



To: Imperial Metals Corporation
709 - 744 W. Hastings St.,
Vancouver, B.C.

Attn.: Mr. J. McGowan

phone: 253 - 3158
Haslan Creek 92B/13
827437

File No. 82-1171

Type of Samples Rocks

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Pb	Zn	Ag	Au ppb																
HA 1	44	9	45	.2	15																1
HA 3	470	6	23	1.3	15																2
HA 4	80	8	50	.5	5																3
HA 5	118	8	62	.8	5																4
HAS 40-60	34	9	46	.2	5																5
IMP HF	700	15	32	.8	10																6
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All reports are the confidential property of clients
All results are in PPM.
DIGESTION:.....
DETERMINATION:.....

DATE SAMPLES RECEIVED Sept. 21, 1982
DATE REPORTS MAILED Sept. 27, 1982
ASSAYER *D. Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Imperial Metals Corp.,
709 - 744 W. Hastings St.,
Vancouver, B.C.
V6C 1A9

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone: 253 - 3158

File No. 82-1134A

Type of Sample Soils & Rocks

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		ppb										
		Cu	Pb*	Zn	Ag	Au						
HAS - 1		88	8	86	.2	5						1
2 ✓		86	13	103	.2	5						2
? HAS - 3		102	5	78	.2	5						3
												4
2A	Rock	85	5	66	.3	5						5
D	Rock	12	2	8	.1	5						6
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All reports are the confidential property of clients
All results are in PPM.
DIGESTION:.....
DETERMINATION:.....

DATE SAMPLES RECEIVED Sept. 16, 1982
DATE REPORTS MAILED Sept. 22, 1982
ASSAYER
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DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
 THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 ppm.
 AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - SOIL

DATE RECEIVED NOV 12 1982

DATE REPORTS MAILED Nov 17/82

ASSAYER D. Toye

DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORP FILE # 82-1515

PAGE# 1

SAMPLE #	CU ppm	ZN ppm	AG ppm	AS ppm	Au* ppb
HB 0E	51	69	.5	19	5
HB 0+10E	184	182	.5	41	5
HB 0+20E	166	145	.6	28	5
HB 0+30E	259	214	.4	37	10
HB 0+40E	63	83	.5	17	5
HB 0+50E	150	156	.3	31	5
HB 0+60E	195	173	.6	27	5
HB 0+70E	130	119	.5	25	5
HB 0+80E	272	193	.5	32	15
HB 0+90E	220	271	4.0	71	5
HB 1E	180	307	8.2	75	10
HB 1+10E	75	302	4.1	99	5
HB 1+20E	68	188	2.7	45	5
HB 1+30E	73	192	3.3	55	5
HB 1+40E	328	823	7.1	380	10
HB 1+50E	148	450	2.3	263	10
HB 1+60E	128	241	1.6	79	5
HB 1+70E	97	201	2.2	40	5
HB 1+80E	201	498	1.2	323	5
HB 1+90E	261	341	.9	78	5
HB 2E	157	236	1.2	64	5
HB 2+30E	148	203	1.0	60	5
HB 2+40E	138	169	.9	53	5
HB 2+50E	264	412	1.1	105	10
HB 2+60E	209	215	.7	80	5
HB 2+70E	105	127	1.1	60	5
HB 2+80E	240	194	1.2	147	5
HB 2+90E	218	181	1.7	182	5
HB 3E	232	294	1.4	358	5
STD A-1	31	173	.3	13	5
HB 3+20E	221	416	.8	1379	5
HB 3+30E	110	230	.4	105	5
HB 3+40E	169	210	1.1	294	5
HB 3+50E	192	266	.9	358	5

SAMPLE #	CU ppm	ZN ppm	AG ppm	AS ppm	Au* ppb
HQ-4	610	26	1.0	2	10
HQ-10	221	48	.3	2	5
HQ-11	115	597	1.4	2	10
HQ-14	285	9	.4	4	20
HQ-15	37	11	.1	2	5
HQ-16	91	80	.3	4	5
HQ-17	91	22	.2	24	55
HQ-18	18	20	.2	20	55
HQ-19	45	66	.8	13	55
HQ-20	13	27	.1	2	5
HQ-21	10	45	.1	3	5
HQ-22	30	27	.1	8	55
HQ-23	40	15	.1	6	55
A	115	151	.4	11	55
B	94	20	.2	2	5
STD A-1/AU	30	174	.3	11	490



To: Imperial Metals Corp.,
709 - 744 W. Hastings St.,
Vancouver, B.C.
V6C 1A9

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

82-1318

File No. _____

Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition _____

ppb

1

SAMPLE No.		Cu	Zn	Ag	Au								
H1	0	140	94	1.8	10								1
	0+ 25	170	128	1.0	5								2
	0+ 50	320	206	1.5	5								3
	0+ 75	270	90	2.5	5								4
	0+100	130	75	2.7	20								5
	0+125	270	72	3.0	10								6
	0+150	50	50	.7	5								7
	0+175	165	215	1.4	5								8
	0+200	190	256	1.3	5								9
	0+225	320	135	1.2	5								10
	0+250	120	148	1.0	5								11
	0+275	82	105	.3	5								12
H1	0+300	62	102	.2	5								13
													14
H2	0	-20	130	165	.1	5							15
	0+ 25	82	66	.1	5								16
	0+ 50	220	88	.2	15								17
	0+ 75	145	76	.1	10								18
	0+100	120	65	.2	5								19
	0+125	175	60	1.1	5								20
	0+150	135	106	.6	5								21
	0+175	190	195	.5	5								22
	0+200	120	130	1.1	10								23
	0+225	85	88	1.9	5								24
	0+250	140	260	.5	5								25
	0+275	84	102	.5	5								26
	0+300	86	68	.1	5								27
	0+325	110	58	.1	5								28
	0+350	76	56	.1	10								29
H2	0+375	80	55	.1	5								30
													31
H3	0+ 25	84	60	.1	5								32
	0+ 50	56	48	.1	5								33
	0+ 75	38	30	.1	5								34
	0+100	54	45	.1	5								35
	0+125	69	38	.1	5								36
	0+150	110	75	.1	5								37
	0+175	92	48	.1	5								38
H3	0+200	80	50	.4	10								39
													40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Oct. 8, 1982

DATE REPORTS MAILED Oct. 15, 1982

ASSAYER Dean Toyé

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Imperial Metals Corp.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 82-1318

Type of Samples Soils & Rocks

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

ppb

Table with columns: SAMPLE No., Cu, Zn, Ag, Au, and a numbered index column (1-40). Rows include samples H3, H4, 10-6S, 305W, H1, and H12 with their respective assay values for Cu, Zn, Ag, and Au.

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Oct. 8, 1982

DATE REPORTS MAILED Oct. 15, 1982

ASSAYER [Signature]

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO₃ TO H₂O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
 THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 ppm.
 Au ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - SOIL & ROCK

DATE RECEIVED OCT 21 1982

DATE REPORTS MAILED

Oct 29/82

ASSAYER

D. Toye

DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METAL FILE # 82-1396

PAGE# 1

SAMPLE #	CU ppm	PB ppm	ZN ppm	AG ppm	AS ppm	Au# ppb
H-6 0+00	101	11	106	.4	16	5
H-6 0+25	110	14	122	.5	24	5
H-6 0+50	113	8	55	.1	9	5
H-6 0+75	196	10	77	.3	13	5
H-6 0+100	137	5	99	.2	11	5
H-6 0+125	214	9	64	.2	9	5
H-6 0+150	141	6	56	.1	7	5
H-6 0+175	161	8	44	.1	10	5
H-6 0+200	101	5	34	.1	6	10
H-6 0+225	93	5	37	.2	4	5
H-6 0+250	114	6	39	.2	7	5
H-6 0+275	106	7	35	.2	3	5
H-6 0+300	87	5	40	.2	5	5
H-6 0+325	126	6	42	.2	4	5
H-6 0+350	97	10	37	.3	6	5
H-6 0+375	238	8	47	.2	8	5
H-6 0+400	98	5	36	.2	4	5
H-6 0+425	150	10	45	.2	8	5
H-6 0+450	63	6	37	.1	2	5
H-6 0+475	74	9	39	.2	11	5
H-6 0+500	82	12	196	.3	14	5
H-6 0+525	88	13	177	.3	19	10
H-6 0+550	161	6	134	.6	21	5
H-6 0+575	108	8	94	.4	9	5
H-6 0+600	111	8	68	.2	9	5
H-6 0+625	84	5	35	.1	4	5
H-6 0+650	85	6	56	.1	7	5
H-6 0+675	101	10	54	.2	6	5
H-6 0+700	97	6	52	.1	3	5
H-6 0+725	99	5	63	.4	7	5
H-6 0+750	178	9	90	.2	6	5
H-6 0+775	227	9	128	.9	12	5
H-6 0+800	67	7	75	.4	8	40
H-7 0+50	127	19	153	.2	33	25
H-7 0+100	45	14	71	.7	14	5
H-7 0+150	45	14	54	.7	9	5
H-7 0+200	83	8	69	.4	7	5
STD A-1	30	37	173	.3	11	480

IMPERIAL METAL FILE # 82-1396

PAGE# 2

SAMPLE #	CU ppm	PB ppm	ZN ppm	AG ppm	AS ppm	Au* ppb
H-7 0+250	302	10	88	.1	6	15
H-7 0+300	61	7	90	.6	7	5
H-7 0+350	66	6	200	.1	8	5
H-7 0+400	46	10	56	.3	2	5
H1+71R	179	2	19	.1	3	5
H3-27R	4	7	61	.1	2	5
H5+21R	45	4	21	.2	2	5
H5+84R	147	3	34	.1	33	5
H7+104R	26	12	34	.5	14	5
H7+225R	287	4	27	.1	2	10
CC-1	79	37	91	1.4	17	5
CC-3	62	6	44	.1	4	5
CC-4	27	7	49	.1	2	5
CC-5	189	6	52	.1	3	5
CC-6	183	21	106	1.2	10	5
CC-7	90	10	132	.7	3	5
CC-8	35	11	150	.3	9	5
CC-9	52	7	51	.1	4	5
CC-10	46	11	222	.8	70	5
CC-11	58	5	73	2.0	26	5
STD A-1	30	38	175	.2	7	5