84-#484 – # 12422
7/85

Geochemical Assessment Report

Specific Claims Involved:

St Teresa #1	13414
St Teresa #6	15531
MAC	1586 (10)
MC #1	1587 (10)
MC #2	1588 (10)
MC #3	1589 (10)

Mining Division: Clinton

Specific NTS Location: 92N/10/E

Latitude and Longitude: 51 44'N
124 38'W

Owner of Claims: Imperial Metals Corporation
and Don Rose

Author or Report: J.W. Morton

Date Submitted: July 12, 1984

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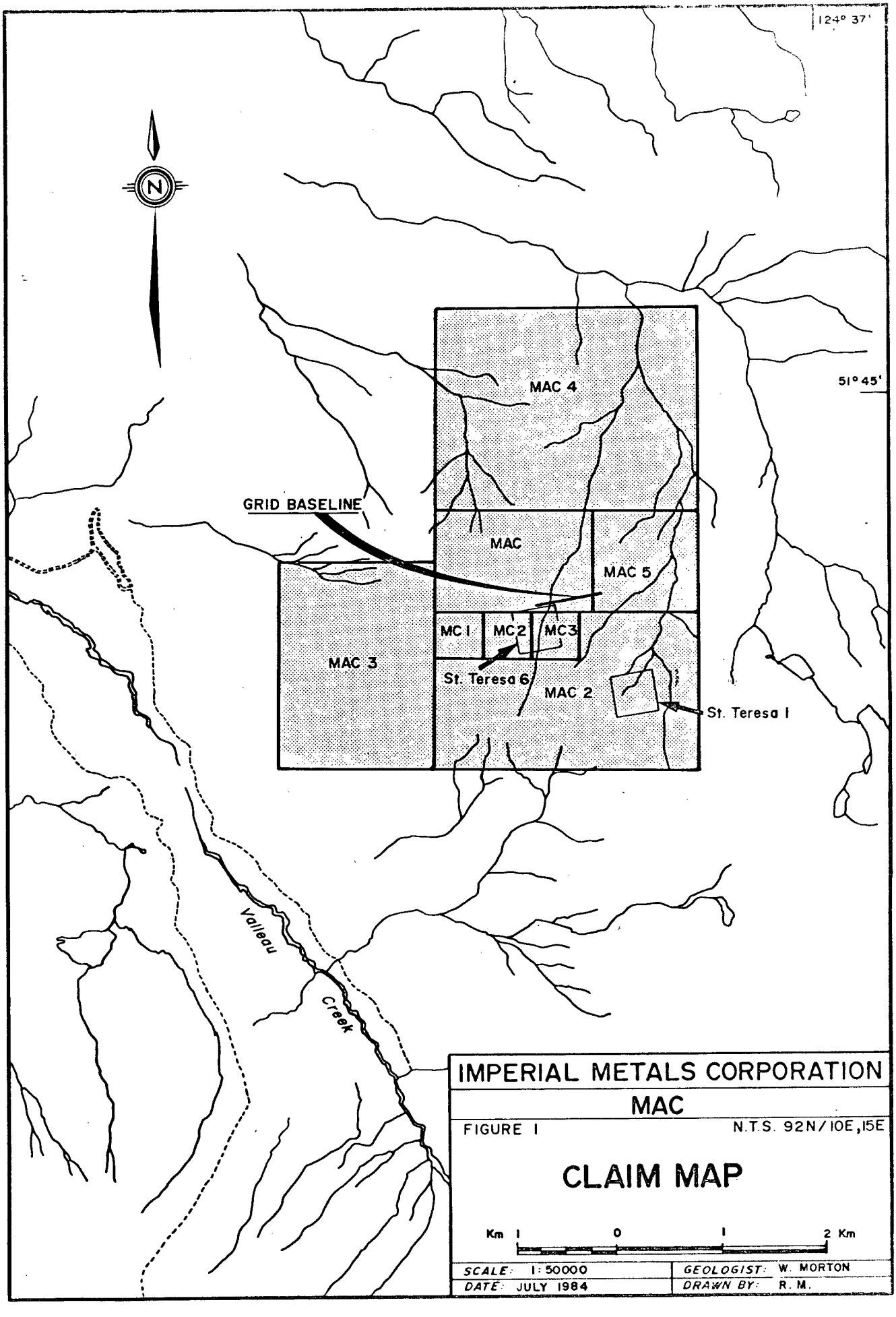

IMPERIAL METALS CORPORATION

MAC

FIGURE 1 N.T.S. 92N/10E,15E

CLAIM MAP

Km 1 0 1 2 Km

SCALE: 1:50000	GEOLOGIST: W. MORTON
DATE: JULY 1984	DRAWN BY: R.M.

INTRODUCTION

General Geographic and Physiographic Position

The MAC claim group is located within the Chilcotin region of British Columbia approximately 180 air miles west of the city of William's Lake. The claims are accessible via highway 20 from William's Lake to Tatla Lake village and then the Westbranch road to Bluff Lake. From Bluff Lake a truck road has been constructed to the center of the claim group. The claim group occurs on the edge of a mountain with elevations varying between 3500 feet and 7100 feet. Vegetation consists of open pine forest at lower elevations and alpine mosses and grasses at higher elevations.

Property Definition

The MAC claims cover a volcanic sedimentary sequence of probable Cretaceous age that has been intruded by a quartz diorite intrusive of probable late Cretaceous to early Tertiary age. An extensive area of volcanics display argillic and limonitic alteration. A strong vuggy quartz vein occurs within the alteration zone and has been exposed by hand trenching. The vein is up to 1.5 meters wide in surface exposure and is banded. A central core of white quartz (0.3m) contains 1 to 2% galena and contains 7 to 11 oz/ton silver and 0.060 to 0.120 oz/ton gold.

Summary of Work Completed

A detailed grid was established along the projected strike of the vein (078). The grid consists of a 650 meter baseline with crosslines running at 25 meter spacings in the central region of the grid and at 50 meter spacings on the ends. Sample spacing along the crosslines is 5m in the central region of the grid and 10m further out. A total of 250 soil samples were obtained and analysed by inductively coupled argon plasma analysis in the laboratory facilities of Acme Analytical Labs in Vancouver (gold determinations by atomic absorption methods).

Samples were collected with a sampling mattock and where possible were obtained from the Bm horizon.

Work completed occurs on the MC#2, MAC and St. Teresa #6 claim.

Detailed Technical Data and Interpretations

A lead-gold (silver, zinc, arsenic, molybdenum) anomaly corresponds to the known occurrence of the mineralized quartz vein. Similar anomalies occur along the eastward projected strike of the vein (078°). Westward from 0+00E, 0+00N the vein appears to be offset approximately 50 meters to the south.

Recommendations

A trenching program should be initiated to expose the quartz vein where it can be inferred from geochemcial response. Initial trenching sould be completed over the following intervals:

2+00E	0+10S	to 2+00E	0+25S
2+50E	0+05N	to 2+50E	0+25N
0+50E	0+05S	to 0+50E	0+20N
0+25E	0+00N	to 0+25E	0+10N
1+00W	0+40S	to 1+00W	0+60S

Costs

Grid Establishment and Geochemical Survey

June 12 , 15, 16 / 1984	Morton	3 days @ $200/day	$ 600.00
June 12, 14, 15, 16, 17, 20	MacKenzie	9 days @ $100 day	900.00
June 21, 22, 23 / 1984	Wood	9 days @ $75 day	675.00
Room & Board	21 man days	@ $50 day	1,050.00
Vehicle Costs		9 days @ $50/day	450.00
Assay Costs	250 samples	30 element ICP analysis plus gold by A.A. @ $11.85.	2,962,00
Report Prep and Drafting			500.00
		TOTAL	$ 7,137.00

AUTHOR'S QUALIFICATIONS

I, JAMES W. MORTON, CERTIFY THE FOLLOWING:

I graduated from Carelton University in 1971 with a Bachelor of Science in Geology.

I graduated from the University of British Columbia in 1976 with a Master of Science in Soil Science.

I have worked for various mining and exploration companies since 1968.

I am presently a permanent staff geologist with Imperial Metals Corporation of Vancouver, B.C.

I supervised the work described in this report.

J.W. Morton,
Geologist

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 3-1-3 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: SOIL - PULVERIZING AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 27 1984 DATE REPORT MAILED: July 3/84 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT # MAR FILE # 84-1281 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
1+50W 0+50N	1	12	8	27	.1	4	3	125	1.78	7	2	ND	2	11	1	2	2	50	.17	.04	2	8	.23	36	.04	3	1.09	.01	.02	2	5
1+50W 0+40N	2	14	8	44	.1	5	5	153	2.89	11	4	ND	2	8	1	2	2	66	.13	.04	2	11	.31	22	.03	3	1.70	.01	.03	2	5
1+50W 0+30N	2	19	8	43	.1	7	7	211	2.97	13	2	ND	2	9	1	2	2	69	.12	.04	2	14	.44	32	.04	3	1.63	.01	.03	2	10
1+50W 0+20N	2	41	8	53	.2	10	12	334	3.65	24	3	ND	2	8	1	2	2	65	.13	.05	2	20	.71	41	.04	3	2.52	.01	.03	2	5
1+50W 0+10N	2	26	8	50	.1	8	8	247	3.26	15	2	ND	2	7	1	2	2	74	.11	.03	2	18	.58	30	.04	5	2.07	.01	.02	2	5
1+50W 0+00S	2	11	6	22	.1	4	4	120	1.90	2	2	ND	2	10	1	2	2	62	.16	.03	2	9	.26	26	.05	2	1.20	.01	.02	2	5
1+50W 0+10S	2	17	6	37	.1	7	6	194	3.05	8	2	ND	2	7	1	2	3	75	.10	.04	2	15	.44	24	.05	3	1.90	.01	.03	2	5
1+50W 0+20S	2	16	6	32	.1	7	7	167	2.74	8	2	ND	2	6	1	2	2	73	.09	.02	2	14	.46	26	.05	4	1.78	.01	.02	2	10
1+50W 0+30S	2	24	7	47	.1	9	10	216	3.47	10	2	ND	2	6	1	2	2	78	.09	.04	2	20	.56	27	.06	4	2.48	.01	.02	2	5
1+50W 0+40S	2	29	8	41	.2	10	9	235	3.10	9	2	ND	2	8	1	2	3	70	.11	.03	2	18	.54	33	.05	4	2.13	.01	.03	2	5
1+50W 0+50S	3	21	157	823	.3	7	7	319	3.25	20	2	ND	2	8	2	2	2	64	.15	.04	3	14	.39	33	.02	4	1.93	.01	.04	2	25
1+00W 0+50N	2	32	40	127	.6	12	12	308	3.80	15	3	ND	2	9	2	2	2	74	.14	.03	2	21	.81	32	.04	5	2.49	.01	.03	2	5
1+00W 0+40N	3	17	13	65	.3	6	6	173	2.97	14	2	ND	2	10	1	2	2	76	.16	.03	2	12	.40	22	.02	5	1.80	.01	.03	2	5
1+00W 0+30N	3	22	19	43	.1	6	6	182	2.64	10	2	ND	2	8	1	2	2	65	.17	.03	2	11	.37	29	.02	4	1.59	.01	.04	2	5
1+00W 0+20N	3	13	13	29	.2	3	4	90	2.54	9	2	ND	2	8	1	2	2	70	.14	.02	2	10	.20	20	.02	3	1.68	.01	.03	2	5
1+00W 0+10N	2	14	12	25	.2	4	4	95	1.79	10	2	ND	2	9	1	2	2	58	.13	.02	2	8	.22	27	.05	3	1.21	.01	.03	2	5
1+00W 0+00S	2	18	12	34	.2	5	5	144	2.35	11	2	ND	2	6	1	2	2	64	.07	.02	2	11	.37	31	.04	4	1.47	.01	.03	2	5
1+00W 0+10S	2	20	5	37	.2	8	7	201	2.97	10	2	ND	2	6	1	2	2	75	.07	.03	2	17	.51	29	.06	5	1.87	.01	.02	2	5
1+00W 0+20S	2	28	17	80	.3	10	10	282	2.99	18	2	ND	2	10	1	2	2	57	.17	.03	2	18	.67	28	.03	3	2.24	.01	.03	2	5
1+00W 0+30S	3	35	85	94	.4	7	8	308	2.47	23	2	ND	2	18	1	2	2	46	.56	.06	2	13	.39	33	.01	5	1.75	.01	.03	2	5
1+00W 0+40S	1	23	7	32	.1	2	2	151	1.52	2	2	ND	2	9	1	2	8	29	.16	.07	2	3	.24	21	.01	2	1.09	.01	.01	2	5
1+00W 0+50S	5	92	78	121	1.0	7	21	1157	4.12	71	4	ND	2	23	2	2	2	57	.65	.04	2	7	.61	17	.01	5	2.33	.01	.05	2	55
0+50W 0+25N	2	47	9	61	.4	12	18	670	4.00	24	3	ND	2	20	2	3	2	77	.35	.04	2	24	1.04	33	.05	5	2.30	.01	.03	2	5
0+50W 0+20N	3	40	31	74	.3	12	15	497	3.94	34	2	ND	2	11	2	2	2	73	.19	.04	2	20	.86	28	.03	6	2.58	.01	.03	2	5
0+50W 0+15N	2	41	27	69	.3	11	14	525	3.85	35	2	ND	2	11	2	2	2	70	.20	.04	2	19	.86	29	.03	6	2.26	.02	.04	2	5
0+50W 0+10N	3	49	30	101	.3	12	19	921	4.14	68	2	ND	2	15	2	3	2	64	.34	.04	2	16	.81	31	.02	5	2.26	.01	.04	2	5
0+50W 0+05N	3	50	24	78	.3	12	17	724	4.06	38	2	ND	2	15	2	3	2	74	.28	.04	2	20	.93	34	.04	25	2.58	.02	.04	2	5
0+50W 0+05S	1	38	12	58	.2	11	14	525	3.38	21	2	ND	2	10	1	2	2	67	.15	.04	2	20	.80	32	.05	5	2.33	.01	.02	2	5
0+50W 0+10S	1	38	12	55	.2	12	14	485	3.54	19	2	ND	2	10	1	2	2	71	.13	.04	2	20	.81	38	.05	4	2.71	.01	.02	2	5
0+50W 0+15S	2	39	13	54	.1	12	14	446	3.54	22	2	ND	2	12	1	3	2	72	.14	.03	2	20	.85	34	.05	5	2.66	.01	.02	2	5
0+50W 0+20S	2	26	17	49	.3	9	10	248	3.37	21	2	ND	2	6	1	2	2	72	.08	.03	2	16	.56	29	.04	5	2.23	.01	.03	2	5
0+50W 0+25S	2	28	15	50	.1	9	9	302	3.39	19	2	ND	2	6	1	2	2	74	.11	.03	3	16	.64	30	.04	4	2.08	.01	.03	2	5
0+00E 0+50N	4	65	17	56	.4	9	16	584	6.02	39	2	ND	2	29	2	2	2	50	.32	.09	3	11	.52	52	.07	8	2.09	.02	.07	2	15
0+00E 0+40N	7	65	56	127	.6	11	23	971	5.29	52	2	ND	2	37	2	2	2	58	.33	.06	4	15	.83	53	.02	7	2.31	.01	.05	2	5
0+00E 0+30N	7	66	39	121	.4	10	21	902	5.20	44	2	ND	2	51	2	3	2	52	.42	.06	2	14	.85	47	.02	6	2.36	.02	.06	2	5
0+00E 0+20N	3	72	33	203	.5	10	23	1538	5.36	84	2	ND	2	25	3	3	2	50	.53	.06	2	11	.80	41	.01	5	2.41	.01	.06	2	10
0+00E 0+10N	3	62	70	121	1.1	11	18	1281	4.06	57	4	ND	2	20	3	2	2	50	.68	.04	2	14	.74	42	.01	6	2.58	.01	.04	2	10
STD A-1/AU 0.5	2	30	39	186	.3	36	13	1019	2.79	9	2	ND	2	37	2	2	2	56	.62	.11	7	64	.63	255	.10	7	2.04	.02	.19	2	485

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
0+00E 0+00S	2	41	10	46	.4	9	15	534	3.50	70	5	ND	2	31	1	2	2	42	1.02	.02	2	9	.55	29	.02	3	2.51	.01	.03	2	10
0+00E 0+10S	2	42	30	59	.3	12	14	331	3.73	17	2	ND	2	12	1	2	2	73	.24	.02	2	22	.89	36	.04	5	2.34	.01	.03	2	5
0+00E 0+20S	2	49	17	62	.3	12	15	829	3.66	25	2	ND	2	18	1	2	2	64	.56	.02	3	16	.84	42	.03	4	2.54	.01	.03	2	5
0+00E 0+30S	2	53	17	65	.4	12	16	1122	3.79	27	3	ND	2	13	1	2	2	60	.57	.03	4	18	.86	40	.03	5	2.36	.01	.06	2	5
0+00E 0+40S	2	48	12	48	.3	9	11	558	3.02	21	2	ND	2	32	1	2	2	54	.93	.02	2	13	.61	97	.02	4	3.30	.01	.03	2	5
0+00E 0+50S	2	44	12	43	.3	8	10	836	2.63	27	2	ND	2	39	1	2	2	43	1.06	.03	3	11	.51	73	.02	4	2.88	.01	.04	2	5
0+25E 0+25N	2	41	25	95	1.2	15	15	447	4.00	25	6	ND	2	13	2	2	2	73	.23	.03	2	24	.96	41	.04	5	3.10	.01	.02	2	5
0+25E 0+20N	3	46	24	331	1.0	15	16	591	4.13	38	2	ND	2	16	3	2	2	72	.28	.03	2	22	.95	35	.04	5	2.93	.01	.04	2	5
0+25E 0+15N	3	57	47	182	1.0	11	16	994	4.64	30	3	ND	2	77	3	2	2	66	.36	.04	3	15	1.04	43	.01	6	2.17	.02	.04	2	5
0+25E 0+10N	4	69	425	782	9.0	11	15	1543	3.89	48	3	ND	2	14	6	7	2	54	.39	.04	4	14	.72	34	.01	6	2.18	.01	.04	2	45
0+25E 0+05N	4	62	30	123	.5	13	21	1009	5.32	94	6	ND	2	16	2	2	2	72	.31	.04	4	21	.97	32	.02	7	2.72	.01	.04	2	5
0+25E 0+00S	1	40	16	75	.2	13	16	587	3.68	20	2	ND	2	13	1	2	2	69	.23	.02	2	22	.95	30	.06	4	2.43	.01	.02	2	5
0+25E 0+05S	2	47	61	144	1.4	14	14	389	3.59	25	2	ND	2	11	1	2	3	65	.20	.03	2	21	.80	32	.04	6	2.63	.01	.03	2	5
0+25E 0+10S	2	26	19	75	.6	11	12	593	4.03	25	3	ND	2	11	2	2	2	82	.24	.04	2	19	.80	31	.03	6	2.29	.01	.03	2	5
0+25E 0+15S	2	39	19	109	.5	12	14	554	3.92	23	2	ND	2	10	2	2	2	73	.21	.04	2	19	.74	37	.02	6	2.52	.01	.03	2	5
0+25E 0+20S	3	22	19	68	.5	8	8	414	3.33	22	2	ND	2	11	1	2	2	69	.19	.03	2	13	.53	34	.02	7	1.98	.01	.03	2	5
0+25E 0+25S	3	48	32	134	.9	12	14	544	4.17	49	2	ND	2	9	2	2	2	63	.14	.04	3	17	.72	27	.02	8	2.59	.01	.03	2	5
0+50E 0+25N	2	30	53	113	.3	10	13	472	3.63	32	2	ND	2	14	2	2	2	57	.20	.03	2	15	.63	48	.01	7	2.07	.01	.04	2	5
0+50E 0+20N	2	24	36	123	.3	11	11	406	3.26	25	2	ND	2	15	2	2	2	61	.21	.02	2	15	.61	43	.01	6	2.10	.01	.03	2	5
0+50E 0+15N	3	36	622	399	8.5	9	14	1944	3.22	47	6	ND	2	20	4	4	2	49	.40	.04	2	11	.45	59	.01	7	1.95	.01	.05	2	5
0+50E 0+10N	3	20	196	406	1.2	8	11	478	3.33	45	2	ND	2	10	2	2	2	58	.19	.03	2	11	.45	43	.01	6	1.99	.01	.05	2	5
0+50E 0+05N	3	20	106	291	1.1	8	10	550	3.15	22	3	ND	2	12	2	2	2	66	.23	.03	2	11	.52	39	.01	6	2.13	.01	.04	2	5
0+50E 0+00S	3	89	910	1484	32.4	13	12	514	3.86	57	2	ND	2	8	4	17	2	58	.22	.03	2	19	.82	14	.03	7	2.44	.01	.02	2	135
0+50E 0+05S	2	60	62	159	2.1	15	15	444	4.07	35	2	ND	2	10	2	2	2	70	.16	.02	2	24	.94	33	.03	6	3.06	.01	.02	2	5
0+50E 0+10S	2	27	29	86	.9	10	13	708	3.71	27	4	ND	2	13	2	2	2	71	.21	.04	2	16	.61	44	.01	8	2.45	.01	.04	2	5
0+50E 0+15S	2	28	11	67	.3	11	13	740	3.57	24	2	ND	2	11	1	2	2	70	.18	.04	2	15	.65	47	.01	6	2.42	.01	.04	2	5
0+50E 0+20S	2	33	11	64	.2	11	12	426	3.73	30	2	ND	2	10	2	2	2	71	.22	.03	2	16	.68	39	.01	6	2.53	.01	.04	2	5
0+50E 0+25S	2	29	13	67	.3	11	14	777	3.61	23	4	ND	2	11	2	2	2	68	.17	.04	3	15	.64	43	.01	8	2.51	.01	.05	2	5
0+75E 0+25N	2	35	17	94	.4	14	15	312	3.99	30	3	ND	2	11	2	2	2	71	.12	.04	2	20	.73	37	.03	6	2.83	.01	.04	2	5
0+75E 0+20N	2	30	26	130	.3	12	13	347	3.63	29	2	ND	2	11	2	2	2	65	.13	.04	2	19	.71	35	.02	6	2.47	.01	.03	2	5
0+75E 0+15N	2	24	31	202	.8	11	11	278	3.62	30	2	ND	2	11	2	2	2	68	.15	.03	2	18	.56	36	.02	6	2.45	.01	.03	2	5
0+75E 0+10N	2	30	27	134	.4	16	12	298	3.78	32	2	ND	2	11	2	2	2	72	.14	.02	3	18	.70	37	.02	6	2.47	.01	.04	2	5
0+75E 0+05N	3	58	41	140	1.0	15	17	484	4.22	52	2	ND	2	9	2	2	2	69	.11	.02	3	24	.82	41	.02	7	2.83	.01	.03	2	5
0+75E 0+00S	2	43	34	149	1.1	14	15	349	4.04	41	2	ND	2	10	2	2	2	70	.14	.03	3	18	.76	38	.02	6	2.75	.01	.03	2	5
0+75E 0+05S	2	26	57	178	.9	10	13	483	3.74	28	2	ND	2	10	2	2	2	71	.18	.03	2	16	.56	37	.02	6	2.35	.01	.04	2	5
0+75E 0+10S	2	23	36	126	.7	11	13	487	3.66	26	2	ND	2	13	2	2	2	71	.23	.03	2	17	.61	35	.02	7	2.25	.01	.04	2	5
0+75E 0+15S	2	29	34	96	.7	10	13	583	3.72	26	2	ND	2	11	2	2	2	73	.28	.04	2	15	.64	43	.01	6	2.27	.01	.10	2	5
STD A-1/AU 0.5	2	30	40	188	.3	36	13	1039	2.82	9	2	ND	2	37	2	2	2	57	.63	.10	7	65	.64	258	.10	8	2.06	.02	.19	2	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
0+75E 0+20S	2	49	18	83	.4	18	17	443	4.68	37	5	ND	2	15	2	2	3	93	.30	.04	2	27	.97	43	.04	5	3.33	.02	.06	2	5
0+75E 0+25S	2	24	19	75	.3	11	11	362	3.63	23	5	ND	2	17	1	2	2	82	.34	.04	2	19	.58	39	.03	3	2.79	.01	.06	2	5
1+00E 0+25N	2	31	14	76	.3	13	12	281	4.12	21	2	ND	2	13	2	2	3	90	.17	.03	2	24	.71	39	.06	6	3.08	.01	.03	2	5
1+00E 0+20N	2	38	17	80	.5	16	15	325	4.08	24	3	ND	2	14	2	2	2	82	.18	.03	2	26	.87	45	.07	5	3.44	.01	.03	2	5
1+00E 0+15N	2	27	12	103	.4	11	12	288	3.65	16	3	ND	2	15	2	2	2	79	.21	.04	2	20	.56	40	.07	5	2.60	.01	.04	2	5
1+00E 0+10N	2	21	9	98	.4	8	9	245	3.24	12	2	ND	2	16	2	2	2	77	.23	.03	2	17	.48	39	.06	5	2.37	.01	.04	2	5
1+00E 0+05N	2	18	9	91	.4	9	8	215	3.11	13	2	ND	2	21	2	2	2	76	.27	.03	2	17	.48	39	.06	6	2.42	.02	.04	2	5
1+00E 0+00S	2	22	9	73	.5	11	9	251	3.42	19	2	ND	2	13	2	2	2	81	.18	.03	2	17	.59	38	.05	7	2.76	.01	.04	2	5
1+00E 0+05S	2	20	6	53	.2	8	7	214	2.98	15	4	ND	2	13	1	2	2	73	.19	.03	2	14	.44	41	.03	5	2.24	.02	.05	2	5
1+00E 0+10S	2	26	9	60	.4	9	9	276	3.62	27	2	ND	2	15	2	2	2	78	.21	.04	2	15	.48	41	.03	5	2.67	.02	.06	2	5
1+00E 0+15S	3	30	9	62	.3	10	10	282	4.07	34	2	ND	2	13	2	2	2	83	.20	.04	3	18	.58	41	.03	7	2.72	.01	.05	2	5
1+00E 0+20S	3	38	9	69	.4	11	13	299	4.20	43	2	ND	2	12	2	2	2	77	.20	.04	3	18	.60	39	.03	6	3.09	.02	.06	2	5
1+00E 0+25S	4	67	13	66	.4	14	17	382	5.21	60	3	ND	2	10	2	2	2	77	.15	.04	3	20	.80	45	.04	7	3.50	.01	.03	2	10
1+25E 0+25N	2	28	10	63	.2	13	11	259	3.99	19	2	ND	2	11	2	2	2	90	.16	.03	2	24	.68	43	.06	6	3.11	.01	.03	2	5
1+25E 0+20N	2	29	10	70	.3	13	12	276	4.13	17	2	ND	2	13	2	2	2	93	.17	.03	2	25	.73	39	.06	5	3.20	.01	.03	2	5
1+25E 0+15N	2	45	10	66	.4	17	16	361	4.37	21	2	ND	2	12	2	2	2	88	.18	.03	3	30	.99	51	.09	5	3.69	.01	.03	2	5
1+25E 0+10N	2	48	9	76	.9	19	17	346	4.69	24	2	ND	2	15	2	2	2	92	.23	.04	3	32	.95	41	.09	7	3.67	.01	.03	2	5
1+25E 0+05N	2	32	10	65	.5	14	12	305	4.15	18	2	ND	2	16	2	2	2	94	.23	.03	2	25	.78	43	.08	6	3.00	.02	.04	2	5
1+25E 0+00S	2	20	6	54	.3	10	8	247	3.25	10	2	ND	2	13	1	2	2	85	.20	.03	3	21	.58	49	.07	6	2.29	.02	.04	2	5
1+25E 0+05S	2	22	7	50	.3	11	9	229	3.62	11	2	ND	2	14	2	2	2	87	.20	.03	2	22	.61	34	.07	5	2.73	.01	.03	2	5
1+25E 0+10S	2	20	6	43	.2	10	8	263	3.30	13	2	ND	2	18	1	2	2	85	.25	.03	2	21	.53	41	.07	6	2.25	.02	.04	2	5
1+25E 0+15S	2	22	9	57	.2	11	11	239	3.57	9	2	ND	2	15	1	2	2	82	.20	.03	2	22	.58	39	.07	5	2.82	.01	.03	2	5
1+25E 0+20S	2	32	9	68	.3	14	15	276	4.02	15	2	ND	2	12	2	2	2	87	.17	.03	4	26	.78	43	.09	6	3.22	.01	.03	2	15
1+25E 0+25S	2	26	8	54	.1	11	11	271	3.96	17	2	ND	2	18	2	2	2	92	.29	.04	3	24	.69	41	.07	7	2.65	.01	.04	2	5
1+50E 0+25N	2	28	9	55	.2	14	12	297	4.13	10	2	ND	2	14	1	2	2	100	.22	.04	2	26	.80	35	.10	7	2.96	.01	.03	2	5
1+50E 0+20N	1	20	6	47	.1	10	9	251	3.79	11	2	ND	2	17	1	2	2	98	.27	.04	4	20	.57	38	.07	5	2.51	.01	.04	2	5
1+50E 0+15N	2	22	6	53	.2	12	11	225	3.95	4	2	ND	2	14	2	2	2	100	.21	.03	3	25	.60	39	.08	6	3.01	.01	.03	2	5
1+50E 0+10N	2	21	3	47	.2	11	9	232	3.69	11	4	ND	2	16	2	2	2	93	.23	.03	3	23	.60	35	.08	7	2.71	.01	.04	2	5
1+50E 0+05N	2	27	6	58	.1	13	12	270	4.10	14	2	ND	2	12	2	2	2	99	.19	.04	4	28	.73	33	.09	6	3.13	.01	.03	2	5
1+50E 0+00S	2	40	8	62	.1	17	16	358	4.63	12	2	ND	2	13	2	2	2	104	.20	.04	4	35	1.10	45	.11	8	3.58	.01	.02	2	5
1+50E 0+05S	2	32	6	58	.2	14	13	299	4.05	14	2	ND	2	15	2	2	2	93	.21	.04	3	28	.86	41	.10	7	3.10	.01	.03	2	5
1+50E 0+10S	2	19	4	49	.2	11	9	230	3.43	7	2	ND	2	14	1	2	2	92	.20	.03	3	24	.63	33	.09	6	2.60	.01	.03	2	5
1+50E 0+15S	2	17	5	42	.1	9	8	200	3.16	3	2	ND	2	13	1	2	2	85	.18	.03	4	18	.53	33	.09	5	2.45	.01	.03	2	10
1+50E 0+20S	2	14	5	32	.1	8	6	165	2.56	2	2	ND	2	17	1	2	2	77	.22	.02	3	15	.45	34	.09	7	2.07	.01	.03	2	5
1+50E 0+25S	2	25	2	48	.2	13	11	233	3.37	9	2	ND	2	13	1	2	2	83	.16	.03	3	25	.74	41	.10	6	2.99	.01	.02	2	5
1+75E 0+50N	1	19	8	44	.2	9	8	211	3.29	14	2	ND	2	19	1	2	2	85	.21	.03	3	19	.53	33	.06	5	2.45	.01	.03	2	5
1+75E 0+40N	2	24	9	52	.3	12	11	242	4.11	21	2	ND	2	15	2	2	2	97	.19	.03	4	24	.62	38	.07	8	2.78	.02	.04	2	5
STD A-1/AU 0.5	2	29	39	184	.3	36	13	1008	2.76	9	2	ND	2	37	2	2	2	55	.61	.10	8	63	.62	252	.09	8	2.02	.02	.20	2	515

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
1+75E 0+30N	2	19	7	42	.3	10	8	207	3.45	12	3	ND	2	14	1	2	2	92	.19	.03	2	21	.56	36	.08	8	2.52	.01	.03	2	5
1+75E 0+20N	2	29	2	50	.2	13	12	253	3.78	17	2	ND	2	13	1	2	2	90	.17	.03	2	24	.73	41	.10	10	3.14	.01	.03	2	5
1+75E 0+10N	1	18	3	41	.2	9	7	196	3.26	10	2	ND	2	13	1	2	2	88	.18	.03	2	20	.48	31	.08	6	2.28	.02	.04	2	5
1+75E 0+00S	2	22	5	47	.1	11	8	223	3.37	11	2	ND	2	15	1	2	2	86	.21	.03	2	23	.59	40	.09	7	2.56	.01	.04	2	5
1+75E 0+10S	2	26	4	55	.3	12	10	222	3.45	15	2	ND	2	15	2	2	2	83	.17	.03	2	25	.65	41	.09	9	3.06	.01	.03	2	5
1+75E 0+20S	2	27	3	52	.2	11	9	225	3.57	19	2	ND	2	12	2	2	2	82	.15	.03	2	21	.57	39	.07	7	2.95	.01	.03	2	5
1+75E 0+30S	2	27	2	48	.2	10	8	243	3.59	29	3	ND	2	14	1	2	2	87	.19	.03	2	21	.56	34	.06	7	2.61	.02	.03	2	5
1+75E 0+40S	2	28	1	45	.1	11	9	254	3.57	26	3	ND	2	15	2	2	2	85	.20	.03	2	20	.59	40	.06	10	2.78	.01	.03	2	5
1+75E 0+50S	2	26	4	48	.2	11	9	243	3.44	23	2	ND	2	15	1	2	2	80	.20	.04	2	21	.62	35	.07	7	2.84	.01	.03	2	5
2+00E 0+25N	2	29	3	54	.1	12	12	259	3.74	11	4	ND	2	14	2	2	2	90	.17	.03	2	24	.72	36	.10	9	3.17	.01	.03	2	5
2+00E 0+20N	1	22	1	51	.2	11	9	219	3.70	14	3	ND	2	15	1	2	2	94	.19	.03	2	22	.53	34	.09	9	2.82	.02	.04	2	5
2+00E 0+15N	3	28	5	59	.2	13	12	284	4.06	22	2	ND	2	18	2	2	2	100	.21	.03	2	26	.73	33	.10	8	3.00	.02	.03	2	5
2+00E 0+10N	2	33	4	66	.4	15	12	305	4.47	19	3	ND	2	13	2	2	2	102	.17	.04	2	29	.82	44	.10	9	3.17	.01	.03	2	5
2+00E 0+05N	2	25	14	79	.7	11	10	245	4.07	32	6	ND	2	14	2	2	2	90	.16	.04	2	22	.56	38	.07	8	2.91	.01	.04	2	20
2+00E 0+00S	3	21	14	67	.4	10	8	236	3.50	29	2	ND	2	12	2	2	2	88	.16	.03	3	21	.50	36	.06	9	2.56	.01	.04	2	5
2+00E 0+05S	3	32	20	121	.5	12	12	293	4.00	39	3	ND	2	10	2	2	2	83	.15	.04	2	23	.63	42	.06	8	3.22	.01	.05	2	5
2+00E 0+10S	3	27	19	79	.7	10	9	255	3.75	35	4	ND	2	12	2	2	2	89	.14	.03	2	19	.52	35	.04	8	2.57	.02	.04	2	5
2+00E 0+15S	5	44	30	124	1.4	10	11	344	4.79	80	8	ND	2	10	2	2	3	91	.11	.04	2	19	.53	39	.03	8	2.50	.01	.05	2	5
2+00E 0+20S	3	28	5	82	.9	9	10	284	3.93	39	2	ND	2	11	2	2	3	86	.14	.04	2	15	.47	31	.05	7	2.47	.01	.05	2	205
2+00E 0+25S	3	19	10	57	1.1	7	6	213	3.04	28	2	ND	2	12	1	2	2	77	.15	.03	2	15	.37	30	.03	6	2.29	.01	.05	2	225
2+25E 0+50N	2	27	5	53	.1	12	12	353	3.89	12	2	ND	2	13	1	2	2	96	.17	.03	2	24	.67	39	.10	10	2.85	.01	.03	2	5
2+25E 0+40N	2	18	6	44	.1	8	7	182	3.04	11	2	ND	2	14	1	2	2	79	.16	.03	2	20	.46	33	.09	9	2.52	.01	.03	2	85
2+25E 0+30N	2	19	4	37	.1	8	6	178	3.06	12	2	ND	2	14	1	2	3	84	.16	.03	2	18	.43	34	.07	8	2.40	.01	.03	2	5
2+25E 0+20N	2	31	5	60	.2	13	12	281	4.04	9	2	ND	2	14	2	2	2	96	.18	.03	2	26	.72	38	.09	6	3.25	.01	.03	2	5
2+25E 0+10N	2	32	2	58	.2	14	12	289	3.99	14	2	ND	2	10	1	2	2	93	.14	.04	2	28	.76	37	.10	9	3.24	.01	.03	2	5
2+25E 0+00S	2	22	5	54	.1	10	8	234	3.31	17	2	ND	2	14	1	2	2	85	.16	.02	2	21	.57	39	.08	8	2.67	.02	.03	2	5
2+25E 0+10S	3	34	11	99	.3	13	11	326	4.55	36	2	ND	2	12	2	2	2	98	.22	.04	2	23	.72	35	.07	10	2.84	.02	.05	2	10
2+25E 0+20S	3	22	6	47	.2	9	8	231	3.65	37	2	ND	2	13	2	2	2	93	.16	.03	2	19	.51	32	.05	8	2.48	.02	.04	2	25
2+25E 0+30S	3	48	9	61	.3	13	13	359	4.32	54	5	ND	2	14	2	2	2	85	.18	.04	2	22	.74	49	.06	11	2.96	.02	.04	2	5
2+25E 0+40S	2	24	4	45	.1	10	8	250	3.53	21	2	ND	2	11	1	2	2	87	.13	.02	2	21	.59	34	.06	7	2.57	.02	.03	2	5
2+25E 0+50S	3	53	13	61	.1	13	12	340	4.94	58	2	ND	2	12	2	2	2	83	.15	.04	2	22	.65	33	.02	9	2.93	.01	.05	2	5
2+25E 0+60S	2	33	4	54	.7	15	14	293	4.03	18	2	ND	2	12	2	2	2	93	.16	.03	2	27	.85	39	.10	10	3.42	.02	.03	2	5
2+25E 0+70S	2	25	3	44	.2	11	9	235	3.45	18	2	ND	2	13	1	2	2	85	.18	.04	2	23	.64	34	.09	9	2.85	.01	.03	2	5
2+25E 0+80S	2	20	5	44	.1	9	8	226	3.63	31	2	ND	2	14	1	2	2	94	.18	.04	2	21	.49	35	.08	9	2.55	.02	.04	2	5
2+25E 0+85S	2	33	1	51	.1	14	13	280	3.61	57	2	ND	2	14	1	2	2	78	.19	.04	2	26	.76	52	.10	9	3.43	.01	.03	2	5
2+25E 0+90S	2	35	2	56	.2	14	15	299	3.91	65	2	ND	2	12	2	2	2	81	.18	.04	2	26	.80	46	.11	7	3.54	.01	.03	2	5
2+25E 0+95S	2	22	4	45	.2	11	8	339	3.31	27	2	ND	2	18	1	2	2	84	.24	.04	2	21	.56	42	.09	8	2.49	.02	.04	2	5
STD A-1/AU 0.5	2	30	39	186	.3	36	13	1029	2.79	9	2	ND	2	37	2	2	2	56	.62	.10	7	64	.63	255	.10	8	2.05	.02	.20	2	485

IMPERIAL METALS PROJECT # MAR FILE # 84-1281

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
2+25E 1+00S	1	22	2	57	.3	10	10	284	3.39	24	2	ND	2	17	1	2	2	84	.25	.04	2	26	.54	39	.11	5	3.15	.02	.04	2	35
2+25E 1+05S	1	27	2	61	.2	12	11	310	3.77	37	3	ND	2	16	1	2	2	88	.23	.03	5	27	.73	51	.13	6	3.36	.01	.03	2	60
2+50E 0+25N	1	36	44	151	1.0	14	14	320	4.45	23	4	ND	2	14	2	2	2	97	.26	.03	2	29	.77	39	.09	6	3.70	.01	.04	2	95
2+50E 0+20N	2	28	80	374	.6	12	13	457	4.28	37	4	ND	2	13	2	2	2	94	.39	.03	4	24	.66	39	.04	6	3.21	.01	.06	2	25
2+50E 0+15N	3	33	128	814	1.1	11	14	678	4.53	56	3	ND	2	12	3	2	2	88	.40	.03	3	24	.66	35	.02	7	3.17	.01	.07	2	285
2+50E 0+10N	2	26	110	677	1.0	10	13	604	4.47	46	4	ND	2	13	2	2	2	93	.36	.03	3	20	.59	38	.03	7	2.89	.02	.08	2	40
2+50E 0+05N	2	36	58	514	1.2	13	13	409	4.88	44	4	ND	2	12	2	2	2	104	.30	.04	5	26	.76	41	.05	9	3.50	.01	.05	2	15
2+50E 0+00S	1	38	14	205	.5	15	17	346	4.58	21	3	ND	2	13	2	2	2	99	.22	.03	4	24	.75	39	.06	7	3.77	.01	.04	2	5
2+50E 0+05S	1	28	15	180	.6	13	13	392	4.41	26	3	ND	2	15	2	2	2	107	.33	.03	5	25	.71	40	.05	7	3.26	.01	.07	2	5
2+50E 0+10S	1	42	12	170	.5	15	14	428	5.61	51	4	ND	2	14	2	2	2	113	.30	.04	5	26	.84	42	.06	5	3.59	.02	.05	2	5
2+50E 0+15S	3	25	24	83	.5	11	9	246	4.02	21	3	ND	2	14	2	2	2	101	.23	.03	5	25	.57	37	.06	7	2.92	.01	.04	2	5
2+50E 0+20S	2	20	5	59	.4	8	7	218	3.47	18	2	ND	2	15	2	2	2	87	.22	.04	4	19	.45	33	.08	6	2.63	.02	.04	2	5
2+50E 0+25S	1	27	8	56	.4	11	9	285	4.00	29	3	ND	2	16	1	2	2	98	.24	.05	3	27	.57	38	.08	7	2.90	.01	.06	2	5
2+50E 0+30S	2	29	5	64	.4	13	13	268	4.11	11	2	ND	2	16	2	2	2	92	.23	.03	4	26	.69	40	.10	6	3.47	.01	.04	2	5
2+75E 0+50N	1	45	7	65	.4	15	15	336	4.78	7	4	ND	2	19	1	2	2	103	.28	.04	2	31	.88	45	.12	9	3.66	.01	.04	2	95
2+75E 0+40N	1	39	3	65	.1	15	16	327	4.58	4	4	ND	2	20	1	2	2	106	.29	.03	3	30	.94	44	.14	6	3.65	.01	.04	2	5
2+75E 0+30N	1	41	4	63	.1	17	17	325	4.64	8	3	ND	2	17	2	2	2	101	.24	.04	2	30	.96	40	.13	5	3.72	.01	.03	2	5
2+75E 0+20N	1	22	2	54	.1	12	11	349	4.03	3	3	ND	2	20	1	2	2	100	.28	.04	3	25	.66	52	.11	5	2.96	.01	.07	2	55
2+75E 0+10N	1	27	5	60	.2	14	13	388	4.28	4	3	ND	2	18	1	2	2	104	.24	.03	3	29	.75	45	.12	4	3.19	.01	.04	2	5
2+75E 0+00S	1	36	3	67	.1	13	15	402	4.66	18	3	ND	2	18	1	2	2	104	.24	.04	4	25	.78	51	.12	5	3.57	.01	.06	2	5
2+75E 0+10S	1	29	9	67	.3	13	13	325	4.40	9	2	ND	2	18	1	2	2	99	.23	.03	2	27	.72	42	.09	5	3.29	.01	.05	2	5
2+75E 0+20S	1	37	7	72	.3	15	15	346	4.64	17	3	ND	2	20	1	2	2	96	.24	.04	3	29	.79	39	.09	5	3.53	.01	.05	2	5
2+75E 0+40S	2	30	4	58	.1	12	13	306	4.11	19	2	ND	2	19	1	2	2	89	.27	.04	5	26	.69	40	.09	6	3.16	.01	.04	2	5
3+00E 0+25N	1	33	4	62	.3	14	14	269	4.43	3	3	ND	2	18	1	2	2	107	.26	.04	2	30	.70	38	.11	7	3.71	.01	.05	2	5
3+00E 0+20N	1	40	4	64	.2	16	15	312	4.59	2	3	ND	2	17	1	2	2	109	.24	.03	2	35	.95	39	.13	7	3.68	.01	.04	2	5
3+00E 0+15N	1	44	5	64	.2	16	16	343	4.64	7	3	ND	2	18	1	2	2	105	.25	.04	3	31	.98	51	.13	6	3.85	.01	.03	2	5
3+00E 0+10N	1	23	3	58	.3	12	11	266	4.01	2	3	ND	2	17	1	2	2	100	.23	.04	2	25	.67	32	.11	7	2.94	.01	.04	2	5
3+00E 0+05N	1	31	1	56	.2	13	12	271	4.27	2	3	ND	2	16	1	2	2	107	.21	.03	4	28	.78	35	.13	6	3.51	.01	.03	2	5
3+00E 0+00S	1	18	4	46	.1	10	9	237	3.62	2	2	ND	2	19	1	2	2	99	.26	.03	6	27	.57	41	.12	8	2.67	.01	.03	2	10
3+00E 0+05S	2	17	2	35	.2	9	8	195	3.34	5	2	ND	2	19	1	2	2	94	.25	.02	5	21	.48	40	.11	7	2.42	.01	.03	2	5
3+00E 0+10S	1	22	4	45	.1	12	10	272	3.80	4	2	ND	2	20	1	2	2	100	.28	.03	2	26	.67	52	.11	5	2.75	.01	.04	2	10
3+00E 0+15S	1	29	2	55	.2	13	13	272	3.98	8	2	ND	2	20	1	2	2	96	.27	.04	6	27	.66	41	.12	7	3.57	.01	.04	2	5
3+00E 0+20S	2	21	3	46	.2	11	10	246	3.80	5	2	ND	2	19	1	2	2	101	.25	.03	5	28	.62	40	.11	7	3.04	.01	.02	2	5
3+00E 0+25S	1	37	1	63	.2	16	16	481	4.55	2	2	ND	2	19	2	2	2	108	.27	.03	4	33	.99	41	.14	6	3.62	.02	.04	2	5
3+50E 0+50N	2	51	50	93	.3	14	12	341	6.18	27	2	ND	2	16	1	2	2	98	.13	.05	8	22	.64	45	.08	6	3.65	.01	.05	2	5
3+50E 0+40N	1	61	21	78	.4	13	13	410	5.92	23	2	ND	2	22	2	2	2	99	.15	.05	6	19	.70	52	.11	4	3.94	.01	.06	2	10
3+50E 0+30N	2	60	21	86	.4	13	11	431	6.47	21	3	ND	2	16	2	2	2	105	.16	.06	5	23	.70	57	.10	5	4.09	.01	.07	2	5
STD A-1/AU 0.5	2	31	40	188	.3	36	13	1029	2.82	9	2	ND	2	37	2	2	2	57	.63	.10	7	65	.64	258	.11	8	2.07	.02	.21	2	495

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
3+50E 0+20N	2	40	11	78	.3	11	11	316	4.68	22	2	ND	2	16	1	2	2	93	.19	.05	2	23	.58	43	.06	7	3.01	.01	.06	2	5
3+50E 0+10N	1	34	3	70	.2	15	13	350	4.37	14	2	ND	2	14	1	2	2	99	.21	.04	2	25	.83	44	.09	8	3.46	.01	.05	2	5
3+50E 0+00S	1	27	7	68	.1	14	14	276	4.06	7	2	ND	2	14	1	2	2	98	.20	.03	2	29	.81	37	.10	8	3.54	.01	.06	2	5
3+50E 0+10S	1	26	2	62	.1	14	13	278	4.10	6	2	ND	2	15	1	2	2	98	.23	.04	2	28	.82	35	.10	7	3.50	.01	.04	2	5
3+50E 0+20S	2	27	1	61	.1	15	13	275	4.06	7	2	ND	2	17	1	2	2	100	.26	.05	2	31	.84	38	.12	8	3.49	.01	.07	2	5
3+50E 0+30S	1	30	1	66	.1	15	14	305	4.48	2	2	ND	2	17	2	2	2	110	.27	.04	2	30	.96	36	.14	6	3.66	.01	.05	2	10
3+50E 0+40S	1	25	1	65	.3	13	11	272	3.72	4	2	ND	2	18	1	2	2	91	.27	.05	2	27	.73	38	.12	7	3.41	.01	.05	2	5
3+50E 0+50S	2	20	1	61	.1	12	10	297	3.66	4	2	ND	2	16	1	2	2	90	.27	.09	2	23	.68	36	.10	7	3.22	.01	.05	2	5
4+00E 0+50N	1	50	13	97	.3	12	11	353	4.86	22	2	ND	2	14	1	2	2	88	.13	.05	2	19	.59	41	.08	5	3.66	.01	.06	2	15
4+00E 0+40N	2	29	17	66	.3	9	8	263	4.16	17	2	ND	2	16	1	2	2	89	.18	.04	2	16	.48	51	.06	9	3.00	.01	.07	2	5
4+00E 0+30N	2	33	13	81	.5	9	10	272	4.09	19	2	ND	2	14	1	2	2	82	.15	.04	2	17	.44	46	.05	8	3.04	.01	.06	2	5
4+00E 0+20N	2	29	20	86	.3	9	9	303	4.29	22	3	ND	2	14	1	2	2	90	.16	.04	2	17	.47	43	.05	7	2.92	.01	.06	2	5
4+00E 0+10N	2	39	11	94	.5	13	13	308	4.24	16	2	ND	2	15	1	2	2	87	.18	.04	2	24	.63	39	.06	5	3.21	.01	.06	2	5
4+00E 0+00S	2	44	28	156	1.4	9	11	287	4.93	40	5	ND	2	12	2	2	2	77	.11	.06	2	15	.47	51	.02	7	3.12	.01	.08	2	5
4+00E 0+10S	3	48	28	93	2.3	10	12	250	5.36	44	2	ND	2	11	1	2	2	81	.10	.06	2	18	.50	39	.02	7	2.94	.01	.07	2	5
4+00E 0+20S	1	39	6	71	.5	14	14	374	4.64	17	3	ND	2	14	1	2	2	94	.22	.06	2	26	.73	44	.05	7	3.36	.01	.09	2	5
4+00E 0+30S	2	42	1	69	.1	18	16	373	4.72	15	3	ND	2	18	1	2	2	100	.26	.06	2	35	.93	48	.07	6	3.93	.01	.07	2	80
4+00E 0+40S	2	31	5	61	.1	12	13	349	4.29	13	2	ND	2	17	1	2	2	93	.23	.04	2	23	.72	41	.06	5	3.21	.01	.06	2	5
4+00E 0+50S	1	33	1	64	.1	16	15	299	4.42	10	2	ND	2	15	1	2	2	102	.21	.04	2	27	.88	32	.09	4	3.62	.01	.05	2	5
4+27E 0+50N	3	64	23	85	.4	14	13	360	5.98	25	2	ND	2	16	1	2	2	99	.15	.06	2	21	.69	52	.08	7	3.66	.01	.06	2	10
4+27E 0+45N	2	72	27	76	.3	12	10	368	7.52	24	2	ND	2	17	1	2	2	109	.14	.07	2	21	.61	51	.15	5	3.66	.01	.06	2	5
4+27E 0+40N	2	37	39	150	.3	9	9	269	4.70	18	3	ND	2	16	1	2	2	94	.18	.05	2	19	.51	50	.07	7	3.03	.01	.07	2	5
4+27E 0+35N	3	47	11	92	.3	13	12	369	4.87	15	2	ND	2	16	2	2	2	88	.18	.05	2	23	.57	49	.09	8	3.65	.01	.07	2	5
4+27E 0+30N	2	45	10	74	.1	15	14	336	4.78	15	3	ND	2	15	1	2	2	88	.17	.05	2	24	.68	41	.10	7	3.51	.01	.06	2	5
4+50E 0+50N	2	25	15	54	.2	7	7	205	3.92	12	6	ND	2	15	1	2	2	83	.18	.05	2	17	.39	39	.04	6	2.66	.01	.06	2	5
4+50E 0+40N	3	59	15	74	.2	12	11	362	5.60	23	2	ND	2	13	1	2	2	98	.14	.06	2	24	.59	47	.08	7	3.52	.01	.06	2	5
4+50E 0+30N	2	45	12	64	.2	12	12	317	5.46	26	2	ND	2	14	1	2	2	103	.17	.05	2	23	.54	45	.07	7	3.52	.01	.06	2	5
4+50E 0+20N	2	17	7	48	.1	10	8	225	3.25	2	4	ND	2	16	1	2	2	85	.22	.03	2	20	.53	35	.07	6	2.63	.01	.05	2	5
4+50E 0+10N	2	43	5	76	.2	14	14	324	4.61	17	2	ND	2	16	1	2	2	99	.19	.05	2	27	.74	42	.08	7	3.57	.01	.05	2	5
4+50E 0+00S	1	27	9	207	1.3	14	15	259	3.65	7	4	ND	2	15	1	2	2	75	.20	.08	2	26	.54	48	.09	9	3.65	.01	.07	2	5
4+50E 0+10S	2	45	6	75	.2	15	16	320	4.96	17	2	ND	2	14	1	2	2	102	.16	.05	2	28	.76	42	.10	6	3.63	.01	.04	2	10
4+50E 0+20S	2	45	4	77	.1	23	19	376	5.31	3	2	ND	2	14	2	2	2	123	.20	.03	2	41	1.18	55	.16	8	4.33	.01	.04	2	5
4+50E 0+30S	2	31	6	65	.1	14	13	310	4.17	10	3	ND	2	14	1	2	2	95	.20	.04	2	28	.72	41	.09	7	3.39	.01	.05	2	5
4+50E 0+40S	2	26	7	64	.3	12	12	299	4.09	17	2	ND	2	16	1	2	2	90	.22	.05	2	22	.58	49	.07	9	3.17	.01	.05	2	5
4+50E 0+50S	2	24	6	67	.2	12	11	252	3.51	14	2	ND	2	15	1	2	2	79	.21	.05	2	22	.56	39	.07	6	3.40	.01	.05	2	5
5+00E 0+50N	2	60	91	96	1.0	13	11	356	5.71	31	6	ND	2	12	1	2	2	98	.12	.07	2	23	.65	59	.07	6	3.62	.01	.06	2	5
5+00E 0+40N	2	55	15	78	.9	13	12	313	4.94	21	2	ND	2	14	2	2	2	89	.14	.06	3	22	.55	48	.07	10	3.70	.01	.06	2	5
STD A-1/AU 0.5	2	30	39	186	.3	36	13	1029	2.79	9	2	ND	2	37	2	2	2	56	.62	.11	7	64	.63	255	.10	7	2.05	.02	.20	2	495

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
5+00E 0+30N	3	35	9	67	.4	9	10	291	3.88	20	3	ND	2	10	1	2	2	69	.10	.05	3	17	.53	39	.04	8	3.01	.01	.04	2	5
5+00E 0+20N	2	35	11	63	.6	6	6	298	4.42	16	5	ND	2	8	1	2	2	72	.08	.06	3	13	.44	49	.02	8	2.85	.01	.06	2	5
5+00E 0+10N	3	40	10	66	1.0	8	9	262	4.58	19	3	ND	2	8	1	2	2	78	.09	.06	5	18	.43	36	.03	10	2.72	.01	.05	2	5
5+00E 0+00S	3	44	7	59	.8	9	9	301	4.92	35	2	ND	2	8	2	2	2	82	.08	.07	5	19	.53	43	.04	10	2.79	.01	.04	2	5
5+00E 0+10S	2	44	8	69	.6	12	12	291	4.35	20	2	ND	2	9	2	2	2	77	.09	.06	5	20	.57	40	.06	9	3.17	.01	.05	2	5
5+00E 0+20S	2	27	5	54	.5	13	11	329	3.88	15	2	ND	2	15	1	2	2	83	.20	.04	4	26	.73	55	.05	8	2.57	.01	.04	2	40
5+00E 0+30S	2	39	6	52	.6	13	12	293	4.29	20	2	ND	2	8	1	2	2	85	.11	.04	3	25	.65	44	.06	8	2.89	.01	.04	2	5
5+00E 0+40S	2	21	8	47	1.2	8	8	211	3.22	15	2	ND	2	10	1	2	2	70	.12	.04	3	20	.45	38	.04	6	2.64	.01	.04	2	5
5+00E 0+50S	1	22	10	43	.4	8	8	198	3.46	14	3	ND	2	9	1	2	2	72	.12	.04	4	16	.43	44	.04	7	2.71	.01	.04	2	5
13T-M-1	2	69	3	56	.2	142	27	518	3.99	4	2	ND	2	33	2	3	2	106	1.59	.04	5	241	2.86	25	.15	13	3.38	.01	.02	2	5
13T-M-1S	2	49	2	53	.1	105	23	435	3.89	8	2	ND	2	18	2	2	2	102	1.03	.03	4	178	2.17	23	.12	9	3.02	.01	.03	2	5
STD A-1	2	30	38	184	.3	36	13	1039	2.76	9	2	ND	2	37	2	2	2	55	.61	.10	7	63	.62	252	.10	8	2.03	.01	.20	2	-

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 3-1-3 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: P1-P3 SOIL P4 ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

Soils -80 pulverized

DATE RECEIVED: JUNE 28 1984 DATE REPORT MAILED: June 30/84 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT # MAC FILE # 84-1312

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
1+50W 0+80N	3	20	8	57	.2	9	7	227	3.57	16	3	ND	2	17	1	2	2	87	.24	.05	2	19	.47	36	.11	8	2.60	.01	.04	2	5
1+50W 0+70N	3	24	3	49	.2	9	9	221	3.77	14	4	ND	2	15	1	2	2	91	.25	.05	2	17	.45	35	.11	6	3.10	.01	.04	2	5
1+50W 0+60N	3	32	7	60	.4	11	11	266	4.10	21	2	ND	2	13	1	2	2	91	.22	.05	2	21	.64	37	.10	9	3.26	.01	.03	2	5
1+00W 0+80N	3	23	7	79	.1	9	11	536	3.58	17	2	ND	2	16	1	2	2	77	.24	.06	2	17	.45	41	.09	6	2.52	.01	.05	2	5
1+00W 0+70N	2	14	7	65	.1	7	6	197	2.64	13	3	ND	2	18	1	2	2	72	.24	.03	2	12	.38	44	.07	7	2.07	.01	.04	2	10
1+00W 0+60N	2	18	10	64	.1	7	7	213	2.83	11	2	ND	2	15	1	2	2	74	.22	.03	2	15	.42	39	.08	5	2.05	.01	.05	2	25
2+50E 0+35S	2	26	4	54	.2	11	10	245	4.52	28	2	ND	2	14	1	2	2	102	.20	.05	2	21	.58	33	.10	6	3.19	.01	.03	2	5
2+50E 0+45S	3	24	5	50	.2	11	10	235	4.09	23	3	ND	2	19	1	2	2	92	.25	.04	2	20	.58	39	.10	7	2.90	.01	.04	2	5
2+50E 0+55S	3	30	4	50	.2	13	10	260	3.74	22	2	ND	2	17	1	2	2	86	.23	.05	2	22	.64	34	.09	5	2.99	.01	.05	2	45
2+50E 0+65S	3	25	1	48	.1	12	10	245	3.71	22	2	ND	2	16	1	2	2	85	.23	.04	2	22	.63	33	.11	7	3.12	.01	.03	2	80
2+50E 0+75S	2	26	4	53	.1	12	10	259	4.16	49	3	ND	2	15	1	2	2	90	.22	.05	2	22	.58	35	.11	7	3.11	.01	.03	2	5
2+50E 0+85S	2	26	1	43	.1	12	9	225	3.41	17	4	ND	2	15	1	2	2	84	.21	.03	3	22	.59	39	.11	7	2.83	.01	.03	2	5
2+50E 0+95S	2	24	4	45	.1	12	11	211	3.39	13	2	ND	2	15	1	2	2	85	.23	.03	3	23	.66	33	.12	7	3.29	.01	.02	2	10
2+50E 1+05S	2	35	3	55	.2	16	15	270	4.06	26	2	ND	2	14	1	2	2	89	.21	.03	2	27	.84	50	.12	8	3.71	.01	.02	2	25
2+36E 0+80S	2	35	2	53	.2	15	14	314	3.98	27	2	ND	2	16	1	2	2	88	.23	.03	2	29	.82	47	.13	6	3.44	.01	.03	2	5
2+36E 0+85S	2	23	1	44	.1	11	10	229	3.20	18	2	ND	2	16	1	2	2	81	.23	.03	2	19	.60	39	.12	5	3.10	.01	.03	2	5
2+36E 0+90S	2	28	2	51	.2	14	13	259	3.73	17	2	ND	2	16	1	2	2	91	.24	.03	2	27	.77	42	.13	9	3.69	.01	.03	2	5
2+36E 0+95S	1	25	3	46	.3	12	12	225	3.41	16	2	ND	2	14	1	2	2	85	.23	.03	2	23	.66	36	.12	8	3.50	.01	.03	2	5
2+36E 1+00S	3	26	5	50	.1	11	10	273	4.00	39	2	ND	2	18	1	2	2	95	.27	.04	3	21	.59	42	.13	8	2.93	.01	.04	2	5
MR-0	10	477	9849	2877	300.6	14	18	4504	5.96	182	2	ND	2	17	28	60	2	67	.39	.04	9	17	.75	27	.05	7	2.72	.01	.04	2	2100
MR-1	7	81	224	336	5.4	15	18	722	6.32	66	2	ND	2	26	3	7	2	62	.25	.05	12	16	.71	41	.04	9	2.60	.02	.05	2	10
MR-2	3	65	73	266	2.0	14	24	1137	4.90	72	3	ND	2	59	3	3	3	70	.49	.04	5	16	.82	48	.07	8	2.64	.02	.05	2	190
MR-3	3	59	38	118	.3	18	24	949	5.26	56	3	ND	2	35	2	2	2	81	.39	.05	3	25	.94	45	.12	6	3.07	.02	.04	2	5
MR-4	3	57	27	99	.4	17	19	781	4.90	54	2	ND	2	32	2	2	2	86	.31	.04	6	24	.94	53	.08	11	3.90	.01	.03	2	5
MR-5	3	59	50	95	1.4	17	20	1094	4.86	53	2	ND	2	25	2	2	2	83	.30	.04	5	23	1.01	48	.07	8	3.39	.01	.04	2	20
MR-6	2	28	3	58	.6	13	13	270	4.01	17	2	ND	2	16	1	2	2	98	.23	.02	2	26	.69	44	.11	9	3.48	.01	.04	2	10
MR-7	1	52	7	70	.5	21	19	643	5.26	15	2	ND	2	29	1	2	2	110	.39	.03	2	40	1.37	48	.13	7	4.38	.01	.03	2	5
MR-8	3	48	5	60	.5	17	16	362	4.45	17	5	ND	2	16	2	2	2	97	.23	.03	4	31	.96	65	.14	11	4.20	.01	.02	2	5
MR-9	2	49	13	72	.5	17	17	533	4.72	38	2	ND	2	25	2	2	2	96	.28	.03	3	27	.97	58	.14	11	3.92	.01	.03	2	5
MR-10	2	55	21	105	.4	15	17	755	4.98	48	2	ND	2	31	2	2	2	92	.32	.03	4	26	.86	57	.12	8	2.96	.02	.04	2	25
MR-11	4	54	20	98	.5	15	19	692	5.29	44	2	ND	2	20	2	2	2	95	.30	.04	5	22	.81	54	.14	10	4.01	.01	.04	2	70
MR-12	2	51	15	70	.3	16	15	506	4.61	20	2	ND	2	24	1	2	2	88	.22	.03	5	28	.93	47	.13	9	3.27	.01	.04	2	5
MR-13	3	68	42	149	.3	16	18	657	5.77	35	2	ND	2	42	2	2	2	92	.22	.04	6	23	.75	56	.14	10	3.66	.02	.05	2	5
MR-14	1	111	87	216	.7	13	22	757	10.76	41	2	ND	2	26	4	2	2	155	.15	.08	7	23	.66	35	.14	6	3.55	.02	.04	2	5
MR-15	1	170	146	245	.7	6	10	429	15.27	54	2	ND	2	13	1	2	2	89	.06	.09	4	22	.44	14	.02	2	2.17	.01	.05	2	5
MR-16	2	96	35	92	.4	13	14	558	9.06	43	2	ND	2	41	1	2	2	112	.30	.08	7	27	.80	54	.21	9	4.64	.02	.04	2	5
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STD A-1/AU 0.5	2	30	39	188	.3	36	13	1029	2.82	9	2	ND	2	37	2	2	2	57	.63	.10	7	65	.64	258	.10	8	2.07	.02	.20	2	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
MR-18	2	85	16	189	.1	24	61	3750	7.21	38	4	ND	2	38	2	2	2	101	.29	.06	2	22	.93	44	.10	2	3.34	.02	.04	2	5
MR-19	2	77	6	48	.2	7	7	319	8.62	38	2	ND	2	12	1	2	2	75	.10	.10	2	16	.52	32	.03	2	2.83	.01	.04	2	5
MR-20	4	78	33	72	.2	10	9	321	6.84	39	3	ND	2	14	1	2	2	59	.05	.08	3	16	.58	46	.01	3	2.99	.01	.03	2	5
MR-21	2	90	19	63	.7	8	8	312	9.06	38	2	ND	2	14	1	2	2	69	.08	.10	2	17	.60	35	.02	2	3.06	.01	.04	2	5
MR-22	2	60	15	81	.1	13	14	529	5.20	29	2	ND	2	17	1	2	2	73	.22	.05	2	20	.67	61	.04	4	3.21	.01	.06	2	5
MR-23	3	83	33	69	.3	11	9	309	7.70	38	2	ND	2	17	2	2	2	58	.16	.09	2	19	.63	37	.02	2	2.92	.01	.04	2	5
MR-24	3	58	16	59	.3	7	7	314	6.88	34	2	ND	2	11	1	2	2	65	.12	.08	2	15	.54	29	.03	4	2.52	.01	.04	2	5
MR-25	2	56	38	72	.2	10	10	405	4.89	29	2	ND	2	22	2	2	2	63	.20	.04	2	17	.51	34	.08	4	1.97	.02	.04	2	5
MR-26	2	65	22	66	.1	10	8	351	5.19	31	4	ND	2	21	2	2	2	56	.26	.05	2	15	.70	44	.02	2	2.63	.01	.04	2	5
MR-27	5	88	8	172	.2	29	52	1279	4.88	33	2	ND	2	49	3	5	2	79	.52	.05	6	19	.67	253	.11	4	5.00	.01	.08	3	5
MR-28	2	57	8	60	.1	12	12	470	4.90	28	2	ND	2	21	2	2	2	73	.29	.04	3	20	.75	38	.09	4	2.42	.02	.04	2	5
MR-29	3	47	12	181	.3	21	34	2048	4.39	16	5	ND	2	38	2	3	2	50	1.01	.04	3	11	.80	67	.01	4	4.53	.01	.03	2	5
MR-30	2	59	16	67	.2	11	15	628	5.50	23	2	ND	2	23	1	2	2	74	.25	.05	3	20	.66	41	.08	4	2.45	.02	.05	2	5
MR-31	2	42	10	89	.2	11	10	316	5.35	26	3	ND	2	15	2	2	2	77	.17	.14	2	19	.55	51	.05	5	3.07	.02	.08	2	10
MR-32	2	29	10	71	.2	9	9	270	4.08	22	2	ND	2	19	1	2	2	72	.23	.07	4	16	.49	43	.06	6	2.16	.02	.06	2	5
MR-33	1	44	4	52	.1	12	11	347	4.40	27	2	ND	2	21	1	2	2	75	.23	.04	2	21	.70	42	.08	4	2.38	.02	.03	2	5
MR-34	2	101	12	83	.2	7	7	424	6.10	21	2	ND	2	24	2	2	2	86	.29	.06	4	25	.42	29	.20	6	2.62	.01	.05	2	5
MR-35	1	126	2	89	.3	9	20	925	12.23	23	2	ND	2	40	1	2	2	136	.52	.13	2	25	.37	44	.26	2	4.26	.02	.02	2	10
MR-36	2	66	26	237	.3	12	15	666	4.30	38	2	ND	2	16	2	2	2	72	.31	.04	5	18	.70	45	.10	7	2.88	.01	.06	2	10
MR-37	2	66	14	90	.4	10	15	626	3.92	36	2	ND	2	21	2	2	2	71	.42	.03	3	15	.71	42	.14	6	3.06	.01	.04	2	5
MR-38	2	61	14	83	.4	15	23	925	4.29	37	3	ND	2	14	2	2	2	55	.65	.04	11	15	.56	71	.03	6	2.90	.01	.06	2	15
MR-39	2	68	10	71	.1	11	17	879	4.77	76	2	ND	2	21	2	2	2	80	.53	.03	5	15	.79	53	.12	7	3.01	.01	.06	2	10
MR-40	1	64	9	66	.1	10	14	621	4.36	83	2	ND	2	22	1	2	2	79	.48	.03	4	16	.76	48	.12	7	2.87	.01	.04	2	5
MR-41	2	53	7	57	.1	11	13	531	4.37	40	2	ND	2	20	1	2	2	68	.36	.02	4	20	.78	53	.08	5	2.57	.01	.03	2	5
MR-42	2	64	13	74	.1	11	15	695	4.54	50	2	ND	2	24	2	2	2	81	.52	.04	5	15	.71	43	.14	9	2.91	.01	.05	2	5
MR-43	2	60	6	65	.1	11	13	787	4.73	44	2	ND	2	19	2	2	2	78	.54	.04	4	13	.62	49	.11	6	2.55	.02	.06	2	5
MR-44	3	53	6	53	.1	11	13	653	4.27	40	2	ND	2	16	1	2	2	67	.52	.03	5	19	.72	48	.08	6	2.51	.02	.05	2	5
MR-45	2	49	9	51	.1	10	12	578	4.09	40	2	ND	2	17	1	2	2	66	.46	.03	5	15	.67	56	.06	7	2.57	.01	.04	2	5
MR-46	2	59	16	69	.1	10	15	801	4.31	48	2	ND	2	24	2	2	3	77	.66	.04	4	16	.69	48	.15	6	2.71	.02	.06	2	5
MR-47	2	52	8	52	.1	8	15	916	3.84	29	2	ND	2	22	1	2	2	60	.48	.03	4	12	.50	55	.09	5	2.13	.01	.06	2	5
MR-48	2	54	13	69	.2	9	15	677	4.36	39	2	ND	2	18	2	2	2	74	.45	.03	3	14	.58	47	.12	5	2.52	.01	.06	2	5
MR-49	2	59	9	58	.1	9	13	526	4.61	43	2	ND	2	16	2	2	3	71	.38	.03	3	13	.62	40	.10	6	2.55	.01	.05	2	5
MR-50	2	38	7	59	.1	9	12	460	3.92	28	4	ND	2	16	1	2	2	67	.36	.03	3	14	.56	36	.09	8	2.25	.01	.05	2	5
MR-51	1	94	16	50	.1	19	14	465	9.95	67	2	ND	2	14	1	3	3	68	.13	.11	2	17	.60	45	.13	3	3.02	.01	.04	2	5
MR-52	1	58	16	59	.1	9	13	569	4.66	50	2	ND	2	21	1	2	2	72	.36	.04	3	14	.68	46	.14	8	2.86	.01	.05	2	15
MR-53	2	64	15	65	.1	9	13	613	4.80	54	2	ND	2	26	2	2	2	75	.41	.04	4	16	.73	57	.16	10	3.16	.02	.04	2	5
MR-54	3	51	12	74	.1	12	15	479	4.58	50	2	ND	2	20	2	2	2	73	.33	.04	4	16	.65	67	.14	7	3.22	.02	.04	2	5
STD A-1/AU 0.5	2	30	39	184	.3	36	13	1008	2.76	9	2	ND	2	37	2	2	2	55	.61	.10	7	63	.62	252	.10	7	2.03	.02	.18	2	500

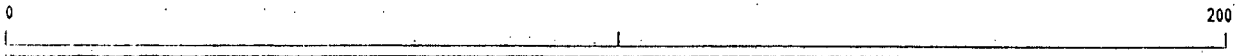
IMPERIAL METALS PROJECT # MAC FILE # 84-1312 PAGE 3

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-55	2	47	9	55	.2	10	12	573	3.81	41	2	ND	2	23	1	2	2	64	.35	.03	2	17	.71	51	.13	8	2.65	.02	.05	2	5
MR-56	2	51	11	54	.2	11	11	494	4.24	39	4	ND	2	21	1	2	2	65	.51	.04	3	19	.65	67	.12	10	2.43	.02	.05	2	5

IMPERIAL METALS PROJECT # MAC FILE # 84-1312

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
TR-1	1	9	4	5	.4	1	1	44	1.51	20	2	ND	2	4	1	2	3	18	.03	.02	2	1	.13	29	.02	10	.56	.02	.17	2	5
TR-2	3	26	6	62	.1	7	6	559	4.35	177	2	ND	2	13	2	3	6	106	.51	.05	2	28	2.35	102	.25	6	2.83	.03	.08	2	5
TR-3	4	86	17	112	.6	10	16	731	5.16	372	4	ND	2	14	2	2	5	122	.90	.07	2	20	1.12	42	.24	11	2.42	.06	.15	2	50
TR-4	4	98	8	60	.3	11	17	460	4.53	91	2	ND	2	14	1	2	5	105	1.83	.06	2	21	1.02	20	.19	10	2.86	.06	.08	2	5
TR-5	4	7	28	88	1.0	6	9	791	1.69	45	4	ND	2	7	2	2	2	6	1.03	.03	2	1	.09	11	.01	5	.43	.01	.12	2	20
TR-6	8	11	31	242	2.2	7	9	1624	2.82	108	2	ND	2	33	2	2	2	9	5.76	.04	2	3	.15	18	.01	9	.64	.01	.15	2	25
TR-7	3	20	24	125	1.2	11	12	985	2.81	82	4	ND	2	8	2	2	2	14	.98	.04	3	3	.27	17	.01	6	.69	.01	.10	2	5
TR-8	3	95	43	996	.3	19	13	1608	3.71	34	2	ND	2	8	9	2	2	55	.79	.06	8	12	1.38	36	.01	8	2.28	.01	.16	3	5
TR-9	3	40	30	580	.8	15	14	1643	4.43	50	2	ND	2	9	5	5	3	63	.97	.06	12	14	1.57	42	.01	11	2.61	.01	.13	2	5
STD A-1/AU 0.5	2	30	39	186	.3	36	13	1019	2.79	9	2	ND	2	37	2	2	2	56	.62	.10	7	64	.63	255	.10	7	2.05	.02	.19	2	520

IMPERIAL METALS PROJEC T # MAC FILE # 84-1281 & 84-1312 PB (PPM)



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SAMPLE SIZE : 250 MAX : 910 MIN : 1 MEDIAN : 9
MEAN : 23.9 S.D. : 76.37

IMPERIAL METALS PROJEC T # MAC FILE # 84-1281 & 84-1312 AG (PPM)

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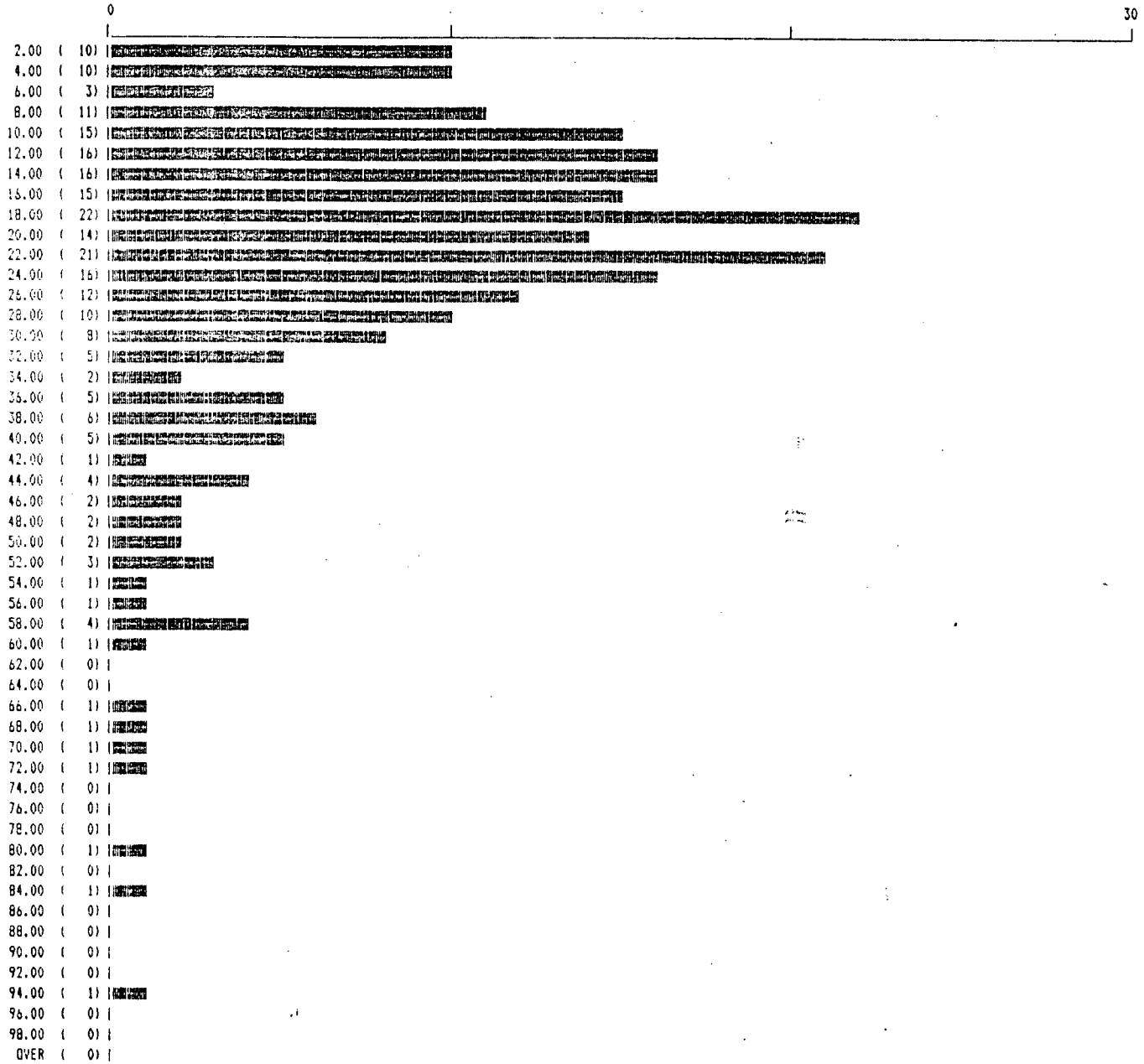
IMPERIAL METALS PROJEC T # MAC FILE # 84-1281 & 84-1312

AS (PPM)



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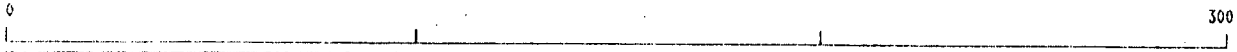
IMPERIAL METALS PROJEC T # MAC FILE # 84-1281 & 84-1312 AU* (PPB)

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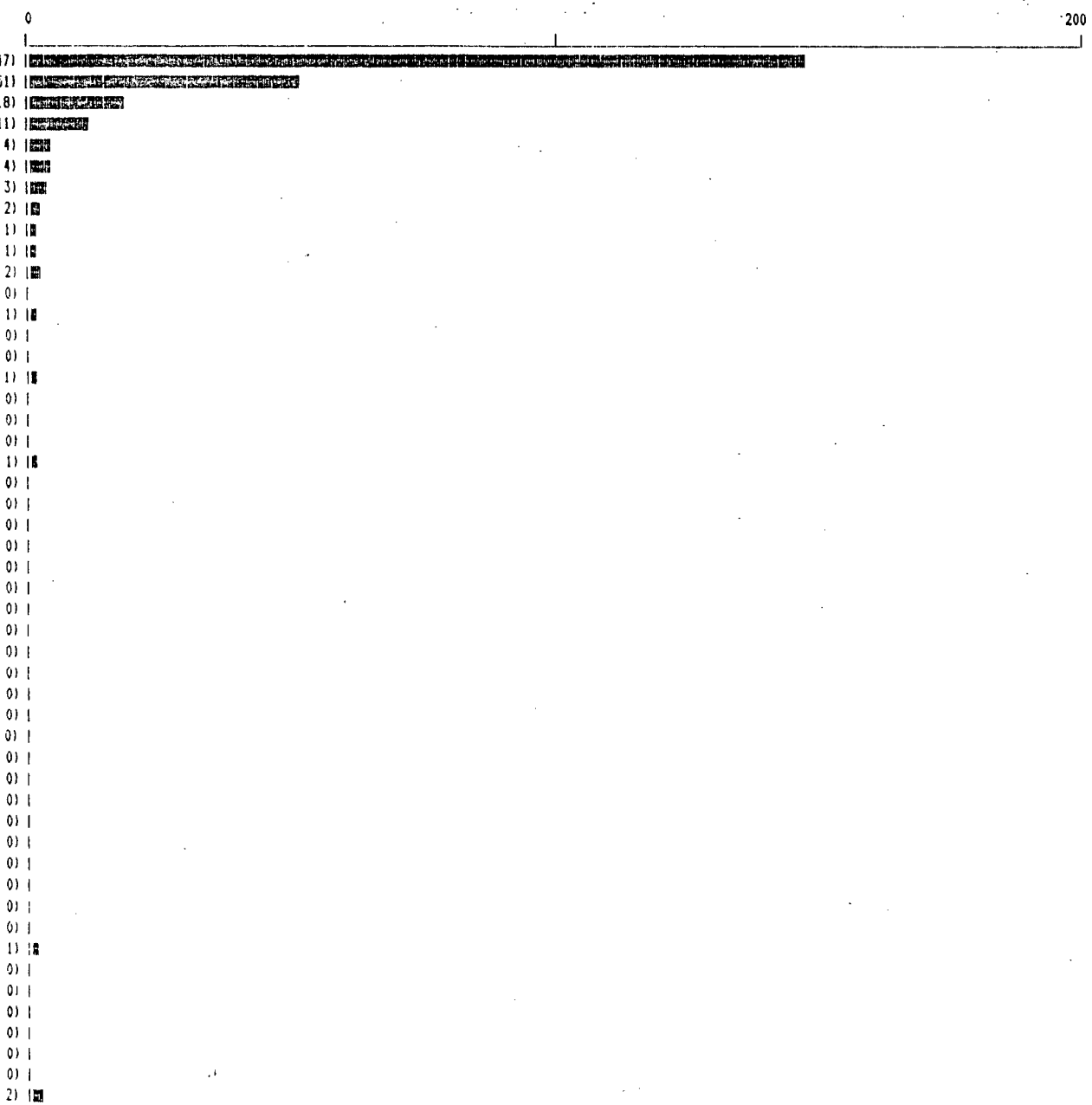
45.00 (   2) |
50.00 (   0) |
55.00 (   2) |
60.00 (   1) |
65.00 (   0) |
70.00 (   0) |
75.00 (   0) |
80.00 (   2) |
85.00 (   1) |
90.00 (   0) |
95.00 (   2) |
100.00 (   0) |
105.00 (   0) |
110.00 (   0) |
115.00 (   0) |
120.00 (   0) |
125.00 (   0) |
130.00 (   0) |
135.00 (   1) |
140.00 (   0) |
145.00 (   0) |
150.00 (   0) |
155.00 (   0) |
160.00 (   0) |
165.00 (   0) |
170.00 (   0) |
175.00 (   0) |
180.00 (   0) |
185.00 (   0) |
190.00 (   0) |
195.00 (   0) |
200.00 (   0) |
205.00 (   1) |
210.00 (   0) |
215.00 (   0) |
220.00 (   0) |
225.00 (   1) |
230.00 (   0) |
235.00 (   0) |
240.00 (   0) |
245.00 (   0) |
  OVER (   1) |
```

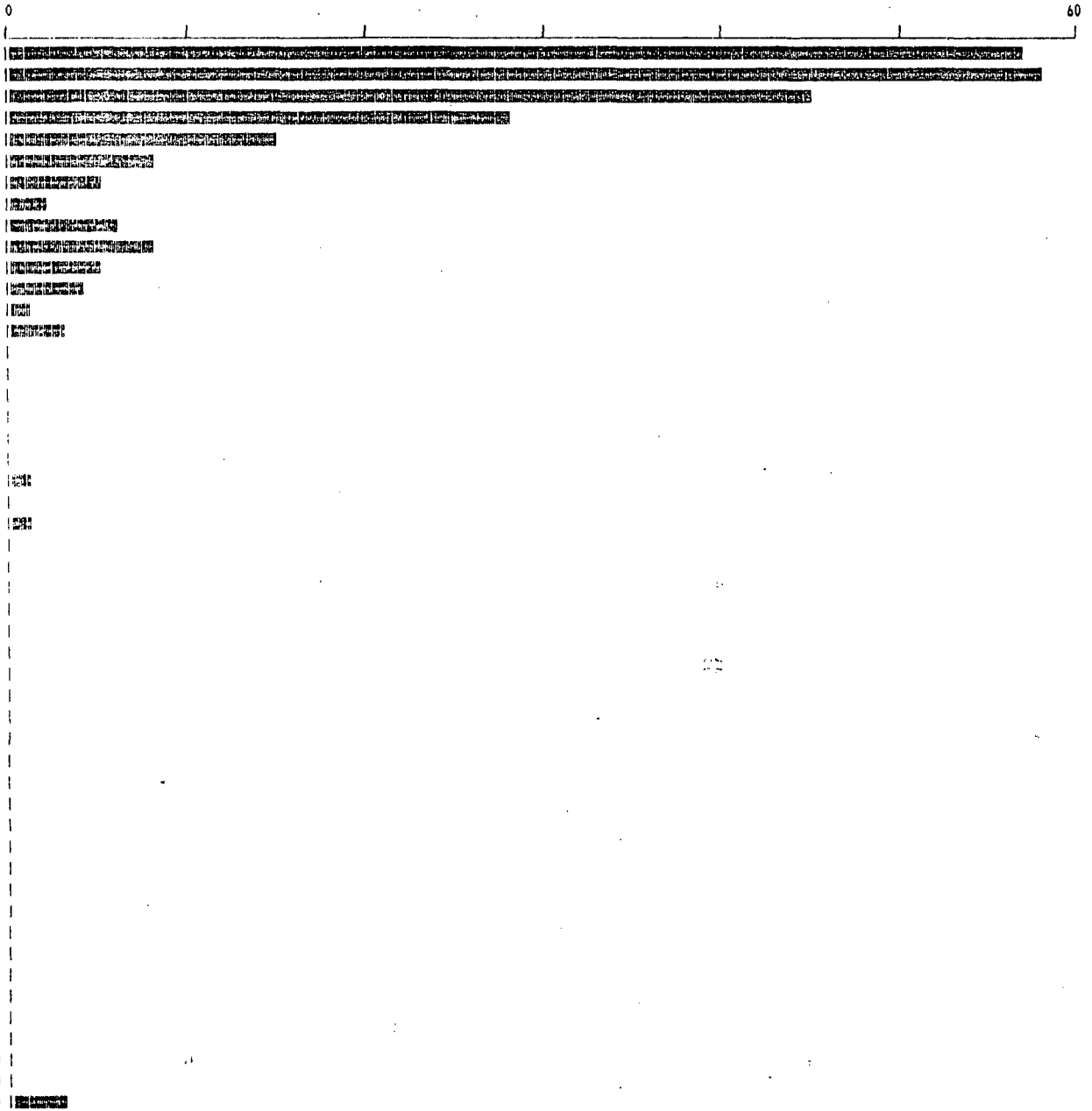
SAMPLE SIZE : 250 MAX : 285 MIN : 5 MEDIAN : 5
MEAN : 12.24 S.D. : 29.8

IMPERIAL METALS PROJECT # MAC FILE # 84 1281 & 84-1312 PB (PPM)



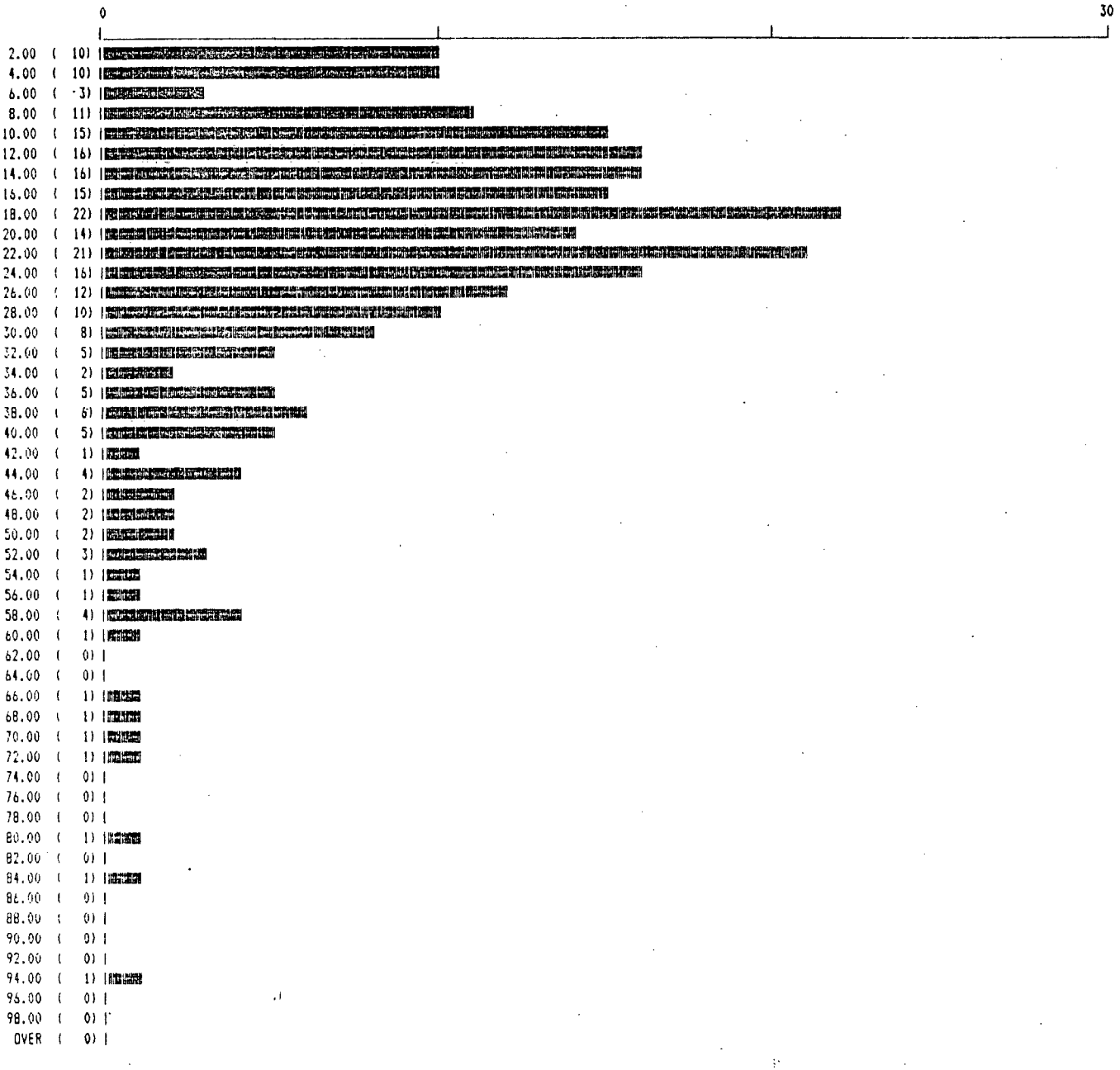
SAMPLE SIZE : 250 MAX : 910 MIN : 1 MEDIAN : 9
MEAN : 23.9 S.D. : 76.37

IMPERIAL METALS PROJEC T # MAC FILE # 84-1281 & 84-1312 AG (PPM)



SAMPLE SIZE : 250 MAX : 32.4 MIN : .1 MEDIAN : .3
MEAN : .57 S.D. : 2.18

IMPERIAL METALS PROJEC T # MAC FILE # 84-1281 & 84-1312 AS (PPM)



SAMPLE SIZE : 250 MAX : 94 MIN : 2 MEDIAN : 19
MEAN : 22.51 S.D. : 15.6

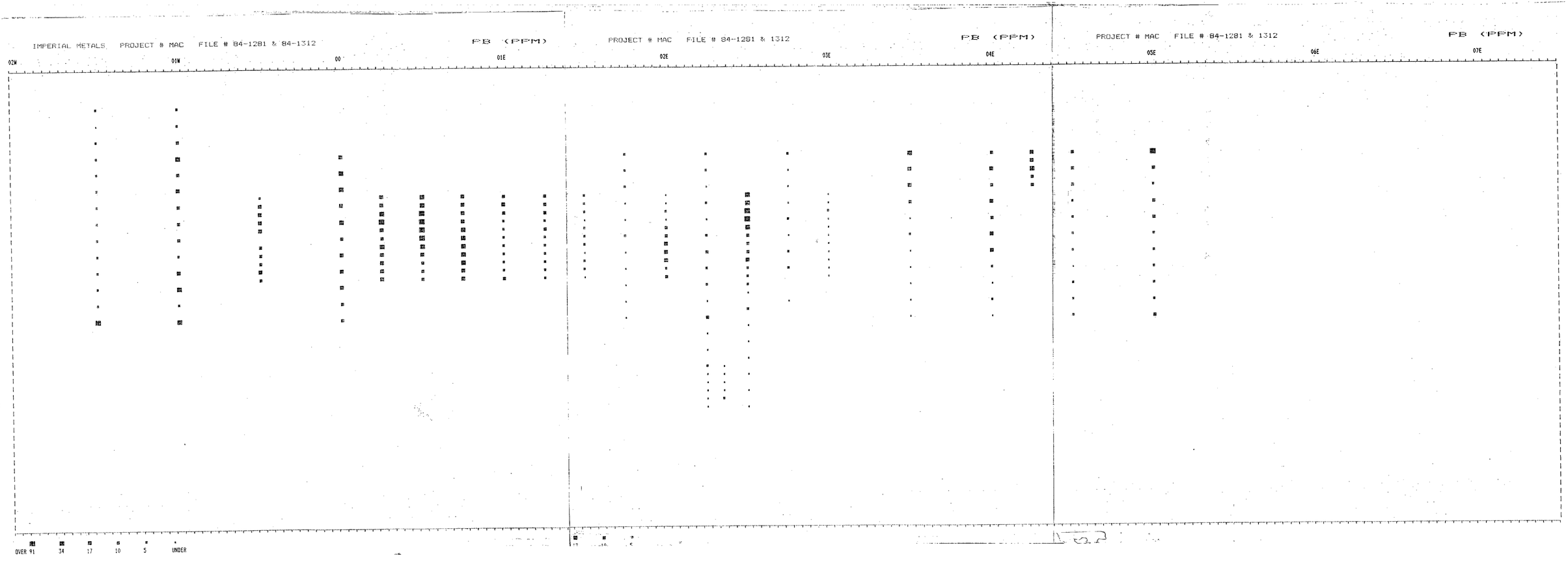
IMPERIAL METALS PROJECT # MAC FILE #.84-1281 & 84-1312

AU* (PPB)


```
 5.00 ( 207) |
10.00 (  16) |
15.00 (   4) |
20.00 (   1) |
25.00 (   5) |
30.00 (   0) |
35.00 (   1) |
40.00 (   2) |
45.00 (   2) |
50.00 (   0) |
55.00 (   2) |
60.00 (   1) |
65.00 (   0) |
70.00 (   0) |
75.00 (   0) |
80.00 (   2) |
85.00 (   1) |
90.00 (   0) |
95.00 (   2) |
100.00 (   0) |
105.00 (   0) |
110.00 (   0) |
115.00 (   0) |
120.00 (   0) |
125.00 (   0) |
130.00 (   0) |
135.00 (   1) |
140.00 (   0) |
145.00 (   0) |
150.00 (   0) |
155.00 (   0) |
160.00 (   0) |
165.00 (   0) |
170.00 (   0) |
175.00 (   0) |
180.00 (   0) |
185.00 (   0) |
190.00 (   0) |
195.00 (   0) |
200.00 (   0) |
205.00 (   1) |
210.00 (   0) |
215.00 (   0) |
220.00 (   0) |
225.00 (   1) |
230.00 (   0) |
235.00 (   0) |
240.00 (   0) |
245.00 (   0) |
  OVER (   1) |
```

SAMPLE SIZE : 250 MAX : 285 MIN : 5 MEDIAN : 5

MEAN : 12.24 S.D. : 29.8


IMPERIAL METALS PROJECT # MAC FILE # 84-1281 & 84-1312
PB (PPM)
PROJECT # MAC FILE # 84-1281 & 1312
PB (PPM)
PROJECT # MAC FILE # 84-1281 & 1312
PB (PPM)
02W
01W
00
01E
02E
03E
04E
05E
06E
07E
01N
00
01S
OVER 91
34
17
10
5
UNDER

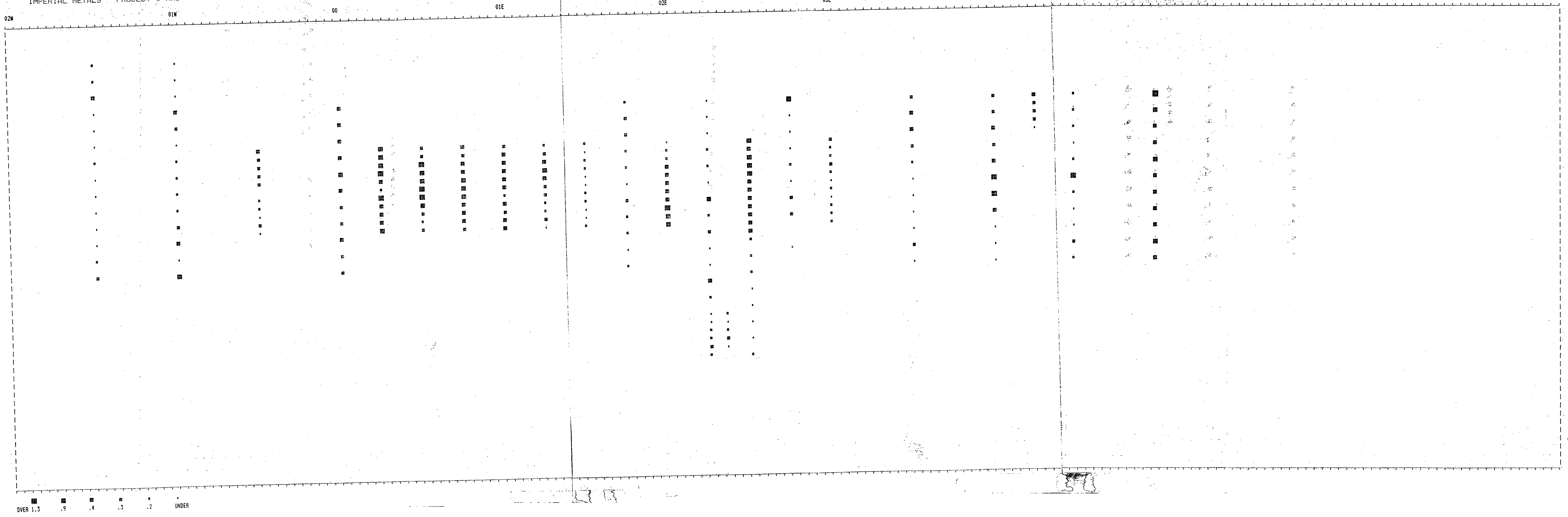
12,422

Pg 6

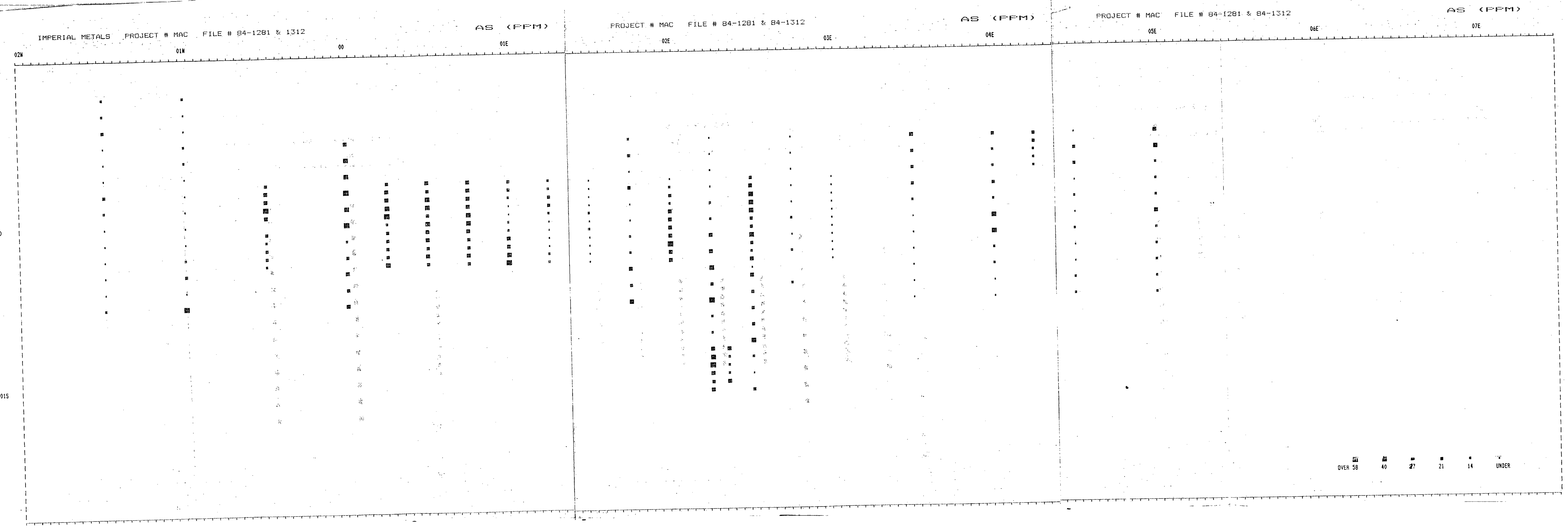
IMPERIAL METALS PROJECT # MAC FILE # 84-1281 & 1312 AG (PPM)

PROJECT # MAC FILE # 84-1281 & 84-1312 AG (PPM)

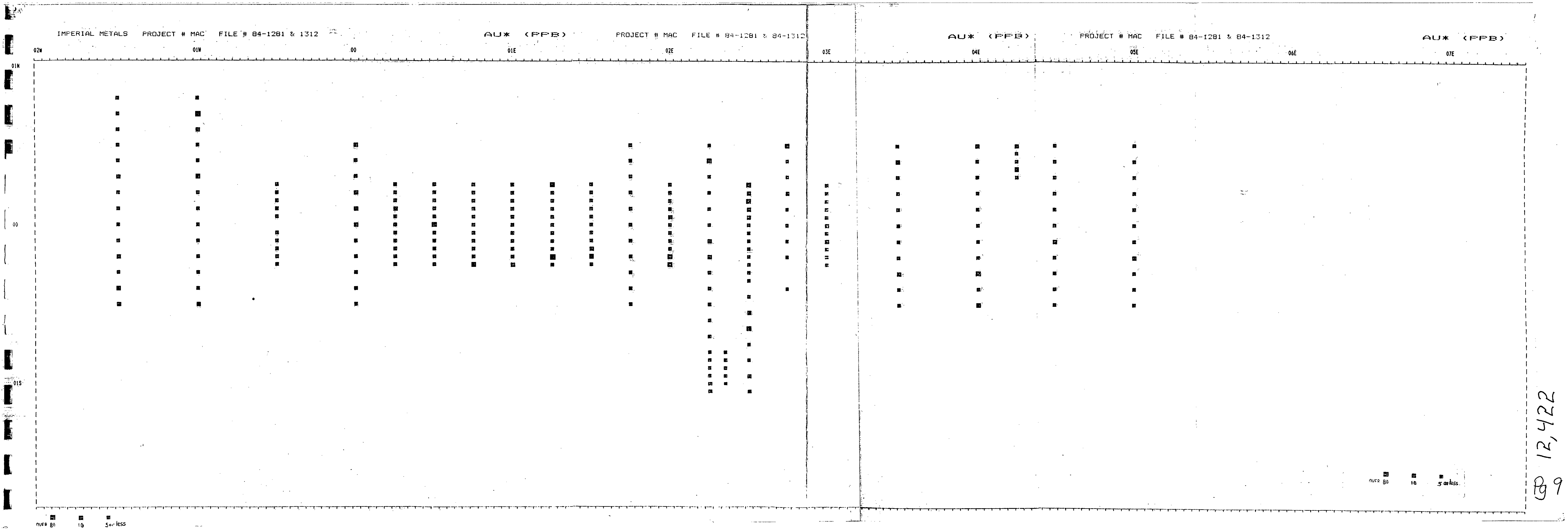
PROJECT # MAC FILE # 84-1281 & 84-1312 AG (PPM)



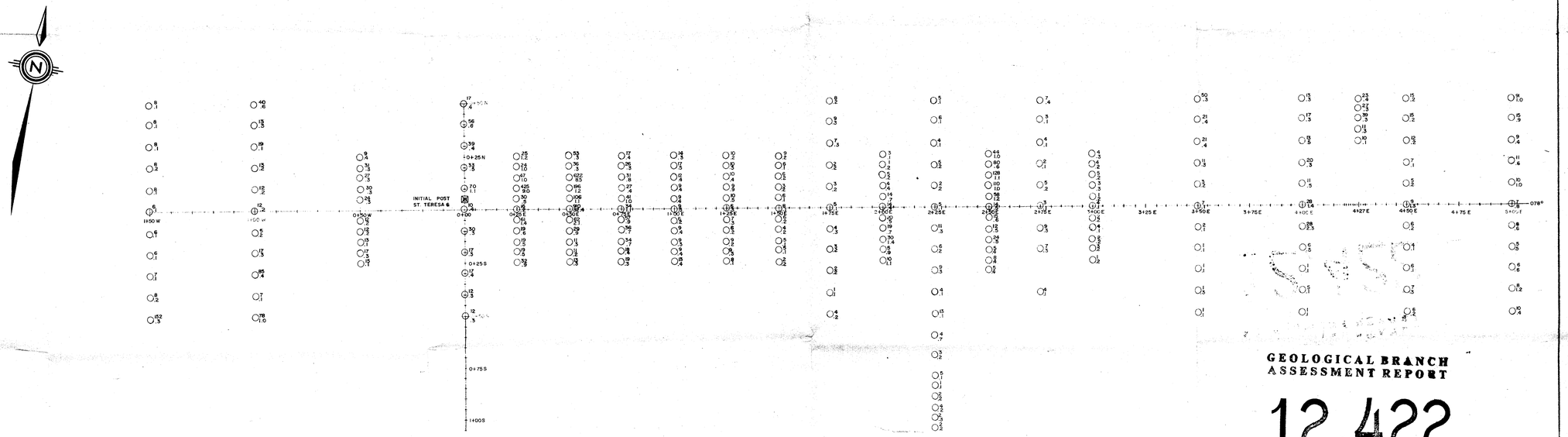
12,422 Pg 7



IMPERIAL METALS PROJECT # MAC FILE # 84-1281 & 1312
AS (PPM)
PROJECT # MAC FILE # 84-1281 & 84-1312
AS (PPM)
PROJECT # MAC FILE # 84-1281 & 84-1312
AS (PPM)
02W
01W
00
01E
02E
03E
04E
05E
06E
07E
01N
00
01S
OVER 58
40
27
21
14
UNDER
12,422
Pg 8



IMPERIAL METALS PROJECT # MAC FILE # 84-1281 & 1312
AU* (PPB)
PROJECT # MAC FILE # 84-1281 & 84-1312
AU* (PPB)
PROJECT # MAC FILE # 84-1281 & 84-1312
AU* (PPB)
02W
01W
00
01E
02E
03E
04E
05E
06E
07E
01N
00
01S
OVER 80
10
5 or less
12,422
Pg 9



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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IMPERIAL METALS CORPORATION

MAC

SOIL GRID "A"

LEAD & SILVER

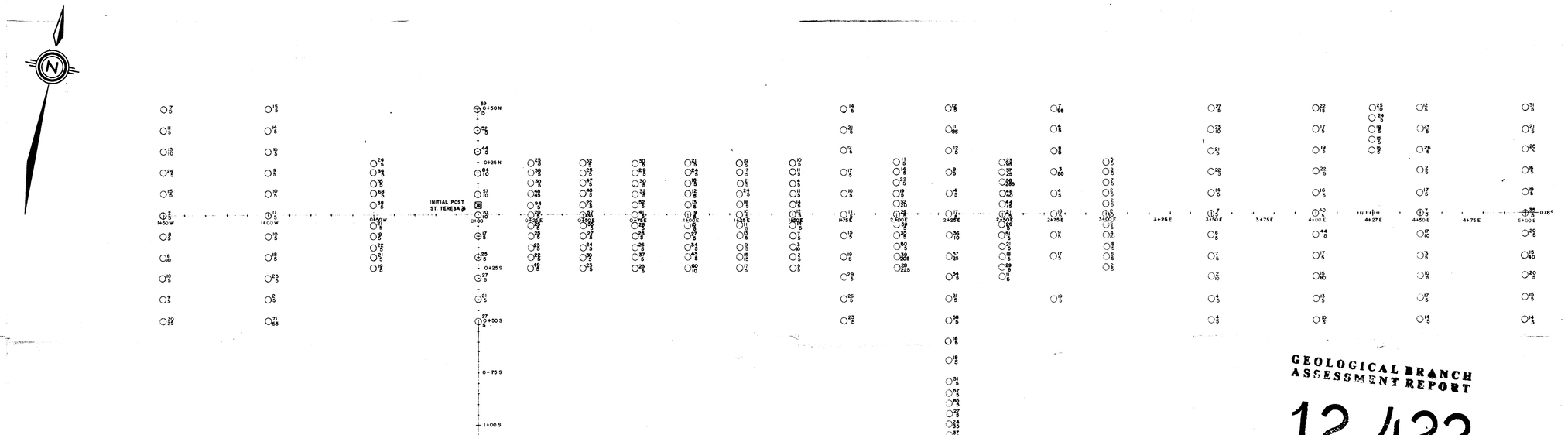
Pb p.p.m.
Ag p.p.m.

m 1000 0 1000 2000 m

Page 10

SCALE 1:1000	GEOLOGIST W MORTON
DATE JULY 1984	DRAWN BY M FERGUSON

From -80 mesh Fraction



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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IMPERIAL METALS CORPORATION

MAC

SOIL GRID "A"

ARSENIC & GOLD

As ppm
Au ppb

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SCALE 1" = 100'	GEOLOGIST W. YURTIN
DATE JULY 1984	DRAWN BY M. FERGUSON

From - 80 Mesh Fraction