1	2	2	173	1.70	.13	6	30	1.25	31	.34	7	1.42	.05	.06	1	1
MH-14	1	79	6	65	.1	7	14	1142	3.77	4	5	ND	1	76	1	2	2	113	2.69	.13	6	12	1.40	194	.18	3	1.84	.16	.10	1	3
MH-15	4	85	50	64	.1	17	20	725	4.20	6	5	ND	1	153	1	2	2	119	1.88	.15	8	29	1.79	46	.27	7	2.11	.15	.09	1	1
MH-16	1	95	14	70	.1	24	19	913	4.23	2	5	ND	1	67	1	2	2	129	2.69	.12	2	38	1.64	39	.28	4	2.10	.04	.05	1	26
MH-17	1	122	13	63	.1	27	20	823	4.85	4	5	ND	1	28	1	2	2	160	1.84	.12	3	46	1.67	30	.27	5	1.96	.05	.04	1	6
MH-18	1	95	8	76	.1	24	19	950	5.30	3	5	ND	1	54	1	2	2	184	1.54	.13	8	36	1.52	31	.37	8	1.77	.11	.06	1	1
MH-19	1	24	8	56	.1	8	9	875	3.45	4	5	ND	1	52	1	2	2	83	1.95	.06	5	19	1.24	66	.17	2	1.91	.15	.05	1	1
MH-20	1	95	13	98	.1	18	16	717	5.02	3	5	ND	2	93	1	2	2	164	2.82	.14	8	51	1.07	104	.28	8	2.41	.11	.09	1	1
MH-21	1	2440	7	70	.3	20	1	751	4.66	4	5	ND	1	84	1	2	2	149	1.11	.14	4	41	1.92	31	.11	4	1.79	.04	.03	1	2
MH-22	1	4741	7	55	.6	18	1	820	4.17	2	5	ND	1	108	1	2	2	134	2.76	.14	5	37	1.99	26	.13	4	1.97	.04	.04	1	1
MH 1+95S 3+55E-R	1	201	6	64	.1	7	16	1333	4.17	6	5	ND	2	54	1	2	3	78	4.18	.16	8	9	.91	148	.01	8	1.42	.04	.15	1	2
MH 2+00S 4+00E-R	1	104	3	61	.1	8	14	1124	3.62	5	5	ND	2	52	1	2	2	100	3.02	.10	8	13	1.13	151	.03	4	1.17	.07	.09	1	1
STD C/AU-0.5	22	61	42	134	7.0	74	31	1196	3.99	39	16	8	34	48	18	15	19	60	.48	.10	37	59	.91	179	.08	36	1.73	.07	.11	13	500

* Assay required for correct result

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
MR-1	1	194	148	150	.1	15	38	2363	6.81	23	5	ND	4	98	1	22	2	197	11.97	.11	10	18	.42	102	.01	11	.74	.01	.08	1	2
MR-2	1	47	55	75	.1	7	16	1934	5.44	18	5	ND	4	180	1	12	2	105	12.84	.07	9	4	1.97	29	.01	10	.60	.03	.06	1	1
MR-3	1	82	50	56	.3	10	15	1291	3.72	10	5	ND	4	83	1	9	2	107	10.69	.09	9	15	.72	61	.01	4	.58	.02	.06	1	1
MR-4	1	15	13	28	.1	5	7	1513	3.48	8	6	ND	2	62	1	2	2	36	6.90	.05	2	5	1.31	12	.01	4	.54	.01	.02	1	5
MR-5	1	72	32	85	.1	18	13	834	3.62	24	5	ND	3	111	1	3	2	75	6.27	.08	11	12	1.51	53	.01	8	.54	.02	.06	1	2
MR-6	1	76	32	70	.1	4	14	1405	3.82	13	5	ND	3	149	1	10	2	100	8.07	.10	8	6	1.67	37	.01	4	.62	.03	.03	1	4
MH-1	3	36002	12	1	27.9	5	1	476	6.37	2	5	ND	1	94	2	22	21	43	2.31	.09	2	3	.57	8	.04	6	.87	.03	.02	1	27
MH-2	1	414	13	30	.3	12	26	621	3.85	2	5	ND	1	154	1	2	2	98	2.59	.14	6	26	1.42	17	.24	3	1.49	.08	.04	1	3
MH-3	1	270	15	38	.1	12	19	698	3.56	6	5	ND	1	65	1	2	2	151	3.01	.10	6	136	1.70	26	.14	3	1.51	.06	.06	1	7
MH-4	1	130	13	85	.1	12	20	875	4.43	4	5	ND	1	53	1	2	2	121	1.36	.12	6	19	2.02	53	.24	2	2.02	.06	.07	1	1
MH-5	1	142	9	26	.1	15	17	585	4.36	2	5	ND	1	39	1	2	2	144	1.88	.13	6	28	1.93	23	.20	5	2.04	.06	.04	1	1
MH-6	1	2582	8	95	.1	21	1	849	4.08	3	5	ND	1	227	1	2	2	133	1.41	.13	7	80	2.60	13	.16	2	2.51	.03	.03	1	1
MH-7	1	1901	11	52	14.6	12	1	344	4.41	3	5	ND	1	59	1	2	3	65	.31	.07	3	25	1.21	12	.06	2	1.21	.03	.03	1	6
MH-8	1	1979	7	69	1.0	10	1	967	3.28	3	5	ND	2	226	1	2	2	111	4.56	.08	5	12	1.61	23	.13	2	1.97	.03	.02	1	1
MH-9	5	113	9	82	.1	12	19	857	4.31	2	5	ND	1	70	1	2	2	104	1.72	.12	6	18	2.07	52	.18	2	2.23	.10	.10	1	2
MH-10	1	111	14	56	.1	12	15	512	3.25	3	5	ND	1	95	1	2	2	102	1.75	.13	6	24	1.26	32	.22	2	1.43	.07	.07	1	3
MH-11	1	22	2	45	.1	8	11	1086	3.58	6	5	ND	3	37	1	2	2	95	7.06	.14	4	7	.29	115	.01	9	1.05	.01	.13	1	1
MH-12	1	68	4	61	.1	6	12	826	3.38	2	5	ND	1	54	1	2	3	82	1.78	.11	9	10	1.30	84	.16	4	1.55	.07	.09	1	2
MH-13	1	109	13	64	.1	28	21	869	5.16	4	5	ND	1	34	1	2	2	173	1.70	.13	6	30	1.25	31	.34	7	1.42	.05	.06	1	1
MH-14	1	79	6	65	.1	7	14	1142	3.77	4	5	ND	1	76	1	2	2	113	2.69	.13	6	12	1.40	194	.18	3	1.84	.16	.10	1	3
MH-15	4	85	50	64	.1	17	20	725	4.20	6	5	ND	1	153	1	2	2	119	1.88	.15	8	29	1.79	46	.27	7	2.11	.15	.09	1	1
MH-16	1	95	14	70	.1	24	19	913	4.23	2	5	ND	1	67	1	2	2	129	2.69	.12	2	38	1.64	39	.28	4	2.10	.04	.05	1	26
MH-17	1	122	13	63	.1	27	20	823	4.85	4	5	ND	1	28	1	2	2	160	1.84	.12	3	46	1.67	30	.27	5	1.96	.05	.04	1	6
MH-18	1	95	8	76	.1	24	19	950	5.30	3	5	ND	1	54	1	2	2	184	1.54	.13	8	36	1.52	31	.37	8	1.77	.11	.06	1	1
MH-19	1	24	8	56	.1	8	9	875	3.45	4	5	ND	1	52	1	2	2	83	1.95	.06	5	19	1.24	66	.17	2	1.91	.15	.05	1	1
MH-20	1	95	13	98	.1	18	16	717	5.02	3	5	ND	2	93	1	2	2	164	2.82	.14	8	51	1.07	104	.28	8	2.41	.11	.09	1	1
MH-21	1	2440	7	70	.3	20	1	751	4.66	4	5	ND	1	84	1	2	2	149	1.11	.14	4	41	1.92	31	.11	4	1.79	.04	.03	1	2
MH-22	1	4741	7	55	.6	18	1	820	4.17	2	5	ND	1	108	1	2	2	134	2.76	.14	5	37	1.99	26	.13	4	1.97	.04	.04	1	1
MH 1+95S 3+55E-R	1	201	6	64	.1	7	16	1333	4.17	6	5	ND	2	54	1	2	3	78	4.18	.16	8	9	.91	148	.01	8	1.42	.04	.15	1	2
MH 2+00S 4+00E-R	1	104	3	61	.1	8	14	1124	3.62	5	5	ND	2	52	1	2	2	100	3.02	.10	8	13	1.13	151	.03	4	1.17	.07	.09	1	1
STD C/AU-0.5	22	61	42	134	7.0	74	31	1196	3.99	39	16	8	34	48	18	15	19	60	.48	.10	37	59	.91	179	.08	36	1.73	.07	.11	13	500

/ Assay required for correct result —

ACME ANALYTICAL LABORATORIES LTD. 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,CR,MG,BA,TI,B,AL,NA,K,W,SI,ZR,CE,SN,Y,NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAY 12 1986 DATE REPORT MAILED: May 14/86 ASSAYER.. D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 5012 FILE # 86-0669

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
8501	2	336	8	89	.5	11	15	1002	4.30	2	5	ND	1	141	1	4	2	143	4.06	.14	7	21	1.86	101	.24	4	2.23	.10	.08	1	12
8502	2	177	3	71	.3	10	14	895	3.74	2	5	ND	1	107	1	2	2	125	3.84	.14	8	19	1.52	182	.22	3	1.69	.15	.23	1	5
8503	2	1370	9	94	.8	22	24	1177	4.76	2	7	ND	1	134	1	2	3	148	4.15	.15	6	29	2.27	76	.28	2	2.26	.12	.12	1	8
8504	2	14437	9	73	4.7	11	13	573	3.86	12	5	ND	1	154	3	2	2	92	2.07	.12	4	17	1.43	12	.08	5	1.76	.08	.03	1	2
8505	1	388	3	89	.3	13	17	884	3.40	2	8	ND	2	198	1	2	2	107	2.88	.15	5	18	1.87	59	.16	5	2.27	.05	.05	1	2
8506	5	263	8	87	.4	14	16	907	3.41	2	8	ND	2	226	1	2	3	110	3.40	.14	6	25	1.88	31	.19	4	2.38	.08	.04	1	3
8507	1	646	28	80	.6	11	15	776	3.65	19	5	ND	2	209	1	20	2	118	3.39	.13	4	16	1.60	32	.16	3	2.58	.06	.04	1	2
8508	1	144	2	77	.2	10	16	867	3.34	2	5	ND	1	127	1	2	3	107	3.66	.12	5	14	2.02	43	.24	3	2.35	.07	.05	1	3
8509	2	405	4	82	.4	9	16	1007	4.14	3	5	ND	1	149	1	2	2	138	4.27	.11	3	16	2.14	62	.24	2	2.46	.08	.06	1	18
8510	1	137	4	89	.3	9	15	1067	4.42	2	7	ND	1	81	1	5	2	144	3.49	.13	5	12	2.06	86	.23	4	2.16	.10	.12	1	1
8511	1	228	4	63	.3	7	12	853	2.87	2	5	ND	1	181	1	4	3	108	3.74	.12	4	12	1.36	19	.06	2	1.92	.07	.02	1	1
8512	1	99	5	91	.2	11	16	975	3.99	2	7	ND	2	200	1	2	4	148	4.35	.11	3	21	2.09	80	.08	2	2.36	.06	.02	1	1
8513	1	112	5	83	.2	13	16	1111	4.54	3	9	ND	1	82	1	2	2	127	4.74	.13	5	29	2.26	51	.16	2	2.38	.08	.10	1	5
8514	1	153	9	79	.1	16	16	1003	4.02	2	5	ND	1	93	1	2	2	122	3.64	.13	6	37	2.24	60	.27	2	2.47	.12	.08	1	13
8515	1	112	5	68	.3	8	12	901	3.91	2	5	ND	2	95	1	2	2	120	3.77	.12	6	18	1.59	40	.21	2	1.52	.12	.14	1	5
8516	1	31	4	78	.2	11	14	802	4.36	2	5	ND	1	82	1	2	3	132	3.78	.14	7	23	1.72	12	.09	2	1.41	.15	.02	1	2
8517	2	123	4	64	.4	9	13	1225	4.31	2	7	ND	2	102	1	5	3	136	4.42	.13	8	21	1.67	47	.23	3	1.74	.14	.20	1	3
8518	2	77	3	62	.3	8	10	687	3.60	2	5	ND	2	50	1	2	2	122	2.90	.13	7	17	1.32	34	.19	2	1.05	.16	.12	1	1
8519	1	122	4	81	.3	8	10	1058	3.88	2	5	ND	1	62	1	5	2	142	4.04	.12	8	16	1.65	76	.22	2	1.57	.12	.55	1	5
8520	1	101	5	22	.1	6	6	590	1.71	2	5	ND	1	95	1	2	2	106	9.98	.07	3	10	.58	12	.13	3	4.30	.04	.02	1	3
8521	1	124	9	87	.1	13	18	923	3.28	2	5	ND	1	132	1	3	2	87	3.86	.14	5	25	2.34	38	.29	2	3.38	.04	.08	1	2
8522	1	98	2	81	.4	14	17	932	3.29	2	5	ND	1	176	1	4	2	93	2.34	.13	6	37	2.39	39	.27	2	2.70	.08	.05	1	1
8523	1	109	5	83	.2	15	17	1063	3.94	2	5	ND	1	88	1	7	2	103	3.03	.14	4	35	2.54	30	.27	2	2.94	.09	.03	1	2
STD C/AU-0.5	20	61	42	139	7.1	65	29	1222	3.99	38	17	7	36	50	19	17	20	63	.49	.11	39	58	.91	187	.08	37	1.76	.07	.10	14	510

ACME ANALYTICAL LABORATORIES LTD. 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.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORES/ROCKS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAY 15 1986 DATE REPORT MAILED: May 22/86 ASSAYER. D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 5012 FILE # 86-0694 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
8524	1	184	7	54	.1	16	20	744	4.05	3	5	ND	2	77	1	2	2	120	3.72	.13	3	36	1.61	112	.17	5	1.51	.06	.07	1	28
8525	1	256	2	34	.1	9	19	512	2.80	3	5	ND	1	121	1	2	2	81	2.36	.14	4	26	1.23	22	.19	2	1.53	.05	.04	1	4
8526	1	4362	2	65	2.9	16	29	584	4.18	8	5	ND	1	159	1	2	2	95	1.45	.13	4	40	1.70	17	.16	5	1.93	.05	.02	1	9
8527	1	941	105	39	.4	9	11	628	2.38	81	5	ND	1	57	2	2	2	60	3.06	.07	3	9	.78	22	.01	3	.58	.02	.04	1	5
8528	1	86	2	57	.1	17	18	831	3.97	4	5	ND	1	67	1	2	2	117	2.47	.13	3	21	1.83	76	.14	4	1.70	.09	.12	1	6
8529	1	168	2	54	.1	12	20	845	3.90	2	5	ND	1	64	1	2	2	110	2.60	.13	3	18	1.69	31	.16	2	1.67	.07	.11	1	38
8530	1	496	4	50	.4	12	15	745	3.40	4	5	ND	1	101	1	2	3	93	2.61	.12	4	21	1.51	27	.15	5	1.59	.06	.05	1	8
8531	1	12249	5	60	4.6	11	53	583	3.83	2	5	ND	1	107	1	2	2	73	1.27	.11	3	17	1.43	25	.04	4	1.59	.04	.03	1	9
8532	1	171	2	52	.1	11	19	777	3.66	2	5	ND	1	113	1	2	2	102	2.77	.13	4	11	1.51	26	.15	2	1.70	.06	.06	1	12
8533	1	171	7	46	.1	13	16	634	3.41	5	5	ND	1	75	1	2	2	105	2.37	.12	5	23	1.24	31	.16	2	1.29	.08	.07	1	11
8534	1	504	6	59	.5	14	16	759	4.48	6	5	ND	2	126	1	2	2	136	3.23	.12	2	22	1.70	28	.11	6	1.95	.05	.06	6	150
8535	1	122	2	53	.1	18	17	745	3.32	2	5	ND	1	109	1	2	2	93	2.25	.12	4	26	1.85	27	.18	8	1.89	.07	.06	1	2
8536	1	116	2	43	.1	12	14	698	2.70	2	5	ND	1	123	1	2	2	72	2.94	.12	4	17	1.38	35	.12	6	1.86	.06	.05	1	6
8537	1	249	4	56	.1	10	22	962	3.76	62	5	ND	2	97	1	44	2	125	4.81	.11	3	16	1.11	300	.01	13	1.21	.02	.05	1	4
8538	1	109	2	63	.1	11	16	894	3.54	3	5	ND	1	99	1	2	2	97	3.11	.12	2	15	1.70	63	.15	5	1.84	.06	.08	1	5
8539	1	14	6	78	.1	18	13	1041	3.11	5	5	ND	1	138	1	2	2	77	3.56	.09	2	46	1.82	15	.10	2	1.93	.03	.01	1	1
8540	1	106	4	72	.1	12	17	894	3.72	4	5	ND	1	114	1	2	2	98	2.90	.12	4	17	1.88	28	.14	2	2.02	.06	.05	1	2
8541	1	62	3	79	.1	16	17	761	3.08	3	5	ND	1	170	1	3	2	67	1.74	.13	3	21	1.76	8	.19	2	2.10	.03	.02	1	1
8542	1	174	5	83	.1	15	20	1021	4.29	2	5	ND	2	96	1	2	2	114	3.06	.12	4	29	2.28	27	.17	2	2.33	.05	.07	1	2
8543	7	92	2	80	.1	9	16	1019	4.63	2	5	ND	2	69	1	2	2	149	3.78	.13	5	16	1.88	34	.19	4	1.65	.07	.10	1	7
8544	1	191	13	88	.1	9	21	1390	4.45	5	5	ND	2	124	1	2	2	150	6.30	.13	8	10	2.05	3	.16	2	1.64	.06	.01	1	6
8545	1	175	2	71	.1	7	19	969	3.04	3	6	ND	2	217	1	2	2	98	4.80	.12	4	9	1.71	8	.20	2	1.96	.03	.02	1	5
8546	1	198	8	63	.1	9	18	818	4.38	5	5	ND	2	130	1	2	3	145	3.85	.13	6	19	1.43	5	.12	4	1.34	.06	.01	1	6
8547	1	156	2	66	.1	9	17	825	3.27	2	5	ND	1	105	1	2	3	93	3.21	.13	6	6	1.33	30	.18	4	1.55	.07	.09	1	4

APPENDIX III

Borehole Logs (DDH1, DDH2)

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 1 OF 6
HOLE NO. : DDH 1	LOC. : 0+00	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 05, 1986	ELEV. : 0+25E	SURVEY AT :	DATE : May 10, 1986
COMPLETED: May 10, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 105.16m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
0	2.74		Casing, soil, broken bedrock.	8501	8.90	9.70	0.80							
				8502	26.23	27.76	1.53							
2.74	19.60		Green-grey andesitic lapilli tuff-	8502	27.76	28.26	0.50							
			pyroclastic breccia, angular to subangular	8504	28.26	28.86	0.60							
			fragments of dark green volcanic, probably	8505	28.86	30.39	1.53							
			basalt, pink altered andesite tuff in grey,	8506	30.39	31.90	1.51							
			finer grained lapilli tuff matrix.	8507	31.90	32.60	0.70							
			Fragments vary in dize from 1-50mm, no	8508	32.60	33.85	1.25							
			sorting. From 8.90-9.70m, sheared, epidote	8509	36.00	38.25	2.25							
			rich section. Quartz veins 1-2mm at 70°	8510	42.98	44.40	1.42							
			to core axis.	8511	44.40	45.22	0.82							
				8512	53.66	54.06	0.40							
19.60	19.81		Shear zone, broken core.	8513	65.60	67.36	0.76							
				8514	67.36	68.58	1.22							
19.81	26.23		Lapilli tuff-breccia, as above to 19.60m,	8515	85.05	85.75	0.70							
			occassional limonite coated fractures at	8516	85.75	85.95	0.20							
			25-45° to the core axis.	8517	85.95	86.87	0.92							
				8518	86.87	87.51	0.64							
26.23	27.76		Lapilli tuff, sheared, badly broken core,	8519	87.51	88.27	0.76							
			numerous limonite coated fractures, minor	8520	99.63	100.06	0.43							
			quartz veins 0.5m wide, fine-grained	8521	100.06	101.58	1.52							
			sphalerite.	8522	101.58	103.01	1.43							
				8523	103.01	105.16	2.15							
28.26	28.86		Lapilli tuff, cut by grey quartz veins,											
			numerous epidote filled fractures, limonite											
			coating throughout, chalcopyrite veinlets &											

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 2 OF 6
HOLE NO. : DDH 1	LOC. : 0+00	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 05, 1986	ELEV. : 0+25E	SURVEY AT :	DATE : May 10, 1986
COMPLETED: May 10, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 105.16m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
			blebs from 27.76-27.86m, malochite stain locally. From 28.73-28.83m quartz vein with hematitic stain cut by narrow veinlet of Py, Cp at 55° to core axis.											
28.86	31.90		Lapilli tuff, light green, highly epidotized quartz veinlets 0.5-1cm: wide cutting the unitat 70° to core axis. Substantial pink, intrusive clasts.											
31.90	32.60		Sheared lapilli tuff, highly oxidized, broken core, fragments of quartz vein material with hematite stain.											
32.60	38.40		Lapilli tuff as above to 31.90m. From 36.00-38.25m locally sheared sections, Fe oxides.											
38.40	42.98		Volcanic breccia, green, dark green and pink, fragments of altered andesitic tuff and fresh basaltic lithologies set in finer pyroclastic matrix. Fragments vary in size from 1-150mm, breccia is matrix supported, epidote alteration throughout.											
42.98	44.40		Volcanic breccia, as above, locally sheared,											

DRILL RECORD — **IMPERIAL METALS · CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 3 OF 6
HOLE NO. : DDH 1	LOC. : 0+00	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 05, 1986	ELEV. : 0+25E	SURVEY AT :	DATE : May 10, 1986
COMPLETED: May 10, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 105.16m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
			broken core, minor quartz veinlets, limonite stain.											
44.40	45.22		Volcanic breccia, as above, cut by hematite stained quartz veins, epidote throughout, rusty limonite sections.											
45.22	53.66		Volcanic breccia, light and dark green, epidote rich, cut by occassional quartz veinlets 1-2mm wide. Intrusive fragments of pink granitoid 5-10%.											
53.66	54.06		Volcanic breccia, as above, cut by pink quartz-epidote veins, vuggy sections parallel to vein contacts. Veins at 70° to core axis.											
54.06	75.75		Volcanic breccia, light and dark green, highly epidotized matrix. Fragments of basaltic, andesitic and pink altered andesitic tuff, ranging in size from 1 to 60 mm. Occassional thin 1-2mm, quartz-epidote veinlets at 70-90° to core axis. From 65.60-67.36m sheared, broken core, light green chloritic veinlets at 30-60°. From 72.63 to 75.75m dark green highly chloritic.											

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 4 OF 6
HOLE NO. : DDH 1	LOC. : 0+00	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 05, 1986	ELEV. : 0+25E	SURVEY AT :	DATE : May 10, 1986
COMPLETED: May 10, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 105.16m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
75.75	83.00		Light green, massive, fine grained andesitic volcanic, minor ash tuff along the upper contact. Upper contact at 40° to core axis, lower contact gradational. Minor quartz veinlets 0.5cm wide at 85° to core.											
83.00	85.75		Volcanic breccia, green, mainly basaltic fragments, minor pink andesitic fragments set in greenish lapilli tuff matrix.											
85.75	85.95		Quartz vein, grey, slight hematite stain.											
85.95	86.87		Volcanic breccia, as above, at 83.00m.											
86.87	87.51		Fault zone, highly fragmented volcanics with minor quartz veins, epidote along fractures, occassional quartz-specul hematite veinlets.											
87.51	88.27		Fault zone as above.											
88.27	92.96		Lapilli tuff, green, epidote rich matrix, occassional quartz veinlets at 75-90° to core axis.											
92.96	99.63		Andesite, green, massive, medium stained, consists of plagioclase phenocrysts 2-3mm in											

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 5 OF 5
HOLE NO. : DDH 1	LOC. : 0+00	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 05, 1986	ELEV. : 0+25E	SURVEY AT :	DATE : May 10, 1986
COMPLETED: May 10, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 105.16m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
			finer grained plagioclase-chlorite matrix.											
			Hairline quartz veinlets at 60-85° to core											
			axis.											
99.63	100.06		White, massive, very fine grained chert, cts											
			at 25° to core axis, epidote along both											
			contacts.											
100.06	105.16		Green and light green epidote rich andesitic											
			flow top, occassional quartz veinlets and											
			fragments of pink intrusive, foliation at											
			30-45° to core axis.											
			Foot of hole.											
			Tests: Read: Corrected:											
			220' -63°00' -55°45'(E)											
			345' -61°30' -55°30'(A)											

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 1 OF 4
HOLE NO. : DDH 2	LOC. : 0+11E	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 10, 1986	ELEV. : 0+26S	SURVEY AT :	DATE : May 13, 1986
COMPLETED: May 14, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 77.72m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth.	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
0	1.83		Soil, broken rock, NW casing.	8524	4.90	6.40	1.50							
				8525	6.40	6.92	0.52							
1.83	6.40		Lapilli tuff-breccia, light green, dark	8526	6.92	7.42	0.50							
			green and pink, fragments of andesitic and	8527	7.42	7.82	0.40							
			basaltic volcanics and pyroclastics set in	8528	7.82	9.24	1.42							
			lapilli tuff matrix. Fragments subrounded	8529	9.24	11.40	2.16							
			to rounded 1-50mm in size, not sorted,	8530	11.40	12.30	0.90							
			occassional narrow veinlets of quartz cross-	8531	12.30	12.55	0.25							
			cutting the unit, mina epidote alteration	8532	12.55	13.50	0.95							
			along fractures.	8533	16.00	16.72	0.72							
				8534	16.72	17.77	1.05							
6.40	6.92		Beige and green, bleached tuff-breccia, iron	8535	17.77	19.20	1.33							
			oxides along the fractures, minor quartz	8536	19.20	20.60	1.40							
			and epidote veinlets.	8537	20.60	21.43	0.83							
				8538	21.43	23.04	1.61							
6.92	7.42		Beige and green, bleached tuff-breccia,	8539	25.10	25.91	0.81							
			heavy iron oxides, abundant malachite	8540	25.91	27.20	1.29							
			throughout the section.	8541	27.20	27.55	0.35							
				8542	27.55	28.90	1.35							
7.42	7.82		Quartz vein, white and massive iron oxides	8543	66.00	67.00	1.00							
			along the fractures, minor malachite.	8544	67.00	67.38	0.38							
				8545	67.38	67.78	0.40							
7.82	11.40		Lapilli tuff-breccia as above to 6.40m.	8546	67.78	68.10	0.38							
				8547	68.10	69.10	1.00							
11.40	12.30		Lapilli tuff-breccia slightly bleached,											
			frequent quartz-epidote veinlets 1-2mm wide,											

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 2 OF 4
HOLE NO. : DDH 2	LOC. : 0+11E	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 10, 1986	ELEV. : 0+26S	SURVEY AT :	DATE : May 13, 1986
COMPLETED: May 14, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 77.72m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth.	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
			occassional specks of pyrite.											
12.30	12.55		Quartz-epidote-chalcopyrite vein cutting tuff-breccia at 75° to core axis. Chalcopyrite in form of blebs and veinlets constitutes 10-12% of the rock. Iron oxides along fractures.											
12.55	16.72		Lapilli-tuff-breccia, green, light green and pink, cut locally by white quartz veinlets at 70-90° to core. From 16.00-16.15 fault zone.											
16.72	17.77		Lapilli tuff-breccia, bleached, cut by quartz and epidote veinlets at 16.90m specular hematite vein at 20° to core axis, vein width at 2cm.											
17.77	20.60		Lapilli tuff-breccia, green and light green, cut by occassional quartz veinlets with hematite stain, veins 2-5mm wide at 70-90° to core axis.											
20.60	21.43		Lapilli tuff, light brown and massive, soft, bleached kaolinized section, minor quartz veinlets at 70-75° to core axis. Heavy iron											

DRILL RECORD — **IMPERIAL METALS CORPORATION**

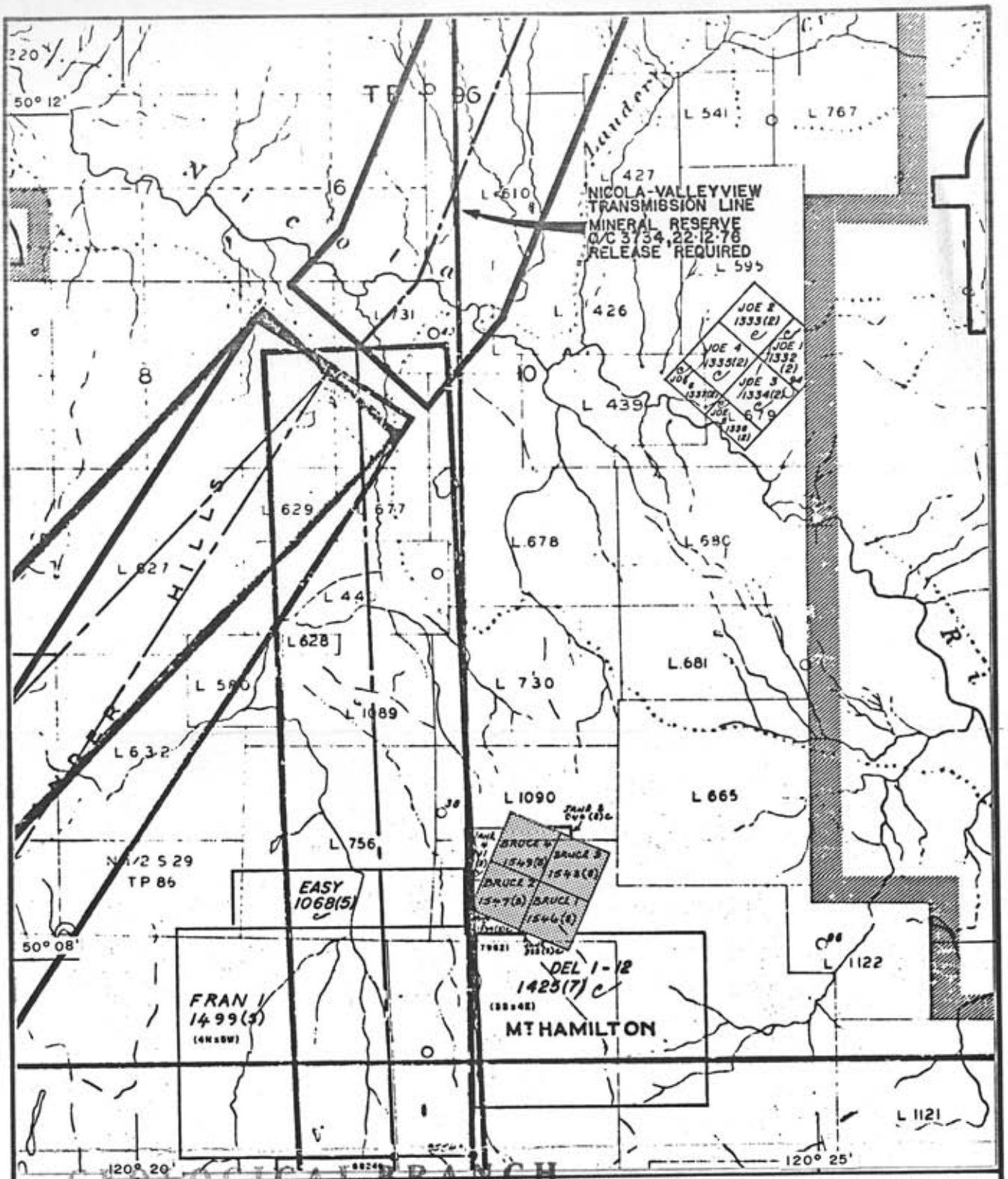
PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 3 OF 4
HOLE NO. : DDH 2	LOC. : 0+11E	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 10, 1986	ELEV. : 0+26S	SURVEY AT :	DATE : May 13, 1986
COMPLETED: May 14, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 77.72m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth.	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
			oxides, limonite and hematite.											
21.43	34.75		Lapilli tuff-breccia green, dark green and pink, epidote-quartz veinlets throughout, pink andesitic tuff fragments more frequent. From 27.20-27.55m quartz-epidote veins 1-2cm wide. Epidote alteration strong to moderate down hole.											
34.75	67.00		Volcanic breccia, green, dark green & pink, fragments of altered andesitic tuff and chloritized basaltic volcanics set in fine grained pyroclastic matrix. Fragments range from 1-50mm across. Occassional thin quartz-epidote veinlets at 70-90° to core axis.											
67.00	67.38		Fault zone, broken volcanic breccia cut by vuggy quartz veins, heavy epidote along the fractures, minor sections with fault gouge. Specular hematite along the fractures parallel to quartz veins.											
67.38	67.78		Light green, epidote rich breccia as above.											
67.78	68.10		Light green and grey fault zone in volcanic											

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Mt. Hamilton	LOCATION :	CORRECT DIP: -55°	PAGE 4 OF 4
HOLE NO. : DDH 2	LOC. : 0+11E	TRUE BRG : 295°	LOGGED BY : R. Pesalj
COMMENCED: May 10, 1986	ELEV. : 0+26S	SURVEY AT :	DATE : May 13, 1986
COMPLETED: May 14, 1986	CORE SIZE: NQ	% RECOVERY : 100%	CORE STORED : Merritt
OBJECTIVE:		LENGTH : 77.72m	UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	No.	From Feet	To Feet	Lgth.	Rec. %	Analysis Cu %	Pb %	Zn %	Ag g/t	Au g/t	Fe %
			breccia, numerous quartz veinlets at 45-50°											
			to the core axis, some with vuggy sections,											
			minor calcite and epidote.											
68.10	73.60		Volcanic breccia, green and dark green,											
			occassional quartz veinlets. At 71.58 qtz											
			vein 5cm wide, minor shearing locally.											
73.60	77.72		Maroon lapilli tuff, cut by white quartz											
			veinlets, some epidote filled fractures at											
			70-75° to core axis. Foot of hole.											
			Tests: 77.41m, Read: -61°00', Corrected:											
			-53°15'.											



IMPERIAL METALS CORPORATION

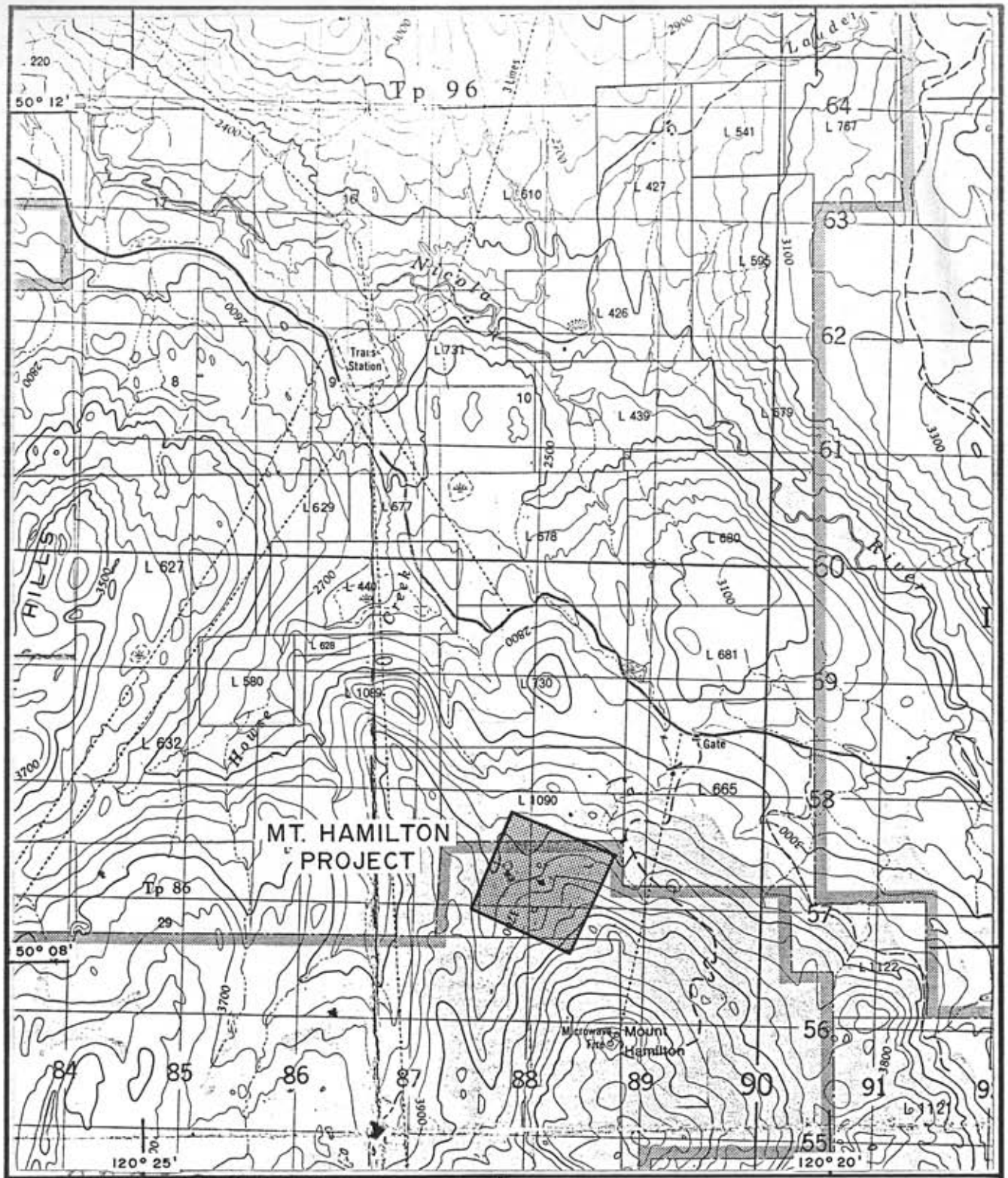
MT. HAMILTON

FIGURE I N.T.S. 921/IW

CLAIM MAP

Km 1 0 1 2 Km

SCALE: 1:50000	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1986	DRAWN BY: S. HAWORTH



IMPERIAL METALS CORPORATION

MT. HAMILTON

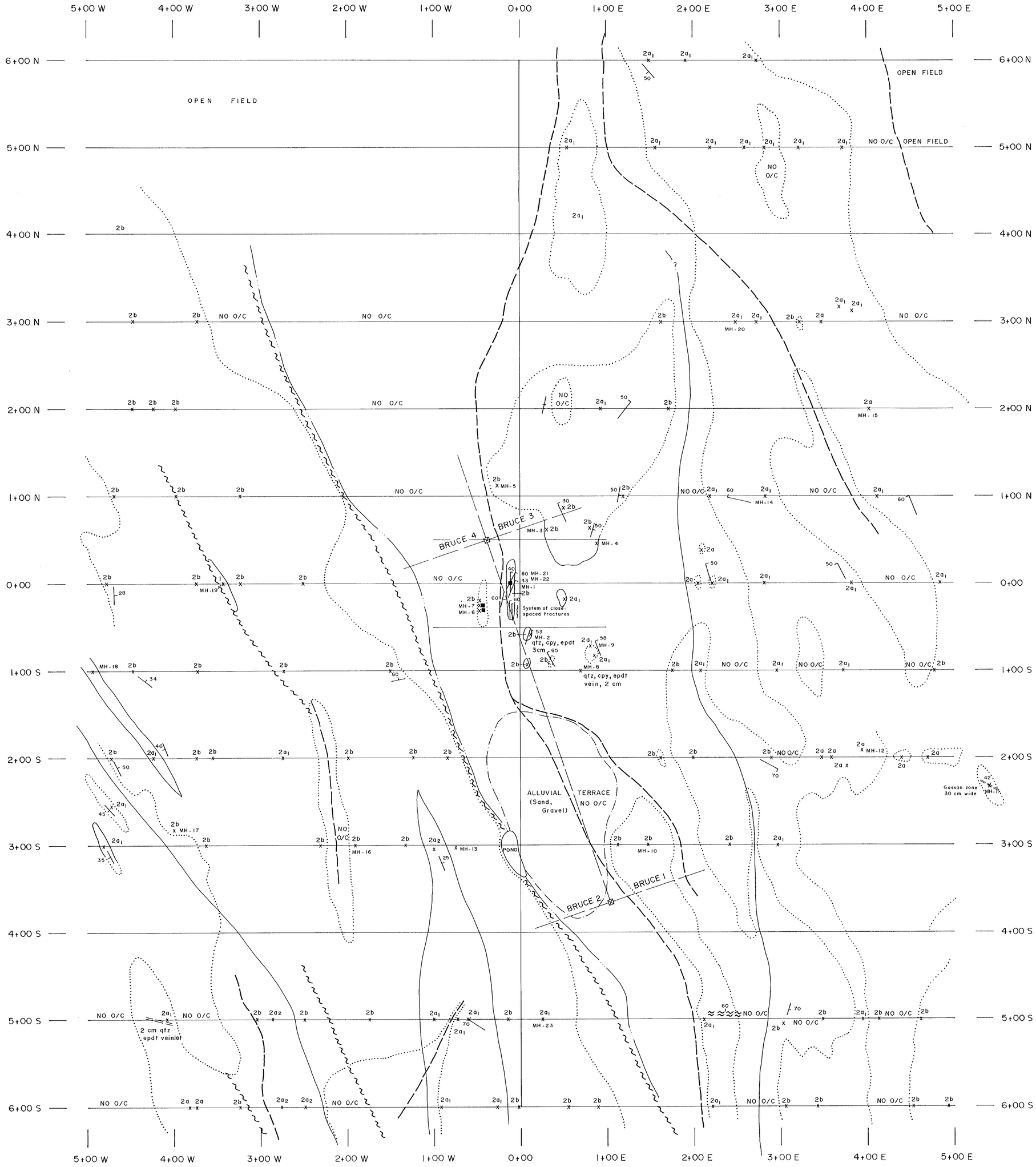
FIGURE 2 N.T.S. 92I/IW

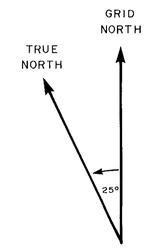
LOCATION MAP

Km 1 0 1 2 Km

SCALE: 1:50 000 GEOLOGIST: R. PESALJ

DATE: NOVEMBER 1986 DRAWN BY: S. HAWORTH





LEGEND

- Road
- Creek
- Claim Post
- Claim Boundary
- Trench, Pit
- MH-1 — Rock Sample Number
- Geological Contact
- Fault
- x — Outcrop
- Outcrop Area
- Bedding, Volcanic Flow - Strike & Dip
- Bedding, Volcanic Flow - Vertical
- Fractures, Veinlets - Strike & Dip
- cpy — Chalcopyrite
- epdt — Epidote
- py — Pyrite
- qtz — Quartz

GEOLOGY:

- 1 — Diorite (Jurassic & Later)

Nicola Group (Upper Triassic):

- 2a — Green or maroon, fine to medium grained, massive to porphyritic, mainly andesitic ($2a_1$), minor basaltic flows ($2a_2$)
- 2b — Lapilli tuff, coarse grained, locally agglomeratic, green or maroon, crudely bedded

IMPERIAL METALS CORPORATION

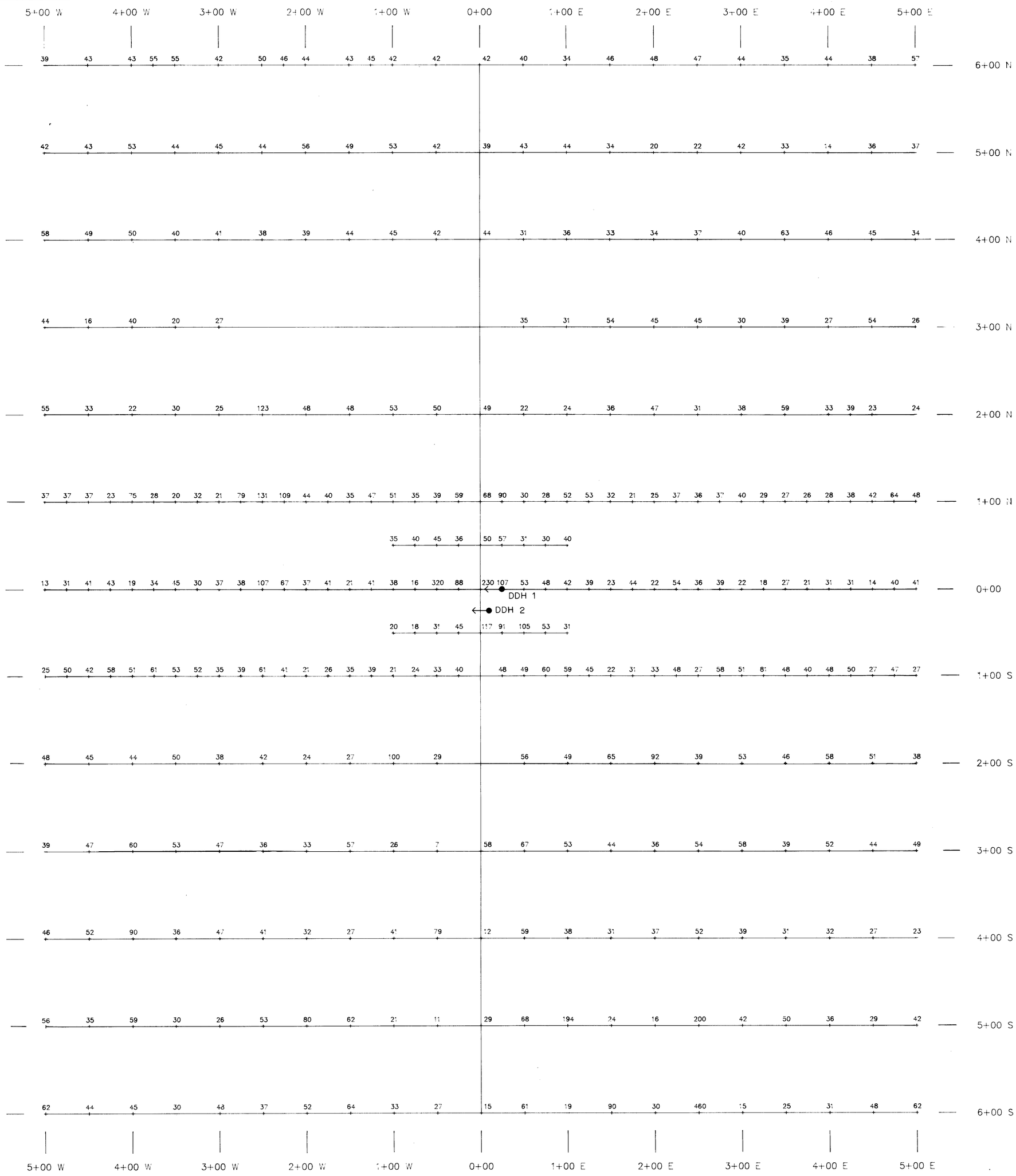
MT. HAMILTON

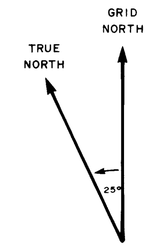
FIGURE 3 — N.T.S. 92I/IW

SURFACE GEOLOGY

Metres 50 0 50 100 150 200 Metres

SCALE: 1:2500	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1986	DRAWN BY: S. HAWORTH





LEGEND

Cu (ppm) —+— Geochemistry

IMPERIAL METALS CORPORATION

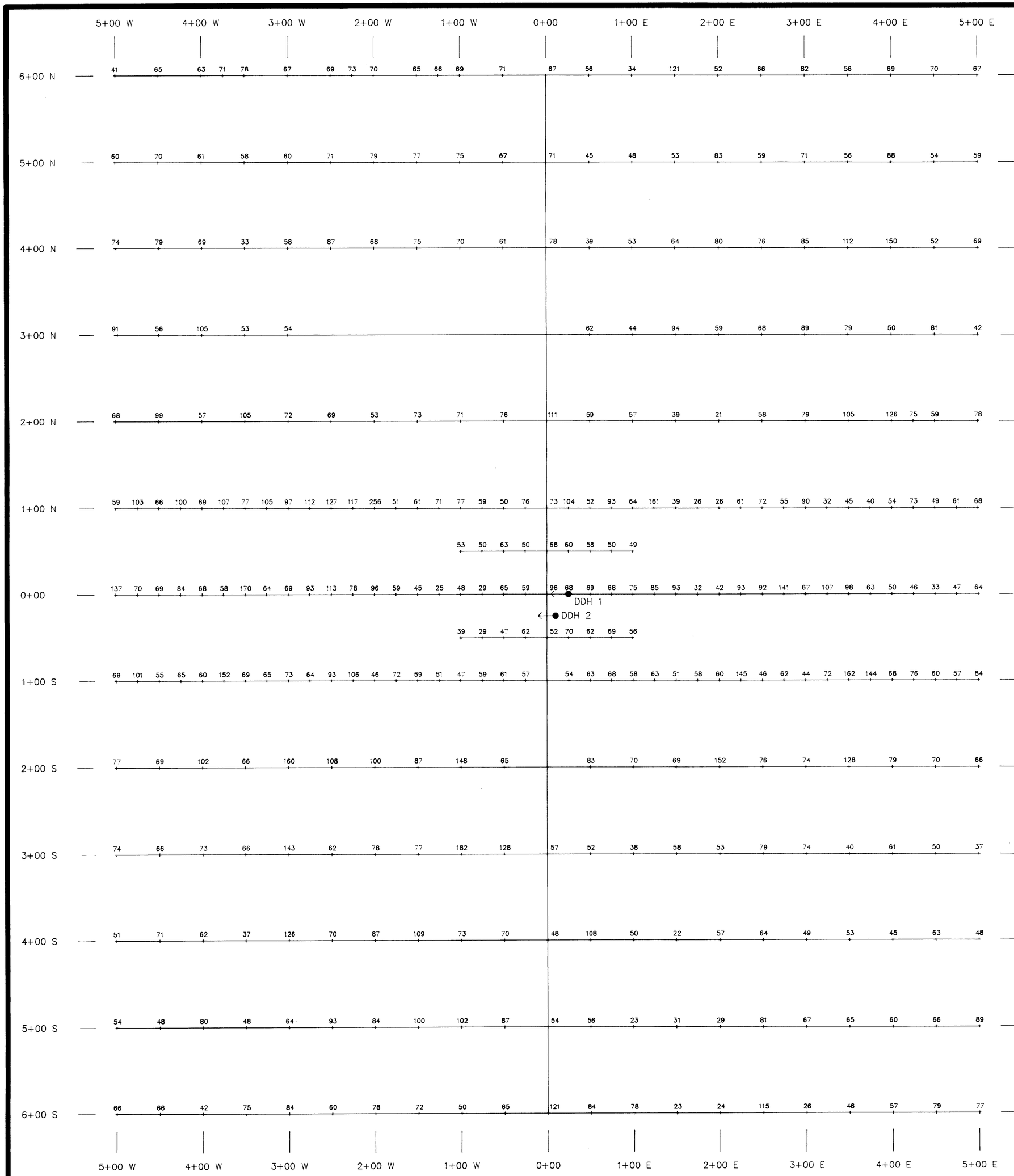
MT. HAMILTON

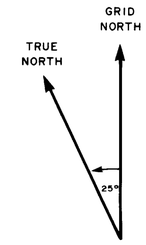
FIGURE 4 N. T. S. 92I/1W

GEOCHEMISTRY: Cu

Metres 50 0 50 100 150 200 Metres

SCALE: 1 : 2500	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1986	DRAWN BY: S. HAWORTH





LEGEND

Zn (ppm) —— Geochemistry

IMPERIAL METALS CORPORATION

MT. HAMILTON

FIGURE 5 N. T. S. 92I/1W

GEOCHEMISTRY: Zn

Metres 50 0 50 100 150 200 Metres

SCALE: 1 : 2500	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1986	DRAWN BY: S. HAWORTH