

A P P E N D I X I I

FILMED

ANALYTICAL DATA

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759

Part 2 of 2

IMPERIAL METALS. FILE # B7-3359

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CD PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CO 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# PPM
6 4001	1	2926	8	119	15.5	4	10	1257	3.75	9	5	ND	2	38	1	4	2	63	4.51	.127	8	6	.07	428	.04	3	.50	.02	.20	2	1060
6 4002	1	271	11	157	1.1	5	12	1252	4.35	2	5	ND	2	138	1	3	2	70	7.47	.118	7	8	.09	707	.02	7	.56	.02	.20	2	7
6 4003	1	4903	5	102	25.8	3	6	1566	3.43	3	5	ND	1	295	1	2	2	61	10.90	.121	7	8	.10	1671	.02	2	.48	.01	.19	1	57
6 4004	1	72	11	176	.4	5	14	1027	4.78	3	5	ND	2	142	1	2	2	82	6.28	.131	10	12	.85	181	.04	3	1.15	.02	.17	1	1
6 4005	1	1500	11	96	5.3	5	12	766	3.80	4	5	ND	1	135	1	2	2	79	5.20	.175	9	9	.58	848	.03	2	1.00	.02	.20	1	12
6 4006	1	90	10	78	.5	4	11	914	4.26	3	5	ND	2	151	2	2	2	100	5.48	.126	10	10	1.06	293	.05	4	1.18	.04	.15	1	4
6 4007	1	32	12	84	.1	4	11	816	3.97	5	5	ND	1	139	1	2	2	100	4.79	.140	8	11	.95	287	.04	2	1.07	.04	.16	1	2
6 4008	1	17	12	103	.1	5	12	1104	4.31	3	5	ND	1	226	1	2	2	93	6.85	.105	8	14	1.18	832	.05	2	1.02	.03	.13	1	4
6 4009	1	14	13	98	.1	6	12	1028	4.46	3	5	ND	1	156	1	2	2	91	6.29	.094	8	14	.97	260	.05	2	.94	.03	.15	1	4
6 4010	1	10	11	82	.1	5	12	951	4.27	2	5	ND	1	173	1	3	2	90	6.50	.104	9	13	.70	227	.04	2	.85	.02	.13	1	2
6 4011	1	29	7	78	.1	6	13	968	4.14	4	5	ND	2	141	1	2	2	84	5.83	.102	10	12	.81	158	.03	5	.96	.02	.15	1	4
6 4012	1	13	11	56	.1	4	10	933	3.94	3	5	ND	1	108	1	2	2	77	5.20	.107	11	10	.52	227	.03	4	.83	.03	.16	1	1
6 4013	1	8	6	74	.2	6	12	947	4.17	5	5	ND	2	205	1	2	2	91	6.47	.102	9	16	1.20	88	.04	5	1.11	.02	.15	1	1
6 4014	1	7	9	71	.1	5	10	845	4.08	2	5	ND	1	140	1	2	3	75	4.88	.108	9	11	.67	103	.03	2	.91	.03	.18	1	2
6 4015	1	9	9	122	.4	6	14	1143	4.14	2	5	ND	2	122	3	2	2	70	7.03	.100	8	12	1.22	162	.03	4	.57	.03	.16	1	1
6 4016	1	103	10	94	.1	6	12	1028	3.99	2	5	ND	1	165	1	2	2	78	6.20	.107	10	12	.61	139	.03	2	.77	.02	.19	1	4
6 4017	1	61	15	109	.2	6	15	1407	5.06	3	5	ND	1	76	1	2	2	94	2.05	.113	11	8	.21	464	.03	2	.64	.01	.13	1	1
6 4018	1	264	8	54	.8	4	8	628	4.16	3	5	ND	1	112	1	2	2	100	3.58	.106	10	8	.13	161	.05	2	.61	.02	.14	1	11
6 4019	1	39	13	72	.2	5	12	1030	4.37	4	5	ND	1	183	1	2	2	97	7.21	.097	9	12	.54	173	.04	2	.92	.02	.16	1	1
6 4020	1	19	6	83	.1	6	12	935	4.07	4	5	ND	1	148	1	2	2	81	6.02	.099	10	13	.95	106	.04	2	.90	.03	.13	1	1
6 4021	1	12	10	73	.2	5	13	854	4.18	3	5	ND	1	145	1	2	2	76	5.44	.102	11	10	.62	149	.03	2	.85	.03	.14	1	51
6 4022	1	8	15	68	.3	5	12	863	4.17	5	5	ND	2	169	1	3	2	72	5.62	.111	9	12	.94	121	.03	4	1.01	.02	.15	1	19
6 4023	1	9	7	67	.1	6	12	846	4.17	3	5	ND	1	140	1	2	2	79	4.60	.103	10	14	1.13	122	.03	2	1.27	.03	.15	1	1
6 4024	1	8	14	71	.3	6	13	1029	4.40	5	5	ND	3	150	3	2	2	81	5.75	.107	10	14	1.24	118	.03	4	1.27	.03	.14	1	1
6 4025	1	10	9	42	.1	5	9	831	3.90	4	5	ND	1	136	1	2	2	101	5.78	.089	9	12	.82	724	.04	2	.79	.05	.10	1	22
6 4026	1	7	7	89	.2	8	16	1001	4.79	4	5	ND	1	115	1	2	2	95	4.81	.151	8	15	1.48	126	.03	5	1.59	.03	.13	1	2
6 4027	1	13	16	107	.6	8	17	1779	4.35	4	5	ND	1	277	1	2	2	80	9.58	.147	10	17	1.72	1245	.01	7	1.33	.03	.09	2	3
6 4028	1	184	5	105	.4	9	19	1088	5.71	2	5	ND	1	127	1	2	2	107	4.91	.194	9	13	1.62	79	.03	2	1.82	.02	.11	1	4
6 4029	1	206	10	81	.7	8	16	1123	5.08	3	5	ND	1	164	1	2	2	91	6.77	.173	7	15	1.14	160	.03	2	1.29	.02	.12	1	2
6 4030	2	165	7	73	.4	7	15	1414	4.60	3	5	ND	1	268	1	2	2	91	9.59	.157	8	16	1.04	2048	.03	2	1.17	.03	.12	1	1
6 4031	3	201	9	85	.6	8	18	1135	5.76	3	5	ND	1	162	1	2	2	112	5.92	.187	8	15	1.50	236	.04	4	1.51	.03	.11	1	1
6 4032	2	15	2	94	.2	10	20	1221	5.87	2	5	ND	1	160	1	2	2	109	5.45	.190	7	17	2.04	132	.03	2	2.28	.03	.15	1	1
6 4033	2	17	11	110	.1	7	18	1159	5.41	2	5	ND	1	209	1	2	2	87	5.12	.199	8	14	1.56	217	.02	5	.99	.02	.12	1	5
6 4034	1	218	8	130	.2	8	17	904	6.15	2	5	ND	1	191	1	2	2	100	2.55	.215	8	12	1.11	70	.02	2	1.18	.02	.12	1	6
6 4035	1	167	12	123	.7	7	18	1381	4.80	2	5	ND	1	247	1	2	3	69	6.99	.152	9	14	1.53	381	.01	6	.70	.03	.14	1	9
6 4036	1	499	5	96	1.4	8	17	1240	5.59	3	5	ND	1	199	1	2	2	77	4.39	.197	7	13	1.13	510	.02	2	.62	.02	.17	1	77
STD C/AU-R	18	61	41	132	7.1	69	28	1042	3.99	41	22	8	40	49	19	17	20	58	.45	.090	38	59	.83	177	.09	37	1.70	.06	.13	11	490

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: JULY 27 1987 DATE REPORT MAILED: *July 30/87* ASSAYER: *D. Toyer*...DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METAL PROJECT - 5601 File # 87-2736

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
287-1	5	38	22	418	.3	30	37	1081	3.44	254	13	ND	1	49	1	3	2	45	11.76	.058	4	5	3.38	42	.01	2	.65	.05	.08	2	12
287-2	4	17	15	171	.1	14	20	1559	3.51	68	8	ND	2	380	1	2	2	18	22.80	.016	5	2	6.42	49	.01	2	.25	.05	.03	1	23
287-3	2	82	14	111	.2	16	20	1168	3.29	51	5	ND	1	485	1	2	2	61	10.07	.067	6	4	2.95	260	.02	30	.66	.04	.12	2	8
287-4	3	8	12	136	.1	18	25	1559	3.60	98	15	ND	1	277	1	2	2	44	17.61	.031	4	3	4.98	39	.01	2	.43	.03	.09	1	6
287-5	4	6	19	433	.2	16	23	1733	3.97	41	10	ND	1	295	1	2	2	45	19.63	.021	4	2	5.23	33	.01	2	.33	.03	.01	1	4
287-6	4	7	13	141	.1	17	21	1499	3.49	11	9	ND	1	273	1	2	2	24	19.23	.024	3	2	5.68	48	.01	2	.33	.05	.06	1	12
287-7	2	11	8	114	.1	15	21	1093	2.55	26	5	ND	1	402	1	2	2	36	11.39	.054	5	4	3.53	183	.01	2	.56	.04	.12	1	11
STD C	20	61	40	131	6.8	68	26	881	3.78	37	19	7	36	48	16	17	19	56	.49	.080	36	58	.85	181	.08	36	1.83	.06	.13	13	-

IMPERIAL METALS FILE # 87-3359

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
6 4037	1	1069	7	46	3.3	4	9	835	3.11	2	5	ND	4	165	1	2	2	50	3.54	.103	8	11	1.16	547	.03	3	.49	.03	.17	2	19
6 4038	1	874	8	65	3.9	4	11	1282	3.81	2	5	ND	3	251	1	2	2	64	5.96	.144	7	12	1.51	443	.03	11	.57	.02	.18	2	410
6 4039	1	34	10	44	.3	3	9	1938	2.88	2	5	ND	1	407	1	2	2	52	13.13	.080	9	14	1.34	2051	.03	2	.41	.01	.09	2	19
6 4040	1	32	17	50	.4	4	11	1414	3.72	2	5	ND	2	266	1	2	2	69	8.95	.113	8	15	1.54	599	.04	8	1.08	.04	.19	5	2
6 4041	1	9	10	63	.4	4	13	1375	3.37	2	5	ND	3	272	1	6	2	65	9.76	.067	6	13	2.96	657	.04	17	.46	.06	.11	2	4
6 4042	1	290	10	59	.9	5	12	1692	3.46	2	5	ND	2	867	1	2	2	56	9.80	.116	7	15	1.09	2099	.02	2	1.06	.01	.15	2	2
6 4043	1	19	9	79	.4	7	12	1296	3.62	2	5	ND	5	277	1	2	2	62	3.62	.113	8	13	1.26	473	.02	9	.59	.03	.15	2	1
6 4044	1	22	11	85	.3	5	11	1888	4.50	2	5	ND	3	174	2	2	2	81	.99	.116	10	14	.75	169	.03	11	.78	.03	.16	1	5
6 4045	1	29	14	70	.2	9	14	1106	3.23	55	5	ND	2	462	1	2	2	64	6.77	.084	7	13	2.21	451	.02	3	.52	.04	.08	2	2
6 4053	2	181	19	186	3.7	12	13	1966	4.78	10	5	2	4	160	2	3	2	75	6.41	.039	6	36	2.17	172	.06	13	.35	.01	.23	2	730
6 4054	1	175	16	168	1.0	13	16	1263	3.50	18	5	ND	1	253	1	3	2	55	6.80	.072	7	23	2.17	1978	.03	3	.45	.02	.21	2	220
6 4055	12	169	12	155	.7	12	16	1817	3.25	9	5	ND	2	280	1	5	2	27	10.22	.033	5	16	3.31	1932	.01	5	.27	.01	.14	4	153
6 4056	1	105	32	221	.5	16	16	1284	4.42	14	5	ND	4	358	1	2	2	142	5.02	.107	9	65	2.02	1007	.04	2	1.81	.03	.04	2	1
6 4057	1	36	26	189	.2	13	12	1139	3.92	8	5	ND	2	253	1	2	2	139	4.30	.100	8	33	1.43	206	.04	2	1.26	.03	.05	1	1
6 4058	1	46	23	251	.3	17	19	1586	5.87	16	5	ND	3	313	1	2	2	145	3.27	.208	10	24	.81	246	.04	2	.92	.02	.12	2	1
6 4059	1	234	26	53	.6	7	5	483	3.35	26	5	ND	3	463	1	10	4	135	2.31	.139	7	19	.28	150	.01	5	1.01	.01	.09	1	1
6 4060	2	9	34	121	.3	28	20	1821	3.73	2	5	ND	2	206	1	5	2	45	14.49	.039	6	10	4.35	414	.02	4	.36	.02	.15	5	1
6 4061	1	8	15	40	.1	5	6	588	1.38	4	5	ND	8	108	2	2	4	9	1.55	.047	16	6	.58	278	.01	11	.45	.03	.25	1	1
6 4062	1	5	11	66	.1	7	7	1093	2.16	3	5	ND	8	148	1	2	3	10	2.12	.044	15	9	.75	734	.01	2	.47	.03	.24	1	1
6 4063	1	13	12	84	.1	10	10	1423	2.68	3	5	ND	6	232	1	2	2	15	3.90	.043	13	11	1.17	836	.01	2	.49	.02	.20	1	5
6 4064	1	90	14	52	.3	4	8	645	2.33	11	5	ND	2	330	1	2	2	43	2.01	.113	10	5	.26	181	.01	2	.61	.02	.11	1	10
6 4065	1	58	18	102	.2	7	13	1272	3.83	3	5	ND	4	323	1	2	2	49	2.88	.109	15	10	.93	565	.01	2	.57	.02	.17	1	50
6 4066	1	41	24	92	.6	9	12	1337	3.18	8	5	ND	2	256	1	3	2	35	5.52	.085	8	12	1.81	1202	.01	2	.57	.03	.27	1	270
6 4067	2	3	10	170	.3	25	19	2146	3.78	2	5	ND	1	231	1	11	2	21	18.07	.024	7	2	6.46	247	.01	3	.24	.03	.08	4	1
6 4068	1	239	14	54	.5	6	15	915	3.38	29	5	ND	1	133	1	14	4	78	.56	.120	11	12	.42	396	.04	5	.73	.04	.16	1	12
6 4069	1	8	12	21	.1	7	10	580	2.40	51	5	ND	2	190	1	2	3	57	.91	.137	8	7	.25	208	.02	7	.56	.02	.19	1	3
6 4070	2	23	4	90	.2	9	14	1362	2.95	15	5	ND	2	210	1	10	2	27	11.89	.063	4	9	4.20	1138	.01	5	.32	.05	.11	4	1
6 4071	6	18	35	55	.1	28	26	843	1.81	21	5	ND	8	126	1	2	3	18	2.14	.087	14	11	.63	352	.01	2	.50	.02	.25	1	15
6 4072	39	13	63	60	.1	25	18	1097	2.33	78	6	ND	10	134	1	5	2	21	2.87	.081	15	14	.88	82	.01	2	.59	.02	.29	1	1
6 4073	18	22	103	52	1.1	23	17	900	2.16	117	5	ND	10	190	1	5	2	17	2.41	.077	13	13	.76	326	.01	4	.53	.02	.25	1	205
6 4074	8	14	35	64	.1	15	13	981	2.70	272	5	ND	9	109	1	4	2	14	2.82	.076	12	12	.91	66	.01	3	.48	.02	.28	1	15
6 4075	12	19	18	47	.1	13	13	1002	1.91	17	5	ND	10	125	1	2	2	15	2.32	.082	12	11	.68	114	.01	4	.40	.02	.23	1	196
6 4076	1	13	14	46	.1	9	8	909	1.89	8	5	ND	9	135	1	2	2	15	2.03	.081	15	12	.59	212	.01	2	.49	.02	.26	1	2
6 4077	1	11	15	51	.1	9	8	949	1.96	4	5	ND	11	126	1	2	2	14	2.19	.081	18	12	.65	201	.01	3	.41	.02	.24	1	12
6 4078	19	11	41	51	1.1	12	11	906	2.24	55	5	ND	12	115	1	2	2	16	1.95	.077	21	12	.60	298	.01	3	.38	.02	.23	1	750
STD C/AU-R	18	61	42	132	7.2	69	28	1060	4.01	38	16	8	40	50	18	16	22	60	.47	.089	37	60	.84	179	.09	33	1.71	.07	.13	13	490

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: AUG 6 1987

DATE REPORT MAILED:

Aug 10/87

ASSAYER: *D. Jeyaraj* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-3056

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
6 4079	1	12	8	52	.2	7	6	745	1.96	2	5	ND	11	108	1	2	2	15	1.42	.084	25	9	.49	339	.01	2	.38	.01	.21	2	23
6 4080	3	16	20	58	.3	17	16	948	2.32	214	5	ND	9	97	1	2	2	10	2.43	.075	20	3	.83	260	.01	2	.35	.01	.22	1	72
6 4081	67	13	82	106	2.1	20	16	903	2.63	445	5	ND	7	125	1	11	3	11	4.97	.067	12	1	1.58	126	.01	2	.38	.03	.22	1	1090
6 4082	28	11	26	72	.1	13	11	765	2.05	95	5	ND	8	105	1	2	2	9	2.61	.080	19	8	.91	272	.01	2	.37	.01	.22	1	63
6 4083	4	10	15	45	1.1	7	6	753	1.76	5	5	ND	7	87	1	2	2	7	2.49	.076	11	6	.79	172	.01	2	.35	.01	.23	1	360
6 4084	2	112	10	73	.7	7	10	886	2.56	17	5	ND	4	180	1	4	2	23	4.10	.086	10	5	1.51	248	.01	2	.43	.01	.19	1	280
6 4085	1	140	11	95	.4	7	12	1083	3.37	14	5	ND	1	204	1	2	2	33	5.12	.096	7	4	1.79	512	.01	2	.44	.02	.13	1	9
6 4086	2	281	11	107	.6	8	12	876	3.76	15	5	ND	1	251	1	2	2	38	4.38	.109	8	6	.85	310	.01	2	.48	.01	.13	1	14
6 4087	1	169	8	95	.2	8	11	969	3.67	8	5	ND	2	227	1	2	2	41	5.63	.102	8	7	1.07	222	.01	2	.59	.05	.12	1	11
6 4088	1	260	14	100	.4	7	12	1012	4.12	4	5	ND	2	155	1	2	2	38	2.34	.108	9	7	1.17	189	.01	2	.93	.01	.11	1	9
6 4089	2	331	13	100	.2	8	14	1207	4.01	8	5	ND	1	131	1	2	2	43	1.00	.124	9	6	.85	143	.01	12	.98	.01	.11	1	15
6 4090	2	219	18	98	.3	7	15	906	4.66	5	5	ND	1	125	1	2	2	52	.72	.119	9	9	1.15	114	.01	2	1.41	.02	.09	1	12
STD C/AU-R	20	58	41	128	7.5	71	28	987	3.91	44	17	7	38	50	19	15	22	58	.46	.093	38	58	.87	170	.08	30	1.79	.06	.12	16	520
6 4091	1	167	13	96	.3	7	14	799	4.78	10	5	ND	2	115	1	2	2	62	.84	.119	8	7	1.32	162	.01	2	1.57	.02	.11	1	7
6 4092	2	92	8	82	.5	9	14	864	3.82	15	5	ND	1	161	1	2	2	37	3.76	.103	5	4	1.63	107	.01	2	.49	.01	.10	1	11
6 4093	3	330	9	80	.6	7	14	927	3.76	15	5	ND	1	209	1	2	2	36	4.38	.111	7	3	.64	159	.01	2	.51	.01	.12	1	7
6 4094	1	18	4	61	.1	5	10	1016	2.76	5	5	ND	1	197	1	2	2	47	7.42	.081	6	6	1.16	62	.02	2	1.04	.12	.10	2	4
6 4095	1	9	5	55	.1	5	9	929	2.64	7	5	ND	1	215	1	2	2	49	6.21	.089	7	4	.94	59	.02	2	.96	.07	.12	2	23
6 4096	1	251	31	101	2.3	8	11	1479	3.21	41	5	ND	1	259	1	26	2	41	5.53	.092	8	4	1.14	439	.01	2	.52	.04	.10	1	75
6 4104	2	49	70	322	3.8	29	20	4747	4.33	20	5	ND	1	125	3	4	2	30	5.60	.140	7	9	1.65	53	.01	2	.47	.04	.22	1	6
6 4105	2	62	44	183	7.4	24	24	2440	4.14	27	5	ND	2	90	1	4	2	47	1.26	.162	8	33	.45	52	.01	2	.56	.01	.15	1	5
6 4106	2	91	55	275	5.0	25	20	3902	5.12	18	5	ND	2	95	2	5	2	55	1.77	.174	11	23	.63	76	.01	2	.63	.01	.18	1	3
6 4107	3	51	442	1085	4.1	25	22	4241	4.46	47	5	ND	1	94	10	2	2	31	3.23	.140	7	10	.90	25	.01	2	.45	.01	.23	1	7
6 4108	1	85	144	770	1.9	23	17	4916	4.17	18	5	ND	1	103	7	4	2	32	4.65	.159	8	12	1.35	90	.01	2	.58	.01	.25	1	3
6 4109	2	75	595	796	6.4	35	24	3535	5.24	38	5	ND	2	66	10	2	2	48	1.41	.170	8	23	.59	31	.01	2	.59	.01	.19	1	10

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: AUG 25 1987

DATE REPORT MAILED: *Aug 30/87*

ASSAYER: *D. J. ...* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # B7-3612

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6-4097	3	86	328	1839	36.4	173	25	4946	5.10	40	5	ND	3	180	14	2	2	59	8.46	.106	5	206	3.44	64	.01	5	2.79	.01	.11	1	12
6-4098	38	154	2261	6741	314.9	152	25	4806	7.08	122	5	ND	3	158	61	5	2	42	4.59	.087	4	134	2.84	12	.01	2	2.31	.01	.13	1	20
6-4099	4	134	960	2431	70.0	219	33	5366	6.53	104	5	ND	2	170	25	2	2	57	4.09	.112	4	211	4.23	16	.01	2	3.34	.01	.12	1	14
6-4100	14	123	504	510	18.2	157	30	3035	5.66	78	5	ND	3	105	5	2	2	34	2.66	.133	5	113	2.30	13	.01	3	2.01	.01	.21	1	32
6-4101	5	109	142	287	7.2	82	23	3039	5.99	82	5	ND	2	115	1	2	2	51	2.86	.130	6	168	2.95	15	.01	4	2.42	.01	.18	1	52
6-4102	3	99	74	208	4.4	96	25	3752	5.11	75	5	ND	1	183	1	2	2	36	5.48	.132	8	89	2.24	20	.01	2	2.01	.01	.19	1	31
6-4103	3	77	80	201	3.1	69	21	3944	5.10	74	5	ND	2	124	1	2	2	34	5.74	.127	8	95	1.75	44	.01	2	1.86	.01	.21	1	20
6-4110	1	168	41	286	2.8	27	20	3985	5.29	14	5	ND	2	74	1	2	2	68	1.41	.181	11	21	.97	104	.01	2	.99	.01	.17	1	3
6-4111	2	75	45	243	2.3	41	24	4182	5.49	46	5	ND	2	90	1	2	2	56	2.99	.169	9	26	1.00	53	.01	2	.82	.01	.24	1	4
6-4112	1	125	20	138	1.7	31	23	3164	4.72	13	5	ND	1	86	1	2	2	32	1.79	.166	8	30	1.94	59	.01	5	1.80	.01	.24	1	2
6-4113	2	136	24	152	3.4	34	23	2208	4.98	26	5	ND	1	71	1	2	2	35	.98	.173	7	38	2.03	37	.01	8	1.93	.01	.22	1	1
6-4114	1	112	26	111	2.8	29	25	3219	5.19	22	5	ND	2	94	1	2	2	32	2.48	.157	7	20	1.06	31	.01	2	.93	.01	.24	1	1
6-4115	3	217	341	1082	3.0	26	21	3983	5.34	23	5	ND	1	98	8	2	2	53	4.78	.129	4	16	1.85	41	.01	2	.57	.02	.18	1	26
6-4116	18	127	247	1044	4.0	41	22	4879	4.74	31	5	ND	1	120	10	2	2	18	6.32	.137	3	11	2.00	24	.01	2	.43	.01	.25	1	250
6-4117	8	96	143	332	11.7	69	29	4441	5.18	30	5	ND	2	106	1	2	2	16	5.47	.125	3	25	1.79	37	.01	3	.46	.01	.27	1	15
6-4118	23	272	9938	24306	128.6	111	37	3175	8.73	89	5	ND	2	67	193	3	2	19	3.36	.092	2	19	1.23	21	.01	3	.49	.01	.31	1	240
6-4119	3	84	73	372	12.3	88	32	4783	5.98	23	5	ND	2	98	1	2	2	32	5.73	.112	3	48	2.05	45	.01	4	.50	.01	.23	1	33
6-4120	28	290	16217	29910	254.3	61	17	5817	4.85	62	5	ND	1	89	242	9	2	15	6.64	.088	3	17	2.45	26	.01	2	.37	.01	.21	2	5
6-4121	13	136	2577	7038	52.1	68	22	4510	5.74	54	5	ND	1	97	62	2	2	20	5.13	.115	4	32	1.71	26	.01	15	.48	.02	.25	1	4
6-4122	4	92	199	407	14.2	88	30	3387	5.83	33	5	ND	2	101	2	2	3	27	3.96	.141	4	39	1.38	31	.01	9	.66	.02	.31	1	1
6-4123	2	128	211	452	5.0	75	22	4759	5.06	14	5	ND	2	157	2	2	2	47	5.27	.131	7	86	1.93	79	.01	2	1.40	.01	.19	1	1
6-4124	2	147	94	410	4.2	64	22	4725	5.43	12	5	ND	2	131	2	2	3	64	5.24	.140	8	91	2.16	115	.01	2	.99	.01	.18	1	1
6-4125	9	115	226	468	6.6	70	28	6250	7.12	16	5	ND	3	110	3	2	2	63	2.87	.137	8	92	1.46	64	.01	2	1.05	.01	.19	1	1
6-4126	2	16	395	938	4.9	19	17	4312	3.74	17	5	ND	2	76	8	2	2	25	2.78	.120	7	10	.74	34	.01	2	.62	.01	.28	1	3
STD C/AU-R	19	58	42	134	7.0	65	27	1044	3.82	39	19	7	37	48	17	16	19	58	.50	.082	36	57	.91	165	.07	38	1.88	.06	.12	14	480
6-4127	1	23	423	372	8.1	15	16	3575	3.87	13	5	ND	3	69	3	2	2	21	1.33	.124	7	3	.59	40	.01	6	.82	.01	.33	1	22
6-4128	4	158	216	1050	4.1	45	33	4652	5.89	65	5	ND	2	130	8	2	3	50	4.34	.169	4	56	1.26	29	.01	2	.75	.01	.24	1	36
6-4129	5	90	160	582	2.7	33	24	4190	5.19	55	5	ND	1	77	3	2	3	31	1.32	.180	6	18	.64	33	.01	4	.85	.01	.31	1	85
6-4130	7	117	689	1644	5.2	33	25	4150	5.77	45	5	ND	1	133	12	2	2	28	4.07	.157	4	25	1.33	29	.01	2	1.48	.01	.31	1	90
6-4131	5	127	222	1234	3.0	37	20	3377	4.33	39	5	ND	2	177	8	2	2	32	6.49	.135	5	48	2.10	88	.01	20	1.81	.01	.29	1	47
6-4132	2	91	198	613	2.0	40	21	3440	4.60	18	5	ND	1	197	3	2	2	38	6.07	.125	5	66	2.59	61	.01	2	2.07	.01	.25	1	18
6-4133	3	111	121	466	2.8	33	24	3445	5.00	36	5	ND	2	122	4	2	2	28	5.40	.114	4	40	2.22	23	.01	2	.89	.01	.24	1	25
6-4134	4	152	403	955	5.4	39	30	1754	5.54	43	5	ND	2	95	8	2	2	23	1.54	.156	6	23	1.14	16	.01	8	1.08	.01	.29	1	38

ASSAY REQUIRED FOR *Ag > 35 ppm*

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 MM FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Core AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 2 1987

DATE REPORT MAILED: *Sept 8/87*

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-3840 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB	
6-4135	3	209	20	128	1.0	17	28	3586	5.61	54	5	ND	1	102	1	2	2	64	6.72	.107	3	16	2.15	66	.05	6	1.05	.02	.72	1	47
STD C/AU-R	19	58	38	134	7.4	69	28	1080	4.02	41	18	8	40	51	18	18	22	59	.48	.089	39	62	.89	178	.08	36	1.87	.08	.13	14	505
6-4136	1	720	12	99	.5	13	12	3288	4.67	67	5	ND	1	122	1	2	2	27	5.77	.087	5	5	1.97	872	.01	4	.49	.02	.40	1	29
6-4137	1	171	22	185	.4	38	22	3947	6.30	19	5	ND	1	134	1	2	2	94	4.27	.093	5	70	3.30	242	.07	2	2.80	.02	.99	1	8
6-4138	1	165	11	124	.4	24	13	4947	4.83	17	5	ND	1	177	1	2	3	49	8.49	.079	5	34	2.91	787	.01	2	1.13	.01	.39	16	17
6-4139	2	148	11	129	.3	22	25	4756	5.68	28	5	ND	1	163	1	2	2	60	7.87	.103	3	40	2.61	80	.01	5	.53	.02	.28	1	12
6-4140	4	165	11	92	.5	7	23	2608	4.30	36	5	ND	2	178	1	7	2	35	4.92	.078	6	3	1.61	58	.01	6	.59	.02	.34	1	205
6-4141	1	24	17	195	.2	11	18	6282	7.18	22	5	ND	1	300	1	2	2	117	7.54	.095	7	9	2.44	107	.06	2	1.10	.01	.68	2	8
6-4142	2	113	12	116	1.9	10	14	4743	4.73	16	5	10	1	371	1	2	3	64	10.85	.097	4	6	1.64	115	.04	5	2.07	.01	.57	1	6980
6-4143	1	256	13	155	.3	8	15	4171	4.61	59	5	ND	1	219	1	65	2	35	7.54	.101	2	2	2.55	1019	.01	4	.43	.01	.37	1	11
6-4144	1	87	20	184	.2	28	28	3683	6.88	27	12	ND	2	381	1	2	2	147	1.07	.142	4	22	1.72	291	.14	2	2.07	.03	1.45	1	31
6-4145	6	53	11	194	.4	43	32	3651	6.92	31	5	ND	1	169	1	14	2	40	5.89	.125	5	33	2.65	183	.01	4	.42	.01	.35	1	12
6-4146	3	94	9	105	.4	15	13	4923	3.67	23	5	ND	1	201	1	26	2	22	14.35	.036	2	8	3.23	507	.01	2	.17	.01	.14	2	8
6-4147	2	352	15	158	.6	36	21	4761	6.52	34	5	ND	1	322	1	2	2	67	6.26	.127	6	74	2.20	162	.02	2	.88	.01	.49	1	26
6-4148	1	63	12	131	.2	38	22	4412	5.38	23	5	ND	1	255	1	2	2	68	7.22	.135	3	77	2.44	332	.02	8	.84	.01	.50	2	10
6-4149	1	20	11	149	.1	33	20	5618	4.92	15	5	ND	1	311	1	2	4	50	14.86	.075	5	9	4.10	955	.01	2	.45	.01	.30	2	1
6-4150	1	566	13	135	.9	23	20	3724	5.35	39	5	ND	1	211	1	3	2	58	6.45	.130	5	48	2.23	227	.03	4	.94	.01	.58	1	17
6-4151	1	29	7	115	.1	24	18	3768	4.58	20	5	ND	1	171	1	2	2	34	8.24	.135	5	45	2.26	344	.01	4	.48	.01	.41	2	4
6-4152	1	47	8	64	.4	10	8	2877	2.59	10	5	ND	1	162	1	2	2	14	6.00	.064	3	18	1.53	817	.01	10	.27	.01	.22	3	5
6-4153	2	105	11	122	.3	15	17	5043	4.07	17	5	ND	1	218	1	3	2	56	13.43	.055	5	22	1.57	95	.05	2	1.59	.01	.39	2	10
6-4154	1	36	9	170	.2	14	15	3310	4.93	13	5	ND	1	187	1	2	2	52	6.56	.085	3	17	2.49	501	.02	2	.86	.01	.48	1	11
6-4155	1	152	12	208	.8	16	34	3154	5.27	16	5	ND	1	210	1	2	2	40	6.13	.093	3	13	1.74	64	.01	2	.49	.01	.32	1	21
6-4156	1	95	9	158	.5	12	20	3663	4.80	13	5	ND	1	211	1	3	2	24	8.26	.082	3	9	2.34	205	.01	2	.34	.01	.28	1	11
6-4157	1	26	14	208	.1	18	17	3784	5.24	16	5	ND	1	207	1	2	2	41	6.76	.089	3	13	2.42	317	.01	2	.88	.01	.34	1	1
6-4158	1	645	11	216	.9	16	19	3547	5.73	18	5	ND	1	244	1	2	2	42	6.34	.088	3	14	2.36	413	.01	4	.83	.01	.30	1	8
6-4159	1	26	11	132	.1	26	16	3917	4.02	14	5	ND	1	224	1	4	2	33	11.29	.046	3	8	2.05	364	.01	2	.28	.01	.23	1	3
6-4160	1	203	8	117	.4	13	13	3499	3.86	13	5	ND	1	229	1	2	2	37	7.86	.090	3	9	2.03	206	.01	2	.42	.01	.33	1	2
6-4381	1	36	8	71	.3	8	10	2736	3.76	13	5	ND	1	506	1	2	2	89	8.72	.086	2	12	1.82	95	.04	8	1.66	.01	.31	2	29
6-4382	2	74	13	90	.3	11	12	3316	5.36	11	5	ND	1	415	1	2	2	133	9.41	.094	2	18	2.34	67	.22	2	2.46	.02	1.61	3	150
6-4383	2	322	17	119	1.1	17	29	3101	7.91	24	5	ND	1	368	1	2	2	133	8.22	.103	3	28	2.92	41	.14	2	2.91	.01	1.02	3	560
6-4384	1	179	9	125	.4	15	20	2484	6.51	22	5	ND	1	250	1	2	2	139	5.02	.121	3	38	3.17	52	.16	7	3.23	.03	.92	1	37
6-4385	1	234	11	133	.2	12	18	2309	6.80	27	5	ND	1	178	1	2	2	142	3.16	.121	2	27	3.08	53	.16	2	3.18	.03	.87	1	36
6-4386	2	828	85	121	1.4	24	59	1943	11.43	60	8	ND	1	112	1	2	2	81	3.74	.074	2	17	3.03	24	.02	5	2.07	.03	.32	3	505
6-4387	2	927	14	160	1.1	47	40	2381	9.98	34	6	ND	1	100	1	2	2	123	3.53	.127	2	179	4.25	37	.09	15	3.91	.02	.84	2	395
6-4388	2	1150	16	132	1.0	34	31	2052	8.29	40	5	ND	1	81	1	2	2	111	2.20	.097	2	58	3.56	29	.11	6	3.34	.04	.45	2	345
6-4389	2	707	17	162	.8	19	40	2122	9.38	45	5	ND	1	75	1	2	2	134	1.79	.105	2	24	3.87	24	.09	2	3.60	.03	.63	3	150
6-4390	1	573	15	126	.7	18	23	2329	7.66	28	5	ND	1	135	1	2	2	135	3.09	.117	2	38	3.33	45	.07	2	3.16	.03	.50	1	67

IMPERIAL METALS PROJECT-4117 FILE # 87-3840

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	WA	K	M	AU#	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
6-4391	2	495	14	117	.3	25	23	2168	7.02	24	5	ND	1	120	1	2	2	142	2.97	.124	2	58	3.14	46	.15	2	2.97	.03	.85	1	150	
6-4392	3	232	10	72	.4	13	16	2786	5.15	18	5	ND	1	237	1	2	2	77	7.24	.103	2	11	2.08	31	.02	10	1.60	.01	.19	1	82	
6-4393	1	111	18	126	.3	71	16	3801	7.36	16	5	ND	1	168	1	2	2	121	6.63	.123	2	361	4.52	47	.10	2	3.19	.01	.28	1	75	
6-4394	1	141	10	97	.3	65	16	2029	6.21	19	5	ND	1	99	1	2	2	91	2.76	.149	2	269	2.92	49	.12	12	2.22	.04	.35	1	95	
6-4397	3	578	17	150	.8	39	50	1862	12.96	39	5	ND	2	159	1	2	2	132	2.18	.111	2	111	3.98	30	.06	3	3.69	.03	.61	1	665	
6-4398	2	637	9	184	.6	38	38	1919	10.25	34	5	ND	1	167	1	2	2	184	1.10	.132	2	84	5.22	31	.20	7	5.30	.04	2.03	1	195	
6-4399	2	765	15	154	.8	16	30	2058	8.34	36	5	ND	1	159	1	2	2	168	1.94	.118	2	24	3.86	37	.17	2	4.01	.04	1.79	3	148	
6-4400	1	504	16	189	.5	19	32	1988	9.54	36	5	ND	2	77	1	2	2	145	2.12	.120	2	20	3.67	42	.13	6	3.61	.04	1.47	1	116	
6-4401	2	295	13	128	.4	19	37	2057	7.15	37	5	ND	1	144	1	2	2	56	3.88	.133	2	23	2.58	33	.01	5	1.59	.02	.40	1	137	
6-4161	1	59	15	178	.2	14	13	4155	4.28	10	5	ND	1	440	1	2	2	66	11.31	.066	3	30	1.94	219	.02	8	1.35	.01	.28	1	19	
6-4162	1	10	11	113	.1	21	13	3906	4.56	12	5	ND	1	314	1	2	2	63	7.06	.072	6	21	1.26	912	.01	7	.39	.01	.22	1	7	
6-4163	1	7	13	138	.1	74	38	4896	4.43	14	6	ND	1	273	1	2	2	49	9.99	.058	5	16	2.01	359	.01	3	.29	.01	.20	1	3	
6-4164	1	15	8	143	.1	14	16	2851	4.65	9	5	ND	1	201	1	2	2	39	7.68	.077	3	9	2.44	237	.01	11	.43	.01	.30	1	25	
6-4165	1	11	14	186	.1	36	21	2865	5.65	15	5	ND	2	267	1	2	2	81	7.06	.113	5	106	2.83	158	.03	11	1.39	.01	.48	1	11	
6-4166	1	7	9	108	.1	23	14	3219	3.88	8	5	ND	1	221	1	2	2	32	9.38	.093	4	43	2.82	140	.01	2	.51	.01	.26	1	25	
SID C/AU-R	18	58	41	132	7.2	66	27	1034	3.92	42	21	7	38	49	18	17	23	57	.47	.088	27	61	.86	177	.08	36	1.81	.08	.14	13	520	

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: SEPT 7 1987

DATE REPORT MAILED: *Sept 16/87*ASSAYER: *D. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117

File # 87-3972

Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CD PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CO 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
6 4167	3	15	13	93	.1	24	22	1186	4.07	14	11	ND	2	120	1	2	2	52	2.38	.110	4	10	1.75	79	.06	6	1.83	.04	.46	1	19
6 4168	4	13	13	148	.1	164	22	2177	6.69	15	9	ND	1	127	1	4	2	106	4.02	.115	3	141	4.00	98	.15	6	3.86	.03	1.38	4	54
6 4169	3	279	13	127	.4	90	22	1815	5.27	14	7	ND	1	109	1	2	2	83	3.05	.104	2	94	2.94	51	.08	2	2.61	.03	.34	1	31
6 4170	5	59	13	79	.2	15	34	971	4.04	17	6	ND	1	85	1	3	2	52	1.65	.103	2	15	1.48	57	.07	14	1.48	.04	.29	1	76
6 4171	4	15	14	96	.2	16	37	1058	5.08	17	7	ND	1	78	1	2	2	52	1.99	.098	2	18	1.68	44	.09	9	1.65	.04	.29	1	73
6 4172	6	10	11	96	.1	15	33	1121	4.58	14	6	ND	1	120	1	2	2	52	2.15	.108	2	15	1.77	55	.08	10	1.79	.03	.39	1	47
6 4173	3	13	11	90	.2	13	33	992	5.67	13	9	ND	1	88	1	2	2	68	1.41	.094	2	20	1.90	38	.06	9	1.75	.04	.47	1	171
6 4174	2	7	7	80	.1	11	18	1007	3.62	11	5	ND	1	79	1	2	2	57	2.05	.102	3	15	1.58	80	.09	4	1.56	.03	.42	2	28
6 4175	4	19	14	99	.1	17	28	1488	5.48	9	8	ND	1	102	1	2	2	68	3.24	.091	3	17	2.13	51	.11	2	2.04	.03	.23	1	86
6 4176	1	8	12	98	.1	18	22	1125	5.27	12	6	ND	1	77	1	2	2	92	1.58	.130	2	26	2.02	71	.16	3	2.03	.04	.55	1	46
6 4177	2	15	13	119	.3	140	31	1819	8.05	9	9	ND	1	143	1	2	2	99	3.43	.104	2	144	3.14	39	.10	13	2.68	.03	.35	2	62
6 4178	2	287	12	108	.3	133	21	1364	4.41	6	5	ND	1	56	1	3	2	79	1.60	.114	2	145	2.84	55	.14	2	2.38	.04	.61	2	98
6 4179	2	51	13	101	.2	25	29	1057	4.98	18	9	ND	1	90	1	2	2	77	1.84	.150	3	12	1.94	59	.16	2	1.94	.04	.54	1	37
6 4180	1	292	12	114	.4	30	39	1359	5.59	15	8	ND	1	101	1	2	2	81	2.36	.126	2	67	2.35	64	.12	2	2.24	.03	.47	1	138
6 4181	3	27	12	121	.1	34	39	1112	5.40	19	5	ND	1	103	1	3	2	95	1.30	.136	2	31	2.54	55	.17	2	2.34	.04	.93	1	43
6 4182	3	99	16	170	.3	71	44	2467	7.84	18	9	ND	1	127	1	5	2	128	3.80	.121	2	332	4.43	52	.10	2	3.39	.02	.36	1	54
6 4183	3	2379	12	102	2.3	22	28	1091	5.35	13	11	ND	1	278	1	2	2	66	1.68	.111	3	28	1.89	60	.09	3	1.77	.03	.37	1	680
6 4184	2	2266	9	88	2.2	9	15	1067	6.30	8	6	ND	1	92	1	2	2	70	1.65	.086	3	21	1.68	62	.11	2	1.78	.03	.69	1	1530
6 4185	2	346	10	76	.4	11	17	932	4.91	16	9	ND	1	106	1	2	2	66	1.62	.089	4	15	1.51	42	.04	10	1.42	.03	.20	1	94
6 4186	2	135	9	76	.3	9	14	962	4.37	10	9	ND	1	71	1	2	2	63	1.49	.094	6	15	1.44	55	.02	2	1.37	.03	.17	1	37
6 4187	7	134	18	53	.4	8	17	883	11.82	4	12	ND	2	108	1	2	2	47	2.12	.058	5	7	.94	24	.01	9	1.26	.03	.24	1	118
6 4188	7	34	12	70	.2	9	16	759	4.83	15	5	ND	1	52	1	2	2	53	1.25	.089	4	11	1.30	36	.01	2	1.24	.03	.19	1	39
6 4189	3	227	11	58	.5	8	17	959	5.26	8	5	ND	1	70	1	2	2	55	2.15	.075	4	9	1.18	26	.01	5	1.06	.03	.10	1	89
6 4190	6	491	14	132	.8	47	25	2210	7.14	22	11	ND	2	162	1	4	2	110	3.62	.091	2	125	3.67	56	.06	2	2.88	.02	.43	5	320
6 4191	1	353	11	148	.6	86	25	2131	8.89	16	7	ND	1	88	1	2	2	114	2.39	.108	2	279	4.53	90	.14	4	3.61	.03	.96	1	670
6 4192	2	134	13	159	.3	67	35	3078	6.43	25	9	ND	1	174	1	4	2	152	4.98	.136	2	217	5.26	82	.11	2	3.94	.01	.69	2	290
6 4193	3	6408	22	265	7.1	105	64	1914	14.23	73	11	2	2	69	2	3	2	170	2.20	.140	3	377	4.68	23	.13	2	3.60	.03	1.23	13	2640
6 4194	2	8693	27	716	8.0	162	62	1536	15.51	64	11	2	1	46	2	2	2	154	1.28	.094	2	453	5.33	15	.08	4	3.35	.02	.50	151	3720
6 4195	2	9931	21	295	6.4	133	52	2401	13.26	49	18	3	1	312	2	2	2	115	3.50	.085	3	408	4.47	33	.10	2	2.97	.02	.54	12	4840
6 4196	1	378	9	117	.3	80	17	2067	5.65	20	6	ND	1	113	1	3	2	89	2.77	.103	2	280	3.87	42	.12	2	2.73	.03	.43	3	92
6 4197	1	186	13	141	.4	46	32	1717	7.75	21	9	ND	1	101	1	2	2	158	2.23	.119	2	88	3.33	45	.17	2	3.14	.04	1.50	1	112
6 4198	2	368	12	123	.6	35	32	1586	7.66	19	8	ND	1	65	1	2	2	128	2.49	.114	2	70	2.91	48	.08	2	2.71	.03	.72	1	370
6 4199	3	38	12	67	.2	10	19	1024	4.63	11	5	ND	1	74	1	2	2	43	2.63	.095	9	12	1.20	42	.03	4	1.30	.03	.39	1	78
6 4200	3	17	12	57	.1	9	20	773	3.83	12	5	ND	1	132	1	3	2	39	1.72	.097	3	10	1.03	48	.07	2	1.19	.03	.29	2	162
6 4201	2	43	12	49	.1	7	18	731	3.61	11	5	ND	1	90	1	2	2	46	1.82	.098	3	11	.98	60	.08	2	1.17	.03	.50	3	93
6 4202	3	13	12	44	1.9	8	21	781	3.95	16	5	ND	1	67	1	3	2	40	1.84	.075	3	10	.93	42	.07	9	1.04	.04	.61	4	980
STD C/AU-R	18	58	40	133	7.3	69	27	1041	4.01	40	20	7	38	50	18	17	21	56	.48	.088	37	60	.88	177	.08	37	1.84	.08	.12	14	480

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-ROCK P3-SOIL AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 28 1987

DATE REPORT MAILED: *Sept 5/87*

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 67-3730 Page 1

SAMPLE#	MG	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6-4205	8	20	11	66	.1	13	18	845	5.30	14	5	ND	2	78	1	2	2	62	1.73	.116	4	19	1.29	44	.04	2	1.16	.03	.41	2	59
6-4206	8	27	2	65	.1	18	26	942	5.65	14	5	ND	1	155	2	2	3	67	1.85	.113	3	19	1.43	27	.04	2	1.28	.02	.42	1	250
6-4207	18	66	5	182	.4	80	55	2842	10.96	21	5	2	1	92	2	8	2	149	5.40	.177	3	330	5.16	55	.09	4	4.09	.01	.86	2	495
6-4208	7	26	2	164	.2	40	37	1771	8.02	17	5	ND	2	52	3	5	2	171	1.78	.117	2	54	4.00	48	.17	3	3.69	.04	1.92	1	250
6-4209	9	57	2	178	.1	56	57	2032	11.79	13	5	ND	1	50	1	2	2	160	1.95	.118	2	129	4.63	31	.16	2	4.26	.03	1.75	1	295
6-4210	11	199	9	165	.7	105	68	1918	20.04	26	5	7	1	34	1	3	10	142	1.39	.145	2	264	4.45	14	.06	6	3.81	.01	.61	1	8320
6-4211	7	83	3	149	.2	74	58	1872	9.74	19	5	ND	1	37	1	2	2	133	1.51	.126	2	93	4.32	34	.11	2	3.68	.03	1.03	1	485
6-4212	14	2860	13	230	3.1	84	74	2740	16.43	8	5	2	1	53	1	10	2	173	2.14	.105	2	195	5.67	27	.16	2	5.33	.01	1.57	3	2020
6-4213	12	144	6	110	.3	75	49	1450	10.34	20	5	ND	1	341	3	2	2	115	2.14	.106	2	118	2.76	19	.13	2	2.49	.02	.70	1	1090
6-4214	7	97	6	152	.2	112	30	2196	8.33	21	5	ND	1	110	1	3	2	199	3.37	.125	2	139	4.64	64	.16	3	3.59	.03	.80	2	165
6-4215	5	174	2	123	.1	25	27	1427	7.22	28	5	ND	1	225	1	2	2	141	1.49	.125	2	30	2.93	48	.21	2	2.51	.04	.84	1	225
6-4216	4	168	5	102	.2	17	27	1248	6.20	27	5	ND	1	1128	2	2	2	103	2.02	.122	2	29	2.48	57	.17	2	2.07	.03	.56	1	225
6-4313	4	30	8	121	.2	31	25	1330	6.11	15	5	ND	1	116	3	2	2	40	1.73	.081	4	58	2.11	51	.01	11	1.64	.03	.17	1	365
6-4314	5	174	3	138	.1	80	36	1732	9.83	19	5	ND	1	224	2	2	2	56	2.38	.094	2	149	3.43	27	.01	2	2.55	.02	.21	1	360
6-4315	6	280	2	139	.2	49	32	1898	8.63	18	5	ND	2	182	1	2	2	94	3.21	.167	3	88	3.44	35	.02	7	2.82	.01	.31	1	350
6-4316	4	334	3	115	.2	30	24	1298	8.12	18	5	ND	3	145	1	2	2	98	1.61	.140	3	41	2.55	75	.13	2	2.52	.04	1.24	1	305
6-4317	8	1525	5	126	1.0	16	34	1609	8.55	25	5	ND	1	177	1	2	2	101	2.67	.144	3	15	2.62	35	.14	2	2.53	.02	1.16	2	285
6-4318	10	78	5	162	.3	19	41	1578	10.45	31	5	ND	2	101	1	2	2	136	1.42	.118	3	18	3.11	28	.22	7	3.41	.02	1.77	1	685
6-4319	6	176	2	163	.1	22	37	2021	8.52	22	5	ND	1	208	2	2	2	95	3.06	.133	4	19	2.71	43	.09	2	2.59	.01	.86	1	250
6-4320	6	71	5	130	.2	18	38	1593	8.31	14	5	ND	1	118	2	2	2	119	2.44	.149	4	24	2.21	64	.11	4	2.43	.02	.94	1	305
6-4321	4	28	3	162	.1	24	30	2185	7.23	13	5	ND	1	185	1	2	2	79	2.97	.144	4	44	2.60	103	.04	3	2.36	.01	.36	1	165
6-4322	11	173	7	283	.7	84	37	4302	13.59	7	5	ND	1	212	1	14	2	153	5.24	.127	4	358	5.59	88	.01	3	4.75	.01	.08	1	505
6-4323	8	24	6	200	.1	102	27	3242	10.96	11	5	ND	1	148	1	12	2	158	3.86	.111	2	339	5.69	66	.06	2	3.72	.01	.27	2	175
6-4324	4	23	8	159	.1	28	23	1648	8.65	14	5	ND	1	117	2	2	2	150	1.44	.141	2	35	2.97	172	.18	4	2.97	.02	.92	1	240
6-4325	6	33	9	148	.1	27	21	1896	9.16	11	5	ND	1	114	1	3	2	165	1.89	.134	2	32	3.39	195	.18	2	3.23	.02	1.02	2	185
6-4326	7	61	5	168	.1	60	64	1967	11.37	20	5	ND	1	68	1	6	2	180	1.36	.133	2	28	4.28	35	.26	2	4.54	.02	2.19	1	445
STD C/AU-R	19	60	42	131	7.2	69	28	1043	4.03	39	18	7	40	50	23	19	17	58	.46	.090	38	60	.86	178	.08	37	1.72	.06	.13	13	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	M6 %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
6 4203	1	22	10	60	.2	8	19	802	4.66	8	5	ND	1	46	1	2	2	63	1.50	.101	6	11	1.36	49	.11	2	1.49	.05	.94	4	74
6 4204	1	19	10	57	.1	8	13	727	4.19	12	5	ND	1	112	1	2	2	60	1.39	.100	4	10	1.14	61	.07	2	1.26	.05	.63	2	69
6 4217	1	234	13	112	.3	18	27	1223	6.74	23	5	ND	1	89	1	2	2	108	1.21	.103	2	21	2.77	43	.19	2	2.53	.06	.79	1	124
6 4218	2	264	18	113	.2	18	29	1198	6.50	16	5	ND	1	155	1	2	2	93	1.30	.109	2	29	2.72	49	.17	2	2.50	.05	.68	1	122
6 4219	1	75	13	138	.1	22	31	1347	7.39	21	5	ND	1	71	1	2	2	104	1.00	.101	2	30	3.18	44	.22	2	3.05	.06	1.04	2	108
6 4220	1	184	14	127	.1	21	34	1275	7.23	17	5	ND	1	103	1	2	2	105	1.24	.105	2	33	2.88	38	.18	2	2.82	.05	1.03	1	245
6 4221	1	189	12	133	.1	17	22	1346	6.14	11	5	ND	1	95	1	2	2	103	.97	.101	2	29	2.94	50	.14	2	2.70	.05	.89	1	240
6 4222	2	482	15	119	.4	19	30	1161	7.37	12	5	ND	1	53	1	2	2	92	1.22	.098	2	26	2.59	37	.11	2	2.57	.05	1.08	1	395
6 4223	1	490	13	121	.5	19	30	1126	7.16	11	5	ND	1	45	1	2	2	95	1.65	.099	3	23	2.77	44	.06	7	2.61	.04	.70	1	415
6 4224	1	374	13	124	.5	21	25	1386	7.59	12	5	ND	1	112	1	3	2	90	2.69	.103	4	41	2.79	44	.04	5	2.62	.04	.41	1	365
6 4225	1	365	15	139	.4	23	26	1440	7.95	15	5	ND	1	109	1	2	2	97	2.42	.108	4	51	3.10	51	.09	8	3.02	.04	.85	1	330
6 4226	1	269	14	117	.2	20	22	1330	6.25	13	5	ND	1	82	1	2	2	106	2.19	.101	2	33	2.92	61	.11	3	2.83	.04	1.03	1	215
6 4227	1	46	17	111	.2	15	24	1451	6.36	7	5	ND	1	104	1	2	2	88	3.65	.104	5	19	2.08	56	.10	5	2.44	.03	1.02	1	275
6 4228	1	51	12	103	.1	18	34	1227	6.02	8	5	ND	1	100	1	3	2	79	2.46	.089	3	28	2.23	48	.08	6	2.29	.04	.75	1	122
6 4229	1	32	13	135	.1	19	28	1330	7.39	9	5	ND	1	157	1	2	2	105	1.96	.097	3	26	2.95	42	.08	5	2.78	.04	.75	1	104
6 4230	2	77	12	120	.1	20	34	1279	7.36	11	5	ND	1	81	1	2	2	114	1.17	.100	2	25	2.96	45	.17	2	2.88	.05	1.09	1	72
6 4231	2	28	15	142	.1	20	32	1448	8.51	12	5	ND	1	223	1	2	2	142	1.27	.102	2	23	3.22	38	.22	6	3.06	.06	1.13	2	112
6 4232	2	81	11	132	.2	19	26	1300	7.92	13	5	ND	1	93	1	2	2	153	1.68	.103	2	25	3.26	47	.13	4	2.96	.05	1.15	1	134
6 4233	1	22	12	137	.1	20	28	1397	8.06	6	5	ND	1	86	1	2	2	129	1.82	.107	2	47	3.20	43	.10	3	3.09	.05	1.16	1	114
6 4234	2	11	16	123	.1	21	43	1438	7.97	14	5	ND	1	138	1	2	2	93	3.23	.103	4	23	2.59	41	.05	4	2.86	.03	.68	1	78
6 4235	2	39	12	90	2.4	15	25	1790	6.14	5	5	ND	1	194	1	2	2	64	6.23	.099	3	17	2.14	42	.01	2	1.89	.03	.16	1	1310
6 4236	2	137	16	94	1.6	17	20	1780	5.87	9	5	ND	1	225	1	2	3	86	6.02	.095	3	17	2.47	46	.01	2	2.05	.04	.13	1	1215
6 4237	1	165	15	120	.3	67	28	1518	6.90	9	5	ND	1	203	1	2	3	107	3.53	.106	4	73	2.94	54	.02	2	2.59	.03	.26	1	129
6 4238	1	34	12	137	.2	150	18	1665	5.72	9	5	ND	1	222	1	2	2	109	3.02	.116	3	177	3.84	97	.12	3	3.14	.05	.81	2	42
6 4239	1	106	12	105	.2	18	20	1084	5.17	8	5	ND	1	270	1	2	2	77	1.80	.112	3	57	2.51	66	.07	3	2.23	.04	.48	1	57
6 4240	1	120	14	103	.2	17	22	1099	5.49	12	5	ND	1	275	1	2	2	88	1.94	.103	2	22	2.49	53	.17	2	2.23	.05	.60	1	93
6 4241	1	190	15	126	.3	19	24	976	6.29	10	5	ND	1	106	1	2	2	108	1.33	.115	2	23	2.58	49	.18	8	2.38	.08	.69	1	132
6 4242	2	95	16	110	.2	14	19	1287	6.05	9	5	ND	1	164	1	2	2	77	2.20	.111	3	15	2.38	57	.06	2	2.42	.05	.75	1	113
6 4243	1	127	14	130	.3	23	24	1589	6.84	10	5	ND	1	264	1	3	2	87	3.50	.105	4	39	2.93	65	.03	2	2.60	.03	.41	1	105
6 4244	1	45	15	126	.1	21	21	1313	7.21	12	5	ND	1	104	1	2	2	138	2.00	.105	2	27	3.18	56	.14	2	3.16	.06	1.07	1	74
6 4245	1	60	14	119	.2	17	23	1096	6.25	11	5	ND	1	126	1	2	2	112	1.46	.112	2	24	2.70	52	.17	3	2.45	.06	.82	1	124
6 4246	1	42	15	100	.1	17	28	1163	6.56	11	5	ND	1	232	1	2	2	93	2.09	.096	2	19	2.40	54	.12	2	2.14	.04	.46	1	129
6 4247	1	62	17	99	.3	20	25	1249	7.01	12	5	ND	1	203	1	2	2	108	2.63	.097	2	21	2.61	52	.11	2	2.37	.04	.56	2	210
6 4248	2	33	14	117	.2	21	30	1132	7.79	10	5	ND	1	289	1	2	2	119	1.55	.095	2	23	2.70	34	.17	2	2.75	.05	1.03	1	122
6 4249	1	135	15	137	.3	21	28	1260	8.62	14	5	ND	1	133	1	2	2	146	1.51	.107	2	31	3.29	38	.18	2	3.42	.05	1.46	1	94
6 4250	2	292	14	121	.3	26	30	1146	8.05	14	5	ND	1	212	1	2	2	117	1.20	.112	2	18	3.00	34	.24	2	3.12	.05	1.39	1	144
STD C/AU-R	18	58	42	132	7.1	68	26	1031	3.98	38	24	7	37	48	17	18	20	55	.48	.087	36	57	.88	176	.08	32	1.82	.07	.14	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 %	M PPM	AUI PPB
6 4251	2	329	14	101	.6	18	28	1150	8.31	18	6	ND	2	317	1	2	2	77	1.99	.074	2	14	2.22	45	.10	2	2.16	.04	.66	1	265
6 4252	2	64	18	116	.3	18	33	1231	8.43	23	5	ND	1	117	1	2	2	113	1.60	.095	2	23	2.72	35	.18	5	2.82	.04	1.47	1	350
6 4253	2	40	17	102	.4	20	34	1526	9.40	18	5	ND	2	146	1	2	2	122	3.74	.087	3	27	2.77	32	.03	2	2.42	.03	.22	1	285
6 4254	2	21	15	116	.3	22	27	1286	7.99	17	5	ND	2	93	1	4	2	120	2.84	.110	3	86	3.07	54	.05	2	2.75	.04	.83	1	205
6 4255	2	35	14	105	.1	28	23	1080	6.75	18	5	ND	1	107	1	2	2	107	2.27	.117	2	93	2.69	59	.11	7	2.47	.05	.91	1	89
6 4256	1	86	16	117	.1	21	28	986	7.91	19	5	ND	1	183	1	2	2	129	1.31	.114	2	26	3.19	41	.13	3	2.99	.07	1.21	1	165
6 4257	2	42	13	161	.3	23	30	1199	9.22	19	5	ND	1	47	1	2	2	146	.98	.105	2	40	3.38	28	.14	2	3.43	.06	1.81	1	103
6 4258	4	112	14	102	.2	17	19	934	7.83	18	5	ND	2	43	1	2	2	112	1.43	.114	3	30	2.40	35	.10	2	2.44	.04	1.26	1	64
6 4259	3	231	15	101	.6	16	16	999	6.94	20	5	ND	2	146	1	2	2	85	2.29	.117	6	26	2.05	32	.05	2	1.98	.04	.65	1	210
6 4260	2	51	16	114	.4	15	19	1019	7.79	14	6	ND	2	203	1	4	2	98	1.62	.111	5	29	2.25	33	.08	2	2.29	.05	1.07	1	154
6 4261	2	62	16	115	.4	23	28	879	8.50	23	5	ND	2	58	1	2	2	85	1.41	.124	3	44	2.41	30	.02	2	2.13	.05	.37	2	111
6 4262	4	98	13	92	.3	18	27	888	7.78	16	5	ND	1	50	1	2	2	65	1.80	.121	3	26	1.77	24	.01	5	1.65	.04	.28	1	112
6 4263	8	159	17	174	.4	15	20	1101	6.03	19	5	ND	1	71	1	2	2	68	2.33	.126	5	18	1.83	42	.01	5	1.67	.04	.24	1	87
6 4264	7	211	13	124	.4	24	33	2347	6.26	15	5	ND	1	149	1	2	2	106	5.95	.135	5	53	2.51	56	.08	6	2.29	.04	.62	1	21
6 4265	2	610	17	119	.7	22	50	2039	9.21	16	5	ND	1	116	1	2	2	83	3.70	.090	3	31	2.29	34	.08	2	2.47	.02	.68	1	63
6 4266	1	107	15	124	.2	24	35	1879	5.71	16	5	ND	1	110	1	2	2	107	2.58	.122	2	56	2.83	70	.17	2	2.70	.04	.70	1	20
6 4267	1	31	15	102	.3	23	40	1410	6.39	23	5	ND	1	111	1	2	2	66	1.96	.128	2	35	2.02	15	.16	2	1.87	.04	.12	1	105
6 4268	2	26	16	148	.1	30	28	1973	6.11	18	5	ND	1	130	1	3	2	105	2.31	.124	2	69	2.96	61	.21	2	2.62	.04	.82	1	42
6 4269	1	299	16	126	.5	28	34	1730	7.30	22	5	ND	2	293	1	2	2	100	2.83	.123	3	56	2.45	34	.06	14	2.27	.04	.25	2	185
6 4270	1	72	20	107	.4	19	33	1553	5.22	19	5	ND	1	92	1	2	2	91	2.68	.099	2	22	2.57	5	.16	8	2.16	.03	.06	1	43
6 4271	3	108	12	106	.3	22	23	1267	6.24	19	5	ND	1	90	1	2	2	85	2.32	.107	3	43	2.13	44	.04	5	1.82	.04	.35	1	150
6 4272	8	10	13	92	.2	18	26	1054	5.62	11	5	ND	1	93	1	2	2	68	1.73	.117	3	38	1.87	47	.03	3	1.66	.05	.25	1	76
6 4273	3	11	16	120	.2	24	57	1344	7.27	17	5	ND	1	68	1	2	2	72	1.84	.121	2	52	2.36	29	.04	2	2.15	.04	.43	1	165
6 4274	2	9	12	119	.1	24	44	1368	7.65	17	5	ND	1	100	1	2	2	109	1.24	.125	3	54	2.50	26	.06	2	2.23	.06	.60	1	71
6 4275	2	6	10	113	.1	16	27	1180	6.56	16	5	ND	1	44	1	2	2	90	1.19	.121	4	41	2.10	43	.02	8	1.92	.05	.29	1	63
6 4276	2	6	12	111	.1	18	35	1209	7.04	16	5	ND	1	41	1	2	2	101	1.04	.120	4	37	2.02	56	.11	2	2.23	.05	1.13	1	485
6 4277	3	8	12	126	.2	21	36	1329	6.47	13	5	ND	1	92	1	2	2	93	1.17	.121	2	62	2.31	66	.08	3	2.29	.05	.77	1	365
6 4278	2	9	11	103	.2	18	41	1150	5.54	17	5	ND	1	49	1	2	2	78	1.29	.111	5	33	1.89	58	.05	5	1.89	.05	.54	1	225
6 4279	1	149	14	115	.3	19	72	1287	8.31	19	5	ND	1	59	1	2	2	113	1.60	.101	3	27	2.29	42	.11	4	2.52	.04	1.07	5	720
6 4280	2	118	13	123	.3	18	31	1492	6.99	18	5	ND	1	332	1	2	2	129	2.95	.110	5	22	2.67	57	.11	2	2.77	.04	1.00	1	190
6 4281	2	87	12	122	.1	14	21	1253	7.42	18	5	ND	1	84	1	2	2	101	1.66	.120	3	16	2.51	87	.12	2	2.63	.04	.89	1	265
6 4282	2	40	13	111	.2	14	26	1119	8.14	12	5	ND	1	123	1	2	2	103	1.69	.124	3	24	2.28	24	.09	2	2.17	.04	.65	1	295
6 4283	2	73	10	92	.3	6	21	1166	5.90	14	5	ND	1	121	1	2	2	87	2.30	.136	5	13	1.93	63	.03	2	1.84	.04	.29	1	67
6 4284	2	10	10	57	.2	5	14	769	3.97	12	5	ND	1	92	1	2	2	33	2.37	.136	4	8	.97	61	.01	3	1.05	.05	.28	1	46
6 4285	1	16	10	75	.2	6	11	829	4.23	14	5	ND	1	69	1	2	2	46	2.34	.132	5	4	1.14	37	.01	9	1.07	.05	.15	1	124
6 4286	1	15	9	65	.2	6	10	668	4.02	15	5	ND	1	54	1	2	2	37	1.91	.129	5	8	1.12	44	.01	4	1.09	.05	.23	1	114
STD C/AU-R	19	60	41	132	7.2	70	28	1050	4.06	40	19	8	39	51	19	18	21	58	.48	.091	38	58	.89	181	.08	38	1.86	.08	.14	12	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
6 4287	1	112	13	64	.1	5	9	653	3.53	81	5	ND	2	70	1	2	2	53	1.82	.131	5	9	1.13	38	.05	2	1.00	.05	.14	1	90
6 4288	1	153	11	71	.2	5	9	624	3.50	20	5	ND	2	43	1	2	2	47	1.50	.132	6	7	1.15	33	.06	3	.99	.05	.14	1	108
6 4289	1	76	13	70	.1	5	10	684	3.94	39	5	ND	2	45	1	2	2	49	1.69	.130	6	5	1.13	31	.05	2	.99	.05	.13	1	42
6 4290	1	76	9	60	.3	4	10	669	3.22	17	5	ND	2	52	1	3	2	47	1.96	.129	5	6	.95	35	.07	2	.83	.04	.13	1	91
6 4291	1	43	9	60	.1	4	11	551	3.39	25	5	ND	1	41	1	2	2	41	1.60	.131	4	6	.91	31	.06	4	.82	.04	.15	1	79
6 4292	3	10	11	75	.1	4	12	628	3.96	18	5	ND	1	49	1	3	2	44	1.37	.131	3	8	1.13	33	.06	2	.97	.05	.11	2	64
6 4293	1	48	10	63	.2	4	11	535	3.24	23	5	ND	1	55	1	2	2	44	1.06	.129	3	7	.94	26	.08	2	.81	.05	.10	12	88
6 4294	1	29	7	53	.1	4	10	514	3.02	15	5	ND	1	66	1	2	2	39	1.35	.126	3	4	.78	33	.07	2	.75	.05	.12	1	83
6 4295	2	38	7	50	.1	4	10	540	3.02	24	5	ND	1	157	1	2	2	46	1.76	.132	6	6	.81	41	.04	3	.84	.05	.16	2	78
6 4296	2	6	8	65	.1	5	18	883	3.53	17	5	ND	2	150	1	2	2	47	2.51	.128	10	7	1.02	60	.01	2	1.09	.04	.20	2	72
6 4297	2	89	8	82	.1	6	20	826	3.83	24	5	ND	1	136	1	2	2	45	1.72	.132	6	15	1.20	65	.04	4	1.24	.04	.43	8	32
6 4298	2	12	13	77	.1	5	25	781	4.24	22	5	ND	2	242	1	2	2	37	1.64	.128	6	6	1.16	52	.05	2	1.22	.04	.55	2	96
6 4299	2	10	6	65	.1	4	14	796	3.39	23	5	ND	2	164	1	2	2	43	2.19	.131	6	6	1.06	58	.04	3	1.10	.04	.42	1	71
6 4300	7	8	9	64	.1	4	15	837	3.46	18	5	ND	2	88	1	2	2	56	2.18	.125	8	4	1.12	66	.04	4	1.09	.04	.47	2	83
6 4301	1	8	10	72	.1	5	26	797	3.60	23	5	ND	2	149	1	2	2	48	2.04	.127	6	5	1.07	54	.02	3	1.12	.04	.22	1	84
6 4302	1	22	8	61	.1	5	12	668	3.48	13	5	ND	2	70	1	2	2	59	1.83	.126	5	4	1.12	41	.03	2	1.12	.05	.28	1	76
6 4303	1	12	12	67	.2	5	15	887	4.07	18	5	ND	2	158	1	2	2	63	2.49	.121	6	10	1.31	58	.02	2	1.23	.03	.19	1	131
6 4304	3	48	15	114	.1	14	29	1584	7.33	20	5	ND	1	139	1	2	2	116	2.85	.117	3	20	2.56	35	.03	2	2.35	.03	.27	1	405
6 4305	1	179	14	126	.3	15	26	1704	6.56	21	5	ND	1	258	1	3	2	121	2.68	.128	4	32	2.85	53	.03	2	2.55	.03	.29	1	265
6 4306	1	143	11	131	.3	18	19	1604	6.68	22	5	ND	2	248	1	2	2	134	2.06	.128	3	27	3.25	91	.11	2	3.19	.03	.95	1	165
6 4307	1	447	13	169	.4	47	29	2207	8.79	24	7	ND	2	411	1	2	2	154	2.41	.134	3	147	4.46	62	.04	2	4.03	.03	.36	1	860
6 4308	1	214	11	197	.3	38	36	1977	8.89	27	5	ND	1	568	1	2	2	126	1.87	.130	2	94	3.76	61	.04	2	3.60	.03	.41	1	750
6 4309	3	535	13	138	.5	31	27	1519	6.46	22	5	ND	2	92	1	2	2	82	2.04	.091	6	68	2.69	54	.04	2	2.64	.03	.42	2	520
6 4310	3	120	14	133	.3	33	51	1290	7.81	28	5	ND	2	67	1	2	2	75	1.51	.070	3	41	2.53	37	.08	2	2.68	.04	.84	2	520
6 4311	1	80	13	93	.1	15	21	1019	4.22	16	5	ND	1	62	1	2	2	40	1.34	.066	4	27	1.65	67	.01	3	1.57	.04	.17	1	215
6 4312	3	370	11	106	.4	17	23	1073	5.44	18	5	ND	2	74	1	2	2	47	1.36	.058	4	14	1.99	48	.03	2	1.84	.04	.32	1	260
6 4327	1	62	14	127	.2	15	34	1462	7.88	15	5	ND	1	55	1	2	2	134	1.59	.108	2	20	2.81	68	.14	2	2.74	.04	.90	1	395
6 4328	1	46	14	141	.1	18	52	1411	9.24	20	5	ND	1	67	1	5	3	157	1.14	.112	2	25	3.22	39	.18	2	3.21	.05	1.30	1	360
6 4329	1	49	14	116	.1	14	25	1238	7.39	19	5	ND	1	62	1	2	2	131	1.33	.127	2	19	2.73	63	.11	2	2.79	.04	.83	2	205
6 4330	1	656	15	128	.8	16	35	1457	7.93	20	5	ND	2	94	1	4	2	97	2.24	.126	5	18	2.73	56	.05	5	2.90	.04	.51	1	185
6 4331	1	37	14	124	.1	17	20	1877	10.48	16	5	ND	2	138	1	5	2	106	3.94	.119	5	18	2.65	58	.04	2	2.79	.02	.33	2	480
6 4332	2	80	15	87	.2	10	21	3282	7.03	15	5	ND	2	262	1	2	7	64	10.97	.073	14	11	1.78	86	.03	2	1.65	.01	.37	1	280
6 4333	2	15	11	123	.2	15	34	1451	7.43	20	5	ND	1	59	1	2	2	141	1.98	.112	3	26	2.77	72	.12	2	2.97	.04	1.25	2	84
6 4334	1	18	8	91	.2	11	28	1622	6.40	16	5	ND	1	208	1	3	2	52	4.53	.117	3	10	2.27	74	.01	2	1.28	.03	.22	1	60
6 4335	3	16	14	124	.1	14	44	1504	7.90	20	6	ND	1	333	1	2	2	90	3.30	.114	3	20	2.42	54	.03	2	2.22	.03	.28	1	112
6 4336	1	488	14	112	.4	13	11	1980	7.74	12	5	ND	2	150	1	2	2	86	5.89	.121	10	12	2.11	65	.03	2	2.41	.02	.39	21	36
STD C/AU-R	18	59	41	132	7.4	69	28	1047	4.01	40	18	7	38	50	19	18	24	57	.48	.090	38	61	.88	177	.08	37	1.84	.08	.13	12	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
6 4337	4	21	14	100	.4	19	55	1433	8.96	18	9	ND	1	139	1	3	2	55	3.74	.095	5	14	1.73	41	.02	6	1.84	.03	.51	10	54
6 4338	2	89	11	125	.4	16	46	1611	7.72	13	7	ND	1	140	1	4	2	51	3.30	.097	3	15	2.26	28	.05	5	1.86	.03	.64	2	142
6 4339	4	62	14	84	.2	16	81	1525	8.55	16	7	ND	1	110	1	2	2	35	3.59	.086	2	7	2.07	16	.01	4	1.13	.03	.29	1	430
6 4340	3	34	7	94	.3	17	48	1605	6.98	15	8	ND	1	283	1	2	2	26	6.15	.103	2	4	2.24	28	.01	12	.63	.01	.38	3	173
6 4341	2	5	7	68	.2	6	9	1767	4.05	3	5	ND	1	556	1	3	2	11	7.66	.036	2	1	2.47	444	.01	2	.19	.01	.15	1	18
6 4342	3	278	9	54	.3	11	18	1182	7.32	33	5	ND	1	157	1	3	2	44	5.42	.102	3	6	2.38	25	.01	2	.48	.02	.25	1	97
6 4343	1	155	10	77	.3	11	16	833	7.15	29	8	ND	1	109	1	3	2	71	4.04	.118	5	6	2.41	38	.01	5	.82	.03	.21	1	81
6 4344	3	135	9	57	.6	13	41	752	8.89	51	5	ND	1	61	1	2	2	33	2.36	.078	2	6	1.26	12	.01	13	.40	.03	.16	1	825
6 4345	2	154	11	72	.2	9	17	850	5.33	26	5	ND	1	56	1	3	2	40	2.25	.105	5	4	1.37	27	.01	4	.56	.02	.23	1	64
6 4346	3	120	10	64	.3	11	16	656	7.05	34	5	ND	1	54	1	3	2	59	3.37	.099	5	3	1.65	15	.01	2	.49	.02	.10	1	485
6 4347	2	366	13	81	.6	39	26	839	11.17	43	5	ND	1	52	1	2	2	85	2.72	.119	4	69	1.81	11	.01	6	.65	.03	.13	1	750
6 4348	1	101	9	65	.2	14	16	843	6.06	19	5	ND	1	71	1	2	2	47	2.52	.117	4	7	1.59	19	.01	7	.56	.03	.20	1	69
6 4349	2	194	8	62	.3	11	14	912	6.44	47	5	ND	1	80	1	3	2	43	4.45	.088	3	11	2.25	20	.01	9	.50	.02	.20	1	205
6 4350	9	460	12	90	.5	24	14	1231	5.04	24	5	ND	1	111	1	3	2	80	4.98	.094	6	25	2.04	261	.01	8	.80	.02	.19	1	71
6 4351	4	137	16	167	.4	26	33	2136	8.61	17	5	ND	1	170	1	2	2	103	2.87	.121	3	61	3.73	34	.07	2	3.57	.03	.84	2	33
6 4352	6	12	13	152	.1	24	19	2284	6.61	12	5	ND	1	191	1	2	2	97	4.64	.122	3	68	3.51	52	.03	2	3.24	.02	.44	1	28
6 4353	2	79	14	132	.3	22	34	1891	8.74	18	6	ND	1	144	1	3	2	83	2.77	.100	3	48	2.91	21	.03	2	2.61	.03	.30	1	36
6 4354	2	51	15	161	.2	27	23	2663	7.00	14	7	ND	1	245	1	3	2	133	3.63	.127	3	67	3.71	46	.04	2	3.33	.02	.49	1	32
6 4355	3	697	14	136	1.1	24	24	2100	6.97	11	5	ND	1	114	1	5	2	62	3.42	.106	3	42	2.50	23	.01	3	2.41	.02	.22	1	95
6 4356	2	71	19	149	.2	29	31	2267	7.94	14	5	ND	1	239	1	4	2	142	2.95	.103	5	46	3.35	44	.04	6	3.24	.03	.40	2	3
6 4357	1	111	13	148	.2	26	27	2032	7.89	15	5	ND	1	182	1	3	2	100	1.95	.113	4	41	3.23	37	.03	3	3.16	.03	.39	1	26
6 4358	2	48	15	111	.2	24	21	2175	5.95	9	9	ND	1	237	1	2	2	69	5.24	.119	4	37	2.33	43	.02	2	2.12	.02	.35	1	22
6 4359	1	77	9	138	.7	30	16	2192	6.61	3	21	ND	2	173	1	2	2	58	4.31	.102	4	61	2.55	40	.03	2	2.05	.03	1.84	1	15
6 4360	8	61	3	74	.2	18	16	1358	4.06	11	5	ND	1	187	1	2	2	15	3.91	.068	3	9	1.60	44	.01	11	.40	.03	.23	1	13
6 4361	1	59	11	103	.2	30	27	1820	6.46	11	5	ND	1	149	1	5	2	91	3.54	.100	5	46	3.04	36	.04	10	2.39	.05	.20	1	33
6 4362	1	375	15	137	.9	47	33	1686	9.47	33	5	ND	1	107	1	2	2	103	2.83	.102	4	87	3.77	26	.04	7	2.96	.04	.42	1	1020
6 4363	3	391	7	35	.5	19	15	724	3.77	53	5	ND	1	158	1	5	2	9	2.19	.057	2	6	.67	22	.01	6	.41	.03	.28	2	225
6 4364	2	26	12	82	.1	13	16	984	4.96	7	5	ND	1	192	1	2	2	42	2.91	.101	5	11	1.53	27	.04	4	1.53	.03	.48	1	195
6 4365	1	72	13	104	.2	11	21	1083	5.82	11	5	ND	1	63	1	2	2	101	1.32	.155	4	11	2.44	40	.11	8	2.31	.04	1.09	1	97
6 4366	5	156	10	72	.3	10	14	1000	4.57	12	5	ND	1	162	1	2	2	58	3.18	.132	8	9	1.45	41	.03	3	1.56	.03	.41	1	235
6 4367	1	207	14	86	.2	16	18	933	5.08	14	5	ND	1	134	1	3	2	88	2.00	.110	5	26	1.95	42	.05	2	1.82	.05	.61	1	150
6 4368	2	17	11	101	.2	18	17	1144	5.82	12	5	ND	1	193	1	2	2	96	1.91	.115	3	49	2.19	60	.07	4	2.17	.05	.55	2	129
6 4369	3	6	10	89	.1	18	15	928	5.24	12	5	ND	1	124	1	2	2	89	1.36	.108	2	46	2.08	41	.11	4	1.97	.05	.74	2	55
6 4370	2	15	12	89	.2	21	18	933	5.39	7	6	ND	1	255	1	2	2	79	1.79	.111	3	44	2.15	50	.06	10	1.96	.05	.49	1	59
6 4371	2	7	12	85	.2	16	19	903	5.02	11	5	ND	1	141	1	2	2	110	2.13	.142	3	24	2.05	39	.03	3	1.85	.05	.31	1	48
6 4372	1	5	8	73	.1	15	9	734	3.77	12	5	ND	1	96	1	3	2	110	2.17	.170	5	11	1.80	33	.02	11	1.66	.05	.25	1	19
STD C/AU-R	18	57	42	132	7.1	67	26	1029	4.07	39	21	7	38	49	17	13	20	55	.49	.087	36	56	.89	173	.08	32	1.88	.08	.12	13	495

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6 4373	3	6	10	88	.1	17	17	951	5.07	13	5	ND	1	91	1	2	2	124	2.07	.164	3	26	2.11	49	.07	2	1.99	.06	.54	1	35
6 4374	4	16	16	92	.1	17	22	1243	6.40	15	5	ND	1	273	1	2	2	92	2.67	.117	4	37	2.14	54	.03	7	1.99	.05	.29	1	60
6 4375	2	13	12	141	.1	24	23	1725	6.78	17	5	ND	1	108	1	2	2	106	2.61	.124	3	62	2.78	68	.11	6	2.86	.04	.97	1	81
6 4376	2	35	15	161	.1	36	38	2551	7.85	24	5	ND	1	162	1	2	2	162	3.96	.179	2	118	3.95	91	.15	4	3.81	.02	.98	2	104
6 4377	2	91	14	131	.1	21	59	1676	7.09	23	5	ND	1	283	1	2	2	89	3.30	.126	3	19	2.34	29	.09	2	2.61	.02	.69	1	295
6 4378	2	70	13	158	.1	17	26	2165	8.67	26	5	ND	1	156	1	2	2	139	3.35	.130	3	38	3.33	65	.13	2	3.47	.03	1.12	1	103
6 4379	1	34	15	110	.1	13	24	2317	6.40	18	5	ND	1	287	1	2	2	77	5.56	.128	3	17	2.75	51	.01	2	2.52	.02	.22	1	79
6 4380	2	191	18	109	.4	13	22	2661	7.03	18	5	ND	1	319	1	2	2	107	7.13	.114	3	17	2.58	67	.03	6	2.54	.02	.22	1	295
6 4395	2	145	15	168	.1	38	58	1881	10.30	47	5	ND	1	78	1	2	2	155	1.73	.120	2	36	4.07	32	.21	2	4.29	.05	1.77	1	165
6 4396	2	301	13	183	.1	36	50	2168	10.22	32	5	ND	1	127	1	2	2	146	2.82	.129	2	47	4.34	45	.11	2	4.35	.03	.90	1	150
STD C/AU-R	19	60	41	134	7.5	71	28	1066	4.10	42	20	8	39	50	19	17	23	57	.48	.092	38	61	.90	173	.08	40	1.89	.08	.12	13	485
6 4402	1	118	17	135	.2	59	37	2305	9.36	19	5	ND	1	164	1	2	2	109	4.63	.144	2	157	4.13	45	.06	2	3.06	.02	.68	1	150
6 4403	3	41	12	85	.1	19	22	1499	6.81	16	5	ND	1	211	1	2	2	82	4.09	.119	2	19	2.26	61	.03	2	1.68	.03	.44	1	175
6 4404	2	117	15	102	.2	38	35	1628	6.46	21	5	ND	1	326	1	2	2	101	4.29	.110	3	43	2.69	66	.06	2	2.81	.02	.30	1	88
6 4405	2	619	14	135	.5	31	31	1594	9.42	24	5	ND	1	131	1	3	2	157	1.58	.141	2	20	3.86	41	.22	2	4.20	.05	1.55	1	108
6 4406	1	262	14	107	.3	12	21	1530	6.93	26	5	ND	1	105	1	3	2	156	1.99	.126	2	18	3.18	71	.19	2	3.34	.04	1.34	1	67
6 4407	2	151	17	102	.3	14	25	1440	7.58	23	5	ND	1	204	1	4	2	129	2.36	.130	3	17	2.78	63	.12	2	2.89	.04	.70	1	68
6 4408	1	124	14	104	.1	13	17	1399	6.12	16	5	ND	1	97	1	2	2	133	2.03	.134	3	15	2.98	83	.15	5	2.97	.04	.77	1	98
6 4409	1	404	17	90	.3	12	23	1331	7.01	23	5	ND	1	145	1	4	2	133	2.01	.131	2	16	2.65	68	.19	3	2.81	.04	.64	2	235
6 4410	2	404	16	103	.4	15	35	1374	9.80	41	5	ND	1	137	1	2	2	148	1.75	.129	2	17	3.75	36	.20	2	3.79	.04	.77	1	205
6 4411	1	121	15	109	.1	16	27	1344	8.56	27	5	ND	1	89	1	2	2	174	1.30	.124	2	23	3.56	47	.23	2	3.73	.05	1.22	1	76
6 4412	1	239	13	126	.1	16	31	1334	8.75	26	5	ND	1	95	1	2	2	158	1.34	.136	2	17	3.72	37	.17	10	3.89	.04	1.54	1	70
6 4413	2	582	16	130	.6	14	27	1421	9.12	25	5	ND	1	184	1	2	2	135	1.83	.121	2	21	4.05	33	.08	2	3.99	.04	.78	8	83
6 4414	2	550	13	107	.4	21	31	1047	8.55	24	5	ND	1	77	1	2	2	114	1.67	.134	3	23	3.10	40	.06	7	3.02	.04	.78	1	103
6 4415	2	527	15	93	.5	47	34	1543	9.87	23	5	ND	1	249	1	3	2	123	3.27	.136	2	151	3.10	38	.07	2	2.74	.03	.43	1	315
6 4416	1	287	10	76	.2	28	20	1204	5.43	21	5	ND	1	103	1	2	2	103	2.18	.154	2	111	2.38	54	.16	5	2.19	.05	.87	1	165
6 4417	1	160	10	85	.1	18	18	1308	5.13	17	5	ND	1	150	1	2	2	116	1.52	.152	2	20	2.77	73	.18	2	2.59	.04	.78	1	67
6 4418	1	112	14	90	.1	22	15	1377	5.97	15	5	ND	1	86	1	2	2	122	1.40	.151	2	62	3.14	103	.20	7	3.11	.04	1.29	2	54
6 4419	2	140	13	94	.4	20	16	1290	6.03	15	5	ND	1	98	1	2	2	136	1.39	.153	3	18	3.15	130	.20	2	3.37	.05	1.41	1	49
6 4420	1	232	13	100	.2	18	18	1112	6.16	20	5	ND	1	90	1	2	2	131	1.15	.154	2	16	2.92	92	.19	2	3.38	.05	1.56	1	46
6 4421	2	195	12	118	.3	16	33	1024	7.37	19	5	ND	1	187	1	2	2	80	1.93	.149	5	8	2.71	57	.02	7	2.95	.04	.33	1	71
6 4422	4	79	11	81	.1	19	14	1159	5.52	15	5	ND	1	160	1	2	2	114	2.91	.126	2	56	2.42	99	.13	2	2.70	.04	1.28	1	111
6 4423	2	233	14	102	.2	23	28	1219	7.09	19	5	ND	1	181	1	2	2	127	2.62	.135	3	72	2.84	53	.11	2	2.87	.04	1.37	1	205
6 4424	2	320	12	81	.4	17	30	857	9.21	34	5	ND	1	82	1	2	2	130	2.17	.136	4	25	3.36	33	.11	2	3.61	.05	1.49	1	445
6 4425	2	108	16	128	.1	17	37	1511	9.26	32	5	ND	1	76	1	2	2	105	2.83	.140	4	25	3.44	44	.05	2	3.33	.03	.69	1	245
6 4426	4	525	27	64	2.7	17	57	658	15.19	42	5	2	1	80	1	2	2	68	2.53	.076	3	18	2.14	11	.02	2	1.40	.03	.29	2	2420
6 4427	5	143	27	59	.8	10	12	797	5.92	25	5	ND	1	156	1	2	2	32	5.96	.068	6	16	2.52	45	.01	2	.86	.02	.18	1	385

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AUR
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
6 4428	2	180	14	64	.3	20	15	604	6.72	14	5	ND	2	137	1	2	2	73	2.33	.108	5	67	2.25	29	.09	2	2.39	.04	.97	1	141
6 4429	3	262	13	52	.4	22	22	471	7.94	15	5	ND	2	251	1	2	2	67	2.04	.094	4	61	2.14	18	.06	2	2.05	.03	.69	1	225
6 4430	1	117	14	59	.4	19	17	589	6.66	11	5	ND	2	184	1	2	2	60	2.46	.102	5	54	2.25	33	.04	2	2.11	.04	.41	1	124
6 4431	1	4	17	137	.2	40	17	2510	4.43	5	7	ND	1	375	1	2	2	82	9.72	.121	5	151	2.75	28	.01	8	2.02	.01	.13	1	11
6 4432	1	2	11	113	.1	33	18	2683	4.26	9	5	ND	1	7281	1	7	2	59	10.80	.064	4	62	4.55	278	.03	2	.78	.04	.47	1	4
6 4433	1	230	13	176	.6	15	31	2423	5.17	14	5	ND	1	137	1	2	2	37	4.11	.107	2	11	1.73	40	.01	13	1.52	.02	.34	1	56
6 4434	1	305	18	237	.6	16	22	2742	6.41	21	5	ND	1	189	1	2	2	50	3.93	.117	2	14	2.24	96	.02	2	1.88	.03	.40	1	37
6 4435	2	2192	14	174	4.5	11	43	2751	6.03	176	5	ND	1	90	1	6	2	22	5.06	.108	2	5	1.83	20	.01	2	.62	.03	.34	1	126
6 4436	1	733	14	190	1.5	10	29	2829	5.48	18	5	ND	1	104	1	2	2	29	4.78	.118	2	5	1.89	59	.02	2	1.05	.02	.42	1	59
6 4437	2	234	18	188	.7	13	53	2876	7.08	31	5	ND	1	67	1	2	2	22	4.20	.117	2	6	2.14	20	.01	9	.56	.02	.40	1	62
6 4438	2	86	15	141	.8	13	48	3100	6.69	14	5	ND	1	81	1	2	2	18	5.51	.117	2	5	1.82	28	.01	2	.49	.01	.36	1	92
6 4439	1	92	10	118	.1	11	13	2733	4.00	27	5	ND	1	122	1	4	2	15	7.22	.075	4	3	2.19	175	.01	11	.45	.01	.35	1	11
6 4440	6	9	11	107	.2	8	14	3170	3.79	7	5	ND	1	116	1	2	2	21	7.38	.095	3	5	1.55	47	.03	2	.66	.01	.48	1	12
6 4441	1	30	19	137	.5	12	42	2919	6.45	17	5	ND	2	34	1	2	2	41	2.22	.123	8	9	1.12	28	.05	2	.88	.02	.53	1	56
6 4442	1	32	9	84	.1	7	6	2499	3.42	3	5	ND	2	41	1	2	2	29	2.61	.103	9	3	.93	178	.02	2	.61	.02	.38	1	5
6 4443	2	36	13	107	.4	12	28	2533	5.30	18	5	ND	1	52	1	2	2	32	3.05	.105	3	14	1.26	43	.01	2	.48	.02	.24	1	79
6 4444	1	5	9	112	.1	21	16	3280	5.31	8	5	ND	1	61	1	2	2	55	2.47	.157	7	16	1.02	131	.02	2	.69	.02	.35	1	19
6 4445	2	7	13	100	.1	27	31	2417	4.54	33	5	ND	1	71	1	2	2	56	1.74	.156	6	18	.73	79	.02	13	.70	.03	.33	1	44
6 4446	1	15	20	55	.3	81	74	1387	4.36	94	5	ND	1	90	1	2	2	53	1.08	.191	5	16	.42	33	.03	4	.85	.02	.37	1	55
6 4447	3	48	19	69	.5	64	54	3227	5.32	80	5	ND	2	92	1	2	2	72	1.40	.205	10	18	.61	50	.02	5	.67	.02	.34	2	45
6 4448	1	5	10	101	.1	16	19	2496	4.80	12	5	ND	1	102	1	2	2	48	.93	.142	7	6	.52	93	.02	2	.60	.02	.27	1	14
6 4449	3	7	17	118	.2	29	25	2271	4.89	32	5	ND	3	86	1	2	2	75	1.32	.195	9	3	1.22	112	.12	17	1.59	.03	1.11	1	24
6 4450	2	23	17	67	.1	42	32	1506	3.83	24	5	ND	1	92	1	2	2	52	.96	.143	7	6	.55	68	.05	10	.91	.02	.55	1	35
6 4451	4	117	30	147	1.0	14	47	3862	7.99	41	5	ND	2	112	1	2	2	60	2.07	.119	10	13	.80	43	.03	2	.76	.03	.41	2	240
6 4452	2	1157	22	155	1.2	14	14	3268	4.21	15	5	ND	2	133	1	4	2	63	7.05	.107	5	12	1.87	102	.05	2	2.36	.01	.47	1	48
6 4453	10	1273	25	160	3.1	12	23	2921	3.91	33	5	ND	1	92	1	2	2	23	3.89	.043	2	7	1.26	47	.04	3	1.50	.02	.47	1	360
6 4454	1	145	13	125	.4	5	10	1994	3.87	17	5	ND	2	188	1	2	2	45	4.07	.147	9	3	.73	146	.01	3	.56	.02	.24	1	6
6 4455	1	140	12	89	.2	5	8	1655	3.18	17	5	ND	2	173	1	2	2	37	3.53	.160	8	3	.84	114	.02	2	.68	.03	.33	1	18
6 4456	1	47	19	180	.1	7	10	3683	4.38	9	5	ND	1	269	1	2	3	31	14.42	.060	6	3	4.05	150	.01	2	.46	.01	.19	1	4
6 4457	1	32	12	115	.1	6	7	2347	3.41	6	5	ND	1	233	1	2	2	25	7.79	.100	6	2	2.56	419	.01	5	.64	.03	.38	1	6
6 4458	1	38	17	130	.2	8	8	2865	4.41	15	5	ND	2	217	1	3	2	78	7.49	.107	10	10	1.74	35	.01	4	.86	.03	.15	1	3
6 4459	1	161	11	133	.3	14	11	2462	5.09	17	5	ND	2	325	1	2	2	63	3.42	.137	9	20	.62	70	.01	2	.63	.03	.17	1	14
6 4460	2	116	11	126	.6	17	12	2583	5.05	10	5	ND	2	210	1	2	2	46	4.20	.123	7	21	1.26	112	.01	2	.54	.03	.23	1	315
6 4461	1	176	11	114	.3	26	14	1990	3.42	23	5	ND	2	187	1	2	2	18	3.98	.083	8	18	1.42	317	.01	8	.43	.03	.22	1	245
6 4462	1	82	8	67	.1	18	5	1527	2.04	29	5	ND	2	169	1	6	2	11	3.71	.074	8	6	1.20	392	.01	3	.49	.02	.27	1	10
6 4463	5	58	12	80	2.1	11	14	2177	3.42	20	5	ND	2	149	1	3	2	19	4.68	.085	8	3	1.57	127	.01	2	.52	.02	.33	1	2950
STD C/AU-R	18	58	43	132	7.0	67	26	1028	3.97	38	23	7	36	48	17	15	20	55	.48	.087	36	57	.87	175	.08	31	1.83	.07	.12	11	505

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUM
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6 4464	1	9	4	120	.1	18	7	2032	3.00	8	5	ND	1	156	1	2	2	58	9.34	.042	5	23	3.72	151	.02	2	.52	.05	.23	1	65
6 4465	1	28	5	66	.1	17	4	1201	1.92	7	5	ND	2	203	1	2	2	34	2.86	.075	7	31	.44	32	.01	2	.47	.05	.11	1	2
6 4466	2	16	9	180	.1	11	12	2549	4.15	15	5	ND	1	148	1	2	2	55	6.90	.122	8	7	1.67	118	.01	8	.61	.03	.21	1	18
6 4467	5	208	12	1232	.4	9	13	2846	3.55	37	5	ND	1	137	5	3	2	32	8.81	.086	4	3	3.08	120	.01	2	.57	.05	.29	1	169
6 4468	3	231	15	262	.7	11	18	3153	5.40	53	5	ND	2	196	1	2	2	44	6.23	.120	7	6	1.49	89	.04	3	.95	.04	.46	1	225
6 4469	5	646	42	590	2.9	8	59	2721	11.10	40	5	4	2	117	3	2	2	58	2.36	.092	2	12	2.14	33	.13	8	2.34	.05	.52	2	6110
6 4470	2	105	18	158	.7	8	22	1810	4.93	33	5	5	1	85	1	2	2	44	1.64	.115	4	6	2.10	78	.09	6	2.33	.04	.71	1	5560
6 4471	4	1225	25	152	2.6	7	29	1463	4.74	73	5	3	2	106	1	2	2	41	1.93	.109	3	5	1.39	52	.06	2	1.63	.04	.32	1	3880
6 4472	2	234	22	99	.5	6	25	1176	4.47	30	5	ND	1	61	1	2	2	56	1.37	.108	3	4	1.42	74	.12	6	1.68	.04	.85	10	1225
6 4473	1	81	10	99	.2	7	12	1287	4.25	18	5	ND	2	62	1	2	2	64	1.29	.115	4	6	1.66	101	.13	5	1.97	.06	1.02	1	152
6 4474	7	1688	40	102	8.6	5	33	1084	11.30	152	5	10	2	64	1	2	2	27	1.76	.060	7	1	.81	21	.05	2	1.02	.04	.58	2	15490
6 4475	16	149	25	71	.5	10	16	1703	3.78	24	5	ND	1	110	1	2	2	18	4.35	.114	4	5	1.43	83	.01	6	.44	.03	.30	1	275
6 4476	90	43	221	37	7.2	7	12	953	3.42	10	5	8	1	164	1	2	10	6	2.91	.048	2	2	.97	29	.01	2	.10	.02	.07	1	8980
6 4477	5	71	22	63	.6	5	13	1801	3.94	12	5	ND	1	97	1	2	2	23	4.71	.114	4	2	1.55	186	.01	8	.46	.03	.18	2	640
6 4478	5	31	15	119	.2	16	13	2539	4.27	16	5	ND	1	126	1	2	2	23	8.75	.082	4	2	2.83	271	.01	2	.40	.01	.17	1	195
STD C/AU-R	19	59	38	132	7.2	68	27	1035	4.05	41	20	8	39	50	18	17	18	56	.48	.090	37	58	.89	178	.08	37	1.89	.08	.12	12	495

GEOCHEMICAL ICP ANALYSIS

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

- SAMPLE TYPE: Core AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED:

DATE REPORT MAILED:

ASSAYER: *D. Lopez* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-0721 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	V	RU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
6 4479	1	107	18	105	.5	10	22	1301	4.56	24	5	ND	1	92	1	2	2	91	2.07	.161	2	10	2.27	76	.15	6	2.26	.06	.41	1	24
6 4480	1	77	20	85	.3	11	30	1189	4.70	21	5	ND	1	88	1	4	2	86	2.03	.139	2	10	1.87	61	.12	2	1.88	.05	.21	1	120
6 4481	2	31	16	86	.4	10	51	1271	5.48	22	5	ND	1	92	1	3	2	80	3.01	.142	3	20	1.75	50	.09	2	1.89	.03	.33	1	315
6 4482	1	11	15	66	.2	4	25	1556	4.69	21	5	ND	1	197	1	2	2	83	6.30	.133	5	16	1.27	80	.04	3	1.60	.02	.33	1	195
6 4483	2	296	12	83	.7	8	29	1151	6.61	26	5	ND	1	125	1	2	2	83	3.09	.144	4	5	1.48	43	.06	2	1.74	.04	.36	1	335
6 4484	1	107	13	63	.5	11	28	1102	5.94	20	6	ND	1	116	1	2	2	87	3.33	.151	8	8	1.25	38	.05	13	1.51	.04	.29	2	650
6 4485	2	59	12	78	.4	10	23	1649	5.65	15	5	ND	1	298	1	2	2	90	4.91	.133	4	7	1.59	53	.12	10	1.80	.04	.96	16	340
6 4486	2	277	16	129	1.4	15	47	1956	8.05	31	5	13	1	221	1	2	2	103	4.31	.141	4	19	2.81	35	.02	2	2.68	.02	.24	1	10920
6 4487	1	270	12	95	.4	9	18	1516	6.06	23	5	ND	1	245	1	2	2	94	3.37	.149	5	10	2.05	162	.01	2	2.16	.03	.32	1	150
6 4488	3	499	18	115	1.5	15	40	1905	11.97	25	7	2	2	56	1	2	2	102	1.52	.107	7	25	2.47	13	.01	9	2.26	.04	.14	1	2110
6 4489	3	310	13	94	.7	6	19	964	6.71	24	5	ND	2	84	1	2	2	97	1.32	.126	4	5	2.26	32	.01	2	2.01	.04	.15	1	415
6 4490	2	492	12	99	1.0	15	25	1391	8.59	28	5	ND	1	163	1	2	2	103	2.85	.112	3	23	2.44	22	.01	2	2.27	.04	.14	1	450
6 4491	1	827	13	88	1.3	17	19	2650	7.23	21	5	ND	1	601	1	2	2	89	6.94	.094	4	22	1.91	72	.07	7	2.18	.02	.73	1	720
6 4492	2	55	15	103	.9	26	42	2577	7.81	26	5	ND	1	1550	1	2	2	114	6.40	.090	4	37	2.40	46	.15	10	2.71	.03	1.23	1	320
6 4493	1	15	11	109	.3	24	19	2441	6.96	18	5	ND	1	347	1	2	2	97	5.84	.103	4	32	2.51	139	.06	2	2.56	.02	.68	1	97
6 4494	1	10	12	94	.3	21	22	2924	7.42	19	5	ND	1	185	1	5	2	44	8.95	.107	2	15	2.56	130	.02	5	.76	.01	.48	1	51
6 4495	1	126	17	83	.3	15	19	3086	5.86	22	5	ND	1	199	1	6	2	49	12.08	.078	4	15	1.99	137	.01	6	.55	.01	.32	14	29
6 4496	2	19	22	109	.4	27	17	2907	6.74	21	5	ND	1	154	1	8	2	61	6.67	.094	3	37	2.80	62	.01	8	1.49	.01	.37	3	68
6 4497	11	148	41	101	.5	17	17	3359	5.37	19	5	ND	1	281	1	3	2	62	11.52	.074	3	21	1.80	152	.01	2	.70	.01	.26	3	93
6 4498	1	90	11	114	.6	33	28	1868	6.68	24	5	ND	1	189	1	2	2	114	4.39	.111	4	54	2.44	66	.03	2	2.62	.03	.35	1	92
6 4499	3	246	13	75	2.2	21	35	1088	7.02	25	5	31	1	98	1	2	2	76	2.16	.072	3	32	1.44	39	.07	2	1.54	.03	.21	1	32600
6 4500	2	292	10	236	.7	34	53	2346	11.87	28	5	ND	1	89	1	2	2	129	2.02	.113	3	66	4.99	52	.10	2	5.11	.07	.92	1	550
6 4501	3	724	9	90	.8	43	19	1647	6.35	20	5	ND	1	304	1	3	2	101	3.05	.077	3	45	2.12	72	.12	3	2.09	.03	.28	1	840
6 4502	1	463	13	100	.7	45	26	2431	8.08	33	5	ND	1	174	1	4	2	165	2.41	.109	2	85	4.18	77	.24	2	4.00	.04	1.05	1	195
6 4503	2	371	12	151	.8	47	28	2806	8.08	32	5	ND	1	129	1	5	2	174	3.85	.110	2	91	4.19	89	.19	2	4.00	.03	.95	1	104
6 4504	2	646	16	98	1.1	37	26	1939	8.61	27	5	ND	1	110	1	2	2	84	3.79	.120	2	46	1.7	79	.06	2	1.95	.07	.51	1	295
6 4505	2	494	14	130	.7	29	28	1733	7.67	28	5	ND	1	81	1	2	2	97	1.43	.122	2	45	3.06	59	.15	2	2.98	.04	.60	1	210
6 4506	4	2189	30	97	7.6	26	21	1650	13.83	18	9	7	1	176	1	2	2	107	4.75	.079	1	36	1.56	40	.10	5	1.63	.02	.71	1	4200
6 4507	2	1003	13	134	1.6	33	29	1811	9.22	20	5	ND	1	116	1	2	2	98	2.94	.099	2	49	2.71	98	.20	2	3.01	.03	.93	1	285
6 4508	1	77	8	116	.3	24	34	1911	7.02	24	5	ND	1	86	1	2	2	53	3.59	.127	3	29	1.45	84	.02	2	1.92	.07	.46	1	108
6 4509	1	62	12	140	.4	34	36	1960	6.80	21	7	ND	1	238	1	4	2	91	3.47	.108	3	41	2.20	62	.11	3	2.55	.07	.73	1	123
6 4510	1	23	14	186	.4	35	35	2245	7.07	24	5	ND	1	193	1	2	2	115	2.71	.119	2	56	2.09	86	.20	2	3.14	.04	.67	1	74
6 4511	1	34	12	181	.2	34	29	2041	6.37	22	5	ND	1	94	1	2	2	113	2.48	.109	2	48	2.99	107	.20	2	3.15	.04	.82	2	45
6 4512	1	167	15	229	.5	47	42	2317	8.77	25	5	ND	1	65	1	3	2	141	2.19	.113	2	78	3.87	73	.25	2	3.86	.04	1.21	1	89
6 4513	1	35	15	162	.4	34	25	2045	6.32	17	5	ND	1	123	1	2	2	123	2.69	.108	2	54	3.15	114	.21	2	3.21	.04	.99	2	67
6 4514	3	270	18	140	.6	39	54	1517	7.17	26	5	ND	1	97	1	2	2	93	1.79	.108	2	43	2.66	41	.21	2	1.92	.04	1.15	5	350
STD C/AU-R	18	59	41	132	7.4	70	28	1062	4.05	40	24	8	39	51	18	18	21	58	.48	.091	38	60	.89	181	.07	36	1.86	.06	.15	12	505

IMPERIAL METALS PROJECT-4117 FILE # B7-3973

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TM 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	HUI PPM
b 4515	2	96	14	175	.3	44	32	1907	6.82	21	5	ND	1	279	1	2	2	115	3.23	.122	2	71	3.38	78	.21	2	3.47	.03	1.44	2	225
b 4516	3	24	14	115	.1	51	38	1497	7.14	19	5	ND	1	76	1	2	2	107	1.14	.128	2	78	3.01	67	.25	2	2.90	.05	1.18	1	75
b 4517	1	64	12	69	.2	31	20	1174	4.17	18	5	ND	1	110	1	2	2	77	1.42	.115	2	41	1.91	39	.21	3	1.76	.05	.25	2	51
b 4518	1	416	12	94	.4	44	25	1538	5.04	19	5	ND	1	95	1	2	2	100	1.51	.117	2	73	2.65	62	.25	15	2.32	.05	.71	1	245
b 4519	1	38	12	105	.1	32	19	1814	5.27	19	5	ND	1	111	1	5	2	104	1.90	.116	2	48	2.92	62	.23	2	2.52	.04	.49	1	107
b 4520	1	131	13	100	.1	29	25	2030	5.64	14	5	ND	1	95	1	2	2	122	1.74	.103	2	52	3.17	60	.18	2	2.80	.05	1.04	1	450
b 4521	1	653	15	119	.8	40	22	2355	8.94	26	5	ND	1	71	1	2	2	171	2.58	.106	2	87	4.09	65	.24	9	3.49	.04	.81	2	115
b 4522	1	781	16	127	1.9	30	55	1728	14.64	41	5	ND	2	48	1	2	2	169	1.65	.096	2	54	4.90	19	.16	4	4.49	.04	1.54	2	750
b 4523	1	289	20	142	.8	38	46	1504	10.77	33	5	ND	1	58	1	2	3	140	1.61	.116	3	85	4.21	44	.05	4	3.66	.04	.52	3	150
b 4524	3	232	20	118	.6	22	50	1882	10.00	30	5	ND	1	105	1	2	2	113	3.26	.087	2	28	3.43	45	.10	5	3.16	.02	.59	2	985
b 4525	4	124	16	109	.3	20	34	1852	7.90	24	5	ND	1	699	1	2	2	109	4.57	.099	3	44	2.75	32	.00	2	2.64	.03	.45	2	750
b 4526	2	169	15	127	.3	22	39	1403	4.23	25	5	ND	1	43	1	2	2	137	1.98	.106	2	40	3.80	29	.24	5	2.72	.04	1.73	2	295
b 4527	1	603	20	127	.9	19	26	1537	8.41	24	5	ND	1	63	1	2	2	143	2.21	.116	2	20	3.76	42	.26	2	2.44	.04	1.47	1	295
b 4528	1	52	12	128	.1	21	19	1350	6.21	19	5	ND	1	66	1	2	2	120	1.55	.126	2	28	3.31	81	.26	8	3.06	.02	1.21	1	47
b 4529	1	50	16	107	.2	21	32	1293	8.03	25	5	ND	1	105	1	2	2	129	1.85	.116	2	39	3.20	43	.26	2	2.95	.04	1.17	1	68
b 4530	2	18	12	104	.1	14	31	1198	7.67	20	5	ND	1	72	1	2	2	122	1.22	.115	2	31	3.04	49	.25	6	2.76	.04	.86	2	185
b 4531	1	24	11	113	.1	19	19	1803	6.58	24	5	ND	1	134	1	2	2	130	2.24	.116	2	29	3.34	86	.24	22	3.20	.04	.87	2	225
b 4532	1	19	11	111	.1	26	21	1819	6.38	29	5	ND	1	97	1	2	2	116	1.72	.141	2	47	3.21	95	.22	2	2.93	.04	.95	2	77
b 4533	1	47	10	100	.2	17	18	1664	5.70	21	5	ND	1	139	1	2	2	111	1.90	.113	2	26	2.86	91	.25	2	2.72	.04	.82	1	165
b 4534	1	28	11	113	.2	19	20	1812	5.70	24	5	ND	1	126	1	2	2	116	1.64	.115	2	24	3.23	92	.26	15	2.88	.05	.83	2	47
b 4535	1	89	12	98	.4	23	31	1636	6.25	21	5	ND	1	103	1	2	2	130	1.83	.104	2	32	2.59	53	.28	2	2.30	.06	.47	1	245
b 4536	3	49	16	73	.2	16	21	1313	4.76	23	5	ND	1	134	1	2	2	88	2.26	.106	2	22	1.82	52	.25	6	1.76	.04	.71	1	129
b 4537	1	27	14	113	.2	20	24	1824	6.08	22	5	ND	1	98	1	2	2	109	1.96	.109	2	27	2.96	64	.27	2	2.52	.04	.52	2	153
b 4538	1	65	14	131	.1	21	24	2971	6.92	26	5	ND	1	111	1	2	2	138	2.11	.113	2	22	3.62	70	.27	2	2.98	.04	.64	1	150
b 4539	1	95	14	161	.1	25	37	2106	8.53	33	5	ND	1	75	1	5	2	173	1.52	.111	2	37	4.46	65	.31	2	3.63	.03	.68	2	160
b 4540	1	41	15	123	.1	18	26	1698	6.81	27	5	ND	1	83	1	2	2	135	2.07	.112	2	21	3.67	67	.24	13	3.14	.04	.51	1	98
b 4541	1	197	14	84	.5	21	26	1620	7.92	22	5	ND	1	168	1	2	2	123	4.24	.097	2	41	2.47	45	.21	2	2.07	.04	.35	4	175
b 4542	1	257	17	84	.4	16	34	1029	7.81	26	5	ND	1	104	1	2	2	127	1.42	.102	2	19	3.11	36	.27	2	2.61	.05	.92	2	195
b 4543	1	159	13	88	.2	21	21	1097	6.59	27	5	ND	1	89	1	2	2	111	1.70	.113	2	21	2.60	54	.26	2	2.23	.06	.56	1	106
b 4544	1	167	12	86	.3	19	22	1100	5.95	20	5	ND	1	85	1	2	2	97	1.67	.108	2	19	2.32	58	.24	6	2.06	.06	.55	2	129
b 4545	1	124	13	121	.2	17	13	1521	5.84	22	5	ND	1	108	1	3	2	111	1.53	.115	2	34	3.16	80	.26	2	2.80	.05	.67	2	76
b 4546	1	251	15	125	.5	18	22	1674	7.21	24	5	ND	1	171	1	2	2	121	2.24	.108	2	22	3.26	64	.22	5	2.96	.02	.52	1	54
b 4547	1	409	14	88	1.3	16	33	1202	8.85	27	5	ND	1	254	1	2	2	89	2.33	.104	2	17	2.05	48	.20	4	2.00	.04	.56	3	1040
b 4548	1	60	14	114	.3	17	16	1519	6.46	21	5	ND	1	176	1	3	2	102	1.64	.117	2	25	3.05	86	.24	14	2.76	.02	.65	2	87
b 4549	2	119	11	100	.4	14	18	1612	6.56	18	5	ND	1	271	1	2	2	105	4.39	.106	2	17	2.56	71	.21	2	2.41	.02	.115	2	293
b 4550	2	237	12	112	.4	14	23	1596	7.27	28	5	ND	1	185	1	2	2	120	2.35	.111	2	19	2.99	74	.16	4	2.79	.04	1.21	1	107
STD L-100-R	19	58	28	131	7.3	68	28	1047	4.04	41	24	8	38	50	18	17	21	57	.51	.090	37	69	.95	177	.08	34	1.88	.07	.14	17	493

IMPERIAL METALS PROJECT-4117 FILE # B7-3976

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	Fe	AS	V	RU	TH	SR	CD	SB	BI	V	(CA)	P	LA	CR	(AG)	BA	TI	B	(AL)	NA	K	M	MOI
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	2	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	2	2	PPM	PPM	2	PPM	2	PPM	2	2	2	PPM	PPM
6 4551	1	129	16	67	.1	17	21	1062	6.81	29	5	ND	1	172	1	2	2	86	2.14	.170	2	6	1.47	49	.15	3	1.54	.04	.35	1	540
6 4552	2	95	11	81	.1	17	21	1244	5.48	25	5	ND	1	113	1	2	2	94	1.91	.141	2	21	2.08	56	.20	2	2.01	.05	.58	1	121
6 4553	1	148	12	97	.1	11	18	1404	4.95	20	5	ND	1	99	1	2	2	97	2.23	.145	2	4	2.35	54	.22	2	2.28	.06	.53	1	94
6 4554	1	203	12	101	.1	10	15	1558	5.29	21	5	ND	1	113	1	2	2	108	2.58	.148	3	1	2.69	49	.18	2	2.46	.05	.29	1	52
6 4555	1	144	11	88	.3	6	15	1344	5.91	23	5	ND	1	105	1	2	2	77	3.38	.168	3	1	1.89	79	.14	5	1.97	.04	.60	1	81
6 4556	1	255	12	197	.1	5	14	1267	6.50	24	5	ND	1	104	1	2	2	100	1.99	.194	4	16	1.92	55	.11	11	1.94	.04	.39	1	119
6 4557	1	144	16	99	.1	5	14	1053	6.15	26	5	ND	1	120	1	2	2	85	1.91	.189	4	4	1.40	47	.11	3	1.42	.04	.30	1	87
6 4558	1	371	12	94	.3	6	17	1110	7.33	23	5	ND	1	143	1	2	2	90	1.50	.166	4	6	1.85	38	.09	2	1.82	.04	.49	1	240
6 4559	1	55	15	85	.1	5	17	928	6.18	31	5	ND	1	52	1	2	2	79	1.06	.176	3	3	1.69	45	.08	3	1.72	.04	.54	1	82
6 4560	2	109	11	91	.2	8	17	943	7.59	25	5	ND	1	901	1	2	2	79	1.38	.166	3	10	1.51	32	.09	2	1.65	.05	.59	1	280
6 4561	1	25	10	72	.1	5	14	740	5.87	37	5	ND	1	117	1	2	2	61	1.67	.151	5	3	1.28	20	.03	2	1.22	.04	.40	1	132
6 4562	1	20	14	78	.1	10	17	997	6.83	30	5	ND	1	202	1	2	2	47	2.05	.158	4	5	1.31	22	.01	6	1.99	.04	.31	1	113
6 4563	5	27	12	80	.1	10	21	1067	7.44	27	5	ND	1	151	1	2	2	81	2.59	.179	4	2	1.56	30	.02	2	1.43	.04	.26	2	97
6 4564	2	28	8	64	.2	6	17	910	7.04	30	5	ND	1	255	1	2	2	73	2.69	.164	5	3	1.15	20	.02	2	1.23	.04	.26	1	101
6 4565	29	352	17	42	.6	9	22	1570	11.73	20	5	ND	1	237	1	2	2	56	4.21	.112	3	4	.75	18	.01	2	.71	.03	.14	2	870
6 4566	4	45	10	71	.1	6	13	960	6.45	26	5	ND	1	241	1	2	2	92	2.58	.184	7	5	1.60	40	.04	2	1.55	.04	.48	1	122
6 4567	1	319	16	82	.4	6	16	961	8.40	31	5	ND	1	163	1	2	2	81	2.76	.174	10	4	1.96	38	.05	2	1.97	.04	.57	1	230
6 4568	1	2646	19	82	4.8	14	34	951	18.75	39	5	12	2	143	1	2	2	67	2.05	.085	3	4	1.66	18	.02	2	1.66	.04	.35	1	9690
6 4569	2	368	17	93	1.0	14	43	958	11.74	44	5	ND	1	109	1	2	2	81	1.60	.169	4	22	2.18	29	.11	6	2.48	.04	1.21	1	460
6 4570	2	85	16	74	.3	8	26	1211	8.17	26	5	ND	1	261	1	2	2	52	3.50	.157	6	5	1.71	28	.01	4	1.42	.03	.22	1	290
6 4571	1	432	15	112	.6	10	25	1499	8.07	29	5	ND	1	356	1	2	2	96	3.60	.162	10	31	2.82	54	.10	2	2.71	.03	1.09	3	173
6 4572	1	629	16	94	1.0	13	49	1206	10.17	38	5	ND	1	76	1	2	2	63	2.62	.175	6	10	1.63	37	.05	2	1.74	.03	.59	1	290
6 4573	1	1151	17	78	1.5	10	22	915	7.99	29	5	ND	1	69	1	2	2	77	2.15	.198	11	6	1.09	34	.04	2	1.49	.03	.52	1	880
6 4574	1	3762	17	108	3.8	12	21	1224	9.00	25	5	ND	1	88	1	2	2	83	2.94	.173	11	21	1.75	36	.05	5	1.81	.04	.63	1	1010
6 4575	1	475	16	81	.5	12	14	985	5.94	21	5	ND	2	82	1	2	2	93	2.16	.184	10	31	1.91	56	.04	6	1.94	.04	.59	1	119
6 4576	1	401	16	80	.5	7	12	1089	5.30	25	5	ND	1	149	1	2	2	87	2.41	.182	5	8	1.89	67	.06	4	1.81	.04	.55	1	121
6 4577	2	273	11	116	.3	10	23	1531	7.94	67	5	ND	1	108	1	54	2	33	3.64	.156	5	18	2.28	24	.01	7	1.67	.02	.41	1	131
6 4578	1	512	13	108	.6	13	20	1302	7.64	160	5	ND	1	96	1	10	2	26	3.03	.159	4	9	2.00	16	.01	4	.55	.03	.36	1	142
6 4579	1	420	11	107	.5	8	17	1741	6.00	57	5	ND	1	151	1	4	2	25	3.42	.136	4	1	2.15	24	.01	9	1.45	.03	.27	1	520
6 4580	1	189	12	81	.3	6	16	1066	6.16	33	5	ND	1	64	1	2	2	64	2.06	.149	6	5	1.89	30	.08	3	1.38	.04	.89	1	160
6 4581	12	1180	21	181	1.7	29	22	1267	11.61	254	5	ND	1	78	1	218	2	56	2.46	.092	4	29	2.78	21	.01	12	1.67	.03	.40	1	505
6 4582	1	159	16	117	.6	49	40	1839	9.22	25	5	ND	2	92	1	2	2	86	3.70	.167	9	111	2.92	35	.04	20	1.87	.02	.46	1	1150
6 4583	1	1065	20	126	1.1	22	25	1506	8.88	51	5	ND	1	77	1	2	2	67	2.66	.108	5	49	2.87	37	.03	2	1.86	.05	.44	1	870
6 4584	1	2714	22	57	15.0	24	18	468	20.66	207	5	99	2	66	1	7	2	18	1.47	.061	2	3	.55	11	.01	2	1.46	.02	.26	1	9300
6 4585	13	708	27	57	3.2	13	15	658	14.38	202	5	ND	1	73	1	44	2	17	2.31	.072	2	1	1.42	6	.01	9	.36	.03	.21	1	1780
6 4586	1	1084	17	117	9.6	19	15	795	11.79	826	5	17	1	67	1	93	2	41	1.66	.074	4	11	1.96	9	.01	4	1.41	.04	.21	11	15270
S10 C/HD-R	18	60	42	128	6.9	67	27	1918	3.97	40	16	8	17	49	18	17	21	56	.47	.088	37	57	.88	176	.98	27	1.84	.08	.33	13	510

IMPERIAL METALS PROJECT-4117 FILE # 87-3972

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	AU1 PPM
6 4587	75	2551	52	92	23.0	26	27	563	19.33	622	5	27	1	29	1	407	2	20	1.04	.046	2	7	.94	4	.01	3	.19	.02	.17	1	39500
6 4588	2	101	10	100	.3	22	27	1559	7.74	46	5	ND	1	68	1	9	2	57	2.34	.098	2	18	2.38	19	.02	5	.83	.03	.59	1	265
6 4589	3	273	12	101	.4	16	24	1637	5.77	22	5	ND	1	185	1	2	2	39	4.35	.098	4	9	2.12	32	.01	2	1.03	.02	.28	1	175
6 4590	3	93	12	119	.2	19	32	1390	7.06	15	5	ND	1	106	1	2	2	114	2.49	.109	4	24	2.47	42	.08	2	2.36	.05	.66	1	35
6 4591	10	273	14	94	.5	17	26	1208	6.25	18	5	ND	1	179	1	2	2	84	2.99	.099	4	20	2.04	31	.04	2	1.81	.03	.49	1	57
6 4592	3	167	11	76	.2	17	19	1078	5.15	16	5	ND	2	143	1	2	2	69	3.50	.111	5	27	1.54	37	.02	2	1.36	.04	.37	1	34
6 4593	3	1093	14	112	1.0	15	18	1158	5.22	13	5	ND	1	713	1	5	2	80	3.01	.106	3	26	2.11	77	.08	2	2.13	.04	.61	1	60
6 4594	4	606	10	96	.6	28	19	1302	5.17	23	5	ND	1	402	1	2	2	97	3.72	.119	4	55	1.98	96	.05	2	1.75	.03	.63	1	90
STD C/AU-R	18	57	40	134	7.4	66	27	1044	3.96	41	20	7	38	49	18	17	24	56	.47	.089	37	60	.87	177	.08	37	1.82	.08	.14	12	480

SAMPLE#	PERI										IETA				ORP				JEC				17				E #				-173				Fac
	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUX				
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM			
6 4595	3	48	3	139	.2	22	23	3138	6.51	9	5	ND	1	229	1	2	2	49	9.83	.058	5	9	4.19	134	.01	4	.30	.01	.21	1	12				
6 4596	2	362	4	111	1.9	18	33	1991	6.35	20	8	ND	2	137	1	4	2	44	5.84	.094	7	8	2.51	62	.01	8	.46	.01	.34	1	24				
6 4597	7	31	8	51	.3	15	41	1360	4.51	13	5	ND	1	165	1	2	3	15	4.27	.059	2	3	1.50	9	.01	5	.39	.01	.32	1	28				
6 4598	9	235	39	28	1.4	6	5	916	1.45	5	8	ND	1	250	1	2	2	5	2.25	.049	2	3	.67	64	.01	5	.29	.01	.25	1	90				
6 4599	14	13	5	26	.3	10	6	638	1.33	4	5	ND	1	248	1	2	2	6	1.96	.048	5	5	.69	74	.01	9	.22	.03	.13	1	81				
6 4600	2	8	2	31	.3	9	2	849	1.14	3	5	ND	1	441	1	2	2	16	3.59	.054	2	17	.74	27	.01	7	.49	.03	.13	1	5				
6 4601	3	73	12	114	.2	24	22	1666	5.19	11	5	ND	1	166	1	2	3	108	3.21	.109	3	33	2.60	48	.09	2	2.24	.01	.63	1	23				
6 4602	1	221	2	97	.2	16	20	1473	4.62	9	5	ND	1	144	1	2	2	123	2.52	.118	4	25	2.33	49	.13	2	1.97	.02	.58	1	30				
6 4603	2	400	3	88	.8	15	30	1143	10.29	78	5	ND	1	137	1	2	6	100	1.58	.104	3	19	2.94	10	.06	8	2.36	.01	.33	1	375				
6 4604	1	664	13	106	.8	15	30	1352	10.05	36	5	ND	1	166	1	47	5	145	2.02	.120	2	24	4.10	18	.08	14	3.39	.02	.74	2	82				
6 4605	1	849	4	94	.7	12	28	1215	9.70	33	6	ND	1	156	1	2	2	122	1.75	.088	2	15	3.58	20	.10	2	2.99	.01	.46	1	325				
6 4606	1	879	9	105	.8	16	37	1379	11.37	28	5	ND	1	117	1	84	2	140	2.09	.093	2	23	3.86	17	.15	6	3.24	.01	.58	3	350				
6 4607	1	708	3	100	.5	13	25	1281	9.19	18	5	ND	1	127	1	2	2	125	1.70	.092	2	17	3.60	30	.16	2	2.94	.01	.36	1	105				
6 4608	1	411	2	86	.4	13	20	1227	7.56	18	5	ND	1	148	1	2	2	126	2.85	.113	3	20	3.07	31	.09	8	2.52	.01	.37	1	49				
6 4609	1	266	5	74	.3	13	16	1099	6.61	11	5	ND	1	149	1	2	2	121	3.57	.121	3	19	2.70	35	.10	6	2.48	.01	.55	1	285				
6 4610	1	512	2	108	.4	13	20	1529	7.67	10	5	ND	1	120	1	2	2	131	2.68	.117	2	19	3.29	31	.09	4	2.76	.01	.74	1	305				
6 4611	1	188	4	101	.2	9	26	1784	5.94	11	5	ND	1	103	1	2	2	130	2.76	.120	2	21	2.78	38	.15	12	2.32	.01	.71	1	33				
6 4612	1	295	3	92	.6	16	32	1399	6.09	11	5	ND	1	93	1	2	5	123	2.03	.123	2	20	2.45	30	.14	2	1.95	.01	.42	1	315				
6 4613	1	459	4	100	.2	14	25	1464	5.63	15	5	ND	1	73	1	2	2	117	1.55	.129	2	18	2.64	35	.16	3	2.08	.01	.46	1	80				
6 4614	1	119	5	98	.1	14	21	1248	4.59	8	5	ND	1	64	1	2	2	96	1.11	.133	2	15	2.25	43	.17	10	1.90	.02	.57	1	195				
6 4615	1	300	9	90	.3	14	22	1470	5.24	10	5	ND	1	98	1	2	2	107	1.98	.123	2	18	2.10	35	.16	8	1.80	.01	.46	1	48				
6 4616	1	185	2	99	.4	12	21	1604	4.85	7	5	ND	1	88	1	2	2	111	2.03	.119	2	16	2.38	45	.15	3	2.04	.01	.57	1	27				
6 4617	1	123	9	105	.5	14	22	1704	5.69	15	5	ND	1	158	1	2	2	125	3.10	.129	2	19	2.48	51	.14	9	2.33	.02	.90	1	55				
6 4618	3	154	148	81	2.3	9	23	2055	4.66	12	5	ND	1	443	1	2	4	32	7.28	.105	3	4	1.63	17	.01	7	.61	.01	.36	2	360				
6 4619	1	74	6	117	1.6	16	34	1548	6.54	12	7	ND	1	239	1	2	2	121	3.08	.125	3	19	2.73	25	.11	10	2.65	.01	1.35	1	78				
6 4620	2	36	3	122	.3	14	24	1630	5.87	14	5	ND	1	107	1	2	2	146	2.30	.129	2	21	3.04	45	.15	4	2.80	.02	1.46	4	35				
6 4621	3	47	4	102	.2	12	27	1952	5.36	13	5	ND	1	182	1	2	2	130	4.57	.109	2	21	2.43	43	.17	2	2.45	.02	1.58	134	36				
6 4622	1	59	7	136	.2	16	21	1938	5.65	14	5	ND	1	116	1	2	2	128	3.14	.126	2	18	2.89	62	.15	7	2.79	.01	.96	1	85				
6 4623	1	293	8	89	.4	14	21	1556	4.36	13	5	ND	1	142	1	2	3	77	4.29	.117	2	12	1.82	77	.15	2	2.05	.01	.52	5	350				
6 4624	3	1055	6	115	1.4	14	43	1298	8.74	20	5	ND	1	101	1	4	2	104	2.09	.078	2	18	2.54	23	.07	6	2.30	.01	.59	2	1650				
AG 4625	1	502	2	153	.4	6	18	1533	12.18	11	5	ND	1	45	1	71	2	210	1.15	.095	2	19	3.76	40	.23	7	3.77	.02	2.99	1	285				
AG 4626	1	403	4	107	.6	12	29	1272	13.67	11	5	ND	1	45	1	2	2	121	1.32	.047	3	20	2.31	20	.09	3	2.11	.02	1.14	2	950				
6 4627	1	555	5	152	.3	20	20	1627	7.40	8	5	ND	1	159	1	2	2	111	2.84	.117	8	20	3.62	40	.10	6	2.90	.01	1.33	1	29				
6 4628	1	159	4	92	.2	23	29	1395	5.81	8	5	ND	1	226	1	2	2	72	3.02	.111	6	19	2.30	20	.04	2	1.80	.02	.60	1	41				
6 4629	2	313	12	114	.5	17	36	1629	6.52	13	5	ND	1	136	1	4	3	97	3.68	.110	5	19	2.42	26	.08	9	2.43	.02	1.26	2	61				
6 4630	2	271	5	109	.1	16	25	1880	5.97	10	5	ND	1	256	1	2	4	58	4.74	.110	2	17	2.53	20	.02	2	1.45	.01	.46	1	325				
STD C/AU-R	20	63	35	132	7.6	70	29	1038	3.89	40	15	B	39	52	19	18	20	61	.48	.090	40	61	.86	181	.07	35	1.77	.06	.15	12	485				

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 4631	1	215	21	137	.5	15	40	1674	6.59	7	5	ND	4	358	1	2	2	53	3.40	.115	3	19	2.41	21	.01	2	1.47	.01	.21	2	295
6 4632	1	631	4	109	1.0	18	31	1218	8.79	13	10	ND	4	149	1	2	2	82	2.34	.100	2	34	2.63	19	.06	2	1.97	.02	.63	1	320
6 4633	1	649	6	114	.9	20	42	1312	10.39	10	5	ND	4	154	1	2	3	85	2.52	.096	3	29	3.07	17	.06	5	2.16	.01	.71	1	250
6 4634	1	64	3	85	.7	16	38	1103	8.12	11	5	3	3	136	1	2	3	63	2.58	.096	3	23	1.83	18	.04	2	1.73	.01	.24	2	5490
6 4635	1	678	11	105	.7	19	32	1462	8.47	19	5	ND	3	101	1	2	2	54	3.00	.093	2	15	1.83	18	.03	2	.88	.01	.43	1	240
6 4636	1	1134	8	121	1.4	17	25	1173	9.64	26	5	ND	1	114	1	2	2	91	2.28	.098	2	18	3.28	22	.04	2	2.19	.01	.59	2	420
6 4637	2	584	5	72	.5	15	20	867	6.99	10	5	ND	2	142	1	2	2	43	2.88	.106	2	14	2.34	25	.01	2	1.25	.01	.24	1	230
6 4638	1	541	7	37	.4	15	31	918	5.73	31	5	ND	2	71	1	3	2	24	3.15	.110	2	9	1.11	30	.01	2	.44	.01	.18	2	180
6 4639	2	381	13	99	.8	20	37	1400	7.96	28	5	ND	3	70	1	2	2	75	3.41	.100	4	12	1.81	30	.05	2	1.30	.01	.75	2	160
6 4640	1	271	11	94	.4	17	27	1858	7.41	17	5	ND	1	250	1	3	5	88	3.49	.103	3	25	2.68	24	.01	2	1.85	.02	.26	3	65
6 4641	1	478	6	116	.9	24	68	1802	11.55	22	5	ND	3	108	1	2	3	97	2.86	.093	2	24	2.24	17	.01	2	1.47	.02	.26	1	111
6 4642	4	228	6	98	.3	19	54	1748	8.44	22	5	ND	1	96	1	2	2	41	3.31	.103	2	10	1.39	15	.01	2	.44	.02	.15	1	52
6 4643	3	229	8	72	.7	14	41	2102	6.81	19	5	ND	2	144	1	2	2	25	5.71	.088	2	2	2.29	24	.01	3	.34	.01	.20	1	77
6 4644	45	104	37	73	.9	23	32	2030	6.41	20	5	ND	1	146	1	2	2	36	7.47	.048	2	10	2.67	23	.01	7	.29	.01	.18	1	116
6 4645	1	179	12	73	.2	16	20	2167	5.42	17	5	ND	1	86	1	2	2	90	3.43	.111	5	30	1.54	41	.02	4	.89	.01	.45	1	72
6 4646	1	91	5	75	.5	15	20	2315	4.55	9	5	ND	1	172	1	2	2	94	5.78	.107	8	12	1.25	41	.01	2	1.03	.01	.20	1	54
6 4647	1	212	2	84	.4	22	23	1784	5.19	15	5	ND	2	269	1	3	2	89	3.81	.105	3	16	2.04	63	.09	2	1.78	.01	.53	1	119
6 4648	2	688	19	121	1.7	54	21	3161	7.76	12	5	ND	1	154	1	2	2	133	5.64	.132	2	254	3.88	72	.09	3	3.07	.01	1.04	3	360
6 4649	1	313	8	117	.7	78	38	2879	9.04	20	7	ND	1	233	1	2	2	141	5.35	.135	3	250	4.54	67	.08	4	3.53	.02	.89	1	175
6 4650	1	263	2	87	.4	37	32	1303	7.12	17	5	ND	1	661	1	2	2	114	2.03	.109	3	39	2.66	43	.08	9	2.29	.02	.91	1	114
6 4651	1	136	2	95	.5	39	22	2310	5.45	20	5	ND	2	214	1	6	2	114	4.02	.123	5	102	2.84	61	.04	2	2.12	.02	.33	1	65
6 4652	2	108	6	71	.1	21	18	1867	5.24	9	5	ND	1	489	1	2	2	97	5.04	.095	5	30	2.27	50	.01	3	1.77	.01	.17	1	52
6 4653	2	276	4	118	.3	55	29	3288	7.30	14	5	ND	2	339	1	5	2	129	6.44	.116	4	156	3.73	57	.01	6	2.59	.01	.21	2	81
6 4654	2	134	2	129	.2	71	23	4599	6.60	16	5	ND	1	580	1	2	2	126	8.05	.131	3	254	4.22	98	.01	4	2.43	.01	.21	1	48
6 4655	1	250	2	103	.5	43	36	1613	7.81	15	5	ND	1	131	1	2	4	125	3.34	.120	4	95	2.69	47	.03	8	2.24	.02	.63	1	66
6 4656	1	528	9	90	.6	26	26	1108	9.46	17	5	ND	2	347	1	2	2	78	3.19	.105	4	37	2.88	29	.03	2	2.26	.01	.59	3	75
6 4657	1	379	5	70	.4	24	18	806	7.73	9	5	ND	3	90	1	3	2	76	2.26	.096	4	41	2.65	22	.03	2	2.06	.02	.51	3	78
6 4658	2	441	2	64	.8	24	32	733	11.33	19	5	ND	3	83	1	2	5	77	2.22	.086	6	51	2.57	19	.04	11	2.12	.02	.80	2	225
6 4659	2	486	6	59	.4	21	20	916	8.07	17	5	ND	1	290	1	2	2	46	3.89	.091	4	45	1.66	19	.02	2	1.23	.02	.40	3	179
6 4660	2	1949	16	91	1.9	20	42	958	16.79	36	6	2	4	81	1	2	2	53	2.11	.053	3	22	1.16	12	.01	7	.69	.01	.12	3	2150
6 4661	1	162	6	79	.4	21	23	1262	4.89	18	5	ND	1	102	1	2	2	120	1.67	.116	2	44	2.90	58	.14	11	2.49	.06	.83	1	50
6 4662	1	228	12	91	1.1	38	36	1311	6.20	18	5	ND	2	146	1	6	3	114	1.71	.116	2	52	2.28	42	.15	4	2.03	.02	.50	2	165
6 4663	1	148	8	82	.6	30	24	1266	4.96	15	5	ND	2	113	1	2	4	101	1.83	.124	10	45	1.13	55	.02	2	1.23	.02	.31	1	101
6 4664	2	188	2	78	.4	25	19	1236	4.56	13	5	ND	1	118	1	2	2	110	2.04	.121	2	39	2.25	82	.13	3	1.94	.03	.45	1	98
6 4665	2	64	11	105	.6	34	40	1083	7.43	20	5	ND	1	56	1	6	7	125	.98	.123	11	41	1.31	45	.09	13	1.66	.02	1.08	2	695
6 4666	4	19	7	99	.2	27	30	1198	5.91	9	5	ND	3	55	1	2	2	88	1.25	.101	12	46	.92	61	.05	5	1.17	.02	.62	1	99
STD C/AU-R	19	62	35	133	7.4	67	28	1015	3.96	35	16	8	38	51	18	15	18	58	.49	.084	38	61	.88	180	.07	30	1.73	.06	.12	11	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
6 4667	2	82	2	97	.1	21	25	1246	6.44	14	5	ND	2	44	1	4	7	92	1.11	.101	9	48	1.29	52	.07	4	1.62	.02	1.09	1	106
6 4668	5	180	15	98	.1	18	18	1852	4.71	5	5	ND	1	55	1	2	7	22	2.23	.069	7	13	.90	54	.02	6	.69	.01	.46	1	97
6 4669	30	152	12	92	.3	20	64	1363	7.70	23	5	ND	1	88	1	2	7	85	3.52	.123	5	11	1.03	33	.04	4	1.55	.01	.75	1	495
6 4670	5	23	8	127	.1	13	21	1455	5.40	13	5	ND	1	272	1	8	3	117	2.90	.120	4	16	2.38	64	.10	7	2.38	.02	.77	6	41
6 4671	4	15	13	139	.1	12	20	1529	7.02	10	5	ND	1	425	1	4	2	147	2.41	.126	2	19	2.86	91	.11	7	2.67	.02	.96	1	38
6 4672	3	12	11	147	.1	12	19	1568	8.11	12	5	ND	1	122	1	2	3	162	1.90	.121	2	22	3.13	97	.15	2	3.06	.02	1.33	1	26
6 4673	5	12	13	125	.1	18	25	1375	6.99	6	5	ND	3	142	1	2	2	129	2.19	.126	2	31	2.73	64	.12	2	2.54	.02	.75	1	56
6 4674	5	29	15	135	.1	14	24	1507	7.42	10	5	ND	1	92	1	2	2	136	2.37	.126	2	55	2.97	111	.13	2	2.80	.02	1.02	1	31
6 4675	2	80	13	124	.1	16	43	1319	8.20	21	5	ND	1	50	1	2	2	170	1.15	.121	2	26	3.40	43	.18	2	3.34	.02	2.22	1	57
6 4676	2	52	6	121	.1	13	44	1337	8.49	17	5	ND	2	53	1	2	2	169	1.42	.124	2	22	3.30	35	.15	2	3.21	.02	1.77	2	51
6 4677	3	74	11	111	.1	16	27	1495	7.20	10	5	ND	1	144	1	2	2	152	2.88	.113	2	22	3.20	71	.12	2	3.08	.02	1.34	12	42
6 4678	2	150	5	146	.1	17	44	1595	7.99	15	5	ND	1	131	1	2	2	132	2.98	.111	2	21	3.48	35	.11	7	3.19	.01	1.24	1	61
6 4679	2	192	6	103	.1	10	31	1248	10.46	9	5	ND	1	89	1	2	2	179	2.19	.109	3	33	3.38	55	.16	6	3.42	.01	2.13	1	56
6 4680	2	84	12	83	.1	8	14	973	11.08	10	5	ND	2	100	1	2	3	172	2.10	.116	3	24	3.07	165	.17	2	3.23	.02	2.10	1	42
6 4681	1	184	5	82	.1	17	42	1135	12.49	11	5	ND	3	97	1	2	5	160	2.80	.089	4	18	2.58	42	.14	7	2.83	.02	1.85	1	260
6 4682	1	241	10	89	.3	10	25	1243	7.96	13	5	ND	1	229	1	2	5	166	2.91	.121	2	21	2.79	101	.17	7	3.07	.02	2.02	1	695
6 4683	2	87	15	83	.1	13	21	1186	6.53	14	5	ND	1	204	1	2	2	158	2.43	.121	2	22	2.82	101	.14	2	2.85	.03	1.52	1	99
6 4684	2	53	4	74	.1	10	18	1195	6.19	5	5	ND	3	321	1	2	2	141	3.22	.121	2	20	2.52	96	.11	4	2.48	.02	.82	1	41
6 4685	2	190	5	88	.1	14	26	1173	6.74	8	5	ND	1	291	1	2	2	134	2.50	.103	2	19	2.67	58	.14	7	2.64	.02	1.21	1	71
6 4686	3	595	5	62	.3	15	26	1125	5.60	58	5	ND	1	100	1	4	3	87	2.99	.118	4	11	2.06	43	.05	4	1.17	.02	.88	1	88
6 4687	6	663	5	79	.1	13	30	1106	7.54	66	5	ND	1	239	1	11	2	98	2.47	.120	3	15	2.32	27	.07	9	1.67	.02	1.05	1	121
6 4688	2	241	10	76	.3	9	28	1074	6.84	14	5	ND	1	146	1	2	2	118	2.48	.111	3	14	2.57	56	.11	5	2.45	.02	1.44	1	71
6 4689	3	289	9	81	.2	13	34	1056	7.03	15	5	ND	2	96	1	2	7	112	2.40	.117	3	27	2.60	68	.11	4	2.60	.01	1.27	1	131
6 4690	3	507	9	51	.2	18	23	672	4.71	7	5	ND	2	130	1	2	2	88	1.86	.130	2	18	1.90	83	.11	2	2.15	.01	.95	1	105
6 4691	4	65	4	27	.1	10	13	389	3.16	5	5	ND	2	127	1	2	2	59	1.42	.055	2	33	.95	71	.04	8	1.04	.03	.46	1	25
6 4692	11	1059	17	76	.4	23	40	722	7.26	21	5	ND	2	59	1	3	2	109	1.19	.088	2	33	3.30	42	.12	8	2.95	.02	1.24	1	235
6 4693	16	938	2	110	.4	21	31	951	9.41	9	5	ND	2	112	1	2	2	181	1.17	.104	3	19	4.53	121	.20	2	4.43	.02	3.05	10	235
6 4694	13	1792	18	99	.7	55	53	823	9.00	14	5	ND	1	53	1	2	2	141	1.10	.147	2	133	4.77	73	.12	6	3.94	.02	1.37	2	335
6 4695	26	1725	19	73	.5	47	49	705	13.00	24	5	ND	3	49	1	2	2	140	.77	.082	2	42	3.13	43	.12	6	2.94	.02	1.52	3	645
6 4696	22	151	9	47	.1	14	10	563	4.30	4	5	ND	1	54	1	2	4	60	1.00	.061	2	18	1.63	72	.03	2	1.57	.02	.35	1	39
STD C/AU-R	19	62	39	132	7.3	70	29	1028	3.81	36	19	8	39	51	19	16	22	58	.47	.088	39	60	.85	181	.07	37	1.86	.06	.14	11	505

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: SEPT 16 1987

DATE REPORT MAILED: *Sept 26/87*ASSAYER: *D. Toye* ... DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117

File # 87-4217

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	AUX PPB
6 4697	2	25	15	148	.5	16	41	2099	6.78	26	5	ND	3	149	1	2	2	163	3.67	.109	2	20	3.23	35	.17	2	2.93	.02	.74	1	45
6 4698	3	9	51	84	1.8	12	2	698	1.10	5	5	ND	3	162	1	7	2	27	2.01	.053	3	24	.72	98	.03	2	.88	.05	.07	7	102
6 4699	2	10	8	40	.5	18	6	754	1.45	4	5	ND	2	135	1	2	3	29	1.91	.053	3	28	.77	85	.02	4	.71	.05	.06	2	785
6 4700	2	13	11	47	1.3	16	4	738	1.39	5	5	ND	3	192	1	2	2	25	1.76	.059	4	25	.77	150	.01	4	.72	.06	.09	2	420
6 4701	3	6	11	18	2.8	8	2	564	.74	2	5	ND	2	205	1	2	2	11	2.29	.026	2	10	.33	127	.01	6	.33	.04	.05	2	720
6 4702	19	29	10	33	.3	19	18	2676	2.81	5	5	ND	1	275	1	2	11	18	10.35	.043	4	12	.42	37	.01	2	.49	.03	.13	2	480
6 4703	2	10	9	46	.1	14	4	1243	1.64	5	5	ND	1	292	1	2	2	20	4.10	.044	3	18	.79	126	.01	2	.86	.04	.10	2	112
6 4704	1	5	7	23	.5	6	1	417	.69	2	5	ND	3	77	1	2	2	11	1.25	.027	2	11	.36	54	.01	2	.35	.03	.05	3	86
6 4705	8	8	7	35	.8	18	6	749	1.48	6	5	ND	3	242	1	2	2	16	2.49	.050	3	17	.57	64	.01	4	.64	.04	.11	2	720
6 4706	44	10	9	32	.8	19	11	783	2.27	5	5	ND	1	412	1	2	2	10	2.75	.059	4	7	.52	22	.01	4	.42	.03	.18	3	605
6 4707	5	11	8	36	.1	13	5	851	1.43	7	5	ND	1	448	1	2	2	8	2.56	.053	3	8	.66	65	.01	3	.40	.04	.15	2	86
6 4708	8	10	8	33	.2	14	7	867	1.58	10	5	ND	3	307	1	2	2	7	2.49	.060	3	9	.68	47	.01	8	.39	.03	.23	3	25
6 4709	10	10	6	37	.1	11	5	830	1.33	8	5	ND	2	254	1	2	2	7	2.27	.064	4	5	.65	126	.01	9	.40	.04	.20	3	18
6 4710	2	10	4	35	.2	12	4	1038	1.35	5	5	ND	2	342	1	2	2	7	2.89	.063	5	4	.64	117	.01	4	.42	.03	.22	2	10
6 4711	2	138	9	111	.3	15	28	1695	5.84	27	5	ND	2	298	1	2	3	72	3.90	.119	9	28	2.16	18	.01	4	2.13	.02	.33	1	345
6 4712	2	32	5	100	.1	21	24	1341	5.34	26	5	ND	2	95	1	2	2	53	1.80	.103	6	36	1.98	20	.02	5	2.03	.02	.45	1	49
6 4713	4	281	4	88	.4	17	17	1488	3.97	19	5	ND	2	145	1	2	3	72	3.81	.065	2	25	1.63	14	.09	4	1.66	.02	.11	1	275
6 4714	6	274	8	86	.4	19	31	1109	4.94	44	5	ND	2	101	1	2	2	87	1.76	.122	3	33	1.88	32	.12	8	1.69	.02	.58	1	87
6 4715	1	127	4	46	.2	14	8	616	2.18	10	5	ND	2	65	1	2	2	28	1.04	.059	2	29	.88	31	.03	5	.90	.04	.19	2	59
6 4716	5	214	10	89	.4	20	26	1056	7.11	31	5	ND	2	98	1	2	2	85	1.29	.104	4	37	2.03	18	.07	6	2.05	.02	1.09	8	113
6 4717	10	227	6	88	.3	20	35	1110	7.08	43	5	ND	1	124	1	2	2	82	1.33	.107	4	30	2.02	17	.07	3	1.92	.03	.60	1	195
6 4718	7	212	6	94	.3	23	26	1397	5.30	23	5	ND	2	81	1	2	5	64	2.35	.077	5	41	1.79	30	.01	2	1.62	.03	.22	1	127
6 4719	4	64	5	79	.4	18	39	1178	4.66	24	5	ND	2	79	1	2	2	73	2.18	.112	5	24	1.44	24	.07	10	1.32	.03	.15	2	100
6 4720	8	42	6	83	.1	16	29	1398	3.97	20	5	ND	1	103	1	2	2	63	3.46	.103	3	22	1.59	21	.04	2	1.45	.02	.10	1	82
6 4721	11	60	3	105	.1	20	41	1382	5.01	30	5	ND	1	99	1	2	2	86	1.65	.117	2	30	2.14	30	.07	6	1.81	.03	.30	1	90
6 4722	5	66	8	132	.4	22	53	1706	7.59	43	5	ND	1	99	1	2	2	111	2.08	.102	3	37	2.66	24	.08	9	2.21	.03	.31	1	133
6 4723	9	80	8	122	.2	24	42	1672	6.26	44	5	ND	1	83	1	2	2	98	2.65	.106	2	52	2.38	30	.09	4	2.08	.02	.36	1	97
6 4724	8	292	6	109	.5	22	36	1702	4.91	38	5	ND	1	1351	1	2	3	87	3.22	.106	3	32	2.07	41	.06	2	1.85	.02	.37	1	121
6 4725	6	218	14	166	.6	32	63	2420	8.59	47	5	ND	1	124	1	2	2	128	3.69	.080	2	48	3.29	25	.12	4	2.74	.02	.31	1	114
6 4726	9	30	4	140	.1	24	33	2070	5.51	23	5	ND	1	87	1	2	2	106	2.91	.128	2	74	2.73	30	.12	2	2.37	.02	.32	1	99
6 4727	2	109	9	100	.3	7	25	1394	4.41	24	5	ND	2	125	1	2	3	86	2.52	.152	5	9	1.84	46	.06	8	1.75	.02	.42	1	63
6 4728	3	141	6	113	.1	27	31	1900	5.81	21	5	ND	1	103	1	2	2	104	2.90	.092	4	67	2.44	45	.14	4	2.10	.02	.46	1	94
6 4729	1	89	4	97	.1	24	29	1372	4.97	22	5	ND	1	104	1	2	2	112	1.84	.080	2	31	2.18	31	.18	2	2.03	.03	.80	1	86
6 4730	2	207	12	102	.2	20	28	1621	5.70	23	5	ND	1	83	1	2	2	128	2.18	.081	2	35	2.37	36	.15	2	2.21	.03	.74	1	92
6 4731	1	164	8	103	.1	18	25	1704	4.87	24	5	ND	1	61	1	2	2	121	1.72	.081	2	37	2.48	46	.16	14	2.21	.03	.62	1	87
6 4732	1	279	6	118	.4	17	25	2118	6.65	25	5	ND	1	54	1	2	2	165	2.63	.080	2	48	3.06	48	.18	2	2.82	.02	1.11	1	52
STD C/AU-R	20	61	39	132	7.3	69	28	1022	3.72	41	18	8	39	52	19	16	19	59	.46	.091	39	61	.83	179	.07	34	1.80	.06	.14	11	505

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6 4733	1	586	7	129	1.0	15	35	2410	7.78	22	6	ND	4	72	1	2	2	177	2.64	.069	2	49	3.69	61	.18	6	3.32	.02	1.32	3	195
6 4734	2	285	11	125	.4	12	19	2430	5.42	21	5	ND	4	123	1	2	2	154	3.55	.071	2	36	3.04	117	.16	2	2.89	.01	1.34	1	81
6 4735	2	472	14	137	.9	17	36	2680	7.71	25	8	ND	4	95	1	12	2	153	3.79	.072	2	44	3.27	56	.14	2	3.05	.01	1.10	2	280
6 4736	1	511	6	95	.9	22	40	1803	9.37	22	5	ND	2	113	1	2	2	151	3.14	.062	2	37	2.70	41	.17	9	2.56	.01	1.11	4	179
6 4737	1	120	9	83	.6	14	20	1484	5.06	23	5	ND	1	76	1	2	2	115	1.66	.079	2	29	2.39	76	.14	6	2.16	.02	.74	1	137
6 4738	1	178	4	87	.6	15	18	1644	5.08	22	5	ND	3	67	1	7	2	123	1.91	.079	2	31	2.59	81	.15	3	2.35	.02	.99	3	98
6 4739	2	653	8	65	1.1	14	31	1359	7.32	31	5	ND	3	103	1	5	2	98	2.85	.064	2	25	2.01	54	.13	13	2.00	.01	1.02	2	202
6 4740	3	952	35	92	2.0	14	28	1516	8.81	34	5	ND	2	113	1	2	2	126	2.99	.067	2	40	2.64	36	.17	6	2.72	.02	1.73	3	610
6 4741	1	678	15	92	.8	17	33	1173	10.41	41	5	ND	2	37	1	2	2	108	1.73	.094	2	31	2.70	29	.18	8	2.87	.02	1.78	1	240
6 4742	1	98	2	75	1.0	16	21	1065	6.05	17	6	ND	3	217	1	2	2	89	2.84	.103	2	34	2.14	48	.14	3	2.27	.02	1.34	1	560
6 4743	10	321	5	57	.1	25	27	993	5.47	34	5	ND	3	110	1	6	2	47	2.97	.092	2	72	1.54	66	.08	8	1.79	.02	.76	1	187
6 4744	4	95	11	71	.3	18	34	902	5.94	33	5	ND	3	36	1	4	3	45	1.50	.082	2	34	1.77	66	.07	4	1.97	.01	.96	1	79
6 4745	12	112	15	79	.4	20	40	862	6.31	32	5	ND	2	29	1	2	2	49	1.20	.075	2	54	1.71	51	.09	11	1.85	.01	.96	1	104
6 4746	5	244	9	61	.6	17	25	794	4.30	25	5	ND	4	60	1	6	2	36	1.21	.072	2	29	1.40	60	.06	4	1.45	.02	.70	1	97
6 4747	18	122	5	94	.2	39	34	1234	7.12	23	5	ND	2	40	1	3	2	94	1.28	.089	2	148	2.56	59	.14	9	2.44	.03	1.29	1	86
6 4748	2	86	5	44	.1	16	19	535	3.40	32	5	ND	1	33	1	2	3	25	.77	.059	2	25	.92	30	.05	5	.96	.04	.28	1	67
6 4749	1	134	4	99	.4	13	36	1019	8.89	31	5	ND	2	31	1	2	2	67	.83	.138	2	11	2.19	36	.14	3	2.60	.01	1.22	1	163
6 4750	1	141	9	60	.3	11	22	717	6.53	26	5	ND	1	43	1	2	2	72	.88	.127	2	12	1.58	43	.12	2	1.77	.02	1.10	1	230
6 4751	1	277	8	64	.4	11	20	748	5.47	32	5	ND	1	42	1	4	2	77	.90	.133	2	23	1.75	57	.12	5	1.83	.03	1.13	2	134
6 4752	3	184	4	68	.5	10	26	866	6.16	35	6	ND	3	34	1	4	2	68	1.09	.134	2	19	1.82	52	.12	2	1.85	.02	1.04	1	138
6 4753	2	267	2	68	.8	15	25	835	6.08	23	5	ND	3	48	1	2	2	70	.99	.112	2	23	1.86	47	.12	4	1.95	.03	1.24	4	47
6 4754	2	23	2	37	.1	14	7	439	1.99	15	5	ND	1	42	1	2	2	21	.85	.051	2	28	.84	35	.05	2	.81	.03	.22	3	102
6 4755	2	70	2	43	.4	13	25	659	5.09	10	5	ND	4	76	1	2	2	13	2.19	.037	2	15	.73	28	.03	4	.96	.02	.26	2	280
6 4756	1	9	6	56	.1	16	12	650	2.48	15	5	ND	1	28	1	2	2	11	.95	.049	2	19	1.00	46	.03	4	1.06	.02	.32	1	25
6 4757	2	7	4	44	.1	14	8	609	2.37	7	5	ND	2	68	1	2	2	20	1.30	.046	2	23	.94	20	.04	2	.95	.04	.11	2	22
6 4758	2	7	11	48	.1	16	12	551	2.49	19	5	ND	1	35	1	2	2	13	.97	.052	2	19	.92	60	.04	3	1.08	.03	.51	2	35
6 4759	2	27	3	67	.2	25	17	709	4.81	16	5	ND	1	51	1	2	4	30	.84	.062	2	100	1.31	62	.05	7	1.48	.03	.63	1	111
6 4760	2	130	12	94	.1	27	16	969	5.18	11	5	ND	2	70	1	4	2	76	1.27	.122	2	50	2.14	114	.14	3	2.35	.03	1.41	1	86
6 4761	3	76	8	58	.1	6	16	1167	4.91	10	5	ND	2	299	1	5	2	31	4.23	.072	5	4	1.48	36	.03	2	1.62	.01	.45	1	320
6 4762	3	299	12	81	.6	35	21	1128	6.48	15	5	ND	3	50	2	2	3	103	1.48	.103	2	81	2.38	61	.14	2	2.37	.03	1.42	2	35
6 4763	2	331	2	84	.9	41	19	1223	5.72	19	7	ND	4	62	1	2	2	104	1.53	.105	2	91	2.55	75	.14	2	2.35	.03	.89	1	39
6 4764	2	168	12	99	.4	43	18	1496	5.98	7	5	ND	3	55	1	2	2	157	1.90	.106	2	120	3.02	88	.15	3	2.77	.02	1.05	1	24
6 4765	2	274	2	94	.8	61	34	1437	7.89	16	5	ND	2	89	1	2	2	161	2.52	.095	2	108	2.92	61	.12	8	2.58	.02	.87	1	114
6 4766	2	123	7	81	.1	32	16	1204	4.52	15	5	ND	1	70	1	2	2	89	1.97	.121	2	77	2.45	63	.10	5	2.15	.02	.60	1	23
6 4767	2	266	9	95	.5	40	30	1245	6.48	19	5	ND	1	132	1	2	2	83	1.41	.117	2	81	2.58	59	.10	6	2.30	.02	.62	1	90
6 4768	2	416	9	109	.6	43	29	1360	6.45	21	5	ND	1	142	1	4	2	93	.93	.113	2	84	2.94	64	.11	6	2.61	.01	.99	1	110
STD C/AU-R	19	61	42	134	7.3	68	30	1040	3.85	40	21	8	37	51	18	17	19	58	.48	.090	38	62	.85	182	.07	37	1.87	.06	.13	13	520

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 4769	5	182	8	72	.7	18	18	1329	5.57	14	6	ND	3	102	1	2	2	82	2.50	.105	6	25	1.57	23	.05	2	1.49	.03	.45	1	33
6 4770	2	345	3	70	.6	14	16	954	4.99	14	5	ND	2	74	1	2	2	92	1.11	.108	2	25	1.74	38	.13	3	1.76	.03	.59	1	22
6 4771	14	240	5	99	.7	14	29	1297	7.56	18	6	ND	2	59	1	2	2	107	1.68	.111	2	33	2.37	26	.16	2	2.51	.02	1.03	1	125
6 4772	3	149	8	99	.4	15	24	1506	6.86	11	5	ND	1	56	1	2	2	136	2.23	.112	2	22	2.65	39	.21	3	2.96	.03	1.60	1	113
6 4773	2	104	6	93	.5	18	24	1591	7.27	9	10	ND	4	110	1	2	2	142	2.49	.100	2	26	3.05	49	.17	2	3.06	.02	.98	1	55
6 4774	2	100	14	103	.4	20	29	1592	7.74	13	8	ND	2	92	1	2	2	135	2.33	.101	2	27	3.20	48	.19	2	3.16	.02	1.01	1	83
6 4775	1	59	9	112	.3	20	25	1745	7.09	13	7	ND	2	80	1	2	2	163	2.69	.103	2	28	3.61	63	.22	2	3.48	.02	1.16	1	35
6 4776	2	137	8	98	.1	17	26	1653	7.14	12	5	ND	1	58	1	2	2	162	2.62	.095	2	27	3.26	46	.23	3	3.27	.03	1.56	1	58
6 4777	1	189	9	88	.4	19	26	1318	6.34	12	9	ND	3	59	1	2	2	163	1.85	.094	2	33	3.29	47	.27	2	2.87	.02	.91	1	26
6 4778	1	209	6	107	.3	19	27	1517	7.18	14	5	ND	1	51	1	2	2	165	1.71	.096	2	30	3.61	46	.25	3	3.23	.02	1.13	1	51
6 4779	2	162	7	98	.2	18	29	1440	7.13	11	5	ND	1	58	1	2	2	144	1.55	.097	2	28	3.31	37	.22	3	3.07	.01	1.19	1	53
6 4780	4	143	4	79	.3	21	33	1121	6.82	12	5	ND	1	61	1	2	2	110	1.24	.094	2	26	2.33	28	.21	4	2.30	.02	.90	6	63
6 4781	3	295	6	91	.6	23	36	1332	8.71	16	5	ND	1	45	1	2	2	136	1.22	.100	2	28	2.96	20	.23	2	3.02	.02	1.73	1	1150
6 4782	2	422	9	80	.7	26	42	1432	10.64	15	7	ND	2	113	1	2	2	123	2.21	.100	2	34	2.94	30	.17	8	2.77	.01	.34	3	250
6 4783	3	186	11	93	.3	24	32	1291	8.70	14	5	ND	1	46	1	2	2	181	1.01	.100	2	39	3.49	25	.26	3	3.42	.02	1.93	1	48
6 4784	1	338	11	95	.4	24	33	1277	9.51	15	5	ND	1	42	1	3	2	165	.89	.096	2	43	3.65	18	.24	2	3.40	.01	1.46	2	92
6 4785	1	303	10	94	.5	28	35	1314	9.97	20	5	ND	1	75	1	2	2	132	.97	.101	2	30	3.70	22	.21	6	3.31	.02	.92	1	81
6 4786	2	352	7	107	.5	20	33	1402	10.40	22	5	ND	1	47	1	2	2	164	1.23	.096	2	33	3.81	17	.21	7	3.61	.01	1.37	1	128
6 4787	3	232	5	87	.3	15	28	1202	7.89	12	9	ND	2	53	1	2	2	116	1.09	.097	2	17	2.80	23	.16	3	2.97	.01	1.26	1	83
6 4788	2	73	6	98	.2	17	31	1234	9.83	24	5	ND	1	60	1	2	2	113	1.19	.109	2	17	3.34	32	.12	2	3.40	.02	1.01	1	64
6 4789	1	116	14	97	.2	16	36	1105	11.57	45	5	ND	1	47	1	4	2	135	.72	.096	2	22	3.72	21	.09	2	3.63	.02	1.14	1	160
6 4799	2	109	14	110	.5	18	39	1226	13.20	49	7	ND	2	213	1	2	2	125	1.22	.092	3	21	3.96	30	.04	2	3.67	.02	.57	2	143
6 4791	4	134	3	78	.5	16	35	977	11.13	30	7	ND	3	106	1	2	2	116	1.06	.103	2	21	3.12	40	.11	6	3.11	.02	.62	1	117
6 4792	7	706	11	100	.5	20	41	1238	9.76	28	5	ND	1	88	1	2	2	115	1.67	.102	2	21	3.22	55	.09	2	3.28	.02	.70	1	230
6 4793	3	32	11	61	.1	89	18	1356	4.61	4	5	ND	5	218	1	3	2	54	10.97	.078	37	136	2.67	11	.01	2	.83	.02	.06	1	7
6 4794	1	58	18	70	.1	182	25	950	4.16	3	5	ND	13	463	1	2	2	93	4.65	.118	40	317	4.02	115	.10	2	2.42	.11	.09	1	6
6 4795	14	217	9	52	.2	20	29	974	3.53	12	5	ND	2	225	1	3	6	25	4.72	.041	4	12	1.37	47	.01	2	1.05	.01	.18	1	44
6 4796	9	92	7	65	.1	23	14	871	2.87	6	5	ND	2	275	1	2	3	26	3.38	.056	4	30	1.35	53	.04	2	1.50	.01	.37	1	35
6 4797	35	20	4	47	.1	24	6	597	1.53	5	5	ND	1	227	1	2	2	31	1.99	.064	2	33	.90	55	.04	2	.95	.03	.11	2	17
6 4798	35	6038	14	35	5.6	29	48	686	3.69	9	5	ND	2	176	1	2	2	48	2.26	.060	2	46	.96	30	.05	2	.91	.04	.10	8	106
6 4799	42	4186	24	40	3.7	30	37	958	3.56	4	5	ND	3	244	1	2	4	51	4.06	.060	2	48	1.07	31	.04	7	.99	.04	.04	6	102
6 4800	28	260	4	64	.2	28	26	1065	3.98	3	5	ND	2	159	1	2	4	68	2.94	.077	4	43	1.28	72	.05	4	1.41	.03	.56	73	37
6 4801	5	730	9	95	2.8	10	18	4054	5.13	8	9	ND	2	177	1	2	5	143	5.58	.088	3	18	1.52	45	.12	2	1.63	.01	.28	3	1040
6 4802	4	1577	19	101	3.4	11	38	2831	6.68	93	5	3	2	188	1	2	2	89	3.57	.066	2	20	1.10	42	.07	2	1.34	.02	.76	4	3200
6 4803	1	355	15	143	.5	14	37	3081	6.50	20	5	ND	1	106	1	2	2	110	1.68	.107	2	22	2.16	64	.19	2	2.43	.02	.81	1	47
6 4804	5	51	9	78	.1	14	36	4535	4.57	11	8	ND	1	287	1	6	4	65	13.78	.070	8	13	.88	69	.08	2	1.22	.01	.91	1	49
STD C/AU-R	19	61	41	132	7.1	68	29	1026	3.94	35	15	8	37	51	18	18	19	57	.44	.085	38	60	.80	182	.06	30	1.85	.06	.13	12	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
6 4805	5	82	63	78	.4	9	22	1777	3.36	13	5	ND	2	94	1	2	4	87	3.60	.047	3	11	.93	103	.08	2	1.08	.04	.93	1	62
6 4806	3	117	10	76	1.1	8	27	3501	3.81	12	5	ND	1	214	1	5	3	58	10.35	.055	5	13	.72	99	.05	2	.86	.03	.65	1	53
6 4807	4	46	22	170	.5	24	37	3261	6.77	21	5	ND	2	233	1	2	2	135	4.46	.128	5	43	2.98	133	.14	2	3.29	.01	1.75	1	29
6 4808	6	121	17	185	.9	28	44	3021	7.49	18	5	ND	2	147	1	2	2	133	2.28	.131	3	50	3.00	34	.16	2	3.06	.02	1.09	1	23
6 4809	3	481	24	167	1.4	27	47	2836	8.18	23	5	ND	2	480	1	2	2	110	1.38	.125	2	49	2.55	18	.10	5	2.58	.02	.80	1	46
6 4810	8	202	13	160	.9	21	32	4247	6.74	18	5	ND	1	142	1	2	2	128	3.25	.123	4	37	2.78	46	.09	3	2.85	.01	.92	1	57
6 4811	11	211	18	177	1.2	25	34	5151	8.09	27	5	ND	3	201	1	2	2	133	2.85	.119	4	40	2.38	53	.14	3	2.60	.01	1.37	1	72
6 4812	3	1236	20	180	2.2	23	27	4389	5.75	14	5	ND	1	120	1	2	2	103	1.83	.112	2	36	2.21	90	.17	5	2.40	.01	1.02	1	92
6 4813	2	254	10	156	.8	26	20	3883	5.65	8	5	ND	3	141	1	2	6	130	2.98	.140	3	39	2.65	140	.16	3	2.85	.01	1.36	1	23
6 4814	3	192	11	163	.7	26	20	4061	5.39	15	5	ND	2	224	1	2	2	138	3.98	.128	3	52	2.76	180	.19	5	3.16	.02	1.71	2	19
6 4815	4	365	27	237	1.9	20	32	5405	8.54	31	5	ND	1	101	1	2	3	128	1.65	.120	2	29	3.00	71	.20	6	3.15	.02	1.29	1	695
6 4816	3	176	18	245	1.0	33	30	4930	7.91	25	5	ND	2	172	1	2	2	155	1.76	.138	2	47	3.38	187	.24	8	3.66	.02	2.09	1	245
6 4817	2	43	14	122	.3	26	29	2799	4.05	11	5	ND	2	228	1	2	2	93	2.35	.136	2	36	2.01	108	.17	3	2.23	.01	.94	1	21
6 4818	2	293	11	140	.6	29	19	2924	4.83	10	5	ND	1	207	1	2	2	114	3.28	.135	2	42	2.56	158	.18	5	2.73	.01	1.24	1	18
6 4819	2	142	15	116	.4	21	18	2175	5.09	9	5	ND	3	202	1	2	2	107	2.05	.138	2	38	2.07	116	.17	6	2.37	.02	1.21	1	92
6 4820	3	766	9	133	1.5	15	17	2990	4.94	15	5	ND	2	183	1	2	2	111	4.71	.126	3	19	2.48	61	.12	4	2.69	.01	.62	1	86
6 4821	5	155	12	165	.6	23	28	3471	7.33	13	5	ND	2	212	1	2	2	142	4.22	.133	4	41	2.98	188	.13	5	3.19	.01	1.50	3	27
6 4822	1	28	15	153	.4	20	18	3030	6.48	9	5	ND	1	134	1	2	2	141	3.08	.131	3	36	2.82	113	.15	3	2.93	.01	1.12	1	11
6 4823	2	14	11	120	.2	12	13	2374	4.55	7	5	ND	2	115	1	2	2	121	3.03	.126	3	16	2.17	90	.14	6	2.34	.02	.79	1	3
6 4824	3	753	8	176	1.6	14	26	4527	10.63	27	5	ND	2	191	1	2	2	153	3.39	.130	7	23	2.52	129	.08	7	2.48	.02	.85	1	55
6 4825	2	259	18	133	.9	12	17	3806	5.83	29	5	ND	1	358	1	2	3	110	8.04	.128	6	15	2.37	415	.03	10	1.13	.02	.40	1	82
6 4826	12	1459	15	183	3.1	13	52	3225	8.26	86	5	ND	1	137	1	2	2	164	2.96	.116	3	25	2.86	165	.18	5	2.73	.02	2.01	1	3170
6 4827	2	129	15	157	.4	26	22	3852	6.63	8	5	ND	1	228	1	2	2	143	5.26	.133	4	50	2.91	106	.09	3	2.99	.01	.91	1	28
6 4828	3	433	11	132	1.0	27	17	4255	6.17	8	5	ND	1	505	1	2	5	120	6.42	.116	6	131	1.84	57	.03	2	2.23	.01	.54	1	91
6 4829	3	295	12	102	.9	13	22	3166	4.85	17	5	ND	1	478	1	2	4	102	5.58	.131	4	42	1.30	59	.06	3	1.77	.01	.76	1	52
6 4830	15	210	10	216	.7	20	28	6840	8.54	11	5	ND	1	278	1	2	2	147	6.39	.110	11	41	3.04	153	.15	2	2.32	.02	1.99	1	12
6 4831	2	86	14	112	.5	12	14	3910	4.94	20	5	ND	1	451	1	2	3	113	7.67	.123	4	39	1.87	113	.09	2	1.89	.01	1.09	1	16
6 4832	2	92	12	175	.4	20	20	4091	6.02	25	5	ND	1	188	1	2	2	161	10.26	.055	3	50	4.07	248	.05	7	1.09	.06	.65	1	7
6 4833	2	8	9	175	.4	20	21	3891	6.17	17	5	ND	1	266	1	2	3	141	5.64	.082	4	45	2.74	275	.03	11	.98	.04	.41	1	98
6 4834	1	13	8	62	.2	8	7	1499	3.30	15	5	ND	2	102	1	2	2	69	4.42	.111	12	10	.82	59	.04	2	1.14	.02	.52	2	2
6 4835	3	38	5	57	.1	9	7	1836	2.56	7	5	ND	1	127	1	2	2	29	6.47	.065	12	8	.74	179	.02	5	.67	.01	.44	2	1
6 4836	1	11	8	84	.2	13	10	2196	4.19	9	5	ND	1	370	1	2	4	54	6.61	.106	7	64	2.21	185	.01	5	.60	.04	.29	1	17
6 4837	14	2045	77	58	3.2	7	8	1323	1.47	9	5	ND	1	312	1	2	2	29	5.78	.092	2	15	.49	34	.07	4	.77	.01	.17	3	97
6 4838	1	23	10	81	.2	8	10	2171	4.53	9	5	ND	1	116	1	2	2	54	5.53	.142	10	16	.85	120	.03	2	.78	.02	.49	2	4
6 4839	2	18	5	83	.3	12	9	2496	4.30	4	5	ND	1	173	1	2	2	54	7.94	.109	8	17	1.97	125	.06	2	.93	.02	.68	1	59
6 4840	2	404	20	102	.5	9	14	2494	4.62	21	5	ND	1	1982	1	3	2	86	9.55	.093	8	16	2.96	79	.01	2	.59	.04	.14	1	12
STD C/AU-R	21	63	38	132	7.6	73	29	1051	3.91	42	19	7	40	54	19	17	21	61	.49	.090	41	64	.87	181	.07	34	1.79	.06	.15	12	505

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: SEPT 16 1987

DATE REPORT MAILED: *Sept 24/87*

ASSAYER: *D. J. ...* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4214 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
6 4841	1	159	14	85	.3	12	36	1741	6.16	43	5	ND	1	131	1	2	7	27	5.05	.082	3	3	1.84	20	.01	7	.39	.01	.28	2	1180
6 4842	1	253	50	119	.1	20	26	2399	6.80	11	5	ND	1	114	1	2	8	89	4.27	.081	3	20	2.80	33	.01	5	1.34	.01	.20	2	1380
6 4843	2	435	111	119	.7	8	13	1344	3.91	25	5	6	1	204	1	2	2	13	3.17	.075	2	2	1.25	25	.01	12	.27	.01	.19	1	6080
6 4844	1	266	27	114	.5	10	16	1145	4.67	12	5	ND	1	140	1	2	2	69	1.96	.110	5	24	1.66	40	.05	2	1.63	.01	.63	1	270
6 4845	1	100	6	68	.1	13	13	1124	4.51	11	5	ND	1	57	1	3	4	87	2.14	.109	5	35	1.77	53	.03	3	1.69	.02	.31	1	350
6 4846	1	91	34	107	.1	14	16	1286	5.25	7	5	ND	2	56	1	2	5	107	1.96	.107	4	45	2.16	56	.10	2	2.10	.02	.80	1	146
6 4847	4	62	14	61	.4	10	12	1045	3.96	5	5	ND	1	66	1	2	2	72	2.09	.093	3	19	1.27	49	.12	5	1.43	.02	1.01	1	310
6 4848	10	120	33	83	.9	14	9	1419	3.82	8	5	ND	1	184	1	2	2	49	4.04	.093	4	20	1.20	39	.02	6	1.28	.02	.28	1	490
6 4849	2	20	5	38	.1	12	9	521	2.30	5	5	ND	1	98	1	2	2	15	1.25	.051	4	23	.63	70	.01	9	.80	.04	.25	1	65
6 4850	10	28	9	27	.1	11	11	692	2.83	5	5	ND	1	95	1	2	2	12	2.72	.042	6	11	.53	35	.01	7	.49	.02	.16	1	230
6 4851	5	156	4	82	.1	15	19	1096	5.66	7	5	ND	3	228	1	2	7	43	1.98	.089	6	46	1.69	65	.04	9	1.89	.01	.55	1	51
6 4852	10	139	2	69	.1	17	18	1057	4.95	13	5	ND	1	134	1	2	3	44	2.07	.096	5	25	1.57	70	.04	2	1.76	.01	.53	1	78
6 4853	2	88	13	72	.1	13	22	1086	5.81	9	5	ND	1	129	1	2	7	57	2.30	.114	5	19	1.60	48	.01	8	1.69	.02	.20	1	47
6 4854	1	278	2	78	.1	9	16	1226	5.51	10	5	ND	1	151	1	2	7	53	2.84	.116	5	10	1.87	81	.02	10	1.92	.02	.36	1	40
6 4855	3	146	14	94	.1	61	22	1910	7.14	13	5	ND	1	194	1	2	4	81	4.29	.094	4	152	2.96	52	.04	2	2.26	.01	.58	1	59
6 4856	10	206	3	73	.1	15	17	1039	3.92	16	5	ND	1	149	1	2	8	57	1.94	.109	2	20	1.58	56	.08	2	1.71	.02	.58	3	81
6 4857	1	185	10	78	.1	12	16	1163	4.45	11	5	ND	1	135	1	2	6	74	2.49	.129	2	28	1.56	72	.10	7	1.81	.02	.95	1	56
6 4858	1	151	6	45	.1	5	12	1053	3.84	17	5	ND	1	407	1	8	2	57	3.87	.145	6	6	.58	70	.04	4	1.09	.01	.42	2	38
6 4859	1	238	12	58	.2	8	17	935	4.36	11	5	ND	1	143	1	2	2	59	2.63	.152	2	6	.90	57	.08	7	1.22	.01	.58	3	73
6 4860	6	558	12	103	.9	9	21	1791	6.36	18	5	ND	1	252	1	2	5	71	4.27	.132	5	14	1.98	61	.07	9	2.18	.01	.59	2	340
6 4861	6	320	6	81	.2	14	25	1531	5.50	31	5	ND	1	262	1	2	6	67	4.89	.150	5	10	1.45	62	.03	9	1.60	.03	.35	1	156
6 4862	2	237	5	101	.2	9	18	1634	5.08	10	5	ND	1	88	1	2	2	98	3.17	.158	3	21	2.36	46	.07	6	2.27	.02	.35	17	118
6 4863	2	74	8	107	.8	18	14	1695	5.42	13	5	ND	2	115	1	2	2	123	3.30	.141	4	19	2.67	92	.13	4	2.67	.03	1.22	1	370
6 4864	6	113	7	57	.5	11	18	1254	5.01	14	5	ND	2	145	1	2	3	62	3.71	.118	4	14	1.15	51	.07	8	1.34	.02	.67	2	390
6 4865	2	22	7	29	.6	3	8	1008	2.45	8	5	ND	1	184	1	2	2	29	3.63	.104	7	3	.53	64	.01	16	.67	.02	.16	3	550
6 4866	4	119	9	57	.1	12	13	1122	3.90	5	5	ND	1	95	1	2	2	81	3.81	.108	7	24	1.66	36	.01	5	1.49	.02	.18	1	28
6 4867	5	80	4	52	.3	8	13	1079	3.66	8	5	ND	2	105	1	2	3	68	3.28	.121	6	17	1.19	52	.02	5	1.26	.03	.25	1	96
6 4868	5	185	9	85	.1	17	18	1277	4.76	11	5	ND	2	89	1	2	2	81	2.88	.118	5	53	2.04	42	.03	4	1.94	.03	.36	1	64
6 4869	13	100	2	72	.3	13	13	1318	4.04	8	5	ND	2	123	1	2	5	84	3.57	.100	6	58	1.53	57	.03	5	1.56	.03	.40	2	98
6 4870	3	251	7	72	.1	15	22	1694	5.37	18	5	ND	1	124	1	2	6	32	4.27	.120	7	12	1.28	38	.01	12	.67	.01	.16	1	40
6 4871	7	283	4	54	.1	18	27	1033	4.94	25	5	ND	1	126	1	2	3	40	3.21	.139	8	16	.51	38	.01	10	1.03	.01	.24	2	42
6 4872	4	132	5	62	.1	16	25	1400	4.70	17	5	ND	1	139	1	2	2	31	3.57	.126	4	11	.75	28	.01	6	.68	.02	.22	1	53
6 4873	2	69	4	91	.1	11	21	1622	5.02	16	5	ND	1	197	1	2	2	55	3.75	.112	5	35	1.42	47	.03	10	1.38	.02	.39	1	33
6 4874	4	45	6	94	.1	23	20	1224	5.39	17	5	ND	3	107	1	2	2	105	2.36	.111	3	55	2.20	68	.08	9	2.17	.03	.77	1	31
6 4875	3	118	4	83	.2	13	18	1032	4.50	12	5	ND	3	81	1	2	4	89	2.10	.112	3	38	1.80	63	.08	8	1.83	.03	.67	1	28
6 4876	3	583	7	61	.7	22	32	1094	4.13	14	5	ND	1	183	1	2	2	49	3.54	.092	2	21	1.12	43	.06	13	1.24	.01	.22	1	96
STD L/AU-M	20	62	38	132	7.5	67	29	1031	3.81	39	16	8	40	51	19	18	22	59	.47	.090	40	61	.85	179	.07	34	1.85	.06	.14	12	490

IMPERIAL METALS PROJECT-4117 FIRM # B7 1984

Fac

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUT
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6 4877	5	90	4	112	.2	17	23	1224	5.59	19	5	ND	3	58	1	2	8	102	1.68	.110	2	30	2.21	40	.15	4	2.18	.03	1.05	1	36
6 4878	5	92	4	151	.3	29	29	1564	6.82	15	8	ND	3	97	1	2	6	101	2.39	.095	3	155	2.79	38	.11	3	2.35	.02	.45	1	57
6 4879	4	45	2	113	.2	13	20	1145	4.57	13	5	ND	2	91	1	2	8	95	1.75	.110	2	17	1.93	45	.13	7	1.77	.02	.36	3	43
6 4880	5	110	10	132	.4	13	23	1122	4.68	15	5	ND	3	61	1	2	6	89	1.25	.111	2	32	2.00	43	.12	2	1.80	.02	.51	1	48
6 4881	8	143	7	138	.4	22	29	1249	6.14	18	5	ND	3	63	1	2	7	94	1.34	.106	3	76	2.17	31	.12	2	1.89	.02	.29	1	60
6 4882	10	164	2	110	.3	16	24	1029	5.38	13	5	ND	3	65	1	2	3	88	1.20	.106	2	29	1.82	37	.12	3	1.65	.02	.47	1	56
6 4883	10	30	6	131	.2	16	26	1202	5.30	11	5	ND	3	65	1	2	5	90	1.36	.104	2	38	2.20	41	.12	5	1.98	.02	.51	1	47
6 4884	2	68	7	90	.4	9	16	944	3.87	14	5	ND	3	88	1	2	8	72	1.48	.099	2	19	1.62	55	.10	7	1.55	.02	.55	2	46
6 4885	2	93	11	76	.2	12	19	1031	4.60	12	5	ND	3	74	1	2	2	94	1.64	.095	3	29	1.83	50	.08	4	1.73	.02	.66	1	79
6 4886	1	23	2	121	.2	9	26	1087	5.14	17	5	ND	2	60	1	2	2	98	1.18	.109	2	1	2.21	40	.13	8	2.07	.02	.55	1	39
6 4887	3	26	6	114	.1	11	30	1061	5.31	20	5	ND	1	92	1	2	2	81	.94	.101	2	11	2.04	42	.15	8	1.92	.02	.49	1	69
6 4888	3	84	12	116	.1	12	33	1093	6.20	20	5	ND	2	50	1	2	3	82	.82	.099	2	12	2.31	33	.14	8	2.16	.02	.65	1	51
6 4889	3	59	5	137	.1	16	32	1233	6.17	19	5	ND	1	45	1	2	2	79	.76	.100	2	13	2.81	40	.15	4	2.54	.02	.55	1	39
6 4890	6	38	7	139	.2	13	28	1158	5.89	14	5	ND	1	43	1	2	2	77	.78	.101	2	13	2.56	44	.14	5	2.44	.01	.95	1	49
6 4891	3	29	5	88	.2	8	21	814	3.85	14	5	ND	1	56	1	3	6	54	1.11	.104	2	11	1.46	52	.11	5	1.48	.02	.57	2	48
6 4892	3	18	6	78	.1	6	15	683	3.05	11	5	ND	3	53	1	3	5	51	.93	.108	2	7	1.22	53	.09	11	1.25	.03	.52	2	55
6 4893	8	26	2	84	.2	6	17	831	3.11	14	5	ND	2	91	1	2	4	60	1.34	.105	2	5	1.27	80	.09	5	1.46	.03	.73	1	38
6 4894	5	70	2	119	.3	16	43	1214	7.45	34	5	ND	3	35	1	2	5	110	1.26	.093	2	18	2.17	33	.18	2	2.22	.01	1.20	1	96
6 4895	22	18	5	62	.1	14	23	1362	4.15	8	5	ND	1	121	1	2	7	62	4.10	.064	2	12	1.15	57	.09	7	1.39	.01	.85	2	49
6 4896	7	311	2	138	.6	20	29	1504	5.56	20	5	ND	3	59	1	2	2	95	2.12	.096	2	23	2.40	66	.13	9	2.46	.02	1.08	1	51
6 4897	26	221	4	134	.6	21	42	1469	6.34	22	11	ND	4	94	1	2	5	95	2.75	.090	2	21	2.25	55	.13	2	2.37	.01	.84	1	72
6 4898	15	29	2	127	.2	17	34	1312	6.77	21	5	ND	3	86	1	2	11	111	1.94	.091	2	23	2.39	40	.13	5	2.48	.02	1.24	1	41
6 4899	3	52	2	148	.2	21	31	1549	7.30	23	5	ND	2	66	1	2	2	146	2.11	.087	2	24	2.81	38	.19	8	2.91	.02	1.88	5	71
6 4900	5	40	2	45	.6	15	13	966	2.86	7	5	ND	3	104	1	3	2	36	2.96	.045	2	16	.87	61	.04	2	1.01	.02	.48	27	220
SID C/AU-R	19	57	40	131	7.2	69	28	1017	3.70	40	17	8	38	50	18	15	22	56	.46	.084	37	59	.83	179	.06	32	1.80	.06	.13	12	490

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: SEPT 23 1987

DATE REPORT MAILED: Oct 2/87

ASSAYER: *D. J. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERILA METALS PROJECT-4117

File # 87-4385

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
6 4901	44	27	42	56	2.9	17	10	1472	3.04	13	5	2	1	526	1	86	2	29	3.70	.057	2	17	.25	37	.01	2	.27	.05	.04	1	3790
6 4902	1	272	53	113	.6	14	22	1402	3.62	13	5	ND	1	121	1	6	2	93	3.15	.100	2	15	1.94	40	.17	6	1.93	.05	.12	1	132
6 4903	1	21	27	104	.2	14	34	1184	5.54	15	5	ND	1	113	1	17	2	82	1.59	.114	2	17	1.84	50	.17	2	1.72	.05	.47	1	64
6 4904	1	37	37	99	.2	13	27	1408	4.87	12	5	ND	1	133	1	8	2	84	2.70	.108	2	18	1.70	32	.15	2	1.53	.04	.18	1	65
6 4905	1	69	13	87	.4	13	28	1439	5.18	18	5	ND	1	96	1	12	2	97	2.26	.118	2	18	1.70	44	.19	2	1.61	.04	.44	1	55
6 4906	1	153	9	97	.3	13	24	1957	5.59	12	5	ND	1	186	1	6	2	100	5.21	.095	2	24	1.91	38	.13	5	1.85	.02	.34	1	85
6 4907	2	19	5	76	.1	21	23	1143	4.16	11	5	ND	1	182	1	11	2	70	3.10	.097	4	49	1.63	77	.08	2	1.65	.04	.47	1	66
6 4908	2	14	7	97	.2	25	31	1148	5.04	6	5	ND	1	220	1	5	2	84	2.34	.094	3	46	2.02	54	.03	2	1.81	.05	.28	1	68
6 4909	2	16	7	98	.3	23	32	1032	5.56	13	5	ND	1	159	1	9	2	85	1.71	.083	3	45	1.93	56	.07	2	1.85	.05	.37	1	67
6 4910	1	20	7	105	.1	24	31	1233	5.45	12	5	ND	1	162	1	4	2	107	2.09	.095	3	40	2.23	70	.08	4	2.13	.05	.54	1	48
6 4911	1	91	6	113	.2	25	37	1683	6.06	17	5	ND	1	188	1	3	2	137	3.19	.117	2	77	2.65	78	.17	2	2.65	.04	.92	1	76
6 4912	1	42	4	89	.2	23	18	1228	4.00	8	5	ND	1	150	1	5	2	105	2.64	.109	3	63	1.95	93	.12	2	1.93	.05	.45	1	44
6 4913	5	39	2	74	.3	23	20	1081	3.95	12	5	ND	1	234	1	6	2	55	3.24	.101	4	45	1.44	93	.08	2	1.65	.03	.70	1	68
6 4914	1	63	3	63	.1	16	11	883	2.69	10	5	ND	1	122	1	2	2	39	2.08	.079	6	29	1.09	108	.08	9	1.32	.05	.50	1	35
6 4915	1	81	7	76	.3	14	14	1337	3.88	10	5	ND	1	318	1	6	2	40	4.03	.110	5	20	1.54	137	.01	10	1.33	.03	.20	1	144
6 4916	2	696	6	85	.7	16	26	999	4.54	11	5	ND	1	110	1	3	2	64	1.92	.116	4	36	1.61	69	.11	4	1.76	.05	.44	1	126
6 4917	3	409	4	74	.4	12	16	863	3.44	15	5	ND	1	81	1	7	2	61	1.81	.122	3	22	1.38	72	.13	10	1.54	.06	.61	2	63
6 4918	1	146	8	60	.1	13	12	641	2.67	10	5	ND	1	81	1	5	2	34	1.52	.087	2	25	.97	42	.08	8	1.08	.05	.21	1	29
6 4919	1	14	5	49	.1	17	8	572	1.78	10	5	ND	1	111	1	5	2	18	1.64	.055	5	20	.61	111	.02	5	.74	.05	.16	1	33
6 4920	1	23	5	50	.2	11	7	873	2.44	6	5	ND	1	200	1	4	2	26	2.59	.075	3	12	.84	158	.02	5	.79	.04	.26	2	27
6 4921	2	264	4	66	.5	9	25	1207	3.38	10	5	ND	1	237	1	7	2	19	3.08	.079	3	2	1.19	80	.01	12	.46	.04	.32	1	44
6 4922	1	856	5	100	1.0	17	28	1994	6.22	9	5	ND	1	219	1	4	2	41	5.96	.104	2	9	1.79	98	.02	2	.90	.01	.51	1	122
6 4923	1	456	9	82	.6	14	27	1850	5.26	11	5	ND	1	249	1	7	2	30	5.47	.122	6	4	1.46	81	.01	9	.66	.02	.42	1	345
6 4924	1	490	6	55	.5	5	20	916	3.45	21	5	ND	1	235	1	13	2	14	2.51	.106	4	1	.96	40	.01	11	.38	.03	.27	1	57
6 4925	2	483	7	54	.5	6	17	920	3.63	27	5	ND	1	182	1	18	2	13	2.41	.098	2	1	.99	35	.01	16	.36	.03	.26	1	103
6 4926	1	80	5	51	.3	8	10	928	3.41	11	5	ND	1	157	1	6	2	18	2.30	.106	6	4	1.04	73	.01	4	.38	.03	.28	2	56
6 4927	3	67	7	51	.4	13	14	884	3.40	16	5	ND	1	187	1	7	2	17	2.61	.097	3	1	1.10	53	.01	6	.39	.03	.27	2	240
6 4928	4	45	7	103	.3	112	13	1838	4.34	25	5	ND	1	199	1	5	2	27	5.60	.096	4	24	2.83	191	.01	5	.40	.01	.28	1	30
6 4929	3	22	9	116	.4	121	26	2063	5.73	19	5	ND	2	161	1	3	2	27	6.72	.101	3	30	2.95	80	.01	4	.41	.01	.31	1	129
6 4930	3	165	8	116	.4	143	15	2148	4.68	29	5	ND	1	223	1	5	2	29	6.07	.101	3	29	3.23	136	.01	5	.43	.01	.30	1	39
6 4931	2	120	8	110	.3	149	13	2056	4.55	24	5	ND	1	216	1	4	2	30	5.75	.106	2	34	3.04	246	.01	6	.46	.01	.30	1	23
6 4932	2	48	7	105	.3	32	24	1590	7.71	10	5	ND	1	140	1	5	2	55	3.49	.117	5	5	2.08	101	.02	3	.79	.03	.51	1	37
6 4933	4	33	7	97	.3	29	16	1877	6.64	7	5	ND	1	209	1	3	2	93	3.00	.147	11	95	2.13	228	.05	2	1.38	.04	.60	1	19
6 4934	4	269	5	106	.5	72	19	2242	5.80	11	5	ND	2	124	1	2	2	96	3.49	.122	9	141	3.07	180	.05	4	2.18	.03	.56	1	94
6 4935	11	105	5	134	.2	71	20	2966	5.96	9	5	ND	1	120	1	2	2	94	5.67	.133	4	173	3.38	202	.03	10	1.44	.01	.53	1	59
6 4936	15	18	5	50	.1	21	8	892	2.39	7	5	ND	1	226	1	3	2	16	2.70	.065	2	18	1.19	328	.01	6	.41	.04	.22	2	23
STD C/AU-R	17	57	38	132	7.2	67	27	1031	3.65	40	20	7	38	50	17	15	23	57	.44	.085	37	58	.82	178	.08	32	1.73	.08	.14	13	510

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUR
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 4937	5	79	75	117	.8	39	21	2193	6.69	16	5	ND	1	211	1	2	2	45	5.32	.117	7	53	2.68	78	.01	2	.50	.02	.28	1	35
6 4938	1	13	5	44	.1	19	17	891	3.45	13	5	ND	1	334	1	2	3	14	2.57	.061	2	16	1.08	40	.01	3	.35	.04	.22	1	87
6 4939	2	7	34	47	.3	11	14	907	2.89	9	5	ND	1	239	1	2	2	6	3.33	.049	2	4	1.15	48	.01	3	.31	.04	.21	1	9
6 4940	4	7	5	27	.2	7	7	801	1.74	6	5	ND	1	245	1	2	2	5	2.83	.052	2	2	.95	211	.01	3	.36	.03	.23	1	8
6 4941	3	114	10	66	.4	12	14	1825	3.62	11	5	ND	1	230	1	2	2	23	6.31	.089	3	2	1.86	69	.01	8	.33	.02	.23	1	45
6 4942	2	215	6	50	.6	9	18	1303	3.73	18	6	ND	1	217	1	2	3	23	4.52	.134	5	3	1.29	47	.01	16	.41	.04	.27	1	83
6 4943	5	104	13	102	.6	8	14	1841	6.56	15	5	ND	1	769	1	2	2	70	4.69	.108	6	5	1.84	49	.02	2	1.53	.03	.20	1	32
6 4944	1	130	8	91	.5	9	17	2057	5.82	17	10	ND	1	219	1	2	3	51	5.72	.101	5	5	2.03	54	.01	2	.83	.03	.25	1	29
6 4945	2	118	10	110	.4	16	19	1754	6.34	15	5	ND	1	268	1	2	3	103	4.40	.111	4	23	2.18	45	.07	2	1.88	.05	.10	1	50
6 4946	11	13	3	23	.1	12	6	614	1.39	4	5	ND	1	111	1	2	2	8	1.97	.053	2	6	.41	161	.01	2	.44	.05	.18	1	19
6 4947	28	8	8	36	.3	13	5	1015	1.51	3	5	ND	1	129	1	2	2	9	4.28	.052	2	8	.47	155	.01	4	.60	.04	.18	1	120
6 4948	8	10	5	36	.1	15	8	823	1.82	5	5	ND	1	85	1	2	2	10	3.03	.057	2	11	.53	83	.01	2	.66	.05	.17	1	22
6 4949	38	4	10	46	.2	16	1	750	1.20	3	5	ND	1	161	1	2	2	28	2.33	.047	2	27	.73	69	.07	2	.75	.07	.34	4	12
6 4950	1	6	4	60	.1	18	2	726	1.45	5	5	ND	1	80	1	2	2	39	1.71	.072	3	38	1.02	56	.10	2	1.09	.07	.49	1	4
6 4951	1	28	6	72	.2	24	8	918	2.48	20	5	ND	1	71	1	2	2	62	1.71	.083	3	30	1.43	88	.13	11	1.32	.09	.63	1	11
6 4952	6	6	3	60	.1	19	6	734	2.29	4	5	ND	1	98	1	2	2	40	1.27	.055	2	30	1.11	76	.09	2	1.06	.08	.53	4	9
6 4953	25	4	3	47	.2	16	3	510	1.32	4	5	ND	1	78	1	2	2	18	.82	.053	2	21	.67	61	.06	3	.81	.07	.45	2	13
6 4954	9	6	4	87	.1	18	3	1009	2.16	6	5	ND	1	74	1	2	2	50	1.59	.070	2	29	1.37	106	.12	2	1.41	.08	.60	1	1
6 4955	3	13	5	97	.2	23	13	1204	3.11	7	5	ND	1	110	1	2	2	61	1.98	.081	2	26	1.82	102	.14	2	1.75	.07	.53	7	11
6 4956	9	253	10	129	.6	29	33	1578	6.53	19	5	ND	2	118	1	2	2	90	3.14	.100	4	16	2.87	54	.10	2	2.21	.05	.42	1	42
6 4957	14	3	3	60	.1	15	3	853	1.50	2	5	ND	1	80	1	2	2	19	2.17	.061	3	19	.83	75	.06	15	.98	.05	.47	1	9
6 4958	32	89	5	33	.4	8	18	1649	2.93	2	5	ND	1	177	1	2	2	20	7.67	.050	2	9	.49	72	.03	3	.70	.01	.40	5	560
6 4959	1	434	4	80	.6	25	21	1397	5.70	18	5	ND	1	68	1	2	2	118	2.27	.126	2	82	2.37	72	.15	2	2.17	.07	.72	1	76
6 4960	1	282	3	52	.3	26	18	839	4.54	16	5	ND	1	72	1	2	2	67	1.59	.121	2	61	1.48	39	.13	2	1.30	.07	.25	1	42
6 4961	2	63	5	60	.2	19	13	990	5.48	17	5	ND	1	63	1	2	2	95	1.70	.113	2	58	1.75	66	.13	2	1.64	.09	.71	1	40
6 4962	1	350	5	86	.4	24	23	1147	5.80	20	5	ND	1	82	1	3	2	89	1.62	.127	2	49	2.04	33	.12	2	1.71	.07	.20	1	96
6 4963	13	59	2	73	.2	17	14	936	3.44	8	5	ND	1	69	1	2	2	57	1.89	.093	2	40	1.36	34	.11	2	1.20	.07	.30	1	39
6 4964	2	15	5	119	.1	20	17	1870	4.20	12	5	ND	1	105	1	2	2	73	4.33	.097	2	43	1.91	84	.14	2	1.96	.04	.72	5	152
6 4965	2	67	5	153	.4	23	18	2203	4.55	10	5	ND	1	86	1	2	2	88	4.58	.113	2	61	2.57	22	.11	5	2.25	.05	.21	2	132
6 4966	1	70	4	112	.1	26	16	1998	3.57	12	5	ND	1	103	1	2	2	62	6.63	.108	2	40	1.87	12	.10	2	1.69	.03	.09	1	66
6 4967	2	302	6	107	.5	33	25	1192	5.94	16	5	ND	1	42	1	2	2	86	1.57	.121	2	76	2.25	51	.15	2	1.93	.08	.78	1	112
6 4968	1	432	2	93	.6	23	26	1048	5.54	21	5	ND	1	32	1	3	2	87	1.22	.128	2	32	2.03	51	.17	2	1.80	.07	.67	1	107
6 4969	1	497	4	62	.7	13	27	754	5.25	24	5	ND	1	45	1	2	2	73	1.05	.121	2	15	1.54	51	.17	2	1.42	.08	.53	1	122
6 4970	1	205	5	84	.4	13	28	1009	5.75	23	5	ND	1	37	1	2	2	91	1.17	.130	2	21	2.22	49	.17	2	1.88	.07	.44	1	82
6 4971	6	160	4	103	.4	17	33	1141	6.75	25	5	ND	1	35	1	2	3	89	.95	.130	2	20	2.57	38	.16	2	2.12	.07	.35	4	1
6 4972	13	84	6	99	.3	26	33	1189	6.49	19	5	ND	1	88	1	2	2	85	1.90	.123	2	25	2.33	48	.15	2	1.88	.05	.88	1	11
STD C/AU-R	18	58	35	132	7.3	67	27	1036	4.07	42	20	7	39	50	18	17	21	58	.44	.085	37	58	.83	180	.08	30	1.75	.08	.13	13	510

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6 4973	2	218	6	69	.4	14	18	1077	4.58	15	5	ND	3	115	1	2	2	96	2.31	.107	2	22	2.04	63	.14	2	1.93	.06	.66	1	108
6 4974	1	46	2	35	.3	13	5	502	1.45	3	5	ND	2	226	1	2	2	12	1.96	.056	3	15	.57	140	.01	3	.49	.06	.19	1	16
6 4975	2	29	2	30	.1	6	2	680	1.18	5	6	ND	2	418	1	6	2	9	2.36	.050	3	5	.73	656	.01	3	.29	.05	.20	1	6
6 4976	9	376	3	28	.5	17	6	371	1.51	4	7	ND	2	185	1	2	2	28	1.24	.058	3	26	.53	39	.05	4	.52	.08	.08	1	43
6 4977	8	383	4	39	.6	22	7	617	1.93	3	5	ND	2	166	1	2	2	36	2.06	.055	4	36	.83	43	.02	6	.79	.07	.10	1	64
6 4978	8	715	3	43	.9	27	10	540	2.75	4	5	ND	2	102	1	2	2	37	1.26	.056	4	32	.91	45	.02	2	.91	.07	.23	1	127
6 4979	12	186	3	37	.5	19	5	707	2.03	2	5	ND	2	414	1	2	2	33	2.57	.053	6	32	.89	144	.01	3	.85	.07	.12	1	62
6 4980	7	301	4	48	.3	18	9	658	2.19	3	5	ND	2	110	1	2	3	24	1.52	.056	3	25	.91	51	.02	4	.93	.07	.18	1	21
6 4981	8	135	4	47	.4	16	7	636	1.90	4	5	ND	3	122	1	2	2	28	1.55	.056	5	24	.85	82	.01	2	.88	.07	.18	2	32
6 4982	12	87	4	47	.1	18	8	652	2.02	2	5	ND	1	124	1	2	2	25	1.38	.057	4	25	.88	72	.02	2	.90	.07	.17	1	20
6 4983	12	95	3	41	.2	13	6	657	2.01	10	5	ND	2	207	1	12	2	13	2.17	.047	5	11	.89	357	.01	3	.47	.05	.23	1	18
6 4984	9	79	3	31	.2	10	7	645	1.87	11	8	ND	3	247	1	13	2	7	2.60	.054	4	3	.88	371	.01	8	.20	.04	.15	1	13
6 4985	7	52	4	39	.1	11	6	640	1.81	9	5	ND	2	149	1	12	2	6	1.93	.049	5	3	.80	380	.01	3	.29	.05	.21	1	14
6 4986	5	39	4	36	.2	12	10	581	1.78	4	5	ND	3	100	1	2	2	13	2.08	.048	6	11	.47	119	.01	3	.37	.05	.20	1	18
6 4987	28	81	3	40	.2	14	5	541	1.83	4	5	ND	3	151	1	2	2	24	1.43	.049	4	25	.70	53	.02	2	.77	.06	.14	1	5
6 4988	11	206	4	42	.1	18	5	545	2.54	2	5	ND	2	98	1	2	2	27	1.16	.050	4	29	.76	69	.01	2	.84	.08	.15	1	28
6 4989	18	180	4	29	.5	12	4	589	1.78	4	5	ND	3	507	1	2	2	14	2.25	.049	6	14	.72	318	.01	2	.43	.07	.19	1	102
6 4990	5	195	2	33	.4	20	7	559	1.98	5	5	ND	3	42	1	2	2	34	1.28	.063	8	25	.33	32	.01	2	.30	.08	.08	1	15
6 4991	9	209	5	33	.1	18	8	470	1.84	3	5	ND	1	29	1	2	2	32	.48	.062	8	24	.30	57	.01	2	.44	.06	.17	1	5
6 4992	14	328	3	48	.4	23	10	542	2.47	7	5	ND	2	36	1	2	2	20	1.18	.058	4	23	.65	91	.03	3	.79	.05	.49	1	22
6 4993	13	53	4	45	.2	24	14	643	2.48	4	5	ND	2	32	1	2	2	21	1.25	.058	4	26	.84	100	.03	2	.77	.06	.50	1	6
6 4994	17	151	2	43	.2	25	6	606	1.63	6	5	ND	2	43	1	2	2	22	2.08	.059	3	22	.99	94	.02	3	.56	.06	.32	1	18
6 4995	19	10	2	41	.1	20	4	565	1.26	4	5	ND	2	32	1	2	2	28	1.78	.060	4	20	.68	52	.01	2	.33	.08	.09	1	6
6 4996	55	178	3	41	.4	25	5	857	1.82	6	5	ND	2	108	1	2	2	15	2.90	.065	4	10	1.08	444	.01	2	.27	.06	.13	1	90
6 4997	2	82	7	88	.4	77	11	1854	6.21	6	5	ND	3	127	1	2	2	54	4.97	.112	7	61	2.33	323	.01	2	.37	.03	.19	2	11
6 4998	1	36	6	95	.5	27	12	1815	6.20	9	5	ND	4	94	1	2	2	87	4.56	.128	8	26	1.71	286	.05	2	.86	.04	.59	1	4
6 4999	3	378	9	112	.5	32	15	2286	7.96	10	5	ND	3	82	1	2	2	128	2.25	.146	7	40	1.33	290	.05	2	1.11	.05	.63	3	1
6 5000	3	333	9	128	.4	32	15	1396	5.70	5	5	ND	2	63	1	2	2	142	1.51	.149	7	40	1.84	214	.10	3	1.94	.05	1.16	1	1
6 7001	3	140	8	148	.5	34	18	1946	6.97	8	5	ND	2	402	1	2	2	143	4.66	.134	5	43	2.02	172	.08	2	1.45	.04	.34	1	72
6 7002	2	23	11	108	.4	22	16	1835	5.66	7	5	ND	3	162	1	2	2	78	6.62	.103	7	15	2.23	699	.03	2	.73	.03	.48	2	13
STD C/AU-R	18	58	35	132	7.2	67	27	1033	3.84	38	20	7	38	49	18	17	22	56	.44	.084	37	57	.82	176	.08	31	1.73	.08	.13	11	495

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 5 1987 DATE REPORT MAILED: Oct 10 / 87 ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4629 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
6 7003	1	6	4	31	.1	9	4	875	1.27	4	5	ND	1	56	1	2	2	9	2.49	.061	6	14	.74	620	.01	4	.34	.03	.20	1	3
6 7004	3	8	2	51	.1	19	4	839	1.61	3	5	ND	2	56	1	2	2	22	2.03	.061	5	32	.64	132	.01	2	.65	.03	.19	1	3
6 7005	3	9	3	59	.1	22	7	1004	1.85	3	5	ND	1	68	1	2	2	23	2.70	.060	7	34	.72	125	.01	9	.73	.03	.19	1	8
6 7006	2	5	5	54	.1	14	3	916	1.52	4	5	ND	1	91	1	2	2	19	2.63	.062	8	21	.43	173	.01	3	.41	.03	.16	1	7
6 7007	3	15	9	304	.3	24	24	1706	5.17	8	5	ND	1	98	2	2	2	51	2.99	.095	6	35	1.70	53	.02	2	1.54	.02	.23	1	44
6 7008	3	16	4	157	.3	21	20	1642	4.75	9	5	ND	1	120	2	2	2	45	3.29	.085	6	31	1.17	55	.01	2	1.12	.02	.20	1	58
6 7009	2	12	6	148	.4	16	20	1844	4.27	9	5	ND	2	158	2	2	2	61	4.05	.103	6	27	1.46	54	.01	2	1.37	.01	.17	1	42
6 7010	3	22	10	199	.4	22	31	1982	6.00	16	5	ND	1	114	1	2	2	83	3.06	.111	2	47	2.52	43	.05	2	2.18	.02	.24	1	80
STD C/AU-R	18	60	37	129	7.0	66	27	998	3.89	41	19	7	38	48	18	17	20	56	.49	.084	36	58	.89	182	.08	36	1.79	.06	.12	13	510
6 7011	1	38	14	135	.2	17	15	1216	3.67	10	5	ND	2	67	1	2	2	47	1.24	.080	3	37	1.67	58	.02	2	1.42	.03	.14	1	52
6 7012	1	81	5	150	.4	17	20	1754	5.17	14	5	ND	1	79	1	2	2	90	1.52	.097	3	41	2.57	44	.02	2	2.02	.01	.16	1	94
6 7013	2	242	13	241	.8	20	33	2008	6.42	16	5	ND	1	110	2	2	2	91	1.38	.113	2	39	3.04	32	.04	2	2.45	.02	.20	1	106
6 7014	3	27	16	375	.4	17	35	1560	4.96	13	5	ND	1	109	4	2	2	94	1.92	.084	2	28	2.18	40	.13	3	1.82	.02	.24	1	79
6 7015	2	21	17	231	.4	18	41	2084	6.27	15	5	ND	1	141	1	2	2	121	2.66	.113	3	28	2.89	43	.09	3	2.36	.02	.33	1	80
6 7016	3	20	12	181	.5	17	32	1959	6.02	15	5	ND	1	131	1	2	2	112	2.41	.097	2	28	2.69	37	.06	4	2.16	.02	.21	2	340
6 7017	2	18	8	99	.1	17	15	1271	3.24	9	5	ND	1	215	1	2	2	42	2.45	.076	6	31	1.35	102	.01	3	1.23	.02	.14	1	57
6 7018	2	93	9	82	.4	17	21	1449	4.45	10	5	ND	1	160	1	2	2	37	3.00	.092	6	19	.65	48	.01	3	.52	.02	.20	1	103
6 7019	1	96	3	50	.1	14	11	1029	2.71	6	5	ND	1	115	1	2	2	26	2.78	.064	6	24	.77	78	.01	2	.74	.02	.16	1	50
6 7020	3	104	6	98	.4	21	24	2407	6.62	8	5	ND	1	336	2	2	2	122	6.71	.105	5	65	2.10	58	.01	2	1.65	.01	.10	1	57
6 7021	2	74	2	73	.3	18	21	1661	4.71	8	5	ND	1	2025	1	2	2	78	3.62	.097	3	57	1.75	74	.05	2	1.40	.02	.13	1	25
6 7022	3	32	2	106	.4	22	23	1846	5.98	13	5	ND	1	1935	2	2	2	128	3.11	.123	2	87	3.03	71	.11	2	2.30	.01	.19	1	17
6 7023	3	25	3	73	.2	18	25	1402	4.77	12	5	ND	1	828	1	2	2	87	3.08	.124	2	66	1.94	32	.13	2	1.44	.02	.07	1	30
6 7024	2	48	17	128	.3	18	37	1522	6.69	15	5	ND	1	219	1	2	2	116	1.99	.107	2	30	3.07	36	.19	4	2.36	.01	.34	1	32
6 7025	5	106	13	156	.7	21	51	1817	8.89	20	5	ND	1	230	1	2	2	140	2.59	.100	2	28	3.63	32	.11	2	2.64	.01	.23	1	52
6 7026	3	28	7	104	.1	16	36	1683	5.25	16	5	ND	1	208	1	2	2	101	3.93	.110	2	26	2.54	25	.11	2	2.00	.01	.22	2	39
6 7027	3	105	11	118	.3	19	39	1598	6.74	15	5	ND	1	166	1	2	2	134	2.19	.106	2	33	2.94	26	.16	3	2.23	.02	.20	1	78
6 7028	3	78	4	117	.4	14	31	1573	5.84	14	5	ND	1	127	2	2	2	127	2.34	.114	2	21	2.83	39	.11	3	2.20	.02	.18	1	47
6 7029	1	17	5	107	.8	15	23	1675	5.44	13	5	ND	1	237	1	2	2	101	3.61	.121	5	15	2.16	41	.04	2	1.79	.01	.16	1	66
6 7030	1	21	6	53	.3	16	26	951	4.85	16	5	ND	1	137	1	2	2	41	2.31	.089	6	28	.86	32	.01	2	.86	.02	.14	1	230
6 7031	3	146	2	72	.5	20	34	1835	5.55	32	5	ND	1	201	2	4	2	51	5.62	.089	5	19	.59	30	.01	4	.45	.01	.19	2	140
6 7032	3	194	5	98	.5	15	38	1686	8.21	29	5	ND	1	195	1	2	2	96	4.57	.111	6	25	1.61	30	.01	5	1.17	.01	.16	1	260
6 7033	2	60	2	100	.1	10	12	1660	4.26	9	5	ND	1	213	1	2	2	103	3.78	.084	5	27	2.21	63	.04	2	2.01	.02	.35	1	34
6 7034	6	102	5	102	.4	15	34	1771	8.36	22	5	ND	1	2449	1	2	2	97	3.77	.083	5	25	2.61	50	.01	7	2.07	.01	.06	1	295
6 7035	6	427	2	128	.8	19	44	1702	10.12	23	5	ND	2	155	1	2	2	139	2.96	.094	6	30	2.92	41	.08	4	2.35	.01	.86	1	240
6 7036	5	30	4	43	.3	16	14	673	2.66	9	5	ND	2	97	1	2	2	21	1.64	.055	2	20	.83	81	.01	5	.45	.02	.25	2	170
6 7219	2	41	2	87	.3	22	16	1778	5.54	6	5	ND	1	287	1	2	2	28	4.62	.085	5	41	2.01	870	.01	6	.38	.01	.22	2	34
6 7220	1	250	3	67	.4	7	12	1803	4.08	15	5	ND	1	167	1	2	2	25	5.04	.073	7	10	1.88	886	.01	2	.29	.01	.17	2	69

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: SEPT 30 1987

DATE REPORT MAILED: *Oct 9/87*ASSAYER: *D. Toyer* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117

File # 87-4563

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
6 7037	8	636	8	106	.9	15	36	1974	8.45	49	5	ND	2	134	1	2	2	117	3.81	.102	9	10	1.63	36	.04	6	.87	.05	.39	1	290
6 7038	2	26	2	36	.3	10	6	932	1.75	6	5	ND	2	79	1	2	2	14	2.69	.046	6	7	.92	159	.01	2	.32	.05	.16	1	28
6 7039	2	14	3	44	.3	15	4	896	1.46	5	5	ND	2	109	1	2	2	20	3.37	.054	4	11	1.18	299	.01	2	.34	.06	.14	1	16
6 7040	1	6	2	40	.1	12	6	864	1.58	5	5	ND	2	66	1	2	2	15	2.60	.060	7	10	.77	196	.01	2	.36	.05	.19	1	27
6 7041	1	8	3	35	.1	10	5	966	1.52	6	5	ND	2	102	1	2	2	10	3.33	.057	6	7	.73	364	.01	4	.27	.05	.15	1	43
6 7042	2	26	2	37	.2	8	3	1063	1.47	6	5	ND	2	141	1	10	2	6	3.21	.055	4	2	.89	547	.01	9	.31	.04	.16	1	21
6 7043	1	23	2	44	.4	9	3	1351	1.83	5	5	ND	2	110	1	4	2	10	4.26	.055	8	5	1.27	307	.01	3	.32	.04	.18	1	141
6 7044	1	5	2	58	.4	15	4	1579	2.23	4	5	ND	3	138	1	2	2	14	3.90	.090	5	38	1.21	384	.01	9	.37	.03	.20	1	2
6 7045	1	15	2	32	.1	14	3	806	1.48	3	5	ND	2	98	1	2	2	20	2.28	.063	9	22	.44	110	.01	2	.41	.05	.17	1	1
6 7046	2	26	5	38	.3	16	3	888	1.48	5	5	ND	2	88	1	2	2	26	2.79	.059	6	28	.52	32	.01	10	.60	.05	.06	1	7
6 7047	1	9	2	50	.1	21	4	930	1.90	6	5	ND	2	96	1	2	2	24	2.06	.061	5	27	.68	117	.02	5	.95	.05	.31	3	5
6 7048	2	17	2	31	.2	15	3	1113	1.35	5	5	ND	2	118	1	2	2	13	3.75	.063	5	11	.33	248	.01	3	.42	.03	.20	1	49
6 7049	1	21	2	28	.2	12	2	890	1.17	2	5	ND	2	98	1	2	2	11	2.69	.060	8	8	.28	163	.01	5	.38	.04	.19	1	1
6 7050	1	7	2	38	.3	15	3	1250	1.61	2	5	ND	2	112	1	2	2	13	4.76	.043	6	9	.46	212	.01	3	.30	.03	.15	1	36
6 7051	1	7	2	35	.3	13	2	946	1.30	4	5	ND	3	82	1	2	2	12	2.70	.063	6	12	.42	182	.01	4	.33	.05	.15	2	4
6 7052	1	10	3	55	.1	15	4	998	1.96	4	5	ND	3	92	1	2	2	13	3.11	.060	6	16	.44	187	.01	2	.40	.04	.19	1	19
6 7053	1	12	4	41	.4	12	4	1339	1.81	3	5	ND	3	91	1	5	2	12	4.43	.059	8	9	.82	416	.01	6	.38	.03	.22	1	6
6 7054	2	9	5	49	.2	11	8	1345	2.34	5	5	ND	2	91	1	4	2	9	3.71	.065	7	6	1.06	238	.01	3	.38	.04	.25	1	10
6 7055	8	8	6	81	.3	15	16	2134	3.99	7	5	ND	2	116	1	2	2	32	5.97	.120	7	4	1.54	82	.01	6	.56	.02	.31	1	34
6 7056	3	10	4	101	.3	17	17	2230	4.36	5	5	ND	3	135	1	2	2	71	6.00	.115	7	14	1.20	87	.02	4	1.23	.03	.27	1	29
6 7057	24	68	4	75	.9	17	29	1716	6.54	11	5	ND	3	103	1	2	2	28	4.76	.088	4	8	.76	27	.01	3	.48	.02	.27	1	204
6 7058	2	38	2	40	.4	10	12	1182	3.34	9	5	ND	2	130	1	2	2	8	3.94	.064	3	3	.51	46	.01	10	.47	.03	.28	1	113
6 7059	2	6	3	34	.3	10	10	925	1.88	5	5	ND	2	118	1	2	2	7	3.35	.050	4	5	.41	135	.01	2	.49	.02	.26	1	36
6 7060	3	69	6	89	.3	13	27	1411	5.28	13	5	ND	3	114	1	2	2	50	2.66	.122	6	2	1.77	51	.04	4	2.07	.04	.52	1	32
6 7061	1	144	8	86	.5	10	23	1274	4.48	13	5	ND	3	127	1	2	2	57	2.37	.122	3	1	2.02	69	.12	8	2.39	.05	.57	2	44
6 7062	17	1666	3	90	1.5	28	39	1429	5.84	12	5	ND	2	102	1	2	2	56	2.57	.092	6	35	2.04	36	.04	4	2.22	.04	.19	1	168
6 7063	1	119	4	32	.2	16	15	524	4.11	15	5	ND	2	48	1	2	2	10	1.45	.059	2	9	.45	41	.01	7	.79	.04	.35	2	170
6 7064	1	16	2	28	.1	16	10	556	2.26	12	5	ND	2	44	1	2	2	8	1.66	.056	3	11	.36	43	.01	3	.65	.04	.24	1	61
6 7065	1	92	3	38	.2	13	17	700	3.27	6	5	ND	2	103	1	2	2	16	1.55	.053	3	13	.77	40	.01	2	1.10	.04	.23	1	83
6 7066	1	56	2	48	.1	17	16	839	3.17	6	5	ND	1	83	1	2	2	29	1.45	.065	3	12	1.04	46	.05	6	1.25	.05	.35	2	63
6 7067	1	5	2	37	.2	14	4	690	1.78	4	5	ND	2	155	1	2	2	11	2.12	.048	4	16	.69	56	.01	3	.90	.05	.21	2	29
6 7068	1	6	2	38	.3	15	3	545	1.46	4	5	ND	2	55	1	3	2	13	1.44	.053	2	18	.75	28	.05	5	.88	.05	.17	1	38
6 7069	1	4	3	34	.1	15	4	553	1.39	4	5	ND	2	47	1	2	2	12	1.60	.053	2	18	.64	41	.04	5	.80	.06	.19	1	18
6 7070	1	4	2	35	.2	15	3	616	1.28	3	5	ND	2	54	1	2	2	11	1.93	.051	2	19	.66	52	.04	7	.82	.06	.21	4	8
6 7071	1	9	4	34	.1	16	4	568	1.32	4	5	ND	2	42	1	2	2	12	1.69	.057	2	18	.64	41	.05	5	.78	.05	.21	2	9
6 7072	2	16	3	34	.1	94	45	428	8.36	6	5	ND	1	59	1	2	2	6	1.44	.051	2	8	.35	17	.04	3	.61	.04	.10	2	225
STD C/AU-R	18	58	37	135	7.5	65	27	1044	3.98	38	17	7	39	50	17	17	20	57	.49	.085	37	57	.87	179	.08	38	1.85	.08	.13	13	500

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CD PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CO 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
6 7073	2	8	3	33	.2	16	4	528	1.72	4	7	ND	1	88	1	2	2	12	1.82	.049	2	19	.68	76	.03	2	.87	.06	.27	2	18
6 7074	2	14	4	27	.1	18	4	527	2.26	3	5	ND	1	93	1	2	2	12	1.55	.051	2	15	.55	49	.03	4	.81	.06	.26	2	45
6 7075	2	8	3	26	.2	14	4	559	1.69	3	5	ND	1	113	1	2	2	13	1.89	.049	2	15	.55	29	.04	2	.73	.05	.19	10	19
6 7076	2	9	2	38	.1	18	3	570	1.57	3	5	ND	1	52	1	2	2	19	1.39	.053	2	24	.89	49	.07	14	.96	.07	.32	1	55
6 7077	2	46	3	38	.3	19	3	722	2.16	3	5	ND	1	161	1	2	2	29	2.00	.061	3	29	.97	29	.06	2	.94	.05	.11	2	69
6 7078	6	9	3	31	.1	16	3	469	1.49	5	5	ND	1	44	1	2	2	15	1.08	.053	2	20	.68	48	.06	4	.78	.06	.20	1	40
6 7079	2	21	3	31	.1	18	4	439	1.76	4	5	ND	1	40	1	2	2	13	1.07	.050	2	21	.60	30	.05	4	.79	.06	.22	1	29
6 7080	5	20	3	36	.2	14	6	727	2.14	5	5	ND	1	61	1	2	2	11	1.87	.042	2	10	.78	37	.04	7	1.02	.04	.35	2	44
6 7081	1	88	3	84	.1	8	14	1334	3.78	11	5	ND	1	82	1	2	2	83	1.56	.115	2	2	2.18	112	.22	7	2.43	.07	1.11	1	23
6 7082	1	141	6	92	.3	10	14	1399	3.74	7	5	ND	1	95	1	2	2	82	2.02	.116	2	2	2.15	82	.23	3	2.33	.07	.75	1	42
6 7083	10	12	4	32	.2	14	4	487	1.71	5	5	ND	1	43	1	2	2	18	.85	.052	2	17	.60	39	.06	3	.74	.05	.22	1	78
6 7084	1	17	2	36	.3	18	8	779	3.22	5	5	ND	1	86	1	2	2	46	1.51	.068	6	29	.88	39	.07	8	.87	.05	.11	2	355
6 7085	1	9	3	45	.3	17	6	978	2.86	4	5	ND	1	110	1	2	2	41	2.35	.067	6	37	1.16	42	.08	2	1.13	.04	.22	2	178
6 7086	8	19	3	27	.1	15	3	521	1.47	4	5	ND	1	71	1	2	2	17	1.78	.051	2	23	.64	40	.06	2	.74	.05	.21	1	21
6 7087	4	366	5	96	.6	34	30	1641	5.26	17	5	ND	1	113	1	2	2	102	2.73	.115	2	83	2.58	55	.16	10	2.19	.05	.47	1	73
6 7088	5	268	11	128	.7	27	30	1756	6.02	19	5	ND	1	86	1	2	2	109	2.44	.116	2	31	2.69	39	.17	7	2.35	.05	.39	1	79
6 7089	2	17	6	52	.2	16	7	756	2.59	3	5	ND	1	59	1	2	2	22	1.61	.052	2	23	.83	38	.08	9	.98	.06	.23	2	36
6 7090	1	33	5	29	.2	15	3	564	1.75	4	5	ND	1	55	1	2	2	12	1.94	.050	2	18	.53	35	.04	4	.70	.05	.19	1	55
6 7091	6	31	3	34	.1	17	3	696	1.74	6	5	ND	1	68	1	2	2	17	1.96	.049	2	19	.70	33	.04	4	.84	.05	.18	1	45
6 7092	8	24	4	78	.1	27	21	1476	4.37	15	5	ND	1	66	1	2	2	94	2.07	.110	2	50	2.40	51	.15	2	2.08	.05	.57	2	95
6 7093	4	20	4	61	.2	18	14	1102	3.47	8	5	ND	1	84	1	2	2	57	2.05	.099	2	63	1.52	20	.11	4	1.31	.05	.11	2	75
6 7094	10	20	3	63	.3	15	15	1005	3.35	7	5	ND	1	52	1	2	2	35	1.86	.082	2	16	1.29	41	.05	3	1.42	.05	.32	3	35
6 7095	2	8	5	45	.1	12	3	789	1.77	4	5	ND	1	73	1	2	2	19	2.19	.058	3	22	.74	31	.02	2	.93	.05	.27	1	165
6 7096	18	7	3	45	.3	16	5	788	2.23	3	5	ND	1	121	1	3	2	21	2.20	.058	3	24	.75	34	.02	2	.90	.05	.27	2	129
6 7097	34	18	3	46	.3	14	5	990	2.07	4	5	ND	1	69	1	2	2	16	2.79	.057	6	21	.70	47	.01	2	.87	.04	.26	1	42
6 7098	23	16	2	57	.3	20	9	1100	3.27	2	5	ND	1	108	1	2	2	27	2.78	.069	10	23	.86	60	.03	2	1.20	.05	.48	1	140
6 7099	3	13	3	34	.3	15	4	735	1.79	4	5	ND	2	146	1	2	2	21	1.92	.051	6	20	.58	28	.01	7	.78	.06	.14	3	250
6 7100	36	14	2	48	.4	17	4	815	1.99	2	5	ND	2	62	1	2	2	21	1.93	.055	18	23	.77	41	.02	2	.93	.05	.33	3	71
6 7101	11	172	2	41	.3	17	5	897	2.09	2	5	ND	1	87	1	2	2	22	2.15	.055	6	23	.73	122	.02	2	.75	.05	.26	3	27
6 7102	19	32	2	64	.3	20	8	1068	2.20	4	5	ND	1	64	1	4	2	22	2.67	.057	6	23	.84	154	.01	5	.39	.05	.18	1	29
6 7103	15	8	2	35	.1	15	6	828	1.64	5	5	ND	1	48	1	2	2	13	2.19	.059	5	12	.58	149	.01	2	.36	.05	.19	1	20
6 7104	18	10	2	23	.4	12	7	754	1.62	4	5	ND	2	45	1	2	2	7	1.81	.059	5	6	.58	141	.01	5	.38	.04	.25	1	48
6 7105	4	143	3	51	.3	12	14	1240	3.69	11	5	ND	1	59	1	2	2	25	2.96	.102	4	1	1.10	87	.03	2	.67	.03	.43	1	47
6 7106	2	227	4	79	.4	9	15	1466	4.74	10	5	ND	1	128	1	2	2	50	3.89	.119	5	1	1.21	111	.08	2	1.31	.03	.72	1	41
6 7107	2	111	4	95	.4	9	15	1516	5.31	7	5	ND	1	241	1	2	2	71	3.74	.119	5	1	1.93	119	.12	2	2.04	.04	.98	1	19
6 7108	11	53	4	94	.2	11	17	1530	4.98	6	5	ND	1	128	1	2	2	56	3.84	.104	5	2	1.65	110	.11	2	1.65	.04	.99	1	33
STD C/AU-R	18	57	36	131	6.9	66	26	1029	3.97	37	25	6	38	49	17	16	22	55	.50	.083	36	59	.87	175	.08	31	1.85	.08	.13	12	485

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7109	2	68	5	87	.3	9	21	1579	5.15	7	5	ND	2	63	1	2	2	37	4.09	.115	5	1	1.79	27	.06	2	1.14	.04	.78	1	58
6 7110	23	80	7	26	.4	33	30	745	9.01	27	5	ND	2	47	1	2	2	7	1.97	.025	7	2	.75	8	.01	2	.43	.04	.30	2	360
6 7111	4	65	2	18	.2	8	10	537	1.88	14	5	ND	1	48	1	13	2	6	1.46	.057	4	2	.50	58	.01	5	.44	.03	.30	1	107
6 7112	2	27	6	50	.1	8	18	1381	4.48	10	5	ND	1	79	1	4	2	20	4.27	.103	3	1	1.54	32	.01	2	.56	.02	.40	1	45
6 7113	14	18	3	33	.1	8	5	1217	2.11	6	5	ND	1	137	1	4	2	11	3.58	.033	2	3	1.18	179	.01	2	.37	.02	.27	1	31
6 7114	2	91	4	63	.2	13	15	1788	4.04	20	5	ND	1	154	1	22	2	24	7.07	.038	2	5	2.51	28	.01	5	.29	.01	.19	1	81
6 7115	3	84	2	54	.4	15	15	1636	4.27	20	5	ND	1	211	1	18	2	29	6.37	.041	2	3	2.29	28	.01	2	.35	.01	.24	1	67
6 7116	4	100	7	86	.3	24	14	2451	5.71	27	5	ND	2	116	1	12	2	35	4.77	.073	3	17	2.36	31	.01	2	.41	.02	.27	1	63
6 7117	3	101	6	90	.3	21	16	2424	5.45	15	5	ND	1	144	1	17	2	40	6.34	.085	5	14	2.95	26	.01	2	.38	.01	.21	1	95
6 7118	2	111	4	67	.5	25	20	2040	5.95	6	5	ND	2	218	1	2	2	99	4.90	.104	5	64	2.14	40	.04	2	1.68	.03	.21	1	2160
6 7119	3	34	8	77	.3	26	21	2579	6.06	3	5	ND	1	230	1	2	2	89	6.20	.093	6	58	2.55	51	.01	2	1.59	.02	.15	1	103
6 7120	3	20	7	70	.4	22	24	2392	5.81	7	5	ND	1	324	1	2	2	67	8.00	.089	7	45	2.24	38	.01	2	1.19	.01	.18	1	153
6 7121	3	43	8	121	.3	29	35	2146	7.08	15	5	ND	1	199	1	2	2	96	4.35	.104	7	64	2.84	38	.03	2	2.52	.03	.36	1	138
6 7122	4	22	9	120	.2	13	16	2484	6.43	5	5	ND	2	251	1	2	2	106	5.37	.091	7	15	2.53	52	.02	2	1.93	.03	.26	1	57
6 7123	6	40	5	113	.2	13	22	2190	7.77	7	5	ND	2	112	1	2	2	71	4.82	.094	6	8	2.57	26	.02	2	.92	.03	.44	1	164
6 7124	3	31	7	143	.1	13	9	1841	11.18	7	5	ND	2	96	1	2	2	71	2.50	.095	3	10	2.94	250	.01	5	.68	.03	.30	1	52
6 7125	8	466	9	107	.9	17	16	2490	5.96	58	5	ND	1	179	1	73	2	46	8.71	.037	2	9	3.38	33	.01	2	.25	.01	.14	1	730
6 7126	15	19439	18	172	14.7	27	61	1379	20.84	1630	5	44	3	50	3	71	2	61	1.75	.033	2	1	2.44	8	.01	4	.26	.04	.13	1	49800
6 7127	4	2041	10	132	1.9	12	26	1255	9.17	423	6	2	2	61	1	71	2	44	2.27	.117	2	2	2.57	24	.01	4	.50	.03	.31	1	1570
6 7128	2	489	8	92	.5	9	10	1444	8.42	106	5	ND	1	101	1	29	2	46	3.20	.108	2	1	2.38	36	.01	2	.41	.02	.26	1	450
6 7129	3	660	6	103	.5	13	31	1398	13.17	141	6	ND	2	80	1	39	2	60	1.92	.088	3	3	2.58	16	.01	4	.47	.03	.30	1	290
6 7130	14	989	8	132	.5	34	32	2090	8.75	244	5	ND	1	96	1	101	2	48	3.61	.102	2	22	2.73	19	.01	2	.40	.02	.24	1	220
6 7131	7	511	9	98	.5	13	41	1302	9.01	122	5	ND	1	71	1	72	2	42	2.29	.110	2	3	2.16	11	.01	2	.47	.03	.31	1	280
6 7132	8	579	6	98	.5	44	31	1651	8.96	166	5	ND	2	84	1	30	2	36	3.15	.073	2	35	2.03	13	.01	4	.30	.03	.20	1	320
6 7133	3	105	5	49	.2	14	15	1655	4.48	30	5	ND	1	142	1	4	2	32	6.15	.064	2	5	2.22	27	.01	2	.31	.01	.26	1	97
6 7134	3	215	5	88	.7	12	25	1507	5.38	54	5	ND	1	112	1	45	2	29	4.35	.091	2	3	1.75	15	.01	2	.34	.02	.25	1	94
6 7135	1	247	5	87	.5	10	20	1522	4.79	60	5	ND	1	118	1	49	2	30	4.79	.075	2	1	1.81	23	.01	2	.32	.02	.25	1	81
6 7136	10	310	5	93	.5	12	24	1361	5.46	90	5	ND	1	127	1	48	2	23	3.21	.119	2	3	1.50	13	.01	3	.41	.02	.28	1	98
6 7137	6	111	6	79	.2	19	25	1593	6.28	45	5	ND	1	116	1	15	2	24	3.91	.126	2	1	1.73	13	.01	4	.46	.02	.30	1	184
6 7138	5	77	5	53	.3	17	34	1316	5.84	35	5	ND	1	123	1	12	2	19	4.41	.111	3	1	1.56	13	.01	2	.42	.02	.35	1	230
6 7139	3	105	2	37	.1	7	7	927	2.04	23	5	ND	1	100	1	26	2	7	3.02	.033	3	1	1.02	62	.01	2	.25	.03	.21	1	205
6 7140	12	11	2	20	.1	7	5	687	1.49	4	5	ND	1	87	1	3	2	6	2.42	.026	2	2	.85	197	.01	5	.23	.03	.17	1	84
6 7141	6	19	2	24	.2	9	4	727	1.56	4	5	ND	1	95	1	6	2	5	2.80	.024	2	1	.99	215	.01	6	.20	.03	.16	1	29
6 7142	7	20	2	22	.1	8	6	710	1.76	7	5	ND	1	124	1	6	2	7	2.71	.023	2	2	.93	136	.01	2	.23	.02	.18	1	18
6 7143	5	187	7	92	.3	17	8	1852	6.48	53	5	ND	1	156	1	23	2	39	4.72	.105	7	4	2.30	27	.01	9	.58	.02	.42	1	23
6 7144	7	10	2	28	.3	14	5	840	1.88	4	5	ND	1	80	1	2	2	8	2.49	.045	4	6	.91	108	.01	8	.22	.05	.13	1	118
STD C/AU-R	18	57	36	129	6.9	67	26	1021	3.88	37	17	7	38	49	17	17	22	55	.48	.082	36	55	.85	175	.08	32	1.80	.08	.13	11	490

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUM
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7145	8	42	4	28	.2	17	6	700	1.95	11	5	ND	1	63	1	2	2	7	2.21	.035	4	6	.84	131	.01	3	.21	.05	.14	2	64
6 7146	19	48	2	38	.2	10	4	1015	1.95	11	5	ND	1	132	1	3	2	7	3.80	.044	7	4	1.33	318	.01	2	.26	.03	.17	2	2
6 7147	9	60	3	67	.3	13	7	2057	5.48	11	5	ND	1	292	1	11	2	21	7.78	.046	4	6	2.87	160	.01	2	.27	.01	.22	1	19
6 7148	6	205	5	88	.6	18	10	1438	7.44	9	5	ND	2	92	1	2	2	66	2.45	.097	6	18	1.84	128	.03	11	.83	.03	.61	3	115
6 7149	8	17	5	70	.1	19	10	1044	4.49	4	5	ND	1	85	1	2	2	60	1.97	.075	7	27	1.44	129	.07	11	1.22	.04	.94	3	1
6 7150	7	171	6	95	.3	19	10	1628	6.94	7	5	ND	2	306	1	2	2	151	3.46	.080	9	37	2.45	132	.19	2	2.23	.03	1.85	2	38
6 7151	5	26	9	99	.3	17	14	1344	7.34	6	5	ND	2	76	1	2	2	119	2.22	.079	8	30	2.18	73	.17	2	2.10	.04	1.84	2	50
6 7152	16	21	6	78	.5	24	20	1086	5.18	10	5	ND	3	219	1	2	3	75	2.63	.095	12	32	1.56	45	.06	4	.90	.05	.70	2	1
6 7153	2	1079	14	159	1.5	41	15	4589	5.36	12	5	ND	1	133	1	2	2	115	6.82	.080	4	115	2.32	48	.04	2	2.64	.01	.36	1	14
6 7154	1	149	12	153	.2	23	19	4224	5.01	7	5	ND	1	125	1	2	2	91	4.51	.084	2	77	2.67	132	.15	2	3.02	.02	1.37	1	25
6 7155	2	98	11	119	.1	14	23	3560	3.97	5	5	ND	1	98	1	2	2	71	2.35	.086	2	44	1.83	120	.17	10	2.11	.03	.99	2	95
6 7156	2	504	12	150	.7	17	23	3426	4.56	10	5	ND	1	73	1	2	2	83	1.60	.110	2	49	2.38	162	.20	4	2.60	.04	1.34	1	63
6 7157	2	92	12	131	.3	16	23	3611	4.39	7	5	ND	1	85	1	2	2	83	2.68	.110	2	49	2.09	74	.18	8	2.35	.04	.99	2	25
6 7158	1	122	12	114	.2	16	11	2937	5.09	5	5	ND	1	94	1	2	2	83	2.51	.113	2	52	1.84	79	.19	2	2.21	.03	1.61	1	1
6 7159	3	557	11	138	1.0	16	16	5119	5.82	8	5	ND	1	95	1	2	2	126	4.65	.088	2	55	2.12	118	.18	2	2.42	.02	1.45	5	280
6 7160	2	59	8	159	.3	16	21	4859	4.96	6	5	ND	1	90	1	2	2	117	3.81	.097	2	59	2.16	153	.21	2	2.54	.03	1.83	1	146
6 7161	1	14	10	183	.4	14	20	3702	4.70	5	5	ND	1	69	1	2	2	103	2.26	.113	2	38	2.38	126	.24	5	2.74	.04	2.11	3	90
6 7162	2	247	6	184	.3	17	22	4317	5.37	12	5	ND	1	52	1	2	2	125	1.63	.137	2	45	2.57	120	.29	3	2.97	.05	1.78	1	98
6 7163	2	83	8	159	.2	14	31	3864	4.21	10	5	ND	1	78	1	2	2	88	1.37	.135	2	32	2.38	121	.25	3	2.44	.05	.71	3	40
6 7164	2	614	10	187	.8	16	31	4041	5.12	13	5	ND	1	73	1	2	2	106	1.56	.133	2	35	2.59	146	.26	11	2.76	.05	1.06	1	41
6 7165	4	450	13	178	.6	54	28	5457	6.54	14	5	ND	2	123	1	2	2	101	3.77	.096	3	117	3.02	90	.10	6	3.22	.02	.52	2	98
6 7166	2	68	18	162	.6	16	25	5673	6.50	11	5	ND	1	94	1	2	2	111	3.42	.087	3	25	2.29	107	.10	2	2.72	.04	.88	2	112
6 7167	5	31	11	154	.1	13	20	5439	6.10	6	5	ND	1	106	1	2	2	106	3.85	.083	4	19	2.52	206	.08	2	2.78	.03	.75	2	137
6 7168	2	481	10	152	.8	14	23	4186	6.56	7	5	ND	1	113	1	2	2	83	4.09	.082	3	19	2.50	289	.03	2	2.48	.02	.31	3	72
6 7169	2	285	5	74	.6	25	21	2819	3.85	5	5	ND	1	176	1	2	2	41	5.50	.058	2	154	1.44	146	.01	2	1.12	.01	.29	1	37
6 7170	2	71	8	127	.3	10	16	3958	5.06	14	5	ND	1	201	1	3	2	42	6.41	.075	4	5	2.43	394	.01	3	.54	.01	.38	1	71
6 7171	2	40	8	161	.4	16	28	3657	6.29	10	5	ND	1	113	1	2	2	143	3.19	.085	2	20	2.45	105	.20	2	2.55	.03	.68	2	96
6 7172	4	137	18	262	2.0	17	29	3442	6.95	21	5	6	1	63	1	2	2	160	.99	.103	2	18	2.93	145	.29	2	3.43	.05	2.12	3	7650
6 7173	2	197	8	168	.2	16	23	2915	5.30	8	5	ND	1	279	1	2	2	124	1.41	.109	2	25	2.61	260	.27	3	3.22	.05	2.38	2	28
6 7174	2	47	12	142	.3	13	25	2460	5.33	12	5	ND	2	339	1	3	2	109	1.69	.113	2	18	2.45	265	.22	3	2.88	.04	1.65	2	34
6 7175	1	8	8	47	.4	5	5	581	2.13	2	5	ND	5	213	1	2	2	28	1.41	.047	13	12	.65	73	.04	9	.87	.06	.26	2	1
6 7176	1	7	7	42	.2	5	5	545	1.79	2	5	ND	6	126	1	2	2	17	1.87	.048	15	9	.51	115	.01	5	.69	.05	.17	2	1
6 7177	2	30	11	149	.2	16	32	2913	7.37	9	5	ND	2	154	1	2	2	124	3.76	.095	3	19	2.64	132	.08	3	3.14	.03	.86	2	23
6 7178	1	227	13	154	.9	18	31	3372	5.54	8	5	ND	1	189	1	2	2	117	5.16	.094	3	22	2.64	221	.12	2	2.96	.02	1.38	1	140
6 7179	1	51	9	138	.2	28	19	2548	4.71	8	5	ND	1	150	1	2	2	116	3.11	.117	2	39	2.49	192	.15	2	2.96	.03	1.45	1	24
6 7180	6	167	11	125	.5	14	22	2387	5.08	9	5	ND	1	144	1	2	2	125	3.40	.100	3	32	2.36	156	.12	3	2.72	.03	1.12	1	14
6 7181	2	13	9	151	.3	14	20	2996	5.96	8	5	ND	1	141	1	2	2	115	4.83	.091	4	20	2.97	112	.11	2	3.19	.02	.90	1	5
STD C/AU-R	19	58	39	135	7.3	69	27	1045	3.98	39	23	7	39	50	18	17	23	57	.49	.086	38	59	.87	180	.08	37	1.85	.08	.15	12	495

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
6 7182	1	2	8	105	.2	13	15	2145	5.54	11	5	ND	1	166	1	2	2	115	5.02	.115	4	22	1.98	48	.06	2	2.30	.03	.31	1	3
6 7183	1	4	9	132	.3	12	18	2444	5.84	15	5	ND	1	239	1	2	2	119	5.88	.108	5	19	2.42	100	.03	2	2.82	.02	.20	1	5
6 7184	4	35	17	203	.4	15	36	2901	7.34	21	5	ND	1	170	1	2	2	123	2.94	.103	3	12	2.95	122	.09	2	3.61	.03	.94	1	191
6 7185	2	782	15	108	1.1	10	20	2707	5.28	19	5	ND	1	221	1	6	2	111	4.64	.100	4	12	1.41	128	.04	4	1.93	.03	.46	1	59
6 7186	2	136	14	177	.6	18	30	3916	9.18	18	5	ND	2	198	1	2	2	148	1.35	.113	6	15	1.20	121	.07	4	1.33	.05	.73	3	61
6 7187	2	166	9	119	.4	12	15	2281	6.20	16	5	ND	2	214	1	2	2	141	1.14	.125	4	17	1.60	272	.14	4	2.16	.05	1.51	2	11
6 7188	3	71	10	128	.2	14	29	2834	7.62	21	5	ND	1	170	1	2	2	106	.92	.090	4	12	1.12	137	.10	2	1.56	.04	.97	3	61
6 7189	2	53	10	132	.4	15	22	4395	7.49	14	5	ND	2	178	1	2	2	123	2.64	.121	8	11	1.03	362	.03	2	.86	.04	.39	3	49
6 7190	1	208	7	123	.1	15	17	2816	6.34	16	5	ND	1	201	1	3	2	158	1.62	.124	4	23	1.79	155	.12	2	2.18	.04	1.43	1	18
6 7191	2	34	10	98	.4	20	34	2739	5.09	36	5	2	1	285	1	6	2	122	3.23	.081	2	41	1.56	77	.09	3	2.25	.03	.98	1	2050
6 7192	2	118	8	124	.1	21	23	2810	4.97	14	5	ND	1	151	1	2	2	114	2.88	.084	2	45	2.32	231	.24	4	2.75	.04	1.43	1	285
6 7193	2	563	7	151	.6	24	24	3214	6.40	12	5	ND	1	109	1	2	2	132	2.90	.083	2	64	2.89	196	.19	2	3.10	.04	1.24	1	149
6 7194	1	59	6	80	.1	10	14	3537	4.04	9	5	ND	1	166	1	2	2	25	6.97	.059	3	9	1.83	439	.01	10	.35	.01	.28	1	8
6 7195	1	133	10	136	.2	21	22	2648	5.91	7	5	ND	1	117	1	2	2	116	2.76	.090	2	47	2.40	123	.18	4	2.54	.04	.88	1	23
6 7196	1	503	4	115	.5	17	21	1538	5.26	5	5	ND	1	83	1	2	2	97	1.29	.089	2	43	1.81	78	.23	2	1.84	.06	.53	1	12
6 7197	1	48	4	148	.2	16	14	1832	4.04	10	5	ND	1	108	1	2	2	98	2.31	.087	2	40	1.60	64	.23	5	1.65	.06	.47	1	9
6 7198	1	355	5	96	.7	14	11	1475	3.73	9	5	ND	1	129	1	2	2	82	2.01	.083	2	30	1.27	77	.25	6	1.60	.05	.56	1	10
6 7199	3	157	6	160	.3	21	18	3868	6.06	7	5	ND	1	112	1	2	2	112	2.33	.074	2	52	2.30	173	.25	3	2.54	.05	1.19	1	31
6 7200	1	12	5	127	.1	15	12	1960	3.85	10	5	ND	1	132	1	2	2	89	1.85	.081	2	31	1.33	65	.24	5	1.73	.05	.77	2	10
6 7201	1	2	8	146	.1	18	16	2244	5.04	9	5	ND	1	98	1	2	2	113	1.35	.085	2	39	1.91	93	.27	3	2.07	.06	.73	1	1
6 7202	1	4	5	162	.1	19	18	2521	5.20	10	5	ND	1	116	1	2	2	108	1.43	.084	2	44	1.92	119	.28	7	2.27	.06	1.03	1	2
6 7203	1	38	7	133	.4	21	20	1939	5.89	13	5	ND	1	192	1	2	2	126	2.19	.086	2	46	2.03	138	.16	6	1.87	.06	.80	1	1
6 7204	1	70	9	111	.1	17	18	1707	5.49	9	5	ND	1	132	1	2	2	127	2.18	.089	2	48	1.93	114	.24	5	1.97	.06	.81	2	6
6 7205	2	154	5	89	.4	6	10	1328	4.52	5	5	ND	3	209	1	2	2	79	3.07	.093	7	6	1.36	99	.07	2	1.43	.04	.49	1	1
6 7206	2	27	3	91	.2	5	9	1330	4.42	6	5	ND	3	77	1	2	2	83	2.84	.092	9	3	1.31	98	.07	2	1.40	.05	.62	1	1
6 7207	4	24	2	64	.1	4	7	1471	3.62	4	5	ND	3	84	1	2	2	40	3.27	.094	9	1	.65	122	.03	5	.63	.03	.39	1	1
6 7208	2	6	5	86	.2	7	10	1621	4.96	7	5	ND	3	78	1	2	2	41	2.97	.102	9	2	1.03	112	.01	6	.42	.04	.16	2	1
6 7209	1	5	6	60	.4	7	8	2541	2.89	2	5	ND	2	224	1	2	2	18	9.39	.056	9	1	2.31	1254	.01	2	.29	.01	.20	1	1
6 7210	1	9	4	53	.3	5	7	1669	3.80	7	5	ND	2	85	1	2	2	25	3.63	.096	7	2	1.14	176	.01	4	.41	.03	.16	2	1
6 7211	3	19	6	54	.3	5	8	1455	4.15	8	5	ND	2	118	1	2	2	33	3.41	.095	8	2	.95	668	.01	2	.37	.03	.15	1	1
6 7212	1	31	5	60	.3	8	8	1785	3.90	6	5	ND	2	145	1	2	2	33	4.86	.090	7	7	.94	573	.01	3	.33	.02	.16	1	25
6 7213	2	15	6	67	.2	8	8	1654	4.56	6	5	ND	2	82	1	2	2	36	2.92	.095	7	2	.94	281	.01	2	.36	.04	.16	1	3
6 7214	2	33	6	98	.3	26	14	3147	6.03	9	5	ND	2	152	1	2	2	41	10.80	.098	5	74	2.84	309	.01	4	.42	.01	.21	2	27
6 7215	2	510	9	133	1.0	40	19	2606	7.34	30	5	ND	2	104	1	2	2	77	5.28	.124	6	125	1.74	117	.01	5	.60	.03	.20	1	52
6 7216	1	20	5	77	.4	5	13	1586	5.02	6	5	ND	3	65	1	2	2	52	2.55	.099	8	1	1.11	181	.01	4	.40	.04	.21	1	1
6 7217	1	37	6	138	.2	46	20	2595	8.00	11	5	ND	2	102	1	2	2	90	4.93	.120	6	153	2.80	73	.01	3	1.81	.02	.14	1	8
6 7218	2	71	6	122	.5	44	19	2548	7.46	15	5	ND	2	115	1	3	2	72	5.42	.115	7	125	2.27	108	.01	5	.57	.02	.18	1	16
STD C/AU-R	18	59	37	136	7.1	68	26	1042	3.92	38	18	8	38	50	18	18	22	56	.49	.084	37	58	.86	177	.08	37	1.82	.08	.13	13	480

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7221	2	90	4	90	.1	17	17	1994	5.68	4	5	ND	3	143	1	2	2	24	5.03	.100	7	37	1.83	470	.01	3	.31	.01	.22	1	7
6 7222	5	105	2	56	.2	2	9	1469	3.80	5	5	ND	4	145	1	2	2	17	3.32	.083	8	8	1.20	734	.01	3	.40	.02	.24	1	66
6 7223	1	121	3	71	.2	3	10	1525	3.65	5	5	ND	4	122	1	2	2	22	2.85	.090	8	9	1.08	482	.01	5	.35	.02	.25	1	7
6 7224	2	150	4	84	.3	3	12	1399	4.00	14	5	ND	5	74	1	2	2	35	2.27	.095	9	8	.90	223	.01	6	.38	.03	.20	1	33
6 7225	12	75	11	46	14.2	3	11	1416	3.72	7	5	9	3	84	1	2	4	18	2.98	.076	5	7	.96	125	.01	2	.29	.03	.20	1	8190
6 7226	6	89	2	69	.1	4	9	1431	3.58	5	5	ND	2	111	1	2	2	38	3.79	.078	6	9	1.43	343	.01	2	.38	.03	.20	1	22
6 7227	12	453	6	62	.8	5	14	1705	4.05	76	5	ND	3	277	1	2	2	62	4.14	.074	6	8	1.68	227	.04	2	.47	.03	.31	6	145
6 7228	9	74	3	65	.6	10	15	1721	5.16	8	5	ND	3	147	1	2	2	32	3.11	.083	5	25	1.38	181	.02	3	.48	.02	.32	1	260
6 7229	11	86	4	56	1.6	7	21	2960	6.24	8	5	ND	2	278	1	2	2	23	6.73	.075	2	14	1.85	50	.01	9	.30	.01	.26	2	770
6 7230	56	43	7	18	3.1	5	9	1002	3.15	6	6	ND	1	619	1	2	3	6	2.25	.020	2	6	.77	28	.01	8	.18	.01	.15	1	1570
6 7231	1	12	2	17	.1	3	5	1286	1.55	2	5	ND	2	257	1	2	3	4	2.50	.047	7	9	.76	504	.01	5	.32	.02	.24	1	8
6 7232	3	98	3	65	.3	7	10	1657	3.98	5	5	ND	3	141	1	2	2	25	3.80	.077	7	10	1.50	593	.01	17	.43	.01	.31	1	10
6 7233	2	127	2	116	.1	28	20	2493	6.35	15	5	ND	2	109	1	2	2	135	3.84	.115	5	40	1.95	87	.03	2	1.89	.01	.37	1	1
6 7234	1	57	2	61	.1	21	13	1504	2.97	8	5	ND	1	212	1	2	2	83	2.83	.112	2	42	1.75	78	.18	9	1.92	.03	.40	1	5
6 7235	3	68	13	81	.5	10	14	1289	2.60	10	5	ND	3	33	1	2	2	19	1.92	.054	7	9	.60	88	.01	13	.39	.01	.23	1	37
6 7236	3	39	18	71	.8	11	25	1638	3.75	6	5	ND	2	96	1	2	2	30	4.30	.082	4	20	.41	53	.02	4	.41	.01	.23	1	120
6 7237	4	21	17	83	.5	11	18	1516	3.51	8	5	ND	3	74	1	2	2	34	3.33	.070	8	17	.51	69	.01	4	.54	.01	.24	1	166
6 7238	2	28	14	107	.3	14	21	1502	4.44	9	5	ND	2	62	1	2	2	42	2.07	.068	9	27	.96	72	.03	4	1.13	.01	.38	1	35
6 7239	4	39	15	89	.3	10	18	1546	4.00	12	5	ND	3	69	1	2	2	34	3.02	.065	8	15	.79	69	.03	3	.70	.01	.37	1	33
6 7240	2	136	20	201	.4	9	20	3048	5.60	17	5	ND	2	92	1	2	2	77	3.81	.131	5	20	1.37	72	.01	3	.57	.02	.25	1	38
6 7241	1	50	30	236	.4	11	16	2939	3.88	18	5	ND	2	179	1	2	2	56	2.70	.163	8	16	.86	102	.07	3	1.20	.01	.73	1	37
6 7242	4	151	53	371	1.2	14	24	3094	5.68	20	5	ND	3	122	3	2	2	67	3.55	.126	6	20	1.35	62	.06	5	1.58	.01	.41	1	99
6 7243	10	83	131	745	.9	12	36	2531	8.17	38	5	ND	2	65	7	2	2	90	1.58	.117	2	36	2.31	48	.18	6	2.42	.01	.84	1	91
6 7244	17	116	88	287	.8	10	45	2100	7.59	56	5	ND	1	80	1	2	2	78	1.99	.095	2	21	1.77	44	.12	2	1.86	.01	.90	1	216
STD C/AU-R	18	58	37	131	7.0	68	27	1025	3.97	38	18	8	39	49	18	17	21	57	.45	.085	37	63	.91	170	.08	38	1.85	.06	.13	13	470
6 7245	17	127	133	492	1.1	11	31	2565	6.86	35	5	ND	2	99	2	2	2	85	2.40	.110	2	24	2.20	62	.14	2	2.36	.01	1.06	1	145
6 7246	3	115	61	241	.5	31	42	2836	5.93	10	5	ND	2	81	2	2	2	101	1.30	.109	2	89	3.06	121	.18	7	3.00	.01	.83	1	25
6 7247	3	79	50	191	.6	6	39	2021	8.52	35	5	ND	1	49	1	2	2	87	.77	.138	2	17	2.16	52	.16	3	2.53	.01	1.53	1	81
6 7248	3	192	21	165	.5	8	27	2200	7.99	14	5	ND	2	72	1	2	2	97	1.60	.126	4	27	2.24	125	.12	4	2.44	.01	1.12	1	48
6 7249	1	96	15	153	.5	16	29	2843	6.42	15	5	ND	2	109	1	2	2	113	3.30	.111	4	47	2.24	131	.09	4	2.34	.01	.78	1	46
6 7250	2	236	60	214	.5	14	41	3738	7.25	13	5	ND	1	145	1	2	2	126	4.00	.124	2	46	2.67	178	.11	2	2.82	.01	.99	1	40
6 7251	10	883	41	181	1.8	16	90	4108	8.41	83	5	ND	1	225	1	2	2	104	7.72	.086	5	25	1.07	62	.06	2	1.24	.01	.60	1	195
6 7252	2	141	41	160	.8	9	31	3013	5.61	28	5	ND	2	190	1	2	2	81	5.59	.084	4	26	1.65	99	.05	3	1.85	.01	.41	1	95
6 7253	2	24	26	235	.4	14	30	3037	8.79	13	5	ND	2	122	1	2	2	140	2.52	.111	2	30	3.13	157	.11	2	2.88	.02	.44	1	89
6 7254	3	2672	243	349	3.4	12	52	3150	9.36	63	5	ND	2	137	12	2	2	81	4.35	.105	5	24	2.03	83	.05	4	2.00	.02	.46	1	240
6 7255	2	178	50	245	.5	12	22	2975	7.60	18	5	ND	2	132	1	2	2	70	3.50	.127	6	17	1.83	112	.07	3	1.97	.02	.61	1	32
6 7256	4	197	75	155	1.4	10	48	2688	7.21	55	5	ND	1	137	1	2	2	61	4.44	.084	4	16	.61	43	.03	2	.83	.01	.34	1	330

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	%	PPH	PPH	%	PPH	%	%	%	%	PPH	PPH	
6 7257	4	87	55	254	1.1	12	40	3736	9.95	33	5	ND	4	194	2	2	3	127	3.70	.107	6	24	1.16	71	.06	8	1.26	.01	.57	1	124
6 7258	5	170	64	256	1.3	10	30	3339	7.15	25	5	ND	2	210	3	2	2	106	4.84	.102	5	20	1.17	94	.04	3	1.36	.01	.47	1	445
6 7259	2	54	30	263	.7	14	22	3435	7.71	20	5	ND	3	133	2	2	2	124	3.26	.124	5	28	2.38	136	.12	5	2.57	.01	1.08	1	56
6 7260	6	291	42	168	2.0	10	32	3430	6.40	34	5	ND	2	136	3	2	2	44	6.36	.080	2	14	1.06	52	.01	6	.38	.01	.16	1	180
6 7261	1	52	23	110	.4	6	7	3416	3.66	4	5	ND	1	174	2	2	2	30	10.36	.066	5	12	1.96	778	.01	2	.36	.01	.24	1	37
6 7262	1	12	11	113	.4	7	7	3387	3.82	5	5	ND	1	181	2	2	2	48	10.11	.094	3	12	.77	532	.01	2	.55	.01	.26	1	1
6 7263	3	8	11	139	.4	13	11	3710	6.31	13	5	ND	1	182	2	2	2	112	7.50	.125	9	34	1.24	99	.11	4	1.55	.01	1.09	1	9
6 7264	1	5	12	106	.3	10	11	2536	4.24	5	5	ND	2	110	1	2	2	41	5.34	.126	12	8	1.18	99	.04	3	.85	.01	.58	1	1
6 7265	1	24	12	61	.3	4	5	2098	3.28	9	5	ND	2	161	1	2	2	56	4.71	.148	10	7	.47	178	.03	5	.87	.01	.45	1	3
6 7266	2	100	20	97	.7	5	18	2204	3.75	9	5	ND	3	118	2	3	2	45	4.40	.141	9	11	.69	171	.04	7	.93	.01	.52	1	1
6 7267	1	5	16	77	.1	6	6	2239	2.61	6	5	ND	1	104	2	2	2	20	5.37	.130	2	10	1.18	353	.01	12	.47	.01	.29	1	33
6 7268	2	7	39	112	.4	6	6	2947	3.08	3	5	ND	1	218	2	2	2	22	7.92	.092	6	11	2.01	833	.01	5	.47	.01	.30	1	215
6 7269	1	126	158	165	.9	10	8	2763	4.04	14	5	ND	1	186	2	2	2	47	6.84	.132	10	14	1.09	297	.02	4	.71	.01	.42	1	205
6 7270	3	325	15	113	.4	13	11	2487	4.94	12	5	ND	2	219	1	2	2	85	5.02	.116	7	18	1.95	139	.10	6	1.99	.01	.99	12	43
6 7271	1	14	14	132	.3	130	24	2293	5.52	9	5	ND	2	177	1	2	2	92	3.58	.099	5	112	2.92	59	.05	3	2.56	.01	.43	1	70
6 7272	1	8	6	84	.2	8	8	1923	4.27	9	5	ND	2	147	1	2	2	78	4.98	.143	6	12	.93	127	.05	2	.79	.02	.48	1	14
6 7273	1	8	8	84	.3	9	12	3086	4.11	4	5	ND	1	119	2	2	3	30	8.89	.086	3	12	2.56	95	.01	4	.41	.01	.23	1	1
6 7274	1	6	5	124	.4	11	11	1894	5.10	8	5	ND	2	98	1	2	2	85	3.16	.137	9	13	1.75	338	.11	5	1.37	.02	.97	1	560
6 7275	1	5	7	121	.2	13	13	2728	5.09	6	5	ND	1	152	1	2	2	58	6.12	.114	8	14	1.96	428	.01	6	.47	.01	.24	1	1
6 7276	1	8	11	77	.1	9	9	1660	3.40	7	5	ND	2	120	1	3	2	42	3.31	.074	8	15	1.36	467	.02	6	.68	.01	.47	1	2
6 7277	4	28	6	51	.2	9	12	1239	2.51	7	5	ND	2	92	1	3	2	26	2.82	.062	7	15	.61	172	.02	6	.52	.01	.32	1	56
6 7278	8	457	8	51	.5	10	15	945	2.55	13	5	ND	2	125	1	4	2	32	.69	.061	8	16	.56	89	.02	3	.77	.01	.30	1	43
6 7279	1	20	4	86	.3	15	13	1847	3.39	8	5	ND	2	98	1	3	2	43	5.02	.049	6	19	2.11	92	.02	3	.64	.04	.27	1	9
6 7280	1	37	7	59	.1	9	9	1442	2.56	6	5	ND	2	92	1	2	2	21	2.95	.057	7	15	1.17	276	.01	5	.44	.02	.21	1	10
6 7281	2	45	5	71	.2	12	11	1732	3.12	5	5	ND	3	63	1	2	2	24	1.97	.063	9	18	.97	179	.02	5	.53	.02	.29	1	1
6 7282	1	2885	5	76	3.7	12	7	1638	3.25	78	5	ND	2	51	1	2	3	28	1.88	.057	8	13	.91	163	.01	2	.51	.03	.25	1	56
6 7283	1	81	9	58	.1	11	7	1828	2.70	6	5	ND	2	105	1	2	2	27	4.36	.061	8	16	.87	153	.02	2	.62	.02	.24	1	5
6 7284	1	286	8	109	.3	4	10	1689	4.82	8	5	ND	2	80	1	2	3	75	3.09	.089	7	8	1.41	181	.02	9	.56	.04	.28	1	11
6 7285	1	22	5	83	.4	4	9	1583	4.16	6	5	ND	4	95	2	2	2	44	4.94	.081	5	8	1.85	565	.01	8	.33	.02	.18	1	1
6 7286	1	29	2	70	.2	3	7	1687	3.85	6	5	ND	3	76	1	2	2	44	3.24	.093	10	8	1.25	452	.01	4	.48	.02	.24	1	51
6 7287	1	5	7	49	.3	3	6	1820	2.40	7	5	ND	1	234	1	2	2	22	4.29	.048	3	9	1.24	824	.01	3	.38	.01	.17	1	24
6 7288	1	20	8	64	.1	3	8	1809	3.54	4	5	ND	3	181	1	2	2	19	4.55	.080	8	8	1.48	866	.01	6	.46	.01	.23	1	16
6 7289	1	378	5	63	.6	4	8	2258	3.65	24	5	ND	1	216	1	2	2	13	6.60	.080	6	9	2.00	752	.01	5	.38	.01	.25	1	14
6 7290	2	61	6	131	.1	31	16	2652	6.38	8	5	ND	3	175	1	2	2	114	6.26	.103	12	106	2.15	70	.04	2	.87	.01	.45	1	8
6 7291	1	67	7	97	.1	22	11	1852	5.55	9	5	ND	3	210	1	2	2	111	1.30	.139	10	98	.86	85	.02	8	.85	.01	.33	1	14
6 7292	2	22	8	49	.1	12	7	1167	2.08	11	5	ND	2	56	1	4	2	28	1.89	.058	9	17	.77	174	.01	4	.40	.01	.18	1	215
STD C/AU-R	18	58	40	132	7.2	68	27	1031	3.92	39	23	7	39	49	18	18	21	57	.46	.086	36	61	.89	176	.08	36	1.85	.06	.13	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
6 7293	2	78	10	74	1.7	9	14	1346	3.89	17	5	ND	3	98	1	2	2	41	3.09	.064	7	12	1.18	160	.01	3	.50	.01	.17	1	785
6 7294	1	65	2	64	.1	9	7	944	2.57	9	5	ND	2	227	1	2	2	35	.54	.056	8	19	1.01	100	.01	2	1.15	.01	.18	1	26
6 7295	1	422	5	47	.7	5	15	1110	3.28	19	5	ND	2	529	1	3	2	63	1.46	.079	6	18	.59	22	.01	2	.98	.01	.17	2	220
6 7296	1	106	4	99	.1	6	9	1649	2.37	11	5	ND	1	216	1	2	2	43	1.38	.115	2	10	1.56	13	.11	2	1.69	.02	.07	1	23
6 7297	1	36	8	58	.1	6	5	639	2.04	4	5	ND	3	300	1	2	2	36	.83	.049	7	16	.83	107	.14	2	1.11	.04	.39	1	2
STD C/AU-R	19	59	37	129	7.1	65	27	1001	3.85	40	22	7	38	48	17	17	19	56	.49	.083	36	60	.89	173	.08	37	1.78	.06	.13	13	520

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: OCT 8 1987

DATE REPORT MAILED: Oct 15/87

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117

File # 87-4701

Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB	
6 7298	1	233	15	212	.5	21	25	4818	6.11	34	5	ND	1	92	1	6	2	113	3.50	.100	2	33	2.08	155	.10	15	1.99	.02	1.24	1	87
6 7299	1	11	6	38	.1	4	4	589	1.79	3	5	ND	4	56	1	2	2	12	2.03	.054	15	4	.60	458	.01	12	.42	.04	.21	1	1
6 7300	18	3894	10	227	4.4	16	15	2251	6.04	405	5	ND	1	67	1	271	2	33	3.60	.052	2	7	1.45	300	.01	11	.37	.01	.31	3	147
6 7301	8	6086	8	157	7.9	15	10	2057	4.36	241	5	ND	1	43	1	177	2	18	2.80	.040	2	5	1.27	96	.01	12	.21	.01	.17	7	76
6 7302	13	94	5	66	2.1	23	12	2359	4.13	13	5	ND	1	93	1	8	2	26	4.95	.076	6	10	1.53	250	.02	9	.35	.02	.28	2	980
6 7303	3	51	8	122	.3	92	15	2147	3.96	7	5	ND	3	93	1	5	2	59	3.43	.081	10	86	2.60	266	.04	12	1.63	.03	.52	1	230
6 7304	5	101	7	35	.1	3	4	1369	2.53	2	5	ND	4	47	1	2	2	22	1.49	.071	15	2	.37	85	.01	3	.37	.02	.24	2	8
6 7305	4	30	16	39	.3	4	11	1914	2.62	8	5	ND	3	70	1	2	2	8	2.94	.071	8	2	.60	159	.01	6	.44	.01	.38	1	110
6 7306	3	92	7	56	.1	3	7	1760	2.79	2	5	ND	3	71	1	2	2	23	2.70	.068	13	2	.57	122	.02	4	.55	.02	.38	1	12
6 7307	3	105	5	93	.1	5	9	1308	3.07	8	5	ND	3	70	1	2	2	31	3.87	.064	12	3	1.26	262	.01	8	.36	.04	.22	1	1
6 7308	1	31	12	77	.2	36	12	1879	3.23	10	5	ND	1	168	1	8	2	18	6.00	.078	12	12	2.12	480	.01	8	.38	.01	.27	1	22
6 7309	3	459	6	125	.4	46	17	2646	4.51	9	5	ND	1	151	1	4	2	40	6.47	.103	6	26	2.55	249	.02	4	.88	.01	.48	1	16
6 7310	2	116	9	108	.1	78	12	1978	3.42	2	5	ND	2	89	1	2	2	42	4.18	.086	12	44	1.92	166	.09	5	1.11	.02	.99	2	1
6 7311	6	123	5	105	.7	48	17	2744	3.70	6	6	ND	1	143	1	5	2	20	6.88	.076	6	24	2.13	156	.02	2	.56	.01	.44	1	34
6 7312	2	4740	5	148	13.8	33	26	2428	4.64	46	5	ND	1	105	3	3	2	27	5.55	.095	4	9	1.72	68	.02	4	.60	.01	.47	6	216
6 7313	19	1857	18	158	5.8	36	22	2626	4.80	23	5	3	1	112	1	2	2	49	5.64	.092	4	16	2.13	87	.10	5	1.30	.01	1.15	2	5260
6 7314	5	167	6	125	.3	48	16	2608	4.32	4	5	ND	1	172	1	3	2	60	6.32	.090	7	32	1.69	303	.13	7	1.58	.01	1.40	1	140
6 7315	2	59	20	319	.2	17	34	3489	6.86	7	5	ND	1	163	2	2	2	163	6.16	.109	4	31	3.08	57	.03	5	3.05	.02	.17	1	36
6 7316	2	118	15	207	.5	19	29	2626	7.14	7	5	ND	1	114	1	2	2	183	3.16	.125	3	35	3.37	107	.11	7	3.27	.03	.38	1	90
6 7317	1	113	11	165	.7	16	19	2529	4.55	8	5	ND	1	198	1	2	2	118	4.84	.102	2	17	2.58	83	.12	3	2.54	.02	.62	1	22
6 7318	1	68	11	100	.1	7	13	3829	5.09	6	5	ND	1	211	1	2	2	60	6.43	.054	4	4	1.20	1311	.01	5	.24	.01	.18	1	1
6 7319	5	40	13	88	.5	35	21	1688	5.36	17	5	ND	1	136	1	2	4	57	2.96	.088	5	18	1.47	85	.14	6	1.77	.02	1.29	4	93
6 7320	29	14	15	32	.5	15	6	1452	1.91	5	5	ND	1	521	1	2	3	26	3.20	.031	2	13	.65	97	.02	4	.64	.01	.25	3	360
6 7321	1	40	14	76	.2	13	20	2281	4.57	7	5	ND	1	297	1	2	2	81	6.49	.101	2	22	1.51	138	.13	3	1.83	.02	1.20	1	470
6 7322	1	18	12	174	.3	13	30	2790	6.10	18	5	ND	1	127	1	4	2	101	3.93	.110	3	14	2.81	133	.09	7	2.77	.02	.51	1	25
6 7323	2	13	8	152	.1	5	28	2988	6.41	23	5	ND	1	229	1	2	3	128	4.33	.161	5	10	2.12	93	.03	4	1.63	.04	.50	1	31
6 7324	1	5	8	152	.1	14	14	3286	5.59	13	5	ND	1	200	1	5	2	134	5.78	.088	3	15	3.29	207	.11	9	2.23	.02	1.60	1	6
6 7325	2	750	10	161	1.0	21	25	3285	6.29	57	5	ND	1	128	1	4	2	99	1.97	.076	2	36	2.66	74	.09	3	2.58	.01	.95	2	260
6 7326	1	35	14	168	.1	20	13	2929	4.88	6	5	ND	1	103	1	2	2	102	2.15	.088	2	34	2.64	187	.17	4	2.93	.01	2.04	1	15
6 7327	2	1362	11	179	1.5	18	28	2955	6.88	20	5	ND	1	63	1	2	3	103	1.36	.092	2	32	2.64	77	.21	6	3.01	.02	1.79	2	162
6 7328	1	186	9	95	.2	16	14	2090	3.36	11	5	ND	1	137	1	2	2	73	3.51	.092	2	26	1.60	101	.16	9	1.99	.01	1.01	2	43
6 7329	1	158	15	132	.4	18	22	2954	5.13	14	5	ND	1	204	1	2	3	106	5.39	.087	2	32	2.20	225	.16	2	2.32	.02	1.05	1	23
6 7330	4	1461	15	222	2.0	20	37	3071	8.21	29	5	ND	1	81	1	2	2	133	1.53	.083	3	41	2.99	59	.06	6	2.97	.01	.76	4	134
6 7331	1	153	13	196	.4	21	26	2506	6.65	14	5	ND	1	67	1	2	2	134	1.43	.099	2	41	3.00	183	.20	10	3.08	.03	1.66	1	29
6 7332	2	15	4	71	.1	13	12	1451	2.51	3	5	ND	1	79	1	2	2	19	2.96	.059	5	21	.84	159	.01	6	.66	.03	.25	1	9
6 7333	2	15	5	109	.1	13	13	2188	4.10	7	5	ND	1	146	1	3	2	22	5.39	.067	3	11	1.63	290	.01	4	.41	.01	.29	1	12
STD C/AU-R	20	60	44	132	7.5	71	28	1087	4.15	41	18	8	40	53	19	18	20	60	.49	.093	40	62	.88	180	.07	36	1.82	.06	.14	12	510

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7334	1	30	8	210	.2	19	33	3142	7.97	9	7	ND	1	99	1	2	2	100	2.55	.097	2	32	3.02	57	.03	2	3.14	.02	.44	1	25
6 7335	1	502	10	164	.7	19	31	2769	6.31	9	6	ND	1	179	1	2	2	100	4.61	.090	2	40	2.50	149	.07	2	2.63	.02	.42	1	29
6 7336	1	76	8	182	.3	18	20	3035	6.94	3	9	ND	1	156	1	2	2	103	4.08	.084	3	49	2.96	182	.10	3	2.95	.02	.86	1	5
6 7337	1	82	5	200	.4	19	22	2627	7.01	2	5	ND	1	131	1	2	2	137	2.93	.089	3	41	2.95	170	.17	2	3.54	.02	1.53	1	2
6 7338	1	220	7	158	.3	19	18	2226	4.88	2	5	ND	1	88	1	2	2	107	2.37	.089	2	36	2.71	170	.17	4	2.84	.02	.85	1	2
6 7339	2	180	4	125	.4	15	32	1893	4.67	15	5	ND	1	63	1	2	3	88	1.56	.089	2	24	2.06	90	.16	6	2.22	.03	.59	1	22
6 7340	1	39	4	149	.1	23	24	1991	4.67	3	5	ND	1	251	1	2	2	101	1.38	.112	2	41	2.75	99	.18	2	2.81	.04	.75	1	7
6 7341	1	72	7	148	.3	24	17	2538	5.21	2	5	ND	1	179	1	2	2	126	3.48	.095	3	64	2.86	80	.11	3	2.88	.02	.50	1	6
6 7342	1	44	9	82	.1	8	20	1323	2.81	14	5	ND	1	75	1	2	2	52	1.17	.100	2	6	1.55	62	.12	7	1.80	.02	.61	1	10
6 7343	1	79	5	100	.2	12	30	1653	3.89	20	5	ND	1	93	1	2	2	72	1.43	.115	2	17	1.82	81	.16	8	2.13	.04	.94	1	18
6 7344	2	408	8	97	1.2	18	36	1904	4.56	24	6	ND	1	86	1	2	2	72	1.57	.098	2	26	1.76	55	.16	2	1.93	.02	.63	1	65
6 7345	1	439	5	99	.5	20	22	2144	4.22	12	5	ND	1	238	1	2	2	89	2.52	.089	2	33	1.88	81	.15	2	2.15	.02	.62	1	22
6 7346	1	20	2	147	.1	19	25	2454	5.44	21	5	ND	1	226	1	2	2	108	1.98	.090	2	45	2.75	113	.15	6	2.77	.03	.90	1	4
6 7347	1	87	2	121	.1	18	20	2417	5.08	9	5	ND	1	290	1	2	2	105	3.27	.089	2	41	2.20	137	.11	2	2.33	.02	.97	1	7
6 7348	2	1133	4	81	1.4	20	25	1548	4.11	13	5	ND	1	58	1	2	2	71	1.51	.057	2	31	1.62	77	.14	5	1.76	.01	.68	2	40
6 7349	2	1381	6	142	1.9	23	33	1919	5.60	19	5	ND	1	97	1	3	2	102	1.29	.081	2	32	2.27	113	.20	4	2.64	.01	1.50	2	38
6 7350	1	237	8	170	.7	19	32	3243	7.61	17	8	ND	1	196	1	2	2	117	4.41	.115	3	30	2.89	79	.03	2	3.14	.01	.35	2	41
6 7351	1	18	5	124	.1	17	18	2312	4.45	3	5	ND	1	262	1	2	2	66	3.36	.109	4	18	2.16	233	.04	7	1.93	.03	.38	1	4
6 7352	1	77	2	80	.6	8	15	2439	4.10	22	5	ND	1	102	1	10	2	12	4.41	.069	2	4	1.70	78	.01	4	.33	.01	.22	1	14
6 7353	13	1339	7	113	4.2	11	14	1561	2.50	326	5	ND	1	93	1	172	2	14	3.99	.034	3	2	.93	77	.01	5	.27	.01	.20	1	295
6 7354	3	226	2	49	.9	6	6	1155	1.44	46	5	ND	1	142	1	62	5	8	5.79	.013	2	2	.86	231	.01	14	.17	.01	.14	1	34
6 7355	3	488	7	132	1.3	12	33	3033	6.07	114	5	ND	1	90	1	43	2	29	4.21	.105	2	6	1.81	64	.01	14	.48	.01	.33	1	95
6 7356	3	447	8	62	.8	8	22	2184	4.08	14	5	ND	1	677	1	4	2	75	5.19	.115	3	13	1.36	127	.07	12	1.80	.02	.37	1	21
6 7357	1	184	6	109	.5	13	24	2856	5.86	16	5	ND	1	299	1	2	3	97	4.14	.125	4	16	2.41	130	.07	6	2.93	.02	.71	1	22
6 7358	3	349	13	149	.9	42	31	3629	7.06	24	5	ND	1	146	1	2	2	62	4.85	.118	3	55	3.13	109	.02	2	2.29	.01	.37	1	65
6 7359	3	23	5	88	.3	22	24	2355	4.97	17	5	ND	1	94	1	2	4	28	4.36	.126	3	10	1.87	104	.01	6	.72	.02	.35	1	30
6 7360	1	226	4	149	.5	36	22	3249	5.77	7	5	ND	1	369	1	2	2	84	2.91	.104	5	63	3.15	238	.10	7	3.13	.02	1.11	1	68
6 7361	2	116	3	117	.4	20	18	2644	4.75	5	5	ND	1	244	1	2	2	82	2.80	.118	2	25	2.75	204	.12	3	2.94	.01	.66	1	32
6 7362	1	203	6	96	.2	11	16	2116	4.07	3	5	ND	1	112	1	2	2	95	2.26	.124	2	17	2.28	175	.17	4	2.53	.02	.81	1	6
6 7363	2	403	3	125	.9	12	25	2492	4.70	13	5	ND	1	125	1	2	2	97	2.56	.125	2	19	2.56	145	.18	9	2.79	.02	.81	1	13
6 7364	1	184	8	125	.5	11	27	2301	5.18	18	5	ND	1	105	1	2	2	115	1.78	.124	2	20	2.60	176	.21	15	2.88	.03	1.07	1	22
6 7365	1	364	7	141	.8	13	30	2424	5.87	18	5	ND	1	130	1	2	2	95	1.99	.121	3	16	2.88	95	.18	2	3.15	.01	1.15	1	32
6 7366	2	105	10	153	.4	13	38	2816	6.11	28	5	ND	1	129	1	2	2	104	2.25	.124	3	20	3.08	129	.19	6	3.39	.02	1.03	2	46
6 7367	1	183	7	113	.4	21	24	2288	5.70	2	5	ND	1	100	1	2	2	148	2.63	.094	2	53	2.81	249	.19	2	3.18	.02	1.57	2	28
6 7368	2	105	11	113	.3	18	31	2731	6.17	9	5	ND	1	260	1	2	2	120	6.38	.082	4	45	2.82	127	.02	2	3.08	.02	.24	1	131
6 7369	1	147	2	72	.2	15	15	2321	4.91	15	5	ND	1	107	1	2	2	32	2.87	.090	3	7	1.48	508	.01	7	.51	.01	.33	1	14
STD C/AU-R	19	59	38	131	7.3	70	29	1039	3.91	41	17	9	39	51	18	18	19	57	.46	.089	38	61	.87	181	.07	32	1.90	.06	.14	12	480

SAMPLE#	T-MPE																							ME		FR		T-41		FIL		87-		Page										
	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	AUX PPB													
6 7370	1	60	7	133	.1	16	37	2634	9.69	18	5	ND	1	74	1	2	2	74	3.65	.093	3	24	1.99	43	.02	6	.73	.01	.50	1	63													
6 7371	1	89	9	82	.1	10	13	2998	5.86	17	5	ND	1	160	1	10	2	41	6.36	.079	4	6	2.36	642	.01	7	.37	.01	.32	1	4													
6 7372	1	15	9	107	.1	19	25	2291	7.22	8	5	ND	1	162	1	4	2	136	3.79	.089	5	42	3.07	381	.15	2	3.12	.01	2.09	1	3													
6 7373	1	435	4	81	.7	16	17	2204	6.07	10	5	ND	1	427	1	2	2	132	6.53	.081	8	40	2.64	361	.12	2	2.88	.01	1.62	1	22													
6 7374	1	202	9	118	.3	20	23	2726	7.73	16	5	ND	1	515	1	2	2	143	4.64	.090	4	80	2.90	263	.10	2	2.88	.02	1.08	1	25													
6 7375	1	522	4	110	.4	22	18	2762	8.11	23	5	ND	1	143	1	4	2	115	5.41	.131	5	100	2.47	194	.07	2	1.97	.01	.81	3	22													
6 7376	1	479	7	91	.4	9	25	1517	6.27	6	5	ND	1	357	1	3	2	84	1.76	.101	5	19	2.32	153	.08	2	2.50	.02	.81	1	20													
6 7377	2	37	5	106	.2	20	28	1950	7.93	14	5	ND	1	160	1	3	2	140	1.94	.086	3	45	3.16	238	.12	2	3.34	.02	1.14	1	29													
6 7378	5	97	12	123	.1	18	28	2085	8.64	15	5	ND	2	202	1	2	2	155	1.76	.090	3	50	3.54	113	.19	2	3.97	.02	2.21	2	24													
6 7379	2	318	12	75	.1	8	21	1287	6.42	12	5	ND	1	177	1	2	2	74	1.22	.093	5	12	2.02	101	.11	2	2.39	.02	1.31	1	31													
6 7380	1	127	11	111	.1	20	26	2367	7.65	19	5	ND	1	190	1	2	2	129	2.86	.098	3	44	2.53	95	.08	2	2.68	.02	.83	1	46													
6 7381	4	18	2	47	.1	3	12	1429	3.95	8	5	ND	1	79	1	2	3	25	2.71	.106	8	3	.98	91	.01	7	.52	.02	.31	3	17													
6 7382	1	37	13	94	.1	14	25	2129	6.51	18	5	ND	1	117	1	2	2	108	2.99	.098	6	34	2.25	83	.07	2	2.32	.02	.80	1	43													
6 7383	1	142	12	115	.1	20	18	2344	6.31	14	5	ND	1	176	1	4	2	143	3.36	.089	3	49	2.86	203	.09	5	2.87	.02	.92	1	10													
6 7384	1	69	6	116	.1	20	19	2303	5.82	6	5	ND	1	385	1	2	2	113	3.01	.086	2	53	3.18	175	.12	5	3.11	.02	.56	1	19													
6 7385	1	75	3	115	.1	21	22	2341	6.72	9	5	ND	1	218	1	2	2	129	2.33	.089	2	57	3.24	122	.13	2	3.16	.02	.77	1	45													
6 7386	1	101	10	125	.3	17	36	2349	8.30	32	5	ND	1	106	1	2	2	104	1.99	.102	5	39	2.85	65	.09	3	3.06	.02	.82	1	225													
6 7387	3	151	6	65	.3	7	31	1251	4.99	18	5	ND	1	154	1	2	2	56	1.50	.117	8	10	1.46	71	.07	2	1.68	.03	.61	1	275													
6 7388	1	53	12	111	.2	18	41	2515	9.37	42	5	ND	1	85	1	2	2	132	2.04	.095	4	47	3.12	35	.10	2	3.22	.02	.98	1	225													
6 7389	1	32	9	135	.1	23	28	2826	9.17	32	5	ND	1	72	1	2	2	147	1.92	.088	2	58	3.56	56	.15	2	3.71	.02	1.27	1	225													
6 7390	1	119	4	79	.1	13	19	2022	5.74	17	5	ND	1	218	1	2	2	105	3.10	.087	8	32	2.11	108	.06	2	2.37	.01	.79	1	84													
6 7391	2	77	4	49	.1	4	10	1202	3.45	12	5	ND	1	60	1	3	2	38	2.29	.110	11	5	.98	93	.04	7	1.20	.01	.59	1	45													
6 7392	1	9	3	56	.1	2	10	1349	3.60	6	5	ND	1	77	1	2	2	37	3.11	.103	9	5	1.09	88	.01	3	1.13	.02	.21	1	33													
6 7393	1	92	2	58	.2	4	19	1304	4.33	14	5	ND	1	196	1	2	2	31	2.45	.106	9	5	1.10	70	.03	4	1.30	.02	.42	1	49													
6 7394	2	18	7	69	.1	7	21	1069	5.05	18	5	ND	1	51	1	2	2	38	1.27	.100	8	12	1.34	66	.08	3	1.65	.02	.96	1	48													
6 7395	1	13	5	63	.1	3	14	1087	4.27	13	5	ND	1	62	1	4	2	36	1.62	.105	8	6	1.22	98	.09	2	1.56	.02	1.01	1	29													
6 7396	1	16	4	67	.1	5	21	962	5.55	11	5	ND	2	32	1	2	2	29	.91	.101	8	5	1.27	58	.10	2	1.71	.01	1.26	1	57													
6 7397	2	32	6	61	.1	4	21	851	5.09	12	5	ND	2	30	1	2	2	27	.91	.098	8	4	1.10	56	.08	5	1.57	.01	1.07	1	56													
6 7398	1	12	3	50	.1	4	12	1060	3.87	9	5	ND	2	71	1	2	2	43	2.40	.108	8	6	1.02	65	.04	2	1.24	.02	.41	1	31													
6 7399	3	8	2	61	.1	5	10	1049	4.09	7	5	ND	1	109	1	2	2	60	2.10	.114	8	6	1.18	86	.05	5	1.39	.03	.60	5	47													
6 7400	1	13	8	58	.1	5	16	934	4.67	10	5	ND	1	36	1	2	2	41	1.11	.113	11	6	1.09	75	.06	4	1.46	.02	.85	1	39													
6 7401	3	15	5	62	.1	5	20	1090	4.71	13	5	ND	1	296	1	2	2	64	1.65	.105	5	7	1.42	83	.08	2	1.70	.03	.86	1	22													
STD C/AU-R	19	61	37	124	7.1	68	28	1034	4.02	40	20	8	38	52	19	18	21	58	.48	.088	39	60	.90	177	.06	40	1.84	.06	.13	13	510													
6 7402	3	47	11	87	.1	13	33	1415	7.86	27	5	ND	2	140	1	2	2	99	1.79	.096	4	22	2.28	48	.13	2	2.79	.02	1.66	1	45													
6 7403	2	67	6	55	.1	9	17	1108	4.68	15	5	ND	2	183	1	2	2	72	2.23	.098	6	15	1.50	65	.03	2	1.64	.02	.28	5	34													
6 7404	1	18	4	58	.1	8	13	1013	3.91	11	5	ND	2	92	1	2	2	65	1.70	.108	7	12	1.42	73	.02	2	1.43	.02	.23	1	12													
6 7405	1	19	3	51	.1	4	13	813	3.54	14	5	ND	1	168	1	2	2	55	1.19	.109	6	7	1.28	84	.04	2	1.35	.02	.43	1	3													

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7406	1	120	8	130	.6	23	36	1872	8.41	42	5	ND	4	80	1	9	2	113	1.17	.094	2	48	3.39	33	.10	3	3.42	.01	1.15	2	31
6 7407	1	114	11	113	.4	21	22	1947	5.43	24	5	ND	3	100	1	4	2	98	2.34	.095	2	44	2.73	59	.09	3	2.72	.02	.32	1	21
6 7408	1	86	12	107	.4	22	29	1913	6.33	31	5	ND	3	87	1	6	2	110	1.82	.091	2	47	3.24	67	.13	2	3.42	.01	1.39	1	32
6 7409	1	104	9	79	.1	20	32	1411	5.20	27	5	ND	2	118	1	2	2	72	1.90	.084	2	31	2.22	54	.10	4	2.43	.01	.46	1	60
6 7410	1	43	11	92	.2	23	22	1737	5.57	23	5	ND	2	558	1	9	2	87	3.23	.091	3	38	2.65	73	.04	3	2.94	.01	.41	1	34
6 7411	2	591	23	84	1.0	23	43	1991	8.12	65	5	ND	2	619	1	9	2	97	4.71	.084	7	44	2.44	36	.03	2	2.80	.01	.55	2	156
6 7412	1	1028	20	98	1.5	24	40	1854	7.89	45	5	ND	2	232	1	6	2	128	2.72	.093	4	51	2.89	36	.09	3	3.38	.01	1.39	2	126
6 7413	1	105	7	78	.3	18	23	2001	5.69	32	5	ND	2	790	1	10	2	126	5.21	.085	5	43	2.60	63	.07	5	2.94	.01	1.06	1	38
6 7414	1	38	12	70	.1	20	22	1433	5.87	25	6	ND	2	125	1	2	2	110	2.93	.085	2	41	2.30	67	.11	2	2.70	.02	1.22	1	48
6 7415	5	1061	11	49	1.2	7	32	1036	5.79	32	6	ND	3	94	1	2	2	68	2.37	.103	9	15	1.28	41	.01	2	1.36	.02	.17	1	98
6 7416	2	110	15	86	.4	17	28	1564	7.05	27	5	ND	3	75	1	5	2	120	1.88	.100	5	40	2.85	55	.09	3	3.14	.01	1.18	1	44
6 7417	2	446	11	74	.6	16	31	2377	7.18	32	5	ND	2	256	1	8	2	85	6.05	.082	7	31	2.23	60	.06	2	2.88	.01	.94	3	56
6 7418	6	861	10	60	1.1	12	43	1641	8.75	36	5	ND	3	191	1	6	4	49	3.67	.088	5	18	1.56	22	.03	2	1.95	.01	.59	24	118
6 7419	2	531	9	51	.6	9	31	2076	7.43	43	5	ND	1	411	1	6	2	32	6.49	.079	4	11	1.58	23	.01	2	1.20	.01	.30	1	106
6 7420	3	806	4	41	.9	4	23	882	5.62	20	5	ND	2	121	1	2	2	31	1.71	.107	6	4	.78	48	.04	4	1.24	.01	.69	1	320
6 7421	4	783	4	43	.9	5	27	945	6.66	23	5	ND	2	174	1	2	2	33	1.70	.103	7	5	.85	28	.03	2	1.18	.02	.58	2	160
6 7422	3	80	7	50	.1	5	12	868	3.55	13	5	ND	2	134	1	2	2	48	1.42	.113	6	6	1.15	93	.06	2	1.50	.03	.58	21	24
6 7423	2	19	5	47	.1	5	8	843	3.19	9	5	ND	2	123	1	2	2	50	1.87	.113	5	6	1.10	77	.05	2	1.26	.04	.35	2	17
6 7424	4	16	4	46	.1	5	11	760	3.35	9	5	ND	2	112	1	2	2	41	1.75	.111	5	7	1.10	55	.05	2	1.30	.03	.27	2	47
6 7425	2	19	3	58	.1	6	8	791	3.96	9	5	ND	2	61	1	2	2	42	.91	.108	6	8	1.51	48	.04	2	1.69	.02	.26	1	16
6 7426	4	39	9	43	.1	4	15	701	3.88	16	5	ND	3	76	1	2	2	38	1.26	.106	6	5	1.05	53	.06	4	1.38	.02	.49	1	56
6 7427	7	1132	12	32	1.0	7	59	620	13.69	61	5	ND	2	88	1	2	2	25	1.16	.059	4	2	.54	15	.02	2	.84	.01	.22	2	340
6 7428	2	39	4	35	.4	6	34	533	5.31	28	5	ND	2	69	1	2	2	30	.81	.116	5	6	.73	31	.06	6	1.08	.02	.41	1	67
6 7429	22	82	8	39	.4	6	54	724	9.74	56	5	ND	2	73	1	2	2	28	1.20	.093	6	4	.76	18	.02	5	1.14	.02	.31	1	103
6 7430	4	40	4	49	.1	23	27	771	4.89	38	5	ND	2	107	1	2	2	36	1.32	.109	6	50	.99	41	.05	3	1.24	.02	.22	1	58
6 7431	5	72	8	60	.1	6	15	921	3.97	25	5	ND	2	77	1	2	2	48	1.54	.112	7	15	1.26	63	.09	5	1.49	.02	.34	1	38
6 7432	4	172	5	41	.6	7	58	685	8.84	43	5	ND	3	72	1	2	2	30	.96	.099	5	5	.81	19	.04	2	1.12	.01	.33	1	210
6 7433	4	122	3	47	.4	7	42	702	6.67	24	5	ND	3	77	1	2	2	33	1.10	.104	5	5	.88	26	.05	4	1.23	.02	.41	4	169
6 7434	4	42	7	54	.1	5	20	771	4.34	30	5	ND	2	86	1	2	2	46	1.40	.109	6	6	1.06	50	.06	2	1.32	.02	.54	4	41
6 7435	2	24	10	50	.1	6	13	859	3.38	21	5	ND	2	129	1	2	2	53	2.15	.110	9	7	1.12	79	.04	2	1.37	.02	.50	1	36
6 7436	4	91	8	54	.3	6	19	774	4.22	37	5	ND	2	106	1	2	2	42	1.34	.104	8	6	1.11	54	.06	2	1.55	.02	.76	1	45
6 7437	7	382	10	45	1.4	10	90	851	19.47	109	5	ND	3	111	1	2	2	31	1.55	.065	6	1	.62	14	.01	2	.89	.01	.28	2	510
6 7438	6	306	13	40	.9	8	51	673	11.43	32	5	ND	2	107	1	2	2	38	1.12	.091	10	4	.61	21	.01	6	.98	.01	.37	1	400
6 7439	1	96	12	50	.2	6	19	880	4.54	19	5	ND	2	138	1	2	3	32	2.02	.111	9	5	.93	45	.01	2	1.24	.01	.27	1	54
6 7440	2	79	10	52	.1	5	21	835	4.76	28	5	ND	1	87	1	2	3	36	1.83	.110	7	5	.95	34	.01	3	1.08	.01	.31	1	61
6 7441	1	80	7	48	.1	6	17	840	4.16	27	5	ND	1	70	1	2	2	35	1.81	.102	6	6	.93	48	.01	2	.87	.01	.31	2	54
STD C/AU-R	20	59	42	128	7.4	65	27	1047	3.92	39	18	8	39	51	18	17	20	58	.46	.089	39	57	.87	175	.07	36	1.91	.06	.14	12	520

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AUR
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6 7442	1	119	9	87	.1	19	15	2944	6.80	20	5	ND	1	174	1	2	2	59	6.84	.144	6	52	2.70	217	.01	4	1.47	.01	.37	1	8
6 7443	1	208	7	81	.2	12	17	2918	6.70	16	5	ND	1	196	1	2	3	45	8.25	.144	4	29	2.37	155	.01	6	.73	.01	.37	1	14
6 7444	3	340	9	63	.4	13	19	2402	6.04	27	5	ND	1	161	1	2	2	31	7.47	.126	4	19	2.08	56	.01	6	.47	.02	.35	1	41
6 7445	2	76	2	29	.1	4	11	1050	3.05	7	5	ND	1	86	1	2	2	11	3.70	.091	7	3	.92	76	.01	2	.31	.04	.23	1	12
6 7446	1	78	8	59	.1	6	15	1136	5.29	12	5	ND	3	84	1	2	2	31	2.42	.117	8	6	.93	58	.01	5	.60	.03	.28	1	18
6 7447	5	35	3	38	.1	7	17	1124	4.28	20	5	ND	2	95	1	2	2	14	2.98	.088	6	3	.82	48	.01	9	.30	.03	.27	1	22
6 7448	1	18	6	25	.1	4	14	965	3.62	7	5	ND	1	62	1	2	2	13	2.31	.093	7	2	.57	45	.01	2	.27	.03	.23	1	21
6 7449	1	31	5	34	.1	5	13	1083	4.10	13	5	ND	1	92	1	2	2	18	3.43	.096	7	3	.90	51	.01	7	.29	.03	.24	1	25
6 7450	1	90	2	33	.1	6	14	1070	4.15	15	5	ND	2	67	1	2	2	22	2.62	.101	8	5	.70	79	.01	6	.34	.03	.26	2	25
6 7451	1	58	2	46	.1	11	18	1350	4.01	22	5	ND	1	93	1	2	2	11	3.33	.103	9	2	.87	71	.01	5	.36	.02	.29	1	35
6 7452	1	15	5	48	.1	7	12	2330	4.76	15	5	ND	1	121	1	2	2	10	6.15	.067	6	1	1.50	107	.01	4	.28	.02	.26	1	13
6 7453	1	19	3	39	.1	6	14	1338	4.19	13	5	ND	2	76	1	2	2	17	3.22	.105	9	3	.81	62	.01	4	.39	.03	.30	2	125
6 7454	1	24	4	35	.1	4	14	995	3.83	17	5	ND	1	57	1	2	2	22	2.20	.101	9	4	.63	58	.01	3	.39	.03	.27	1	34
6 7455	1	11	7	53	.1	10	16	1129	4.22	9	5	ND	1	83	1	2	2	19	3.10	.101	6	3	.93	34	.01	6	.32	.02	.21	1	21
6 7456	3	15	9	46	.1	8	18	870	4.17	20	5	ND	1	63	1	3	2	19	1.94	.098	8	3	.71	32	.01	5	.38	.02	.25	1	31
6 7457	1	11	6	45	.1	8	12	896	4.08	22	5	ND	1	73	1	2	2	22	2.58	.118	10	3	.93	32	.01	14	.47	.02	.32	1	57
6 7458	2	67	2	37	.1	12	11	955	3.21	13	5	ND	1	97	1	2	2	15	3.42	.074	7	6	1.00	56	.01	2	.29	.03	.18	1	26
6 7459	2	360	9	70	.4	12	21	1505	7.31	16	5	ND	1	122	1	2	4	64	4.75	.152	5	5	1.40	28	.01	5	.85	.02	.22	1	92
6 7460	1	340	5	61	.1	11	17	1263	5.64	15	5	ND	1	138	1	2	2	75	4.36	.160	7	8	1.71	58	.01	2	1.56	.03	.33	1	65
6 7461	2	465	3	71	.3	17	17	1244	6.06	19	5	ND	1	290	1	2	2	96	3.30	.169	8	9	2.25	69	.05	7	2.23	.04	.73	1	69
6 7462	1	92	4	71	.3	11	25	1534	7.50	21	5	ND	2	1205	1	2	4	112	4.61	.148	12	16	2.11	55	.01	2	1.97	.03	.17	1	31
STD C/AU-R	21	66	41	131	7.3	73	29	1251	4.24	44	18	8	41	56	20	17	20	61	.51	.097	42	59	.90	181	.07	37	1.79	.07	.14	11	490

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: OCT 13 1987 DATE REPORT MAILED: Oct 19/87 ASSAYER: *D. J. ...* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4818 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
6 7463	2	27	5	128	.2	16	20	2243	6.36	6	5	ND	2	82	1	2	2	126	2.02	.102	3	16	3.18	60	.04	2	2.97	.04	.42	2	11
6 7464	3	348	5	61	.6	16	28	2280	5.65	9	5	ND	1	136	1	2	2	103	5.61	.089	4	14	1.83	41	.02	3	1.98	.02	.13	3	40
6 7465	4	740	4	141	.8	98	36	2630	8.31	20	5	ND	2	114	1	2	2	130	3.04	.135	2	300	3.86	41	.12	2	3.36	.03	.52	3	39
6 7466	9	178	10	151	.5	64	24	2850	6.79	15	5	ND	2	144	1	2	2	125	4.16	.099	2	95	3.72	37	.11	2	3.28	.03	.19	4	21
6 7467	5	27	5	161	.3	14	21	2219	5.35	13	5	ND	1	119	1	2	2	105	3.73	.105	2	20	2.69	58	.12	2	2.61	.03	.23	3	22
6 7468	3	22	5	145	.4	13	25	1989	5.23	9	5	ND	2	89	1	2	2	111	2.93	.109	2	17	2.74	34	.15	2	2.61	.05	.17	1	11
6 7469	3	58	5	132	.2	20	35	2186	7.40	16	5	ND	1	85	1	2	2	149	3.42	.097	2	21	3.36	44	.11	2	3.32	.04	.37	1	8
6 7470	4	25	4	53	.1	19	18	1052	3.20	5	5	ND	2	76	1	3	2	43	2.52	.065	3	26	1.16	89	.03	2	1.24	.05	.27	2	23
6 7471	5	32	5	101	.5	20	16	1861	5.88	7	5	ND	2	108	1	2	2	73	4.45	.086	4	27	2.27	47	.02	2	1.48	.03	.30	1	51
6 7472	9	244	7	116	.7	15	26	1941	7.81	11	5	ND	1	212	1	2	2	139	4.04	.100	4	53	3.33	47	.03	3	3.00	.03	.33	4	82
6 7473	5	160	5	105	.4	11	28	1585	6.90	9	5	ND	2	240	1	2	2	124	2.92	.100	4	17	2.63	74	.08	2	2.72	.04	.73	4	69
6 7474	10	453	8	112	.6	11	27	1465	7.80	15	5	ND	1	112	1	2	2	142	2.26	.099	4	17	2.81	60	.08	2	2.91	.04	.79	2	79
6 7475	10	1556	422	73	4.2	11	40	1060	11.94	17	5	ND	2	135	1	2	2	103	2.20	.067	3	13	1.62	20	.05	2	1.70	.04	.37	3	1185
6 7476	10	2015	20	43	1.8	13	52	734	14.29	27	5	ND	2	121	1	2	2	55	1.94	.051	2	9	.75	14	.02	2	.86	.04	.14	4	385
6 7477	3	299	8	130	.5	14	32	1570	7.02	13	5	ND	2	72	1	2	2	135	2.24	.104	2	18	3.22	45	.09	2	2.98	.05	.44	3	101
6 7478	2	160	6	100	.7	15	27	1370	5.78	11	7	ND	2	63	1	2	2	105	2.28	.110	2	18	2.47	58	.12	2	2.29	.05	.66	3	71
6 7479	3	289	5	103	.3	14	32	1417	6.23	12	5	ND	1	120	1	2	2	114	2.74	.097	3	17	2.38	67	.11	2	2.33	.04	.83	1	103
6 7480	2	27	7	102	.3	14	29	1531	5.21	15	5	ND	1	99	1	2	2	120	3.08	.111	2	16	2.54	42	.12	2	2.37	.05	.44	2	32
6 7481	2	31	3	108	.1	14	22	1366	5.29	9	5	ND	1	67	1	3	2	117	2.16	.114	2	17	2.54	62	.18	2	2.40	.06	.81	1	45
6 7482	3	124	3	80	.2	20	19	1478	4.60	9	5	ND	1	221	1	2	2	49	5.11	.111	4	25	1.52	40	.01	7	1.55	.03	.27	1	64
6 7483	7	110	4	83	.3	19	20	1166	4.53	12	5	ND	2	256	1	2	2	76	2.52	.112	4	34	2.12	57	.05	3	1.80	.04	.25	1	67
6 7484	2	36	3	87	.2	18	17	1356	4.27	14	5	ND	2	321	1	2	2	75	2.92	.116	4	58	2.31	72	.03	3	2.03	.04	.35	1	52
6 7485	5	98	3	86	.5	19	21	1244	4.51	14	5	ND	2	103	1	2	2	61	2.87	.110	4	32	2.06	29	.06	3	1.95	.05	.24	2	62
6 7486	2	223	3	107	.3	25	30	1420	5.77	14	5	ND	1	113	1	2	2	82	2.33	.120	3	65	2.41	49	.13	6	2.20	.06	.44	1	91
6 7487	6	304	4	108	.5	27	26	1496	6.27	18	5	ND	1	73	1	2	2	88	2.11	.105	2	56	2.57	48	.14	2	2.33	.06	.57	2	88
6 7488	3	497	6	101	.5	25	23	1809	5.52	13	5	ND	1	132	1	2	2	92	2.93	.114	3	91	2.61	27	.12	3	2.27	.05	.17	2	143
6 7489	2	88	2	49	.1	15	7	690	2.48	8	5	ND	1	135	1	2	2	23	1.42	.066	2	22	.93	46	.07	2	1.01	.05	.20	2	42
6 7490	11	54	6	109	.4	23	15	1168	6.52	11	5	ND	1	147	1	2	2	48	1.82	.097	2	42	2.39	47	.10	6	2.38	.05	.40	3	51
6 7491	3	31	2	90	.2	23	3	1113	4.63	10	5	ND	1	81	1	2	2	42	2.21	.099	2	50	1.73	26	.09	2	1.62	.05	.23	1	36
6 7492	7	22	3	70	.1	20	4	1016	3.26	12	5	ND	1	70	1	2	2	48	1.97	.108	2	30	1.53	31	.08	2	1.46	.06	.24	2	38
6 7493	6	8	4	32	.2	13	4	604	1.58	7	5	ND	1	141	1	2	2	15	1.57	.053	2	16	.60	48	.03	4	.75	.06	.22	1	59
6 7494	3	9	2	28	.1	13	5	523	1.64	8	5	ND	1	78	1	2	2	16	1.46	.055	2	16	.56	35	.04	2	.68	.06	.16	2	30
6 7495	2	17	3	75	.1	14	13	971	3.22	10	5	ND	1	121	1	2	2	45	1.79	.091	2	10	1.47	48	.11	2	1.43	.07	.29	2	1
6 7496	1	33	4	100	.2	12	15	1254	4.34	16	5	ND	1	97	1	2	2	64	2.24	.127	2	3	1.96	47	.14	2	1.89	.06	.31	1	59
6 7497	1	6	2	47	.1	14	2	608	1.14	7	5	ND	1	64	1	2	2	15	1.29	.053	2	19	.67	68	.01	5	.72	.06	.10	2	14
6 7498	1	28	6	44	.2	18	5	747	1.51	6	5	ND	1	122	1	2	2	12	1.98	.054	4	18	.68	109	.01	5	.76	.05	.16	2	46
STD C/AU-R	18	57	36	130	7.1	67	27	1034	3.86	41	25	6	38	49	18	15	20	56	.48	.085	37	57	.85	175	.08	33	1.80	.08	.15	14	495

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUT
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7499	1	49	4	47	.2	16	5	648	1.53	5	5	ND	2	127	1	2	2	21	1.51	.056	9	22	.74	75	.01	8	.84	.07	.19	1	2
6 7500	25	19	4	42	.1	17	8	711	1.77	7	8	ND	2	114	1	2	2	21	1.88	.055	6	19	.69	71	.02	2	.80	.06	.22	1	43
6 7501	2	4	2	43	.1	17	2	737	1.14	4	5	ND	2	135	1	2	2	17	2.25	.058	4	29	.76	122	.02	3	.84	.05	.23	1	37
6 7502	4	146	5	41	.5	23	4	849	1.66	3	5	ND	3	146	1	2	2	22	1.98	.048	7	28	.73	124	.03	8	.78	.07	.29	1	86
6 7503	3	82	4	38	.2	20	5	642	1.60	5	5	ND	2	173	1	2	2	17	1.56	.042	9	20	.62	104	.01	6	.71	.07	.15	1	25
6 7504	6	8	4	43	.2	28	4	829	1.79	3	5	ND	2	121	1	2	2	24	1.83	.046	7	32	.82	94	.01	7	.79	.07	.08	1	3
6 7505	4	55	5	40	.1	21	5	751	1.92	3	5	ND	3	192	1	2	2	16	2.28	.047	7	21	.60	102	.01	3	.77	.05	.16	1	38
6 7506	3	20	4	50	.2	23	6	892	2.01	6	5	ND	2	165	1	2	2	26	2.12	.057	6	27	.86	86	.02	2	.90	.07	.25	1	88
6 7507	4	70	6	47	.4	25	20	834	2.68	4	5	ND	2	166	1	2	2	25	1.54	.052	8	47	.92	50	.05	2	1.00	.06	.41	1	33
6 7508	16	24	2	43	.3	20	20	674	2.49	7	5	ND	2	120	1	2	2	30	1.04	.045	6	29	.83	70	.04	2	.89	.07	.29	2	35
6 7509	4	27	3	38	.1	19	20	751	2.56	6	5	ND	2	156	1	2	2	24	1.27	.044	7	24	.74	69	.05	2	.84	.07	.38	19	39
6 7510	6	12	4	39	.2	21	17	665	2.46	4	5	ND	3	113	1	2	2	24	1.12	.047	8	41	.75	63	.02	2	.84	.06	.26	1	38
6 7511	2	11	5	42	.3	15	11	647	2.02	2	5	ND	3	112	1	2	2	20	1.08	.039	10	23	.68	160	.03	3	.86	.05	.33	1	225
STD C/AU-R	18	57	38	132	7.3	67	26	1029	3.84	39	18	6	38	48	18	18	20	55	.48	.083	37	57	.85	172	.08	32	1.78	.08	.13	12	510

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: OCT 19 1987

DATE REPORT MAILED: Oct 23/87

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4970 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7512	7	10	3	30	.1	15	17	690	2.23	7	5	ND	4	108	1	2	2	17	1.68	.048	7	19	.39	133	.01	5	.60	.03	.21	2	17
6 7513	2	9	2	31	.1	17	13	624	2.32	8	5	ND	3	44	1	2	2	22	1.24	.049	10	18	.54	112	.06	3	.71	.03	.53	1	31
6 7514	5	8	4	33	.1	15	14	865	2.40	5	5	ND	4	60	1	2	2	24	1.39	.036	10	14	.52	96	.02	2	.36	.02	.22	1	101
6 7515	78	10	5	27	.1	11	15	817	2.06	5	5	ND	3	93	1	2	2	22	1.72	.051	7	15	.55	124	.01	5	.31	.02	.12	1	46
6 7516	1	7	3	30	.1	12	21	650	2.37	6	5	ND	2	68	1	2	2	16	1.61	.047	4	13	.43	66	.03	2	.59	.02	.41	1	28
6 7517	5	18	3	38	.4	13	21	960	3.17	7	5	ND	3	94	1	2	2	30	2.64	.048	7	11	.64	50	.05	4	.66	.01	.50	3	160
6 7518	3	31	5	92	.4	24	37	1740	6.76	18	5	ND	3	128	1	2	2	101	4.66	.103	8	45	1.80	68	.18	4	1.83	.01	1.40	1	54
6 7519	3	11	4	38	.1	13	12	661	2.19	6	5	ND	2	202	1	2	2	22	1.39	.053	8	25	.62	133	.02	7	.72	.02	.35	1	46
6 7520	12	13	3	78	.2	17	12	1197	6.27	7	5	ND	3	190	1	2	2	77	1.99	.087	4	43	1.47	115	.12	5	1.58	.03	1.02	1	53
6 7521	4	15	4	65	.6	14	23	900	4.70	12	6	ND	4	200	2	2	2	59	1.55	.100	5	21	1.20	67	.09	11	1.35	.02	.84	1	47
6 7522	8	23	2	68	.3	10	49	1074	6.51	20	5	ND	3	130	1	2	2	71	1.79	.113	6	13	1.29	31	.10	5	1.36	.02	.81	4	162
6 7523	2	11	2	70	.1	6	12	830	4.03	12	5	ND	2	84	1	2	2	67	1.19	.124	4	11	1.25	60	.11	3	1.24	.04	.66	1	29
6 7524	2	22	7	82	.3	7	17	884	4.72	16	5	ND	2	77	1	2	2	60	1.26	.119	4	12	1.28	47	.11	3	1.30	.04	.47	1	76
6 7525	1	12	6	85	.2	5	15	923	4.56	12	5	ND	2	84	1	2	2	64	1.28	.123	4	18	1.35	56	.12	12	1.32	.04	.46	1	82
6 7526	3	183	5	77	.5	7	68	1000	6.31	14	5	ND	3	111	1	2	2	58	1.65	.103	3	12	1.46	40	.08	5	1.61	.02	.69	51	114
6 7527	4	14	4	69	.3	6	22	809	4.14	14	5	ND	2	169	1	2	2	54	1.59	.122	6	11	1.18	69	.05	4	1.25	.03	.44	1	97
6 7528	2	23	3	59	.2	6	25	1470	4.68	12	5	ND	3	281	1	2	2	49	4.26	.109	11	10	.88	50	.01	8	.96	.02	.22	3	320
6 7529	1	73	6	67	.2	13	65	1100	5.22	15	5	ND	3	299	1	2	2	53	2.37	.105	7	27	1.28	38	.03	6	1.31	.01	.45	1	240
6 7530	3	22	3	115	.1	29	27	1185	6.53	12	5	ND	3	78	1	2	2	98	1.09	.103	4	82	2.49	49	.14	4	2.40	.03	1.36	1	37
6 7531	8	21	8	106	.6	26	26	1213	6.19	11	14	ND	5	119	2	2	2	92	1.31	.090	4	75	2.35	56	.12	13	2.25	.03	1.16	2	52
6 7532	16	29	3	101	.2	25	32	1149	6.65	10	5	2	2	175	1	2	2	97	1.41	.095	4	64	2.24	44	.13	3	2.19	.03	1.24	1	790
6 7533	9	69	7	91	.1	23	30	1112	5.31	14	5	ND	1	78	1	2	2	83	1.19	.091	2	50	1.98	49	.11	2	1.91	.03	.96	1	49
6 7534	5	123	3	96	.5	25	24	1185	6.43	12	5	ND	3	108	1	2	2	101	1.45	.093	4	52	2.13	57	.11	6	2.04	.03	1.07	1	65
6 7535	3	100	5	110	.2	38	24	1330	7.03	11	5	ND	2	170	1	2	2	105	1.76	.105	4	104	2.64	66	.08	3	2.29	.02	.75	1	75
6 7536	6	137	6	90	.5	27	24	1062	5.11	11	5	ND	3	231	2	2	2	81	1.41	.084	5	60	1.86	76	.09	4	1.81	.03	1.01	1	56
6 7537	3	33	2	83	.1	20	18	1013	4.64	9	5	ND	3	126	1	2	2	56	1.65	.092	8	57	1.37	79	.03	7	1.09	.03	.43	1	28
6 7538	4	62	6	85	.2	7	38	1162	6.41	10	5	ND	3	278	1	2	2	57	2.48	.116	5	9	1.22	47	.01	4	.82	.02	.22	1	61
6 7539	1	10	8	36	.1	4	5	631	1.91	2	5	ND	6	164	1	2	3	7	3.07	.046	16	8	.85	500	.01	5	.27	.02	.18	1	1
6 7554	6	84	7	43	.3	5	24	990	4.01	37	5	ND	3	210	1	7	2	13	3.11	.125	6	6	1.02	23	.01	8	.41	.01	.27	2	49
6 7555	6	38	6	50	.1	6	21	876	3.80	21	5	ND	2	210	1	2	2	16	2.61	.109	3	8	1.09	26	.01	7	.38	.02	.25	1	70
6 7556	43	161	7	69	.1	6	35	892	4.62	63	5	ND	3	116	1	8	2	24	2.74	.117	12	21	1.12	22	.01	7	.38	.03	.24	1	41
6 7557	4	69	8	55	.1	4	22	741	3.91	32	5	ND	3	116	1	5	2	18	2.58	.122	11	5	1.04	22	.01	5	.40	.03	.27	1	58
6 7558	18	87	6	47	.3	4	11	843	3.13	37	5	ND	3	154	1	10	2	15	2.82	.127	7	5	1.03	32	.01	7	.39	.02	.25	2	74
6 7559	4	263	6	65	.1	4	21	899	3.69	107	5	ND	3	108	1	11	2	15	2.24	.123	8	7	.90	22	.01	9	.48	.02	.33	1	48
6 7560	16	24	8	71	.1	5	23	1364	4.18	12	5	ND	2	204	1	2	2	15	3.48	.107	5	7	1.33	24	.01	5	.39	.01	.24	1	44
6 7561	3	229	9	81	.3	5	45	1074	4.38	84	5	ND	2	173	1	19	2	19	3.35	.084	3	8	1.28	24	.01	11	.40	.01	.30	1	97
STD C/AU-R	19	58	39	131	7.1	68	28	1044	3.82	39	18	7	40	51	18	18	22	59	.47	.087	38	62	.88	180	.08	34	1.78	.06	.13	13	490

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE I	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA I	P I	LA PPM	CR PPM	MG I	BA PPM	TI I	B PPM	AL I	NA I	K I	W PPM	AU# PPB
6 7562	5	114	10	63	.1	6	33	955	5.98	38	5	ND	4	155	2	8	2	16	2.04	.125	3	7	1.04	12	.01	3	.38	.01	.26	1	114
6 7563	3	16	8	52	.1	6	46	918	5.57	12	5	ND	4	144	1	2	2	13	2.40	.114	2	7	1.05	15	.01	10	.35	.01	.24	1	101
6 7564	11	19	10	50	.1	8	66	945	6.43	17	5	ND	3	163	1	2	2	12	2.89	.111	2	7	1.14	10	.01	6	.32	.01	.22	1	139
6 7565	17	19	12	48	.1	8	45	1147	5.27	15	5	ND	2	170	2	2	2	12	3.89	.110	4	6	1.29	17	.01	9	.44	.01	.24	2	189
6 7566	2	32	13	54	.1	8	70	1054	5.66	20	5	ND	3	185	2	2	2	14	3.00	.122	2	6	1.16	13	.01	5	.35	.01	.23	1	102
6 7567	19	2336	13	75	.4	7	66	981	5.68	365	5	ND	1	164	1	19	2	12	2.83	.108	2	5	1.00	11	.01	9	.36	.01	.23	1	320
6 7568	6	18	9	24	.2	5	16	778	2.15	11	5	ND	3	334	1	3	2	5	2.61	.052	2	5	.78	52	.01	8	.30	.01	.20	1	48
6 7569	1	261	8	34	.1	7	29	881	3.54	31	5	ND	2	242	1	3	2	7	2.48	.045	2	6	.82	15	.01	5	.35	.01	.28	1	106
6 7570	1	57	4	32	.2	6	19	1005	2.73	12	5	ND	2	261	1	2	2	5	2.84	.058	2	7	.88	30	.01	2	.29	.01	.21	2	33
6 7571	1	902	7	44	1.0	7	42	790	3.88	103	5	ND	2	216	1	8	2	6	2.21	.042	2	5	.89	14	.01	7	.32	.01	.27	1	210
6 7572	5	99	9	106	.1	19	32	2105	7.33	21	5	ND	2	149	3	2	2	23	4.35	.083	2	12	1.96	15	.01	6	.28	.01	.25	1	142
6 7573	2	79	9	119	.2	22	31	2189	7.08	28	5	ND	2	96	1	9	2	24	4.81	.106	2	14	2.12	14	.01	6	.31	.01	.26	1	125
6 7574	3	97	10	134	.2	24	35	1815	7.55	41	5	ND	2	109	3	3	2	25	3.73	.107	3	10	1.98	20	.01	6	.33	.01	.25	1	93
6 7575	1	18	6	123	.3	23	25	2497	6.31	8	5	ND	2	108	5	2	2	33	6.59	.088	4	10	3.09	67	.01	3	.31	.01	.22	2	62
6 7576	3	47	8	120	.1	35	44	2213	8.02	20	5	ND	1	82	2	2	2	41	4.50	.093	4	23	3.27	33	.01	5	.30	.01	.18	1	42
6 7577	3	76	14	101	.4	33	25	2452	6.94	11	5	ND	1	132	3	2	2	88	5.02	.090	5	76	2.88	46	.01	5	.81	.02	.24	1	54
6 7578	2	219	9	106	.5	43	40	2188	8.21	8	5	ND	3	131	2	2	2	117	3.95	.104	10	121	2.87	33	.03	6	2.00	.02	.41	1	68
6 7579	5	25	12	117	.2	26	52	2169	8.72	8	5	ND	3	106	2	2	2	123	3.65	.124	5	37	2.12	27	.03	7	1.38	.02	.47	1	71
6 7580	8	102	9	101	.3	34	61	1880	9.47	23	5	ND	3	100	3	2	2	64	4.47	.114	5	22	2.17	17	.01	5	.52	.01	.31	1	134
6 7581	5	12	7	143	.1	159	7	2332	6.84	34	5	ND	1	105	3	2	2	50	5.46	.109	3	63	3.43	174	.01	7	.48	.01	.29	3	1
6 7582	8	376	5	142	.9	160	10	2605	7.91	13	5	ND	2	113	4	3	2	85	6.89	.100	3	121	3.02	245	.04	14	.94	.01	.57	3	41
6 7583	3	64	24	112	.5	122	24	2101	5.83	7	5	ND	3	80	2	2	2	101	3.55	.118	4	146	1.77	147	.06	11	1.07	.01	.58	2	74
6 7584	11	216	13	124	.3	130	21	2723	6.50	22	5	ND	1	116	3	2	2	77	7.88	.117	4	148	3.11	109	.06	2	1.08	.01	.64	2	55
6 7585	18	13	7	42	.2	34	14	1289	2.75	96	5	ND	3	124	2	4	2	10	3.83	.050	5	10	1.25	67	.01	5	.34	.01	.16	3	129
6 7586	4	421	6	70	.3	18	29	937	8.77	29	5	ND	1	135	1	2	2	46	3.49	.103	2	20	1.30	12	.01	2	.44	.01	.24	1	290
6 7587	1	379	6	79	.5	8	14	886	6.16	14	5	ND	4	209	2	2	2	56	2.32	.132	5	8	1.04	16	.02	6	.70	.01	.41	1	440
6 7588	4	81	10	67	.2	13	24	957	11.68	30	5	ND	2	85	1	2	2	37	3.03	.100	2	11	1.24	7	.01	5	.41	.01	.25	1	240
6 7589	1	148	5	56	.5	10	28	961	7.53	15	5	ND	2	142	2	2	2	23	3.51	.112	4	7	1.41	8	.01	5	.37	.01	.25	1	187
6 7590	3	161	8	93	.1	25	27	1190	7.69	9	5	ND	1	79	1	2	3	75	3.03	.120	7	24	1.38	19	.02	2	.73	.01	.39	1	220
6 7591	9	267	9	75	.1	19	34	1265	8.78	17	5	ND	1	96	3	2	2	37	5.38	.089	2	14	1.97	12	.01	2	.45	.01	.31	1	300
6 7592	2	204	11	68	.3	18	24	995	6.44	13	5	ND	3	85	3	3	2	59	3.34	.094	6	19	1.39	21	.01	6	.64	.01	.33	2	380
6 7593	7	620	10	83	.7	23	27	1579	7.31	28	5	ND	2	79	2	2	2	52	4.13	.074	6	28	1.91	23	.01	7	.50	.01	.26	1	450
6 7594	3	42	2	97	.2	85	10	2140	4.87	8	5	ND	1	146	2	2	3	48	6.65	.095	4	75	2.23	404	.01	2	.48	.01	.25	2	210
6 7595	4	81	4	55	.1	26	15	1216	5.16	8	5	ND	1	89	1	2	2	86	4.18	.069	3	31	1.65	36	.01	2	.56	.01	.21	1	60
6 7596	4	173	8	61	.5	34	20	1136	6.08	17	5	ND	3	88	3	2	2	115	5.98	.098	6	117	2.25	101	.02	2	.73	.01	.31	2	38
6 7597	4	69	3	73	.4	41	15	1284	7.72	18	5	ND	3	87	3	2	2	153	5.09	.112	10	121	2.49	114	.04	4	.89	.01	.41	2	35
STD C/AU-R	19	58	38	128	7.0	65	27	1025	4.03	38	20	7	37	50	18	17	23	57	.46	.083	38	57	.85	175	.08	36	1.88	.06	.13	13	520

GEOCHEMICAL ICP ANALYSIS

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

DATE RECEIVED: OCT 9 1987

DATE REPORT MAILED: *Oct 11/87*ASSAYER: *D. C. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4719

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6 7540	1	7586	15	77	3.8	15	85	629	7.73	1153	5	ND	1	71	1	28	2	10	1.67	.037	2	1	.62	6	.01	3	.41	.03	.26	1	1335
6 7541	4	6915	6	52	3.4	6	27	518	2.71	539	5	ND	1	244	1	26	2	3	1.77	.053	2	1	.66	18	.01	8	.45	.03	.17	1	550
6 7542	15	73	3	41	.2	11	5	625	1.26	11	5	ND	1	117	1	4	2	7	2.20	.064	4	5	.75	206	.01	6	.38	.05	.18	2	132
6 7543	30	211	5	48	.5	10	8	635	1.80	18	5	ND	1	152	1	10	2	5	2.44	.061	4	5	.83	56	.01	3	.35	.04	.19	2	221
6 7544	28	749	5	57	.5	9	8	617	1.58	65	5	ND	1	151	1	51	2	5	2.30	.065	3	3	.80	87	.01	5	.33	.04	.17	1	265
6 7545	11	53	6	47	.2	10	8	774	1.79	16	5	ND	1	197	1	8	2	7	2.94	.066	3	5	.98	81	.01	3	.39	.04	.16	1	70
6 7546	4	232	8	58	.6	18	19	1189	5.88	22	5	ND	1	117	1	2	2	36	6.02	.101	5	8	2.08	26	.01	7	.52	.02	.23	1	205
6 7547	9	556	7	91	.7	26	46	1059	10.07	36	5	ND	1	64	1	5	2	33	2.85	.095	3	9	1.91	12	.01	6	.43	.02	.22	2	350
6 7548	5	511	9	84	.5	18	33	1354	6.94	23	5	ND	2	201	1	6	2	26	5.91	.090	3	3	2.62	13	.01	4	.36	.01	.19	1	105
6 7549	7	58	6	79	.3	23	31	1467	5.76	10	5	ND	1	110	1	3	2	44	4.92	.083	6	23	1.86	25	.01	2	.51	.02	.18	1	58
6 7550	2	417	7	95	.6	14	24	900	8.27	12	5	ND	2	67	1	2	2	69	1.94	.128	11	15	1.37	15	.06	2	1.21	.03	.66	2	245
6 7551	2	957	8	93	.8	16	18	972	8.48	31	5	ND	2	65	1	3	2	80	1.94	.097	4	29	1.42	16	.09	7	1.58	.03	.94	1	540
6 7552	3	477	7	87	.6	14	22	971	7.79	16	5	ND	2	73	1	3	2	77	1.92	.130	5	5	1.20	16	.04	5	1.06	.03	.52	2	205
6 7553	6	300	7	100	.2	18	34	1137	9.03	18	5	ND	1	72	1	3	2	74	2.25	.127	6	20	1.42	15	.05	4	1.20	.03	.63	1	250
STD C/AU-R	18	58	38	132	6.9	67	26	1027	3.98	40	19	7	38	49	17	18	18	55	.50	.084	37	58	.88	177	.08	32	1.86	.07	.13	12	480

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BT	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	PPB
6 7598	11	2047	6	76	.9	28	50	483	8.97	71	5	ND	4	61	1	2	2	71	2.76	.084	4	30	1.33	15	.01	2	.57	.01	.23	1	345
6 7599	3	175	5	56	.1	13	23	642	5.64	15	5	ND	3	88	1	3	4	66	3.47	.111	6	16	1.25	34	.01	2	.42	.01	.15	1	86
6 7600	10	668	9	83	.1	24	33	738	8.07	33	5	ND	2	77	1	2	2	75	4.13	.077	2	36	1.64	24	.01	2	.39	.01	.12	1	224
6 7601	1	368	7	96	.5	28	21	1309	6.52	7	5	ND	2	182	1	2	2	103	4.33	.136	8	27	1.79	274	.01	2	.58	.01	.20	1	36
6 7602	2	356	15	78	.1	19	24	964	8.66	11	5	ND	2	196	1	2	2	167	2.12	.131	7	48	2.93	74	.11	2	2.70	.01	1.08	1	153
6 7603	3	321	9	65	.1	26	26	793	9.20	10	5	ND	1	128	1	2	4	160	1.43	.131	2	31	3.14	45	.17	2	3.19	.02	1.24	1	176
6 7604	3	271	10	75	.1	24	24	783	10.49	16	5	ND	1	186	1	2	2	176	1.52	.117	3	47	3.95	58	.21	2	3.99	.02	2.22	1	128
6 7605	18	244	14	73	18.0	11	19	657	4.82	18	5	ND	1	170	1	2	4	38	1.74	.067	3	15	1.37	56	.01	3	.55	.01	.25	1	181
6 7606	13	197	10	61	1.6	16	25	760	4.87	35	5	ND	2	65	1	2	6	40	2.38	.089	4	22	1.45	42	.01	2	.45	.01	.26	1	114
6 7607	6	114	2	74	.3	20	12	733	5.07	12	5	ND	1	41	1	2	2	82	1.36	.095	6	54	1.75	121	.11	2	1.62	.01	1.19	1	51
6 7608	5	70	7	62	.4	13	14	1228	4.24	13	5	ND	1	127	1	2	3	23	10.53	.028	2	8	3.89	123	.01	5	.26	.01	.14	3	52
6 7609	2	9	2	37	.1	14	5	717	1.76	5	5	ND	1	65	1	2	4	24	2.65	.057	3	21	1.08	259	.01	4	.34	.03	.14	1	25
6 7610	9	162	2	43	.1	18	14	620	2.16	18	5	ND	1	53	1	2	4	21	1.75	.062	2	23	.81	85	.01	2	.30	.03	.14	1	260
6 7611	2	109	5	42	.1	17	24	565	6.35	14	5	ND	2	68	1	2	2	19	1.24	.042	2	19	.68	23	.01	2	.36	.03	.17	1	1630
6 7612	24	47	8	63	.1	22	20	886	4.70	13	5	ND	2	57	1	2	3	18	5.04	.052	2	19	2.03	48	.01	3	.40	.02	.16	1	235
6 7613	16	64	4	31	.1	18	10	413	2.08	12	5	ND	1	20	1	2	2	16	1.00	.063	2	20	.52	38	.01	2	.41	.04	.19	1	86
6 7614	3	379	5	45	.2	20	32	812	6.17	18	5	ND	2	52	1	2	4	17	2.81	.031	2	17	1.26	22	.01	2	.27	.01	.12	1	385
6 7615	10	136	4	49	.2	21	10	655	2.18	14	5	ND	2	36	1	2	5	29	2.30	.061	3	25	1.01	86	.01	3	.39	.04	.08	1	185
6 7616	4	209	7	85	.4	27	25	1883	6.23	4	5	ND	1	295	1	2	3	55	6.03	.126	4	30	1.96	111	.02	3	1.25	.01	.46	6	51
6 7617	5	711	8	77	.4	11	46	952	6.03	11	5	ND	1	209	1	2	2	127	2.94	.123	3	25	2.41	52	.14	2	2.27	.02	.66	1	99
6 7618	4	599	2	82	.3	12	41	1026	6.25	10	5	ND	1	160	1	2	2	139	3.83	.122	2	24	2.24	47	.20	2	2.27	.02	.95	124	96
6 7619	2	565	6	77	.5	13	31	1036	6.78	10	5	ND	1	142	1	2	2	122	3.12	.120	2	22	2.27	51	.11	2	1.96	.02	.58	1	73
6 7620	1	780	7	89	.5	11	27	993	6.41	10	5	ND	1	122	1	2	2	117	2.70	.127	3	25	2.34	54	.09	2	2.01	.02	.32	1	70
6 7621	2	865	139	68	1.5	11	24	1037	5.30	6	5	ND	1	361	1	2	2	46	4.46	.121	3	14	1.97	29	.01	2	1.08	.01	.31	1	255
6 7622	1	455	9	72	.6	11	29	707	5.76	9	5	ND	2	201	1	2	2	55	2.95	.135	3	14	1.64	30	.01	8	1.21	.02	.38	1	47
6 7623	4	454	6	67	.7	11	29	992	5.89	8	5	ND	2	309	1	2	3	59	4.62	.115	3	17	2.18	26	.01	2	1.17	.01	.30	1	125
6 7624	7	605	5	84	.4	14	28	848	6.60	8	5	ND	2	118	1	2	2	138	2.49	.109	2	25	2.80	55	.22	3	2.71	.01	1.51	7	72
6 7625	1	353	8	69	.4	55	22	1159	6.76	5	5	ND	1	138	1	4	2	133	2.84	.112	2	209	3.89	79	.17	2	2.97	.01	.99	3	39
6 7626	5	457	8	82	.1	19	27	865	6.38	9	5	ND	1	149	1	2	2	102	2.62	.119	2	31	2.91	53	.08	2	2.20	.01	.70	7	41
6 7627	3	190	9	63	.3	4	13	872	5.11	8	5	ND	2	218	1	2	3	92	3.35	.108	4	12	1.61	92	.07	2	1.62	.02	.35	1	51
6 7628	3	720	8	72	.9	119	41	1661	10.82	7	5	ND	2	147	1	2	2	132	4.83	.136	2	435	6.64	36	.01	2	3.26	.01	.12	1	65
6 7629	4	694	4	84	.9	94	34	1559	9.73	5	5	ND	1	177	1	2	2	113	4.48	.141	2	354	5.82	36	.01	2	2.87	.01	.16	1	88
6 7630	3	117	3	47	.4	4	13	920	3.97	4	5	ND	2	336	1	2	2	29	3.92	.101	7	13	1.31	354	.01	2	.50	.02	.29	1	16
6 7631	1	124	5	74	.3	4	13	919	4.55	7	5	ND	3	281	1	2	2	74	3.68	.103	6	16	1.45	140	.04	2	1.55	.02	.27	1	13
STD C/AU-R	17	58	38	132	7.2	68	28	1056	3.80	40	20	7	40	51	17	18	23	60	.43	.087	39	64	.79	182	.08	34	1.77	.06	.13	13	485

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: OCT 23 1987

DATE REPORT MAILED: Oct 27/87

ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-5092 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB	
6 7632	1	84	5	79	.1	11	22	1037	6.48	15	5	ND	2	179	1	2	2	114	1.87	.140	6	16	2.19	59	.07	3	2.18	.07	.69	1	50
6 7633	2	451	5	82	.5	12	18	983	6.63	20	5	ND	1	63	1	2	2	106	1.26	.147	3	17	2.34	52	.15	2	2.15	.06	.51	2	88
6 7634	1	87	5	70	.3	12	20	962	5.39	15	6	ND	2	128	1	2	2	90	1.73	.152	2	8	2.11	45	.15	2	1.84	.06	.39	2	69
6 7635	3	280	12	69	.8	16	23	888	7.67	43	5	ND	2	101	1	2	2	91	1.16	.116	2	22	2.12	22	.16	2	1.79	.05	.70	4	115
6 7636	1	274	9	68	.2	12	24	1028	6.91	17	5	ND	1	96	1	2	2	87	1.25	.147	2	12	2.08	35	.19	2	1.91	.06	.60	4	57
6 7637	1	117	7	59	.2	12	20	829	5.13	15	5	ND	2	101	1	2	2	80	1.26	.160	2	10	1.90	46	.18	6	1.72	.07	.36	1	49
6 7638	2	124	5	65	.2	11	20	885	5.40	17	7	ND	2	101	1	2	2	89	1.43	.146	2	10	2.07	40	.17	2	2.02	.07	.80	1	45
6 7639	2	58	7	69	.2	13	18	1009	5.22	11	5	ND	2	98	1	2	2	99	1.74	.147	3	18	2.11	72	.13	2	2.13	.06	.74	1	41
6 7640	3	88	2	73	.1	14	24	985	5.17	14	5	ND	2	201	1	2	2	108	1.84	.144	3	23	2.16	55	.12	5	2.30	.07	.98	1	44
6 7641	4	158	8	69	.3	10	17	1104	5.22	11	5	ND	3	130	1	2	2	91	3.43	.144	7	12	1.62	103	.05	4	1.66	.05	.70	1	22
6 7642	7	160	7	74	.3	12	17	1367	6.06	51	5	ND	2	108	1	8	2	26	4.11	.091	3	3	1.94	25	.01	6	.36	.03	.25	1	100
6 7643	5	199	8	80	.1	17	24	1451	6.05	29	5	ND	2	1025	1	9	2	84	4.30	.099	4	19	2.08	74	.03	5	1.26	.04	.41	1	11
6 7644	5	229	6	96	.4	22	29	1302	7.05	14	8	ND	2	226	1	2	2	188	2.58	.104	2	37	2.97	99	.20	4	2.99	.06	1.29	2	44
6 7645	6	313	7	81	.5	19	23	1513	5.66	12	5	ND	2	159	1	2	2	133	4.08	.099	3	31	2.30	64	.16	3	2.15	.05	.35	1	63
6 7646	6	97	7	79	.1	26	26	1594	6.65	25	5	ND	2	72	1	5	2	48	3.36	.109	3	13	2.04	49	.01	9	.72	.04	.58	1	39
6 7647	6	31	8	58	.2	24	9	1661	5.01	12	5	ND	3	131	1	2	2	26	6.95	.019	2	12	2.60	199	.01	6	.21	.02	.19	1	18
6 7648	5	357	6	102	.4	29	30	1785	7.67	83	5	ND	2	84	1	24	2	37	4.92	.099	4	8	2.70	38	.01	4	.35	.02	.28	1	132
6 7649	4	384	20	43	1.0	16	18	1167	4.26	51	5	ND	2	108	1	18	2	18	4.06	.049	3	4	1.50	16	.01	6	.26	.03	.23	1	76
6 7650	6	438	9	91	.8	36	21	1420	7.66	20	5	ND	2	146	1	2	2	121	2.70	.119	2	96	2.50	23	.20	2	2.65	.05	1.76	1	176
6 7651	3	302	8	53	.3	26	42	694	6.49	16	5	ND	1	470	1	2	2	99	1.38	.112	2	24	1.63	26	.22	6	1.64	.08	.90	3	81
6 7652	3	179	8	76	.4	23	29	868	6.20	13	7	ND	2	223	1	2	2	129	1.32	.116	2	35	2.25	33	.26	3	2.32	.08	1.35	3	59
6 7653	2	140	7	73	.2	22	27	755	6.42	13	5	ND	1	108	1	2	2	145	.89	.122	2	35	2.42	30	.28	2	2.50	.09	1.93	1	93
6 7654	2	194	9	70	.5	25	28	803	5.60	12	6	ND	2	133	1	2	2	104	2.04	.110	2	32	2.08	33	.21	4	2.10	.07	1.13	1	146
6 7655	2	206	9	75	.3	30	33	976	6.69	13	5	ND	1	201	1	2	2	137	3.11	.107	2	40	2.13	39	.18	2	2.40	.07	1.73	1	131
6 7656	5	257	8	70	.4	26	26	868	5.98	10	5	ND	1	428	1	2	2	145	2.10	.109	2	37	2.27	42	.19	3	2.15	.07	1.00	2	98
6 7657	3	109	6	73	.1	21	23	883	5.15	7	5	ND	2	161	1	2	2	126	2.24	.114	2	38	2.20	67	.20	5	2.29	.07	1.45	1	1250
6 7658	4	146	7	111	.3	21	19	2030	7.92	16	5	ND	3	88	1	2	2	133	3.18	.134	8	41	1.65	145	.07	2	1.82	.06	1.05	1	149
6 7659	7	292	8	89	.3	14	32	1000	6.02	14	5	ND	2	75	1	2	2	115	1.70	.167	2	22	2.58	48	.18	2	2.54	.07	.82	1	106
6 7660	6	105	10	97	.2	19	13	1128	6.66	7	5	ND	1	97	1	2	2	144	1.09	.134	2	55	3.13	348	.28	4	3.49	.08	2.21	1	59
6 7661	4	30	9	80	.2	21	18	1097	5.40	12	6	ND	1	87	1	2	2	112	1.23	.114	2	30	2.62	150	.26	3	2.84	.06	1.38	1	70
6 7662	4	249	9	77	.7	143	29	1123	7.49	14	7	ND	2	116	1	2	2	121	1.29	.107	2	103	2.76	92	.24	2	2.79	.06	1.48	10	128
6 7663	4	703	8	42	.6	10	8	628	4.38	8	5	ND	1	324	1	2	2	81	2.03	.123	2	39	1.18	104	.17	4	1.55	.05	.60	2	99
6 7664	6	41	10	93	.2	29	15	1099	6.62	6	9	ND	2	153	1	2	2	136	1.21	.108	2	49	3.07	247	.28	3	3.18	.06	1.88	4	42
6 7665	9	152	26	85	.6	33	23	1030	7.44	7	5	ND	1	361	1	2	2	140	2.09	.093	2	49	2.78	49	.24	2	2.87	.05	2.10	21	66
6 7666	7	146	10	115	.3	47	31	1270	8.93	15	5	ND	2	182	1	2	2	181	2.42	.118	5	66	3.49	102	.07	2	3.53	.04	.97	1	74
6 7667	5	81	8	90	.3	27	23	1141	5.81	8	5	ND	2	367	1	2	2	103	1.81	.143	2	54	2.62	81	.25	3	3.06	.05	2.25	1	67
6 7668	6	118	6	88	.2	27	24	1096	5.68	11	5	ND	1	111	1	2	2	96	1.64	.139	2	50	2.33	38	.23	2	2.57	.05	1.61	3	105
STD C/AU-R	18	57	40	132	7.2	68	28	1043	4.02	39	17	7	39	51	18	18	23	58	.48	.086	38	64	.84	180	.08	35	1.81	.08	.14	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
6 7669	14	195	9	80	.1	29	30	1159	6.20	18	5	ND	1	84	1	2	2	105	1.89	.154	2	39	2.45	39	.21	4	2.52	.05	1.66	3	124
6 7670	16	613	8	77	.6	25	23	1109	7.19	18	5	ND	2	185	1	2	2	122	2.52	.151	2	72	2.22	82	.20	2	2.38	.05	1.86	2	88
6 7671	11	240	8	77	.3	25	26	1253	6.75	16	5	ND	1	111	1	2	2	131	3.31	.149	2	78	2.37	95	.19	3	2.58	.05	2.14	1	67
6 7672	14	2687	11	108	2.8	32	80	1400	9.74	18	5	ND	1	66	1	2	2	137	2.96	.120	2	71	2.58	23	.16	2	2.94	.04	2.11	5	720
6 7673	5	217	9	112	.4	39	25	1827	9.17	14	5	ND	2	108	1	2	2	163	4.12	.109	3	153	3.54	141	.17	2	3.69	.03	2.31	6	67
6 7674	7	337	9	97	.5	34	38	1348	7.94	18	5	ND	1	115	1	2	2	145	3.11	.095	5	62	2.77	26	.07	2	2.75	.04	.97	4	123
6 7684	3	278	12	194	.3	45	17	3432	6.96	17	5	ND	2	193	1	2	2	113	2.62	.115	7	51	1.26	136	.04	3	1.04	.04	.66	2	26
6 7685	3	127	26	173	.5	23	20	3113	4.81	17	5	ND	2	182	1	2	2	50	5.71	.105	6	20	1.61	148	.01	4	.54	.02	.29	1	15
6 7686	3	895	37	229	2.0	23	20	3237	4.61	67	5	ND	2	105	1	5	2	65	2.02	.120	5	21	.78	98	.01	4	.68	.03	.42	2	51
6 7687	5	623	178	1603	1.9	36	30	4444	6.22	63	5	ND	2	197	9	2	2	122	2.11	.091	4	63	.73	70	.04	3	1.07	.03	.60	5	220
6 7688	4	445	67	512	1.0	45	20	4518	5.96	28	5	ND	3	172	1	2	2	160	2.53	.095	5	74	1.77	231	.11	3	2.15	.04	1.36	1	66
6 7689	9	428	196	312	.9	96	18	4143	4.76	42	5	ND	1	199	1	3	2	92	1.53	.156	7	91	.68	257	.04	5	.84	.03	.48	1	57
6 7690	4	1123	333	374	2.1	63	22	4102	5.60	68	6	ND	2	205	1	3	2	109	.95	.118	6	59	.84	186	.05	2	1.21	.03	.82	1	67
6 7691	2	507	35	126	.6	13	8	1534	3.15	9	8	ND	1	121	1	2	2	85	1.52	.098	3	17	1.43	119	.13	4	1.77	.06	.95	1	29
6 7692	2	666	43	140	1.2	11	8	1371	3.30	7	5	ND	2	608	1	2	2	88	1.16	.094	5	14	1.49	158	.09	3	1.91	.05	1.14	1	24
6 7693	4	274	6	137	.1	15	28	2309	8.52	11	5	ND	1	242	1	2	2	115	1.90	.081	2	31	2.16	66	.19	4	2.46	.05	1.10	5	10
6 7694	2	98	8	138	.1	20	33	2247	5.79	9	5	ND	1	313	1	2	2	113	2.42	.082	2	50	2.34	102	.23	2	2.50	.05	1.19	1	3
6 7695	2	98	5	137	.3	33	20	2783	7.06	9	5	ND	2	77	1	2	2	86	2.84	.119	6	25	1.28	291	.07	4	1.30	.03	.93	1	11
6 7696	2	277	4	64	.3	10	13	3146	3.90	9	5	ND	1	96	1	2	2	25	5.00	.079	5	3	1.31	158	.01	4	.41	.02	.35	1	3
6 7697	3	466	5	116	7.6	76	17	5455	5.39	10	5	ND	2	298	1	2	2	85	8.37	.081	7	75	1.42	82	.03	2	1.49	.01	.67	1	490
6 7698	2	198	8	148	.5	150	23	4518	6.94	36	5	ND	2	63	1	4	2	103	2.73	.102	7	71	.73	77	.01	2	.70	.03	.19	2	10
6 7699	3	37	7	71	.6	36	13	6313	5.21	7	5	ND	2	130	1	2	2	63	10.76	.039	6	7	1.41	59	.01	3	.24	.01	.12	2	26
6 7700	2	86	6	77	.3	15	12	1847	5.22	9	6	ND	1	47	1	2	2	63	1.39	.094	6	17	.41	53	.01	2	.57	.04	.24	1	13
6 7701	2	51	9	114	.2	23	15	3054	6.44	6	5	ND	2	200	1	2	2	130	5.35	.081	4	38	2.20	102	.04	2	2.33	.02	.37	2	5
6 7702	2	122	11	91	.7	30	18	2827	5.90	6	5	ND	1	378	1	2	2	86	8.48	.074	4	23	2.07	87	.05	2	1.51	.01	.60	1	142
6 7703	2	159	7	80	.2	15	14	3208	5.01	5	5	ND	1	498	1	2	2	83	7.51	.074	4	27	2.12	277	.06	8	1.55	.02	.86	1	9
6 7704	1	225	4	54	.2	11	10	2445	3.72	14	5	ND	1	116	1	15	2	24	8.72	.058	2	7	1.75	257	.01	4	.31	.01	.29	1	3
6 7705	2	327	7	71	.5	15	16	1984	5.14	12	5	ND	1	560	1	13	2	31	2.58	.056	3	7	1.53	80	.01	8	.50	.03	.46	2	48
6 7706	2	56	7	87	.1	20	13	2381	6.34	8	5	ND	1	66	1	2	2	93	3.18	.079	4	35	2.37	260	.09	5	1.65	.03	1.48	1	16
6 7707	2	209	6	35	.7	11	13	1364	3.46	9	5	ND	1	90	1	5	2	17	3.90	.047	3	4	1.07	18	.01	6	.31	.02	.23	1	26
6 7708	2	10	3	16	.1	6	6	647	2.15	4	5	ND	1	83	1	2	2	10	2.34	.038	2	1	.67	37	.01	4	.26	.03	.15	2	2
6 7709	25	43	7	20	.6	9	15	679	4.25	11	5	ND	1	52	1	7	2	6	2.04	.077	2	1	.65	9	.01	5	.35	.03	.19	1	22
6 7710	7	46	8	22	.3	9	10	664	3.32	14	5	ND	1	100	1	5	2	7	2.45	.056	2	1	.85	12	.01	7	.31	.03	.20	1	12
6 7711	2	112	8	73	.4	15	16	1983	5.51	5	5	ND	1	579	1	2	2	66	6.56	.070	3	18	2.41	38	.04	4	.97	.01	.74	1	56
6 7712	3	14	8	76	.4	45	9	3031	4.05	2	5	ND	1	250	1	2	2	34	13.29	.065	2	62	3.83	104	.01	6	.22	.01	.13	1	1
6 7713	3	43	5	76	.2	12	12	2030	4.94	11	5	ND	1	225	1	2	2	36	7.02	.052	2	5	2.85	41	.01	4	.32	.01	.27	1	2
6 7714	2	153	6	79	.5	13	10	2290	5.11	10	5	ND	2	208	1	9	2	32	7.36	.071	2	7	3.08	63	.01	7	.33	.01	.29	1	6
STD C/AU-R	18	58	38	134	6.9	69	27	1047	4.05	41	21	7	37	50	18	18	21	56	.48	.084	37	59	.84	178	.08	38	1.83	.08	.12	13	505

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
6 7675	2	23	4	149	.2	15	23	3144	6.20	9	5	ND	1	86	1	2	2	186	2.94	.100	2	28	2.97	137	.27	5	2.63	.02	1.17	1	109
6 7676	3	29	5	200	.1	16	26	3972	7.22	4	5	ND	1	88	1	2	2	197	1.37	.116	2	22	3.49	219	.27	2	3.30	.01	1.59	1	62
6 7677	3	214	6	176	.5	15	22	4351	6.41	17	5	ND	1	194	1	2	2	149	3.49	.113	4	24	2.33	85	.17	2	2.23	.01	1.35	1	206
6 7678	1	142	7	131	.2	13	19	2879	4.63	11	5	ND	1	138	1	2	2	115	2.72	.118	2	25	2.10	87	.22	6	2.40	.01	1.30	1	7
6 7679	2	103	19	511	.5	11	16	2615	5.06	18	5	ND	1	165	4	2	2	94	1.94	.137	3	25	2.39	103	.19	6	2.40	.01	.81	1	112
6 7680	1	13	12	85	.6	6	14	1330	2.85	21	5	5	2	94	1	2	2	43	1.58	.106	6	12	1.37	55	.04	3	1.43	.01	.42	1	6400
6 7681	2	35	6	151	.3	18	28	1987	5.11	35	5	ND	1	83	1	3	2	71	2.10	.147	3	24	2.52	83	.14	4	2.43	.01	.85	1	370
6 7682	2	496	9	97	.4	7	19	1276	3.97	21	5	ND	1	74	1	2	2	66	1.20	.103	6	13	1.50	99	.09	2	1.68	.01	.96	2	82
6 7683	5	49	11	156	.2	15	19	2894	5.72	9	5	ND	1	170	1	2	2	138	3.33	.117	3	23	2.77	123	.17	9	2.64	.01	1.06	1	17
STD C/AU-R	18	62	39	132	7.3	68	28	1053	3.80	39	16	7	39	51	19	18	20	59	.48	.087	39	59	.87	182	.08	36	1.79	.06	.13	12	495

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: NOV 3 1987

DATE REPORT MAILED: *Nov 9/87*

ASSAYER: *D. Jones*... DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-5370 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6 7715	4	24	26	151	.1	7	6	1397	1.45	6	5	ND	1	77	1	2	2	12	2.58	.082	8	12	.49	111	.02	2	.80	.02	.32	1	34
6 7716	2	58	43	124	.1	7	8	1617	1.94	7	5	ND	2	92	1	2	2	14	2.92	.099	11	11	.85	72	.01	2	1.03	.01	.28	1	7
6 7717	2	33	65	139	.1	7	8	1957	2.40	8	5	ND	2	117	2	2	2	19	4.16	.110	13	11	1.04	117	.01	3	1.19	.02	.24	1	8
6 7718	1	239	11	66	.3	5	7	1646	2.27	11	5	ND	2	91	2	2	2	24	3.73	.125	6	7	.46	78	.03	2	1.06	.01	.44	1	5
6 7719	2	107	24	90	.4	9	6	1820	3.51	3	5	ND	2	87	1	2	2	34	3.32	.095	10	15	.68	91	.04	4	.95	.02	.37	1	76
6 7722	1	60	7	109	.1	4	4	1658	3.59	12	5	ND	3	167	1	2	2	44	2.93	.120	7	7	.79	102	.01	3	.56	.02	.23	1	3
6 7723	3	12	5	158	.1	6	8	2467	4.14	9	5	ND	2	178	2	2	2	35	5.96	.104	10	14	1.43	63	.02	2	.56	.01	.26	1	4
6 7725	3	106	18	162	.3	6	14	2552	4.51	26	5	ND	2	139	1	2	2	27	4.11	.093	10	15	1.25	43	.05	2	1.33	.01	.39	1	175
6 7726	2	96	11	91	.2	5	16	2156	3.71	10	5	ND	1	210	1	2	2	28	4.06	.133	4	9	.71	193	.06	2	.80	.01	.57	1	57
6 7727	3	73	13	494	.5	5	17	2701	3.83	14	5	ND	1	490	2	2	2	31	4.99	.114	4	9	.94	81	.03	2	.69	.01	.38	1	58
6 7728	2	61	16	239	.2	6	10	3080	4.13	11	5	ND	2	675	1	2	2	38	4.66	.130	10	13	1.06	335	.05	4	1.18	.02	.46	1	6
6 7729	3	56	23	275	.2	7	12	2986	4.29	9	5	ND	1	736	2	2	2	53	5.01	.116	9	15	1.46	364	.03	3	1.44	.02	.25	1	11
6 7730	2	17	12	204	.1	8	10	2860	4.29	7	5	ND	1	1020	2	2	2	56	5.04	.119	9	14	1.55	155	.04	2	1.76	.01	.40	1	1
6 7731	2	73	15	153	.3	6	10	2572	3.67	2	5	ND	1	202	1	3	2	48	6.39	.101	8	12	1.04	178	.08	2	1.32	.01	.77	1	112
6 7332	1	135	2	93	.5	4	10	2640	3.11	4	7	ND	1	4064	2	2	2	31	10.16	.103	6	11	.91	110	.01	2	1.04	.01	.20	1	26
6 7733	1	6	6	116	.1	7	12	1834	3.44	11	5	ND	2	309	2	2	2	57	3.61	.121	5	14	1.62	31	.12	7	1.72	.02	.15	1	4
6 7734	1	10	7	86	.1	6	9	1998	3.60	6	5	ND	1	357	2	2	2	45	6.46	.105	4	13	1.08	37	.05	3	1.09	.02	.13	1	2
6 7735	7	1065	5	123	1.2	7	12	2432	4.37	2	5	ND	1	298	1	2	2	40	4.69	.096	5	17	1.55	117	.05	2	1.77	.01	.50	1	104
6 7736	1	149	8	90	.2	5	9	2499	4.00	2	5	ND	1	501	1	2	2	26	6.06	.099	4	15	1.09	168	.01	2	.91	.01	.22	1	2
6 7737	1	95	5	120	.2	8	11	2098	4.53	3	5	ND	1	346	1	2	2	30	3.60	.121	5	14	1.41	245	.01	2	1.29	.01	.25	1	3
6 7738	2	100	4	111	.1	6	10	1978	4.23	4	5	ND	1	348	1	2	2	29	4.08	.119	5	16	1.32	188	.01	2	1.11	.01	.23	1	3
6 7739	1	170	5	74	.1	5	8	2077	3.77	7	5	ND	1	347	1	2	2	19	5.42	.110	6	15	1.14	264	.01	3	.64	.01	.29	1	6
6 7740	2	78	8	65	.1	6	9	1733	2.47	3	5	ND	1	498	1	2	2	11	5.27	.062	5	12	1.09	117	.01	2	.54	.01	.27	1	2
6 7741	3	85	11	90	.2	6	8	1432	2.93	6	5	ND	2	174	1	2	2	53	2.28	.101	4	22	1.14	43	.08	4	1.37	.03	.41	1	3
6 7742	6	67	2	101	.3	7	9	1436	2.88	7	5	ND	2	197	1	2	2	51	2.30	.098	3	16	1.36	62	.13	6	1.60	.03	.59	1	1
6 7743	1	33	6	122	.1	11	12	1794	3.69	9	5	ND	2	144	1	3	2	59	1.62	.110	3	22	1.78	32	.14	5	1.81	.03	.25	1	5
STD C/AU-R	18	60	39	127	7.1	66	27	995	4.07	38	20	7	37	49	19	18	19	56	.46	.084	37	64	.84	176	.08	36	1.79	.06	.15	12	480
6 7744	15	21	18	84	1.5	7	21	1302	7.92	9	5	ND	2	158	1	2	44	52	1.97	.083	4	17	1.46	25	.13	4	1.42	.03	.34	1	42
6 7745	1	38	6	75	.1	6	7	1357	2.81	11	5	ND	1	245	1	2	2	52	1.87	.102	4	17	1.41	44	.15	5	1.62	.02	.36	1	3
6 7746	2	90	3	82	.1	6	9	1979	3.59	8	5	ND	1	237	1	2	2	37	3.29	.110	8	13	1.24	178	.01	2	.44	.02	.24	1	6
6 7747	3	231	5	93	.1	8	12	2232	3.88	13	5	ND	1	159	1	2	2	20	5.55	.100	7	13	1.94	495	.01	7	.42	.01	.22	1	11
6 7748	2	23	11	151	.2	24	18	2840	6.14	5	5	ND	1	139	1	2	2	46	8.72	.071	3	25	3.58	255	.01	4	.39	.01	.16	1	12
6 7749	3	46	8	116	.1	15	15	2564	5.14	7	5	ND	1	160	1	2	2	20	6.56	.075	4	13	2.73	438	.01	2	.36	.01	.24	1	17
6 7750	7	55	9	39	.4	4	12	1974	3.11	18	5	ND	1	134	1	2	2	9	4.21	.070	4	9	1.42	97	.01	3	.34	.01	.27	1	79
6 7751	2	45	8	31	.2	4	6	1986	2.71	9	5	ND	2	191	1	2	2	8	3.24	.078	6	11	1.13	681	.01	2	.37	.01	.25	1	2
6 7752	2	67	11	37	.2	6	9	1825	3.55	29	5	ND	1	144	1	2	2	6	2.33	.083	4	8	.96	35	.01	2	.34	.01	.26	1	35
6 7753	5	36	9	40	.3	7	11	1676	3.56	7	5	ND	1	200	1	2	2	8	3.06	.053	3	11	1.25	24	.01	6	.36	.01	.25	1	18

SAMPLE#	IMP																															
	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
6 7754	13	105	9	58	.8	5	11	1715	3.82	11	5	ND	2	144	2	4	2	11	3.48	.074	5	8	1.48	134	.01	2	.29	.02	.21	1	375	
6 7755	2	14	3	43	.2	5	9	1433	3.03	7	5	ND	2	152	1	2	2	14	2.61	.082	5	7	1.17	193	.01	2	.28	.02	.21	1	11	
6 7756	2	76	11	41	.2	3	7	1524	3.21	40	5	ND	1	145	1	9	2	7	3.09	.101	4	4	1.03	103	.01	3	.36	.01	.27	1	16	
6 7757	1	45	2	44	.1	2	5	1605	2.92	3	5	ND	1	124	1	2	2	11	3.35	.107	7	7	1.08	573	.01	2	.34	.01	.25	2	2	
6 7758	2	62	5	48	.2	5	6	1715	3.23	7	5	ND	1	146	1	4	2	7	3.69	.099	6	8	1.31	459	.01	2	.38	.01	.28	1	82	
6 7759	1	144	4	47	.5	7	9	1578	2.98	21	5	ND	2	87	1	19	2	13	2.86	.057	4	9	1.23	44	.01	5	.32	.01	.22	1	216	
6 7760	1	266	3	54	.4	9	8	1818	2.92	29	5	ND	1	55	1	39	2	11	2.63	.051	5	9	1.07	57	.01	2	.38	.01	.26	1	186	
6 7761	1	31	2	42	.2	6	5	2506	3.13	3	5	ND	1	265	1	2	2	17	3.34	.055	4	11	1.35	110	.02	2	.73	.01	.33	1	179	
6 7762	1	31	5	39	.1	5	5	2388	2.81	7	5	ND	1	160	1	2	2	7	2.67	.065	3	7	1.16	161	.01	2	.31	.01	.23	1	16	
6 7763	3	23	4	74	.3	7	12	1041	3.77	10	5	ND	1	55	1	2	2	67	1.45	.092	5	10	1.32	41	.09	2	1.39	.02	.57	1	13	
6 7764	7	50	3	49	.7	6	20	1564	3.92	11	5	ND	1	649	1	2	2	44	11.54	.049	6	9	1.49	13	.01	3	.36	.02	.05	5	13	
6 7765	2	18	2	66	.2	6	5	1482	3.07	5	5	ND	1	109	1	2	2	59	4.62	.069	6	12	1.53	16	.03	6	1.19	.03	.23	1	2	
6 7766	1	20	6	59	.2	7	6	1395	2.67	9	5	ND	1	108	1	2	2	62	2.73	.083	5	12	1.33	31	.05	5	1.34	.04	.37	1	1	
6 7767	1	17	2	31	.1	5	3	869	1.55	9	5	ND	1	68	1	2	2	53	1.95	.078	4	13	.85	9	.07	3	.77	.06	.14	1	1	
6 7768	1	8	2	43	.1	4	4	1141	2.25	5	5	ND	1	102	1	2	2	57	2.61	.064	4	14	1.08	10	.03	6	1.01	.05	.17	1	2	
6 7769	4	53	2	68	.5	7	19	1690	5.19	15	5	ND	1	968	1	2	2	54	1.94	.083	3	12	1.52	43	.05	6	1.60	.02	.53	1	14	
6 7770	2	113	7	84	.3	40	20	1830	5.28	20	5	ND	2	51	1	2	2	57	1.29	.063	2	70	2.26	38	.12	7	2.06	.01	.68	1	87	
6 7771	3	163	2	134	.2	9	12	3363	7.52	12	5	ND	1	25	1	2	2	73	.58	.101	2	32	3.05	35	.15	2	3.22	.01	1.07	1	228	
6 7772	4	583	3	78	.5	18	40	1966	4.08	21	5	ND	1	62	1	2	2	61	1.14	.115	2	31	1.74	33	.17	8	1.69	.02	.46	1	77	
6 7773	3	231	5	89	.4	16	38	1986	4.57	21	5	ND	1	54	1	2	2	67	1.31	.112	2	32	1.89	38	.17	4	1.84	.02	.49	1	34	
6 7774	18	569	3	72	.7	29	57	1460	4.72	7	5	ND	1	53	1	2	2	69	1.41	.064	2	46	1.60	50	.27	12	1.59	.02	.80	1	126	
6 7775	5	182	2	96	.3	27	30	2522	6.85	14	5	ND	1	145	1	2	2	100	1.90	.063	5	49	2.19	36	.24	6	2.10	.02	.68	1	206	
6 7776	3	152	2	116	.2	29	29	2856	5.98	9	5	ND	1	44	1	2	2	128	1.62	.070	2	48	2.92	55	.31	3	2.77	.02	1.91	1	245	
6 7777	10	436	8	134	.9	13	19	2547	8.98	33	5	ND	2	35	1	2	3	77	1.00	.125	2	16	2.48	21	.14	6	2.39	.01	.75	1	450	
6 7778	3	18	10	204	.3	15	12	4695	11.62	29	5	ND	1	15	1	4	2	123	.45	.104	2	34	4.41	23	.15	2	4.43	.01	.78	1	420	
6 7779	2	18	5	203	.1	15	22	2997	5.35	9	5	ND	1	83	1	2	2	134	1.10	.101	2	21	2.62	184	.27	2	2.84	.02	1.85	1	42	
6 7780	3	52	2	189	.4	16	20	3433	6.40	9	5	ND	1	87	1	2	2	166	2.07	.099	2	27	2.78	208	.28	2	2.92	.01	1.52	1	19	
6 7781	2	141	2	61	.1	3	10	1279	3.73	9	5	ND	3	79	1	2	2	29	2.62	.088	8	7	.93	220	.01	2	.32	.02	.20	1	22	
6 7782	2	49	3	80	.2	10	16	1454	4.65	8	5	ND	2	86	1	2	2	83	3.15	.095	3	25	1.71	59	.12	4	1.69	.02	.44	1	64	
6 7783	3	72	8	65	.5	7	23	1686	5.54	11	5	ND	2	136	1	2	2	67	5.64	.093	3	15	1.27	56	.07	4	1.38	.02	.56	1	26	
6 7784	2	31	2	92	.3	11	21	1664	5.28	13	5	ND	2	100	1	2	2	66	3.61	.104	4	16	2.03	60	.06	2	1.98	.02	.45	1	54	
6 7785	4	63	4	66	.4	11	32	1277	5.05	14	5	ND	2	99	1	2	2	54	3.93	.135	6	12	1.17	26	.06	4	1.31	.01	.60	1	186	
6 7786	2	26	6	55	.2	8	20	1427	3.99	13	5	ND	1	114	1	2	2	59	4.97	.108	8	8	.99	46	.06	3	1.27	.01	.63	1	146	
6 7787	1	94	2	114	.3	13	16	1295	4.57	13	5	ND	1	65	1	2	2	77	1.91	.143	3	13	2.07	87	.13	2	2.12	.01	.95	1	72	
6 7788	1	17	5	100	.2	8	11	1177	3.72	14	5	ND	1	84	1	2	2	63	1.81	.120	2	10	1.85	53	.10	7	1.68	.01	.17	12	122	
6 7789	2	31	7	34	.3	8	8	3785	2.55	4	5	ND	1	345	2	2	2	27	15.61	.033	10	11	.77	145	.01	2	.70	.01	.12	5	23	
STD C/AU-R	19	61	39	134	7.4	69	28	1051	4.02	41	23	8	40	53	18	17	19	60	.49	.090	39	60	.89	180	.09	36	1.85	.07	.14	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	AU# PPB
6 7790	1	77	5	116	.2	37	28	1795	7.34	13	5	ND	2	185	1	2	2	145	1.63	.112	2	59	3.15	41	.23	3	2.77	.02	1.51	1	76
6 7791	2	19	4	109	.3	35	21	1952	6.45	15	5	ND	1	294	1	2	2	164	3.06	.111	2	71	3.05	70	.22	4	2.55	.02	1.13	1	68
6 7792	8	62	7	159	.1	37	24	2272	7.63	14	5	ND	1	127	1	2	2	144	4.40	.110	2	79	3.05	45	.13	2	2.69	.02	.90	1	82
6 7793	4	819	8	112	1.0	36	44	2168	8.41	9	5	ND	1	224	1	2	2	107	5.04	.106	4	52	2.22	29	.14	7	2.10	.01	1.21	6	121
6 7794	3	72	3	137	.3	35	33	2407	7.79	12	5	ND	1	215	1	2	2	127	4.35	.120	4	98	3.33	33	.09	5	2.59	.02	.72	3	84
6 7795	4	46	5	109	.2	31	40	2192	8.46	16	5	ND	1	208	1	2	2	87	5.29	.112	7	68	1.88	32	.11	8	1.70	.02	.91	1	97
6 7796	6	25	8	101	.6	13	31	1607	7.50	10	5	ND	1	127	1	2	2	51	3.90	.080	4	26	1.50	23	.07	8	1.48	.01	.70	1	650
6 7797	1	10	5	66	.2	20	14	863	4.98	14	5	ND	1	115	1	2	2	107	2.32	.120	2	38	2.61	26	.16	2	1.65	.04	.18	1	66
6 7798	4	41	10	93	.4	62	38	1548	10.17	19	8	ND	1	155	1	2	2	104	3.46	.100	2	133	2.90	19	.10	2	1.84	.02	.41	1	176
6 7799	2	61	9	66	.3	21	17	883	4.70	7	5	ND	2	94	1	2	2	51	2.30	.100	3	36	1.90	45	.07	3	1.36	.02	.45	1	99
6 7800	3	69	6	66	.2	10	19	829	7.15	8	5	ND	1	86	1	2	2	52	1.85	.088	2	24	1.71	24	.08	4	1.25	.02	.50	1	95
6 7801	2	16	9	60	.2	9	12	728	4.94	6	5	ND	1	74	1	2	3	61	1.59	.105	3	17	1.60	36	.13	4	1.22	.03	.61	1	43
6 7802	2	201	7	65	.2	8	12	889	4.62	9	5	ND	1	76	1	2	2	65	1.67	.101	2	15	1.52	41	.12	2	1.23	.02	.24	1	220
6 7803	4	243	4	99	.4	22	21	1054	6.06	10	5	ND	1	53	1	2	2	62	1.06	.087	2	22	2.18	37	.13	2	1.74	.02	.62	1	1360
6 7804	2	250	3	87	.4	21	11	988	4.29	10	5	ND	1	66	1	2	3	65	1.18	.097	2	17	2.09	63	.15	3	1.72	.02	.74	1	280
6 7805	2	804	8	54	.8	10	14	629	4.49	11	5	ND	1	69	1	2	2	52	1.11	.097	3	14	1.12	34	.07	8	.99	.02	.20	1	650
6 7806	2	416	6	82	.6	9	14	911	5.28	10	5	ND	1	79	1	2	2	67	1.38	.092	4	19	1.67	32	.04	2	1.31	.02	.13	1	730
6 7807	2	86	3	64	.4	9	12	1024	4.65	12	5	ND	1	220	1	2	2	65	2.43	.093	5	17	1.46	42	.03	11	1.16	.02	.14	1	116
6 7808	4	33	9	103	.7	50	35	1482	8.15	18	7	ND	1	194	1	2	3	71	2.76	.079	2	178	2.21	29	.04	3	1.67	.02	.30	1	560
6 7809	5	16	9	66	.2	14	19	792	5.69	8	5	ND	1	93	1	2	2	58	1.47	.100	2	27	1.55	33	.03	2	1.18	.03	.19	1	45
6 7810	5	76	5	87	.3	12	15	1056	6.09	16	5	ND	1	133	1	2	2	62	2.04	.085	2	18	2.24	32	.02	2	1.63	.03	.32	1	99
6 7811	5	106	7	86	.2	8	18	1060	6.24	25	5	ND	1	99	1	2	2	63	1.61	.089	2	19	2.17	28	.01	2	1.51	.03	.11	1	121
6 7812	4	494	3	61	2.5	9	14	694	6.85	23	5	ND	1	137	1	2	2	42	1.48	.082	4	16	1.38	21	.01	2	.98	.02	.17	1	2440
6 7813	6	243	11	49	.8	12	14	884	5.78	33	5	ND	1	100	1	12	2	34	2.90	.091	4	12	1.64	13	.01	7	.53	.02	.15	1	380
6 7814	5	1573	14	101	3.4	104	44	1625	11.14	109	9	3	1	104	1	49	3	62	4.51	.096	2	187	2.17	17	.01	6	.49	.01	.08	1	2950
6 7815	2	603	11	119	.8	116	31	2128	8.17	18	5	ND	1	134	1	3	2	109	4.66	.079	2	361	4.06	18	.01	6	1.78	.01	.07	1	550
6 7816	4	221	12	45	.4	12	14	578	6.58	49	5	ND	1	128	1	15	2	21	2.13	.089	2	12	1.01	8	.01	5	.25	.02	.15	1	360
6 7817	3	128	6	43	.1	12	17	658	6.18	41	5	ND	1	144	1	13	2	16	2.81	.092	2	12	1.22	11	.01	7	.32	.01	.19	1	102
6 7818	5	605	10	52	2.3	11	16	892	7.50	77	6	2	1	208	1	13	2	22	2.94	.091	2	11	1.53	7	.01	7	.26	.02	.15	1	1650
6 7819	2	54	8	71	.4	9	12	868	5.62	19	5	ND	1	61	1	2	2	61	1.45	.127	9	17	1.49	22	.01	2	.98	.02	.20	2	440
6 7820	10	85	7	76	.6	17	28	1153	8.44	33	7	ND	1	101	1	2	2	58	2.96	.110	3	14	1.62	14	.01	6	.70	.03	.15	1	360
6 7821	8	49	7	81	.3	8	19	1108	6.73	21	5	ND	1	106	1	2	3	92	2.71	.118	5	10	1.64	18	.01	6	.93	.03	.09	1	200
6 7822	4	312	5	57	.8	6	19	805	6.56	17	5	ND	1	105	1	2	2	57	2.48	.117	7	9	1.03	14	.01	3	.71	.02	.12	1	610
6 7823	4	909	3	68	.8	7	13	812	5.79	13	5	ND	1	112	1	2	2	70	2.08	.131	9	15	1.59	24	.01	2	1.09	.02	.20	1	560
6 7824	3	653	8	74	.5	23	15	866	6.03	18	5	ND	1	270	1	2	2	89	1.94	.133	5	24	2.30	30	.04	2	1.71	.02	.51	1	330
6 7825	2	511	8	51	.5	7	13	689	5.87	15	5	ND	1	249	1	2	2	81	2.09	.117	6	12	1.44	28	.03	3	1.15	.02	.25	1	210
STD C/AU-R	19	62	36	132	7.2	69	28	1051	4.29	41	20	8	39	53	20	17	19	61	.50	.091	40	61	.90	180	.09	30	1.86	.06	.14	13	500

SAMPLE#	IMPI		ME		FR		T-4		FIL		87-																				
	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
6 7826	2	496	2	74	.7	22	17	979	6.81	19	5	ND	2	157	1	2	2	90	1.73	.102	2	38	1.94	30	.11	2	1.70	.02	.20	1	510
6 7827	2	288	2	97	.5	20	19	1222	5.12	17	5	ND	1	190	2	2	2	88	2.32	.112	3	32	2.26	42	.09	5	1.91	.01	.30	2	410
6 7828	4	253	2	89	.5	15	12	2356	5.31	41	5	ND	1	286	1	2	2	32	8.07	.063	5	10	2.55	601	.01	3	.24	.01	.17	2	83
6 7829	3	54	2	70	.2	17	12	2261	4.43	6	5	ND	1	318	1	2	2	26	7.26	.073	6	12	2.33	841	.01	7	.26	.01	.20	2	21
6 7830	2	124	3	58	.2	22	15	1772	4.71	3	6	ND	1	853	1	2	2	60	4.83	.122	7	23	2.07	919	.01	3	.85	.01	.24	1	120
STD C/AU-R	19	60	42	132	7.5	72	29	1061	4.04	42	19	8	40	53	18	18	20	61	.50	.090	40	58	.89	181	.09	34	1.86	.07	.14	13	515

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPT. 25 1987

DATE REPORTS MAILED

Sept 30/87

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS FILE# 87-3359 R

PAGE# 1

SAMPLE

Au**
oz/t

G 4001

.023

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
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DATE RECEIVED SEPT. 26 1987

DATE REPORTS MAILED

Sept 29/87

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 87-3056 R

PAGE# 1

SAMPLE	Au**
	oz/t
G-4081	.032

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPT. 28 1987

DATE REPORTS MAILED

Sept 29/87

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 87-3840 R

PAGE# 1

SAMPLE	Au** oz/t
G-4142	.216

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

DATE RECEIVED: JAN 12 1988

DATE REPORT MAILED: *JAN. 19, 1988*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

IMPERIAL METALS PROJECT-4117 File # 87-3972R

SAMPLE#	AU** oz/t
G 4183	.019
G 4279	.018
G 4307	.026
G 4308	.014
G 4347	.021

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPT. 24 1987
DATE REPORTS MAILED Sept 28/87

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
Au** BY FIRE ASSAY

ASSAYER [Signature] DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 87-3972 R PAGE# 1

SAMPLE	Au** oz/t
G 4184	.052
G 4193	.065
G 4194	.123
G 4195	.137
G 4202	.028
G 4235	.044
G 4236	.033
G 4362	.022
G 4426	.063
G 4463	.091
G 4469	.210
G 4470	.157
G 4471	.113
G 4472	.034
G 4474	.462
G 4476	.219

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 12 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: *JAN. 16, 1988*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-3730R

SAMPLE#	AU** oz/t
G 4210	.229
G 4211	.013
G 4212	.055
G 4213	.029

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 29 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: Feb. 1/88.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

IMPERIAL METALS PROJECT-4117 File # 87-3973R

SAMPLE#	AU** oz/t
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G 4488	.058
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ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS, VANCOUVER B.C.

PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPT. 24 1987

DATE REPORTS MAILED

Sept 30 / 87

ASSAY CERTIFICATE

SAMPLE TYPE : PULP

AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 87-3973 R

PAGE# 1

SAMPLE	Au** oz/t
G 4486	.312
G 4499	1.095
G 4506	.122
G 4524	.026
G 4547	.027
G 4568	.291
G 4573	.021
G 4574	.028
G 4582	.034
G 4583	.027
G 4584	2.940
G 4585	.053
G 4586	.522

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: NOV 9 1987

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

DATE REPORT MAILED:

Nov. 17 / 87

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-3973 R

SAMPLE# AU**
oz/t

G 4587 1.076

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED SEPT. 26 1987

852 E. HASTINGS, VANCOUVER B.C.

PH: (604)253-3158 COMPUTER LINE:251-1011

DATE REPORTS MAILED

Sept 30/87

ASSAY CERTIFICATE

SAMPLE TYPE : PULP

AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 87-4173 R

PAGE# 1

SAMPLE	Au** oz/t
G 4605	.008
G 4606	.011
G 4607	.008
G 4608	.002
G 4609	.006
G 4623	.009
G 4624	.052
AG 4625	.007
AG 4626	.024
G 4634	.148
G 4656	.002
G 4657	.001
G 4658	.007
G 4659	.006
G 4660	.049
G 4679	.001
G 4680	.001
G 4681	.005
G 4695	.017

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

DATE RECEIVED: NOV 9 1987
DATE REPORT MAILED: *Nov. 17/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4217 R

SAMPLE#	AU** oz/t
G 4699	.022
G 4701	.017
G 4705	.018
G 4706	.015
G 4740	.017
G 4742	.015
G 4781	.027
G 4801	.030
G 4802	.090
G 4815	.018
G 4826	.055

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 12 1987
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: *Nov 17/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4385 R

SAMPLE#	AU** oz/t
G 4901	.106
G 4958	.022

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JAN 11 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: *Jan 19, 1988*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

IMPERIAL METALS PROJECT-4117 File # 87-4563R

SAMPLE#	AU** oz/t
G 7118	.003
G 7126	1.269
G 7127	.045
G 7172	.229
G 7191	.065

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 12 1987
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: *Nov 17/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4629 R

SAMPLE#	AU** oz/t
G 7225	.272
G 7229	.026
G 7230	.049
G 7274	.020
G 7293	.023

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 12 1987
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: *Nov 17/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4701 R

SAMPLE#	AU** oz/t
G 7302	.027
G 7313	.151
G 7437	.015

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: NOV 12 1987

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE (604)253-3158 FAX (604)253-1716

DATE REPORT MAILED: *Nov 17/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: .. *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4818 R

SAMPLE#	AU**
	oz/t

G 7475	.028
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ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716

DATE RECEIVED: NOV 12 1987

DATE REPORT MAILED: *Nov. 17/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4970 R

SAMPLE#	AU** oz/t
G 7532	.020
G 7611	.047
G 7680	.178

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 11 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: *Jan. 14/88*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *Al Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-4719R

SAMPLE#	AU** oz/t
G 7540	.036
G 7541	.012
G 7551	.011

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 12 1987
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716 DATE REPORT MAILED: *Nov. 17/87*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-5092 R

SAMPLE#	AU** oz/t
G 7657	.044
G 7697	.015

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 12 1987
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604) 253-3158 FAX (604) 253-1716 DATE REPORT MAILED: *Nov 16/87..*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *D. Toyne* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT-4117 File # 87-5370 R

SAMPLE#	AU** oz/t
G 7796	.019
G 7803	.036
G 7805	.020
G 7806	.019
G 7808	.018
G 7812	.073
G 7814	.082
G 7815	.014
G 7818	.061
G 7822	.017
G 7823	.018
G 7826	.013

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
T6-1-R	3	20	31	1	.7	4	3	371	1.15	3	5	ND	1	15	2	5	9	8	.78	.003	2	4	.10	21	.01	9	.09	.01	.04	7	2
T6-2-R	14	33	52	1	1.0	5	6	359	2.79	2	5	ND	1	5	1	2	61	9	.12	.034	3	6	.11	71	.01	2	.23	.01	.11	3	104
T6-3-R	3	174	9	81	.4	2	15	855	4.27	21	5	ND	6	61	1	2	2	41	1.45	.128	10	8	.79	138	.01	2	1.05	.03	.28	1	8
T6-6-R	3	76	7	75	.2	40	12	1796	3.69	10	5	ND	1	295	2	6	2	94	13.43	.045	3	48	4.02	112	.01	2	.39	.07	.06	1	12
T6-8-R	2	53	5	51	.3	1	10	911	3.89	6	5	ND	1	66	1	11	2	23	6.82	.049	2	8	.45	1630	.01	2	.22	.01	.17	1	22
T6-10-R	1	373	2	64	.5	5	11	626	3.44	7	5	ND	6	25	1	2	2	68	.66	.076	19	11	.80	194	.08	3	1.23	.03	.73	1	11
T6-12-R	4	72	2	71	.2	7	11	1148	4.61	10	5	ND	2	177	4	2	2	79	12.12	.057	6	11	2.53	84	.01	7	.46	.05	.15	1	1
T6-13-R	4	58	10	69	.1	4	11	1225	4.48	10	5	ND	1	193	1	2	2	80	11.86	.071	6	11	3.17	877	.01	2	.51	.05	.14	1	1
T6-14-R	3	38	9	55	.2	10	11	977	4.72	13	5	ND	1	171	1	4	2	112	12.98	.052	2	11	2.71	43	.01	3	.56	.04	.07	1	1
T6-16-R	10	172	42	104	.9	39	25	2196	6.30	5	5	ND	1	189	4	7	2	163	17.42	.050	11	15	3.91	183	.01	9	.31	.04	.10	1	395
T6-22-R	11	2416	5	128	1.8	53	34	1122	11.44	23	5	ND	2	74	1	2	2	226	1.63	.299	2	53	3.01	90	.16	6	2.58	.02	.31	1	165
T6-23-R	6	2928	6	82	3.4	45	20	785	8.76	14	5	ND	1	133	1	2	2	151	1.45	.194	2	32	1.75	33	.15	8	1.66	.03	.07	8	205
T6-24-R	5	22563	9	145	14.9	11	68	1351	5.37	10	5	ND	1	52	4	2	3	41	.65	.046	3	12	.77	39	.02	2	.96	.01	.29	1	495
T6-25-R	20	155	6	13	.8	4	7	250	1.50	35	5	ND	1	24	4	7	2	11	.11	.026	3	4	.04	655	.01	4	.22	.03	.11	1	3
T6-26-R	2	732	15	50	.7	8	17	418	2.73	7	5	ND	2	66	2	2	2	46	.45	.067	6	8	.27	322	.04	11	.52	.05	.14	1	12
T6-28-R	27	152	8	2	1.3	7	6	27	1.12	159	5	ND	1	87	2	144	2	9	.04	.040	4	3	.01	732	.01	6	.25	.01	.19	1	32
T6-30-R	4	1295	2	56	.4	19	23	676	4.03	12	5	ND	2	82	2	2	2	80	.57	.106	2	30	1.59	169	.11	9	1.64	.03	.41	1	4
T6-32-R	6	1070	3	59	.2	32	19	672	7.96	14	5	ND	1	73	1	2	2	193	.87	.110	3	110	2.12	238	.28	11	2.04	.05	.70	1	6
T6-37-R	1	11	4	32	.1	5	5	407	2.12	12	5	ND	4	72	1	2	2	33	1.97	.033	3	9	.15	634	.02	14	.73	.01	.15	2	1
T6-43-R	34	2978	5	13	3.0	5	87	250	1.99	6	5	ND	3	24	3	4	2	7	.50	.046	13	5	.03	55	.01	7	.23	.04	.16	1	62
T6-44-R	1	29	4	54	.1	9	8	917	2.46	5	5	ND	13	23	1	2	2	22	1.28	.114	29	18	.41	154	.01	4	.61	.03	.30	1	27
T6-45-R	4	114	3	103	.2	16	25	1986	8.68	18	5	ND	3	72	1	3	2	106	2.82	.134	4	26	1.53	272	.09	6	1.56	.02	.89	1	24
T6-46-R	36	248	14	34	1.5	7	12	1035	6.40	31	5	ND	2	50	1	3	4	12	3.52	.028	2	10	.83	9	.01	2	.17	.01	.14	1	825
T6-47-R	6	204	10	78	.1	4	9	221	21.21	15	5	ND	2	36	1	8	5	33	.01	.199	2	3	.04	217	.01	2	.50	.01	.14	1	1
T6-52-R	1	39	2	17	.1	5	12	183	5.85	4	5	ND	1	19	2	2	2	16	.02	.040	2	8	1.04	17	.01	2	1.36	.01	.15	1	5
T6-54-R	2	5950	2	91	1.0	27	13	785	6.63	5	5	ND	2	36	1	2	2	65	.55	.152	6	9	2.65	158	.06	3	3.15	.01	.15	1	7
T6-55-R	1	4246	3	77	.9	63	15	804	3.00	7	5	ND	1	31	1	2	2	44	.66	.169	3	54	2.50	151	.16	2	2.36	.02	.17	1	48
T6-57-R	10	8823	6	48	5.8	47	7	412	2.67	45	5	ND	2	13	2	3	2	17	.51	.120	10	21	.08	271	.01	2	.43	.01	.19	1	175
T6-59-R	2	95	4	27	.3	6	6	199	5.68	9	5	ND	2	6	1	2	2	25	.01	.102	6	15	1.69	34	.01	2	1.79	.01	.14	1	38
T6-61-R	1	66	4	55	.1	4	3	425	1.88	5	5	ND	4	18	1	2	2	24	.17	.055	8	6	.44	62	.01	2	.77	.04	.15	1	1
T6-62-R	1	382	13	2203	2.7	1	1	2594	1.44	2	5	ND	1	29	7	2	2	4	2.03	.003	2	3	.14	38	.01	2	.06	.01	.01	6	1
T6-65-R	7	24	5	45	.2	4	6	579	2.19	5	5	ND	1	46	2	2	2	52	.41	.088	4	9	.83	65	.04	11	1.10	.01	.36	1	2
T6-66-R	8	27	46	56	.7	4	9	1504	3.51	5	5	ND	1	6	2	2	11	48	.08	.034	2	9	.64	75	.06	2	.66	.01	.06	1	2
T6-68-R	6	31	13	13	1.3	4	4	477	1.32	3	5	ND	1	9	2	2	5	21	.08	.031	2	6	.28	38	.02	2	.40	.02	.12	1	7
T6-71-R	1	20	3	44	.1	5	9	718	2.41	9	5	ND	2	26	2	2	2	21	.51	.160	10	7	.61	83	.05	3	.87	.03	.20	1	1
T6-75-R	1	13	3	8	.1	13	5	314	1.41	4	5	ND	1	15	1	2	2	10	.09	.061	2	7	.03	500	.01	3	.47	.02	.21	1	6
T6-77-R	1	8	5	1	.1	2	1	68	1.09	2	5	ND	1	4	1	2	2	2	.03	.004	2	3	.01	72	.01	5	.03	.01	.03	1	1
STD C/AU-R	18	62	37	135	7.2	72	29	1084	4.11	40	18	7	39	52	19	17	19	61	.47	.094	39	58	.86	183	.08	39	1.77	.06	.14	12	495

SAMPLE#	PERMETALS CORF DJEC 17 E # 4170																												Pa		
	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	BT PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %		K %	W PPM
T6-89R	5	62	3	11	.1	5	3	253	2.27	5	5	ND	1	147	1	2	2	33	1.13	.052	5	11	.46	19	.08	8	1.21	.02	.05	2	20
T6-90R	1	16	9	93	.1	7	7	1046	2.20	2	5	ND	5	102	1	3	2	26	2.01	.091	22	25	.58	202	.08	9	.94	.02	.51	1	16
T6-100R	4	55	18	187	1.2	4	7	1184	3.47	31	5	ND	1	18	1	5	2	98	.41	.131	5	13	.54	104	.12	8	.98	.01	.46	1	7
T6-106R	1	9	4	158	.1	12	16	1332	4.45	3	5	ND	1	76	1	7	2	35	6.99	.092	5	5	.75	301	.01	3	.41	.03	.19	1	11
T6-112R	1	6	9	151	.1	4	12	1240	4.25	4	5	ND	1	49	1	2	2	35	2.34	.147	12	5	.24	141	.01	8	.87	.02	.16	1	1
T6-116R	3	18	163	249	.6	2	5	91	3.71	18	5	ND	1	85	2	5	2	11	.05	.098	8	1	.02	292	.01	2	.50	.10	.17	1	3
T6-134R	1	15	11	41	.1	3	3	507	1.43	2	5	ND	7	69	1	2	2	11	2.00	.078	25	6	.05	95	.01	7	.45	.02	.21	1	19
T6-137R	4	37	12	32	.3	2	2	236	2.13	14	5	ND	1	24	1	2	4	11	.18	.108	7	3	.39	163	.01	2	.67	.02	.21	1	30
T6-139R	10	16	7	55	.1	4	12	972	1.84	2	5	ND	1	40	1	2	2	20	.44	.063	3	13	.41	679	.04	9	.69	.02	.19	2	128
T6-149R	1	2	2	29	.1	6	3	354	1.45	2	5	ND	2	14	1	2	2	10	.16	.037	8	7	.18	40	.01	4	.58	.04	.16	1	1
T6-166R	2	5027	2	102	4.6	18	16	1080	4.90	14	5	ND	1	73	1	2	5	89	1.46	.116	4	25	2.01	30	.03	9	2.05	.03	.07	5	16
T6-171R	1	63	3	14	.1	3	3	168	2.33	6	5	ND	1	104	1	2	2	47	.74	.085	2	8	.29	64	.20	15	.72	.05	.06	1	3
T6-194R	1	58	7	21	.1	3	5	666	1.78	2	5	ND	9	34	1	2	2	5	1.61	.081	29	4	.09	347	.01	10	.41	.02	.23	1	2
T6-195R	5	96	5	22	.1	4	8	456	2.27	10	5	ND	5	23	1	2	2	12	.51	.054	15	4	.19	366	.01	4	.42	.02	.16	1	9
T6-196R	3	1241	4	19	.2	5	3	406	.87	82	5	ND	1	22	1	2	2	5	.23	.018	4	2	.02	1362	.01	8	.21	.01	.15	2	198
STD C/AU-R	20	59	38	134	7.6	69	29	1049	3.95	39	18	8	39	52	19	18	22	59	.49	.088	39	61	.87	179	.07	35	1.90	.06	.13	13	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
T6-4-S	2	210	8	122	.3	109	24	2169	6.66	16	5	ND	1	105	1	2	2	208	8.95	.179	8	160	1.07	921	.02	2	1.06	.02	.13	4	44
T6-5-S	6	465	4	76	.4	43	19	1817	5.57	24	5	ND	2	134	1	2	2	149	4.81	.162	10	75	.72	167	.01	2	1.64	.01	.24	1	96
T6-7-S	3	195	11	86	.3	10	23	1914	5.55	16	5	ND	7	22	1	7	2	53	.49	.154	12	17	.36	769	.02	2	.79	.01	.16	2	20
T6-11-S	4	220	19	145	.1	16	30	3602	9.20	20	5	ND	10	31	1	2	2	179	.80	.138	31	17	.54	409	.02	2	1.37	.01	.24	2	19
T6-15-S	1	226	9	77	.1	51	20	1296	5.70	21	5	ND	2	111	1	2	2	166	1.67	.142	7	96	.80	662	.03	2	1.69	.01	.18	4	41
T6-27-S	16	823	9	111	.3	27	19	1314	9.56	97	5	ND	3	10	1	7	2	173	.08	.104	10	83	1.40	373	.10	2	3.44	.01	.46	1	35
T6-31-S	105	1552	16	71	2.6	23	40	1099	8.14	255	5	ND	2	14	1	34	2	159	.09	.171	11	56	.89	224	.09	4	2.27	.01	.33	1	110
T6-33-S	504	2886	13	72	4.6	23	65	633	14.32	111	5	ND	7	41	1	6	2	110	.06	.180	47	48	.90	139	.09	2	1.88	.03	.72	3	350
T6-34-S	17	307	11	67	.1	7	22	2508	5.55	17	5	ND	6	16	1	2	2	65	.32	.107	17	11	.24	425	.01	2	.72	.01	.19	6	11
T6-35-S	1	113	20	65	.1	9	12	1272	3.03	5	5	ND	14	28	1	2	2	36	.42	.072	42	19	.40	210	.03	4	1.10	.01	.15	1	1
T6-36-S	3	430	11	89	.2	10	34	2445	7.98	29	5	ND	4	27	1	3	2	100	.52	.151	23	13	.48	489	.03	8	1.42	.01	.21	3	8
T6-38-S	1	66	8	67	.1	23	11	550	4.20	19	5	ND	1	36	1	2	2	67	.25	.072	12	33	.51	182	.04	4	1.50	.01	.05	1	2
T6-39-S	4	323	10	96	.1	10	26	1552	9.49	47	5	ND	5	40	1	2	2	179	.80	.265	24	15	.69	209	.04	7	2.05	.01	.19	1	3
T6-41-S	1	58	8	41	.1	3	8	712	3.72	7	5	ND	4	64	1	2	2	41	.51	.116	14	6	.21	680	.01	4	.98	.01	.23	6	2
T6-49-S	1	47	11	146	.1	59	21	2053	6.01	24	5	ND	2	32	3	2	2	136	.09	.137	15	75	.43	104	.01	4	1.60	.01	.12	1	14
T6-60-S	6	132	12	86	.6	32	10	530	5.62	16	5	ND	1	24	1	2	2	82	.14	.141	11	56	.82	108	.04	4	2.25	.01	.07	2	12
T6-63-S	2	70	8	88	.3	15	10	988	4.82	14	5	ND	1	21	1	2	2	90	.19	.194	9	37	.98	60	.05	2	2.28	.01	.14	3	20
T6-64-S	7	134	10	101	.1	17	19	1819	5.30	17	5	ND	2	24	2	2	2	85	.22	.151	11	31	1.00	83	.06	2	2.35	.01	.15	3	35
T6-67-S	5	113	14	84	.2	16	18	1381	4.60	14	5	ND	3	20	1	3	2	62	.24	.166	14	27	.51	100	.02	3	1.92	.01	.10	1	114
T6-69-S	7	106	14	94	.2	23	13	549	4.42	36	5	ND	2	23	1	2	3	56	.19	.207	14	35	.71	94	.03	4	2.48	.01	.08	1	26
T6-70-S	5	263	10	141	.5	30	50	3007	8.35	17	5	ND	5	16	1	2	2	70	.05	.370	20	29	.54	120	.02	2	3.72	.01	.06	1	30
T6-72-S	2	102	10	77	.4	24	11	472	4.37	14	5	ND	3	25	2	2	3	53	.17	.146	16	38	.74	105	.03	2	2.21	.01	.05	1	29
T6-74-S	2	80	15	81	.1	18	13	988	3.99	15	5	ND	1	18	1	2	2	52	.12	.170	11	24	.40	108	.01	2	1.78	.01	.07	2	59
T6-76-S	4	65	8	96	.2	26	14	811	6.61	29	5	ND	1	16	2	5	2	120	.11	.146	8	38	.38	146	.01	2	1.39	.01	.11	1	68
T6-79-S	4	95	13	116	.2	18	16	1699	5.82	24	5	ND	2	24	1	2	3	87	.24	.178	11	30	.42	172	.02	4	1.48	.01	.12	1	60
T6-80-S	5	108	11	103	.2	16	15	1132	4.95	18	5	ND	2	21	1	2	2	72	.36	.129	15	24	.36	231	.01	3	1.38	.01	.13	2	29
T6-83-S	2	68	10	80	.2	13	9	1629	3.96	11	5	ND	1	18	1	2	2	67	.06	.190	14	30	.64	107	.02	3	2.17	.01	.06	1	2
T6-84-S	6	215	22	464	.2	18	28	3908	6.74	50	5	ND	3	41	2	8	2	68	.01	.147	12	13	.16	400	.01	2	1.39	.01	.09	2	25
T6-85-S	6	125	19	258	.7	13	19	2607	5.78	29	5	ND	1	21	1	4	3	59	.08	.206	14	16	.34	187	.01	2	1.58	.01	.11	1	46
T6-86-S	4	152	9	192	.2	15	21	2221	5.97	32	5	ND	1	23	1	3	2	73	.13	.218	12	23	.41	140	.01	2	1.53	.01	.14	1	55
T6-87-S	1	75	12	120	.1	14	11	1233	5.50	38	5	ND	1	15	1	4	2	90	.12	.192	8	27	.43	71	.01	9	2.09	.01	.10	1	54
T6-88-S	1	28	10	55	.3	7	6	1256	2.78	11	5	ND	1	13	1	2	2	60	.04	.137	8	16	.28	80	.01	6	1.51	.01	.15	1	32
STD C/AU-S	18	62	42	132	7.1	71	28	1048	3.99	43	22	8	40	51	19	16	18	61	.45	.093	38	63	.85	182	.08	34	1.73	.06	.13	12	52

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-3 SOIL P4-6 CORE P7-ROCK AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 15 1987

DATE REPORT MAILED: *Sept 24/87*ASSAYER: *D. Lopez* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORP PROJECT-4117 File # 87-4173 ✓ Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
T6-91S	2	26	7	46	1.2	5	6	800	2.35	5	5	ND	2	25	1	3	2	48	.13	.063	5	15	.26	89	.01	2	1.06	.01	.08	1	175
T6-92S	2	23	9	47	.2	4	6	237	1.94	6	5	ND	1	17	1	2	2	50	.08	.047	5	9	.09	99	.01	2	.86	.01	.07	3	68
T6-93S	2	35	10	74	.8	6	7	396	2.82	7	13	ND	3	21	1	2	2	66	.12	.054	5	13	.42	89	.03	2	1.21	.01	.12	1	1
T6-94S	2	29	5	73	.9	6	10	2193	3.62	9	5	ND	1	29	1	2	2	98	.24	.051	4	22	.86	147	.09	8	1.96	.02	.19	1	4
T6-95S	2	28	5	77	.1	10	9	867	3.94	7	5	ND	1	29	1	2	2	88	.19	.066	4	25	.65	77	.03	4	1.62	.01	.11	1	13
T6-96S	3	30	13	62	2.0	4	7	744	3.17	8	5	ND	1	25	1	4	2	74	.14	.061	5	15	.18	141	.01	4	1.08	.01	.10	1	21
T6-97S	3	41	11	117	.5	9	10	1524	4.21	11	12	ND	1	22	1	3	2	80	.10	.105	6	19	.27	180	.01	4	1.30	.01	.12	1	51
T6-98S	4	63	27	146	2.0	9	14	2460	4.15	18	5	ND	1	23	1	9	2	73	.15	.129	6	18	.21	211	.01	3	1.05	.01	.13	1	56
T6-99S	5	58	33	255	.7	9	15	3332	5.90	28	5	ND	1	17	1	2	2	115	.17	.135	6	18	.29	176	.01	2	1.32	.01	.17	1	59
T6-101S	5	112	51	176	1.5	13	24	5042	7.01	37	5	ND	1	24	1	2	2	125	.20	.190	7	26	.60	199	.01	6	1.59	.01	.24	1	31
T6-102S	3	36	6	96	.1	4	10	3527	4.49	10	5	ND	1	17	1	2	2	74	.25	.088	9	12	.12	278	.01	2	1.18	.01	.11	1	295
T6-103S	3	57	10	148	.4	29	13	788	4.44	10	5	ND	2	21	1	6	2	66	.31	.109	13	21	.41	160	.01	7	1.52	.01	.14	1	13
T6-107S	2	75	25	213	.1	10	16	2432	5.35	11	9	ND	1	10	1	3	2	53	.06	.120	5	8	.05	136	.01	4	.65	.02	.09	1	1
T6-108S	5	123	69	476	.8	16	28	4639	6.96	24	5	ND	1	35	1	9	2	49	.44	.152	25	7	.17	702	.01	4	1.22	.01	.09	3	245
T6-110S	3	97	20	222	.3	7	16	2060	6.02	8	5	ND	1	13	1	2	2	56	.05	.138	8	11	.08	198	.01	5	1.44	.01	.09	1	81
T6-111S	2	2	8	48	.1	2	6	508	2.06	2	5	ND	2	8	1	4	2	10	.05	.054	7	1	.07	264	.01	2	1.74	.01	.06	1	1
T6-113S	6	156	68	379	.6	19	23	5021	6.53	18	8	ND	3	29	1	3	2	84	.31	.134	13	66	.31	588	.01	3	2.23	.01	.15	1	47
T6-114S	4	88	32	390	.2	10	20	10415	7.26	18	5	ND	1	36	1	2	2	98	.28	.217	19	20	.66	957	.01	3	2.97	.01	.16	1	1
T6-115S	18	116	142	673	1.1	14	28	1703	8.95	41	10	ND	2	211	2	2	2	48	.04	.238	9	7	.11	363	.01	2	1.89	.10	.09	1	24
T6-117S	2	26	9	72	.1	4	5	599	2.19	3	5	ND	2	15	1	2	2	18	.03	.080	9	6	.11	72	.01	3	1.64	.01	.05	1	6
T6-118S	2	27	4	30	.1	1	5	793	1.70	2	5	ND	3	6	1	2	2	9	.05	.051	9	2	.09	159	.01	3	1.05	.01	.06	1	1
T6-119S	2	18	11	54	.1	1	7	1272	2.12	2	5	ND	2	6	1	2	2	10	.03	.076	12	2	.06	193	.01	2	1.09	.01	.08	1	1
T6-120S	2	96	7	71	.1	19	7	307	2.84	6	5	ND	1	31	1	2	2	53	.30	.107	15	27	.59	92	.03	9	1.93	.01	.04	1	1
T6-121S	1	37	6	49	.1	4	4	337	2.03	2	5	ND	1	23	1	2	2	53	.12	.103	8	13	.29	114	.01	2	1.71	.01	.05	1	2
T6-122S	1	40	9	67	.6	17	6	194	2.56	4	5	ND	1	19	1	2	2	45	.23	.085	15	30	.56	83	.03	2	2.32	.01	.04	1	3
T6-123S	1	33	8	69	.6	5	8	1267	3.24	3	14	ND	3	26	1	2	2	66	.14	.123	6	12	.53	111	.01	2	1.83	.01	.08	1	1
T6-124S	1	169	10	65	.1	11	11	902	4.19	8	5	ND	1	29	1	2	2	94	.30	.132	11	18	.88	144	.02	6	2.29	.01	.06	1	3
T6-125S	2	62	13	90	.1	5	11	3038	3.00	5	5	ND	1	62	1	2	2	80	.37	.119	6	8	.65	244	.02	2	1.88	.01	.11	1	45
T6-126S	2	172	3	61	.1	18	8	463	3.04	7	5	ND	1	36	1	2	2	65	.31	.100	13	23	.64	116	.03	6	2.13	.01	.04	1	10
T6-127S	2	68	6	53	.1	4	7	938	3.92	3	5	ND	1	31	1	2	2	118	.16	.102	7	12	.51	164	.01	6	2.16	.01	.08	2	11
T6-128S	2	124	14	81	.1	20	8	642	3.32	5	5	ND	1	21	1	2	3	62	.23	.133	13	25	.65	142	.01	3	2.11	.01	.06	1	16
T6-129S	1	39	8	67	.1	11	7	489	3.75	4	5	ND	1	41	1	2	2	92	.23	.132	10	19	.54	75	.02	4	2.15	.01	.06	1	24
T6-130S	2	24	9	57	.1	4	4	370	2.23	4	5	ND	1	13	1	2	2	44	.05	.085	10	14	.21	85	.01	4	1.57	.01	.09	1	8
T6-131S	1	39	9	54	.1	5	6	539	2.86	6	5	ND	1	24	1	2	2	90	.12	.098	4	13	.52	91	.01	2	1.98	.01	.08	1	5
T6-132S	2	306	84	73	.2	8	18	3260	4.24	10	5	ND	2	44	1	2	5	111	.34	.187	15	14	.91	234	.01	5	2.97	.01	.11	2	86
T6-133S	3	205	13	63	.1	6	12	1414	3.49	5	5	ND	3	25	1	2	2	51	.34	.112	17	8	.40	293	.01	2	1.58	.01	.12	1	128
STD C/AU-S	19	60	37	133	7.5	67	28	1015	3.91	39	22	8	40	51	17	16	20	57	.49	.089	38	59	.87	182	.07	33	1.88	.06	.14	11	52

SAMPLE#	PER MET: DORF DJEC 17 E # 4170																												Pa		
	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA		K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
T6-135S	1	67	6	85	.3	8	7	1526	3.69	2	5	ND	3	13	1	2	2	79	.13	.158	7	16	.45	151	.01	2	1.84	.01	.11	1	12
T6-136S	3	71	20	61	.1	10	6	237	2.83	8	5	ND	1	17	1	6	2	53	.17	.118	9	13	.33	71	.01	8	1.95	.01	.04	1	5
T6-138S	5	169	19	101	.2	14	10	1376	3.48	6	5	ND	1	31	1	2	2	58	.26	.174	14	27	.59	525	.01	3	2.27	.01	.08	25	93
T6-140S	3	189	16	112	.1	32	13	1698	3.62	4	5	ND	1	23	1	2	3	57	.25	.178	9	51	.55	154	.02	4	1.79	.01	.08	1	31
T6-141S	2	63	18	203	.1	171	43	6174	8.37	12	10	ND	1	18	1	2	2	115	.33	.150	20	173	.37	1300	.04	7	.88	.01	.09	2	30
T6-142S	3	92	19	234	.1	75	30	7706	7.29	37	5	ND	1	21	1	2	2	71	.25	.142	29	88	.51	1402	.01	4	1.98	.01	.09	1	15
T6-144S	2	38	15	187	.1	66	22	2854	4.91	10	5	ND	1	9	1	2	2	68	.11	.126	16	82	.96	373	.06	2	1.95	.01	.20	1	113
T6-145S	4	478	32	665	.8	271	114	8926	8.22	53	8	ND	1	18	1	2	5	72	.13	.172	25	108	.48	1489	.01	4	1.55	.01	.09	1	37
T6-146S	2	33	15	114	.2	52	14	3352	3.51	7	12	ND	2	10	1	2	2	48	.06	.134	15	61	.24	322	.01	5	1.75	.01	.11	1	560
T6-147S	1	24	20	103	.1	23	11	1273	3.72	11	5	ND	1	16	1	6	2	59	.18	.112	13	34	.65	199	.02	8	2.56	.01	.06	1	32
T6-148S	2	24	46	125	.1	28	12	677	4.71	4	5	ND	1	12	1	2	2	44	.10	.074	15	32	.36	365	.02	3	1.93	.01	.06	1	65
T6-150S	1	40	6	120	.1	21	10	1373	3.70	21	5	ND	1	23	1	2	2	57	.15	.124	13	31	.41	246	.01	5	1.85	.01	.05	1	76
T6-151S	1	18	13	66	.1	18	5	242	2.61	6	5	ND	1	15	1	5	2	43	.14	.070	16	28	.38	64	.02	2	1.63	.01	.05	1	8
T6-152S	1	117	31	347	.5	25	19	2373	6.65	9	5	ND	1	25	1	2	2	109	.19	.211	14	45	.52	349	.01	11	2.50	.01	.06	1	265
T6-153S	5	360	38	569	.2	19	29	4200	7.17	20	5	ND	1	13	1	2	2	118	.09	.137	18	21	.34	319	.01	4	1.69	.01	.07	1	305
T6-154S	1	316	42	69	.2	8	16	1974	6.88	16	6	ND	3	23	1	2	2	116	.27	.126	19	10	.42	133	.01	2	2.04	.01	.10	1	33
T6-155S	4	298	235	1307	.5	14	37	4604	6.21	14	5	ND	2	18	5	2	9	139	.19	.173	10	29	1.31	141	.01	6	3.39	.01	.05	1	150
T6-156S	1	111	40	160	.1	7	13	832	5.09	5	5	ND	2	29	1	3	4	126	.19	.130	5	16	.89	127	.01	2	2.77	.01	.06	1	6
T6-157S	1	105	25	123	.1	17	10	969	3.04	8	5	ND	1	31	1	2	2	65	.34	.163	13	28	.75	171	.02	3	2.15	.01	.05	1	34
T6-158S	6	191	317	1193	.1	28	43	4719	7.02	35	5	ND	2	31	13	2	5	92	.20	.202	11	23	.25	590	.01	2	1.61	.01	.11	1	77
T6-168S	5	173	20	184	.1	30	15	1102	4.60	805	5	ND	1	15	1	2	2	44	.32	.110	16	20	.37	206	.01	2	1.53	.01	.10	1	4
T6-175S	1	104	27	89	.1	29	15	432	6.09	27	5	ND	1	34	1	2	2	141	.16	.107	8	66	.90	85	.03	2	2.32	.01	.03	1	1
T6-176S	3	300	15	104	.6	45	22	616	7.32	16	5	ND	1	41	1	2	6	176	.40	.165	5	98	1.88	77	.15	8	3.02	.01	.14	5	103
T6-177S	3	153	16	99	.1	40	19	594	7.79	12	5	ND	2	44	1	2	3	198	.31	.141	3	96	1.77	57	.19	2	2.89	.01	.10	2	18
T6-178S	2	114	17	118	.5	42	20	749	7.68	9	5	ND	1	43	1	2	2	206	.45	.223	4	88	2.16	113	.18	2	3.17	.01	.20	1	9
T6-179S	3	88	13	83	.3	37	16	585	5.59	8	5	ND	1	46	1	2	4	168	.34	.093	4	84	1.29	76	.18	9	2.29	.01	.13	3	7
T6-180S	3	126	17	116	.8	41	21	825	7.37	10	5	ND	2	46	1	2	3	202	.54	.235	4	86	2.15	84	.16	5	2.89	.01	.19	2	20
T6-181S	4	122	13	85	.1	26	17	525	6.57	7	5	ND	1	40	1	2	2	155	.24	.116	4	68	1.20	57	.10	2	2.38	.01	.08	2	89
T6-182S	1	37	14	88	.2	31	13	631	4.06	9	5	ND	1	38	1	2	4	108	.29	.097	4	104	1.23	43	.10	3	1.77	.01	.06	1	49
T6-183S	6	124	13	156	.7	16	14	1089	4.33	4	5	ND	1	55	1	2	3	97	.66	.100	12	31	1.19	169	.06	6	2.31	.01	.12	7	25
T6-184S	6	58	7	128	.1	8	12	1230	4.40	3	5	ND	1	39	1	2	2	97	.30	.092	7	17	.74	156	.06	5	1.94	.01	.11	1	15
T6-185S	6	98	12	156	.3	23	15	1009	4.43	5	5	ND	1	81	1	2	2	99	.88	.112	7	48	1.28	223	.07	2	2.14	.01	.13	6	6
T6-186S	8	49	8	176	.1	26	17	1628	4.30	7	5	ND	1	79	1	3	2	108	.76	.103	7	76	1.19	167	.10	5	1.86	.01	.12	1	11
T6-187S	1	39	14	93	.5	15	11	501	4.17	6	5	ND	1	37	1	2	2	112	.28	.076	5	37	.98	56	.13	4	1.76	.01	.10	1	8
T6-188S	2	61	14	89	.6	16	13	929	4.43	8	5	ND	1	38	1	2	3	112	.25	.079	5	40	.97	60	.08	7	2.03	.01	.11	3	7
T6-189S	2	78	8	98	.1	23	15	896	5.53	10	5	ND	1	40	1	2	4	138	.31	.106	5	62	1.21	57	.10	4	2.18	.01	.10	1	16
STD C/AU-S	20	61	42	131	7.0	70	29	1044	3.91	42	18	9	40	55	19	17	20	61	.48	.096	41	64	.87	184	.07	35	1.79	.06	.13	12	51

SAMPLE#	PER										MET		DORF		IJEC		17		E #		1173		Pa									
	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU*	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM		
16-190S	8	84	10	146	.5	27	19	967	5.37	8	5	ND	5	92	1	4	3	142	1.09	.122	6	84	1.67	224	.11	5	2.50	.01	.13	5	48	
16-191S	2	41	5	54	.4	8	7	416	2.71	4	5	ND	1	36	1	2	2	87	.26	.064	6	46	.53	43	.07	2	1.46	.01	.06	1	24	
16-193S	19	902	85	.93	.9	35	23	1740	8.51	58	5	ND	4	18	1	2	14	159	.17	.122	12	73	1.09	313	.04	2	2.90	.01	.46	4	185	
16-202S	4	213	15	116	1.0	13	13	575	5.06	12	6	ND	8	74	1	5	7	101	.73	.142	11	28	.89	210	.04	2	1.85	.01	.52	1	65	

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 TO P5-SOIL P6-ROCK P7 TO P8-CORE AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 17 1987

DATE REPORT MAILED: Aug 25/87

ASSAYER: *D. J. Jepsen* DEAN TOYE, CERTIFIED B.C. ASSAYER

IMPERIAL METALS

File # 87-3359

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
500N 800W	1	57	8	90	.1	11	13	2104	3.96	3	5	ND	2	24	1	2	2	80	.13	.105	9	31	.83	215	.02	2	2.08	.01	.06	3	56
500N 775W	1	67	8	46	.1	6	6	389	3.52	3	5	ND	1	16	1	2	2	78	.10	.111	7	17	.36	111	.01	2	1.42	.01	.06	1	19
500N 750W	1	67	4	73	.1	8	9	583	4.02	6	5	ND	1	24	1	2	2	84	.12	.127	6	23	.55	104	.01	2	1.93	.01	.06	1	98
500N 725W	1	48	11	91	.1	8	14	2793	3.77	4	5	ND	1	34	1	2	2	83	.23	.146	5	24	.69	238	.01	2	1.94	.01	.09	1	4
500N 700W	1	63	3	111	.1	15	13	1146	4.33	3	5	ND	1	41	1	2	2	85	.37	.202	6	44	1.09	250	.02	3	2.97	.01	.09	1	2
500N 675W	1	254	10	95	.1	22	14	1481	4.80	7	5	ND	2	33	1	2	2	84	.41	.182	12	41	1.00	175	.03	2	2.66	.01	.06	1	1
500N 650W	1	71	5	112	.1	12	15	1444	4.75	7	5	ND	2	29	1	2	2	88	.26	.177	6	31	.90	187	.02	2	2.41	.01	.09	3	61
500N 625W	1	89	11	90	.1	16	11	600	5.29	11	5	ND	2	20	1	2	2	85	.21	.234	10	32	.58	105	.02	2	2.27	.01	.06	1	10
400N 800W	1	31	6	53	.1	5	6	484	3.17	2	5	ND	2	20	1	2	2	76	.11	.080	7	13	.56	87	.02	2	1.82	.01	.08	2	64
400N 775W	1	37	5	51	.1	6	7	247	3.79	2	5	ND	1	21	1	2	2	86	.11	.074	6	18	.64	64	.03	2	1.73	.01	.05	1	19
400N 750W	1	34	6	53	.2	5	6	655	3.37	3	5	ND	1	17	1	2	3	73	.12	.181	5	15	.39	94	.01	2	1.60	.01	.09	1	12
400N 725W	1	91	6	72	.1	10	10	535	4.94	6	5	ND	2	20	1	2	2	99	.17	.116	7	23	.62	103	.02	2	1.74	.01	.06	1	16
400N 700W	1	29	6	71	.1	12	8	711	3.89	6	5	ND	1	33	1	2	2	84	.25	.087	6	27	.79	130	.06	2	1.94	.01	.08	1	4
400N 675W	1	41	9	66	.1	9	8	400	3.78	4	5	ND	1	22	1	2	2	70	.17	.100	7	23	.46	136	.01	2	1.47	.01	.08	3	1
400N 650W	1	27	6	52	.1	7	6	1141	2.97	4	5	ND	2	18	1	2	2	58	.11	.105	9	15	.30	121	.01	3	1.37	.01	.09	1	39
400N 625W	1	16	5	43	.2	4	4	248	2.37	2	5	ND	1	18	1	2	2	46	.07	.086	7	11	.19	60	.01	2	1.47	.01	.08	2	10
400N 600W	1	48	8	67	.1	9	7	305	4.10	6	5	ND	1	19	1	2	2	69	.13	.168	7	20	.33	83	.01	2	1.61	.01	.07	1	134
400N 575W	1	55	13	53	.1	7	6	1120	3.01	4	5	ND	1	20	1	2	2	72	.11	.108	6	15	.34	149	.01	2	1.51	.01	.08	1	36
400N 550W	1	60	11	75	.1	13	8	392	4.00	7	5	ND	2	22	1	2	2	76	.14	.204	9	26	.57	101	.03	2	2.35	.01	.07	2	22
400N 525W	1	37	11	73	.1	7	11	2377	3.18	4	5	ND	1	30	1	2	2	74	.16	.135	5	17	.51	183	.02	2	1.79	.01	.08	1	28
300N 800W	1	25	6	41	.1	4	5	512	2.68	4	5	ND	1	24	1	2	3	65	.11	.052	7	14	.30	120	.02	2	1.19	.01	.07	2	8
300N 775W	1	21	9	40	.1	3	4	308	2.77	3	5	ND	1	18	1	2	2	76	.09	.054	7	13	.28	87	.02	3	1.45	.01	.05	1	4
300N 750W	1	27	7	40	.1	5	5	159	3.31	5	5	ND	3	19	1	2	3	79	.08	.082	7	15	.35	58	.02	2	1.87	.01	.04	1	250
300N 725W	1	42	3	63	.1	6	6	265	4.15	4	5	ND	2	15	1	2	2	95	.08	.117	7	18	.54	64	.02	2	2.30	.01	.05	1	12
300N 700W	1	34	11	55	.1	8	7	368	3.49	2	5	ND	1	20	1	2	2	77	.10	.087	7	23	.58	64	.02	2	1.76	.01	.07	1	34
300N 675W	1	65	6	58	.1	7	7	594	3.65	6	5	ND	1	18	1	2	2	75	.11	.100	7	19	.40	98	.02	2	1.76	.01	.06	1	36
300N 650W	1	29	9	50	.1	7	5	648	2.67	3	5	ND	1	26	1	2	2	60	.16	.044	8	20	.33	120	.02	2	.99	.01	.07	1	14
300N 625W	1	24	8	41	.1	5	4	340	2.25	2	5	ND	1	20	1	2	2	51	.11	.051	8	10	.18	77	.01	2	.87	.01	.08	1	12
300N 600W	1	43	7	48	.1	5	7	243	3.76	6	5	ND	1	16	1	3	2	94	.10	.056	5	14	.25	142	.02	2	1.03	.01	.06	2	200
300N 575W	2	67	15	101	.4	14	13	818	5.14	10	5	ND	1	29	1	2	2	94	.25	.199	5	41	.81	193	.01	2	2.21	.01	.12	1	29
300N 550W	1	45	18	71	.2	9	11	1722	3.45	5	5	ND	1	27	1	2	4	71	.17	.130	6	23	.48	210	.01	2	1.80	.01	.11	1	34
300N 525W	1	63	6	54	.1	11	8	649	3.67	6	5	ND	3	14	1	2	2	75	.12	.131	10	21	.36	111	.01	3	1.49	.01	.05	1	58
300N 500W	1	36	11	60	.1	10	7	683	3.44	5	5	ND	1	20	1	2	3	61	.14	.179	8	24	.37	122	.01	2	1.94	.01	.05	1	16
300N 475W	1	31	7	47	.1	9	6	198	3.43	7	5	ND	1	15	1	2	5	63	.14	.141	8	18	.37	.58	.01	2	1.60	.01	.04	2	4
300N 450W	1	40	11	83	.2	9	14	3703	4.94	4	5	ND	2	15	1	2	2	91	.09	.170	5	21	.50	227	.01	3	1.53	.01	.07	2	18
300N 425W	1	56	9	66	.2	8	11	981	4.72	7	5	ND	2	11	1	3	3	74	.12	.378	7	16	.33	105	.01	2	1.92	.01	.05	1	20
STD C/AU-S	19	62	40	132	7.0	69	28	1050	4.10	37	14	7	39	51	18	16	20	60	.48	.090	38	60	.86	181	.09	31	1.78	.06	.13	11	49

IMPERIAL METALS FILE # B7-3359

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 %	WA %	K %	N PPM	AU# PPB
300N 400W	1	86	13	114	.1	13	14	879	6.21	6	5	ND	2	18	1	2	2	91	.21	.295	8	23	.64	110	.02	2	2.27	.01	.07	2	24
300N 375W	1	85	12	94	.1	9	13	1106	6.12	2	5	ND	1	15	1	5	2	120	.12	.119	7	17	.40	127	.01	2	1.70	.01	.06	2	10
300N 350W	1	64	9	106	.1	9	16	3114	4.39	2	5	ND	1	48	1	2	2	86	.71	.158	7	18	.77	287	.01	2	1.73	.01	.12	1	8
300N 325W	1	32	17	110	.4	10	20	4484	5.55	5	5	ND	2	15	1	2	2	97	.16	.121	6	21	1.41	204	.01	3	2.59	.01	.06	1	7
300N 300W	1	12	13	66	.3	4	11	2554	3.03	3	5	ND	1	7	1	2	2	61	.09	.092	6	9	.25	200	.01	2	1.21	.01	.06	1	1
300N 275W	1	62	16	90	.2	10	13	762	6.73	4	5	ND	1	5	1	5	2	128	.02	.106	6	13	.39	80	.01	2	1.37	.01	.04	1	3
300N 250W	1	72	21	117	.8	10	51	12094	6.46	11	5	ND	1	12	1	5	2	81	.06	.284	6	15	.10	453	.01	2	1.86	.01	.06	1	1
300N 225W	5	228	21	119	.8	59	44	5899	10.04	18	5	ND	1	7	1	4	2	112	.06	.188	7	36	.17	346	.01	3	.98	.01	.07	1	10
300N 200W	4	37	10	42	.2	7	4	348	2.58	5	5	ND	1	6	1	4	2	59	.03	.102	11	14	.13	114	.01	2	1.74	.01	.05	2	5
200N 800W	1	33	11	69	.1	8	9	393	4.02	5	5	ND	1	47	1	2	2	88	.36	.044	6	31	.63	635	.03	2	2.06	.01	.05	1	2
200N 775W	1	19	8	47	.4	5	5	368	3.69	4	5	ND	1	26	1	2	2	88	.14	.055	7	18	.40	117	.06	2	1.48	.01	.06	2	1
200N 750W	1	21	11	40	.1	4	4	462	3.01	4	5	ND	1	22	1	2	2	69	.12	.053	6	14	.30	63	.03	4	1.25	.01	.04	1	1
200N 725W	1	10	7	17	.1	2	2	80	1.58	2	5	ND	1	21	1	2	2	39	.10	.020	4	7	.11	38	.02	2	.76	.01	.03	1	1
200N 700W	1	21	9	30	.4	3	4	145	3.18	2	5	ND	1	23	1	2	2	84	.09	.026	9	15	.22	65	.03	3	1.38	.01	.04	1	7
200N 675W	1	26	13	48	.3	5	5	235	3.70	2	5	ND	1	21	1	2	2	96	.08	.052	8	18	.34	70	.02	2	1.78	.01	.04	1	9
200N 650W	2	30	12	102	.3	13	9	448	5.59	6	5	ND	2	27	1	2	2	123	.20	.124	8	30	.94	81	.10	2	2.16	.01	.09	1	16
200N 625W	1	18	15	30	.1	3	3	200	2.27	2	5	ND	1	20	1	2	2	62	.08	.050	8	13	.21	77	.01	2	1.46	.01	.04	1	6
200N 600W	1	54	25	69	.1	10	8	1139	3.64	5	5	ND	2	21	1	2	2	86	.11	.094	10	24	.38	236	.01	2	1.71	.01	.06	1	20
200N 575W	1	32	15	46	.1	6	5	282	3.27	4	5	ND	1	15	1	2	2	79	.10	.094	11	17	.33	120	.01	2	1.68	.01	.07	1	1
200N 550W	1	36	11	54	.1	8	7	235	4.16	5	5	ND	3	13	1	2	2	87	.10	.096	12	21	.39	83	.02	5	1.52	.01	.05	1	42
200N 525W	1	71	13	96	.1	13	11	439	5.32	6	5	ND	1	27	1	2	2	88	.16	.202	9	25	.62	122	.01	2	2.22	.01	.07	1	5
200N 500W	1	60	12	70	.1	9	8	500	4.59	8	5	ND	1	24	1	2	2	99	.15	.089	6	23	.59	173	.01	2	1.87	.01	.06	1	131
200N 475W	1	76	17	81	.1	6	11	2080	3.91	2	5	ND	1	17	1	2	2	85	.13	.080	8	16	.33	463	.01	2	1.71	.01	.07	1	49
200N 450W	1	40	12	103	.3	9	10	869	4.87	5	5	ND	1	16	1	2	2	99	.11	.135	6	20	.52	226	.01	2	2.24	.01	.09	1	21
200N 425W	1	53	9	73	1.1	7	8	481	3.55	5	5	ND	1	15	1	2	2	77	.09	.097	4	17	.80	141	.01	2	3.25	.01	.06	1	2
200N 400W	1	30	15	63	.1	8	10	1582	3.88	3	5	ND	1	28	1	2	2	83	.23	.085	8	17	.58	141	.03	2	1.44	.01	.08	1	30
200N 375W	1	45	10	62	.1	11	8	422	3.95	7	5	ND	1	20	1	2	2	72	.19	.159	10	21	.58	91	.01	2	1.92	.01	.04	1	110
200N 350W	1	45	16	72	.1	7	9	976	3.72	5	5	ND	1	15	1	2	2	72	.13	.099	9	17	.58	144	.01	2	1.82	.01	.07	1	39
200N 325W	4	109	20	222	.2	27	27	2517	8.94	27	5	ND	1	14	1	8	2	115	.22	.183	9	16	.69	230	.01	3	1.83	.01	.06	2	56
200N 300W	3	122	22	213	.6	26	37	4006	10.03	20	5	ND	3	19	1	7	2	123	.47	.184	13	18	.52	844	.01	2	1.67	.01	.11	1	45
200N 275W	2	155	17	120	.4	18	13	464	4.63	7	5	ND	1	13	1	3	2	85	.14	.116	9	27	.87	96	.01	2	2.00	.01	.05	1	41
200N 250W	13	1371	24	205	4.3	14	18	1898	12.08	91	5	ND	2	8	1	57	2	75	.07	.314	16	13	.25	233	.01	2	1.67	.01	.06	1	2360
200N 225W	1	55	18	91	.4	14	15	2000	5.05	7	5	ND	2	6	1	6	4	70	.04	.117	7	18	.39	149	.01	3	1.31	.01	.08	2	1
200N 200W	6	119	39	90	.1	19	13	1215	5.86	13	5	ND	1	14	1	9	3	72	.11	.083	9	14	.06	209	.01	2	.58	.01	.13	2	180
200N 175W	1	60	14	76	.2	16	9	551	4.00	11	5	ND	1	19	1	2	2	58	.20	.176	9	22	.38	114	.01	2	1.69	.01	.08	1	20
200N 150W	1	69	17	96	.2	44	10	818	4.33	10	5	ND	1	23	1	2	2	66	.13	.130	11	47	.14	194	.01	2	1.47	.01	.09	3	1
STD C/AU-S	19	62	42	132	7.3	70	29	1050	4.14	39	17	7	39	52	18	17	20	60	.48	.090	38	61	.86	183	.09	30	1.78	.07	.14	12	48

IMPERIAL METALS FILE # 87-3359

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
200N 125W	1	38	17	71	.2	34	8	657	3.28	4	5	ND	2	13	1	2	2	67	.10	.109	7	57	.44	87	.01	2	1.61	.01	.07	1	7
200N 100W	1	11	22	27	.2	7	3	807	1.87	4	5	ND	1	12	1	2	2	40	.07	.072	13	29	.10	95	.01	2	1.20	.01	.05	1	16
100N 800W	1	28	5	45	.1	5	4	242	2.38	4	5	ND	2	23	2	2	2	42	.13	.038	10	14	.25	167	.01	2	1.58	.01	.05	1	7
100N 775W	2	31	16	111	.1	10	10	1877	3.14	3	5	ND	2	85	1	2	2	57	.80	.086	10	30	.52	907	.02	4	1.65	.01	.07	2	6
100N 750W	1	26	12	71	.2	9	9	603	3.05	5	5	ND	1	78	1	2	2	57	.68	.071	7	29	.73	614	.04	2	1.57	.01	.07	1	9
100N 725W	2	72	6	82	.2	13	11	699	4.39	8	5	ND	3	72	1	2	2	91	.81	.083	7	42	1.25	575	.12	3	2.00	.01	.07	1	16
100N 700W	1	16	13	31	.2	3	3	217	2.63	3	5	ND	1	24	1	2	2	77	.12	.040	7	14	.25	75	.04	2	1.37	.01	.04	2	13
100N 675W	1	39	11	47	.1	5	6	522	3.27	5	5	ND	1	26	1	2	2	69	.19	.092	6	14	.36	70	.02	2	1.18	.01	.06	2	158
100N 650W	1	26	10	44	.2	4	5	257	3.58	4	5	ND	2	21	1	2	2	83	.13	.094	7	14	.34	105	.02	2	1.79	.01	.06	2	225
100N 625W	1	19	15	30	.1	3	3	138	2.45	4	5	ND	1	26	1	2	2	64	.13	.041	6	10	.20	43	.02	2	1.12	.01	.05	2	7
100N 600W	1	55	17	60	.1	7	8	238	4.53	4	5	ND	3	28	1	2	2	89	.16	.130	8	21	.63	85	.02	2	2.19	.01	.05	1	4
100N 575W	1	36	11	61	.1	7	6	215	3.35	5	5	ND	2	28	1	2	2	71	.13	.102	7	20	.40	81	.03	2	1.65	.01	.06	2	5
100N 550W	1	76	8	66	.1	4	6	222	3.78	8	5	ND	1	20	1	2	2	128	.16	.084	5	12	.20	588	.01	2	1.91	.01	.06	3	14
100N 525W	1	32	11	43	.4	5	5	223	3.35	3	5	ND	2	11	1	2	2	83	.06	.035	8	13	.30	117	.02	2	1.22	.01	.05	1	19
100N 500W	1	29	13	46	.2	5	5	308	3.39	3	5	ND	3	14	1	2	2	82	.07	.071	11	16	.34	95	.02	2	1.63	.01	.05	2	14
100N 475W	1	38	12	53	.1	8	7	237	3.96	3	5	ND	1	14	1	2	2	81	.10	.080	12	21	.44	58	.02	2	1.67	.01	.04	1	8
100N 450W	2	60	13	125	.3	14	12	918	6.21	7	5	ND	3	24	2	2	2	100	.17	.264	8	28	.78	140	.03	3	3.01	.01	.09	4	11
100N 425W	1	31	11	68	.3	8	7	263	3.83	5	5	ND	2	19	1	2	2	76	.10	.107	9	19	.46	74	.03	4	1.89	.01	.06	2	6
100N 400W	1	22	11	40	.1	4	5	482	3.08	3	5	ND	1	20	1	2	2	76	.08	.044	7	13	.28	101	.01	2	1.36	.01	.05	1	12
100N 375W	1	35	10	86	.4	9	8	403	4.68	4	5	ND	3	14	1	2	2	83	.10	.154	9	19	.53	96	.01	4	1.83	.01	.07	1	46
100N 350W	1	30	10	70	.1	8	8	285	3.61	4	5	ND	3	26	1	2	2	65	.17	.073	8	14	.48	110	.01	2	1.39	.01	.05	1	13
100N 325W	1	29	14	82	.1	10	9	686	4.46	3	5	ND	1	14	1	2	2	93	.10	.091	7	20	.54	81	.01	2	1.60	.01	.05	1	13
100N 300W	1	58	13	112	.3	13	13	607	6.47	6	5	ND	1	9	2	2	2	129	.06	.085	7	14	.60	90	.01	2	1.35	.01	.05	1	3
100N 275W	3	74	38	336	.2	51	37	3156	12.49	15	5	ND	2	19	1	7	2	189	.25	.222	12	66	.22	235	.01	2	1.34	.01	.07	3	4
100N 250W	1	11	13	63	.2	7	7	916	3.16	6	5	ND	1	10	1	2	2	65	.06	.081	7	11	.19	108	.01	2	1.19	.01	.05	1	2
100N 225W	1	202	16	158	.5	78	25	1389	7.26	15	5	ND	2	11	1	2	2	99	.13	.165	9	57	.61	548	.01	3	1.96	.01	.10	1	109
100N 200W	1	58	18	104	.3	81	20	1509	5.99	8	5	ND	1	18	1	2	2	77	.14	.130	8	72	.32	357	.01	2	1.37	.01	.13	2	54
100N 175W	1	51	33	133	.6	26	30	10640	7.36	4	5	ND	1	7	1	3	2	117	.04	.103	5	20	.07	814	.01	2	.93	.01	.08	3	21
100N 150W	1	102	12	95	.1	31	9	348	5.06	7	5	ND	1	11	1	2	2	83	.15	.172	8	51	.57	90	.01	4	2.36	.01	.07	1	4
100N 125W	1	145	9	101	2.6	10	15	3088	5.84	2	5	ND	1	22	1	2	2	87	.19	.166	6	19	.44	320	.01	2	2.72	.01	.15	1	5
100N 100W	1	67	19	108	.5	22	10	1504	3.12	7	5	ND	1	12	1	6	3	43	.08	.083	6	35	.11	345	.01	2	1.37	.01	.11	1	43
100N 75W	1	58	20	125	.3	36	13	2879	3.72	11	5	ND	1	9	1	2	2	51	.10	.217	12	56	.38	166	.01	2	2.55	.01	.10	1	10
100N 50W	1	18	11	97	.2	36	6	228	3.13	5	5	ND	1	8	1	2	2	40	.14	.089	8	32	.13	173	.01	2	1.18	.01	.08	1	22
100N 25W	1	78	18	83	.4	19	11	1884	4.10	6	5	ND	1	8	1	5	3	71	.04	.090	9	34	.19	153	.01	2	1.60	.01	.09	2	78
100N 0W	1	34	13	67	.5	44	8	293	3.83	5	5	ND	1	7	2	7	2	79	.05	.086	3	130	.61	43	.02	2	1.69	.01	.04	2	3
ON 800W	3	79	11	80	.1	19	10	837	4.03	5	5	ND	2	96	1	2	2	66	.92	.095	13	36	.85	833	.03	4	2.28	.01	.11	1	6
STD C/AU-S	18	62	43	132	7.1	69	28	1048	4.09	37	16	7	39	51	16	17	21	60	.48	.093	38	61	.86	180	.09	30	1.75	.07	.13	11	53

IMPERIAL METALS FILE # 87-3359

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
ON 775W	1	65	10	65	.6	14	9	532	3.22	3	5	ND	4	91	1	2	2	54	1.00	.102	14	60	.70	1010	.03	4	1.96	.01	.08	1	12
ON 750W	1	42	13	57	.2	9	9	416	3.16	3	5	ND	3	56	1	2	2	51	.47	.049	13	34	.47	675	.02	2	1.51	.01	.06	1	11
ON 725W	1	43	6	93	.2	9	6	356	2.73	2	5	ND	3	30	1	2	2	46	.23	.055	8	24	.40	492	.01	3	1.89	.01	.07	1	11
ON 700W	1	22	5	68	.1	5	5	264	2.11	2	5	ND	4	34	1	2	2	38	.29	.047	14	16	.32	937	.01	2	1.55	.01	.06	1	1
ON 675W	1	52	11	59	.5	11	7	484	3.62	6	5	ND	3	62	1	2	2	61	.72	.124	15	52	.62	631	.03	3	1.39	.01	.08	1	18
ON 650W	1	58	13	102	.2	9	12	653	3.66	5	5	ND	2	63	1	2	2	79	.67	.045	9	41	.52	1440	.01	2	2.04	.01	.05	2	2
ON 625W	1	36	11	53	.2	6	6	215	3.75	5	5	ND	1	18	1	2	2	66	.09	.100	5	18	.34	70	.03	2	1.33	.01	.05	1	12
ON 600W	1	46	12	87	.1	10	7	360	3.93	2	5	ND	2	19	1	2	2	72	.11	.100	9	25	.48	125	.03	6	1.75	.01	.06	1	5
ON 575W	1	38	5	45	.1	8	4	302	2.73	2	5	ND	1	17	1	2	2	71	.10	.048	6	18	.16	121	.01	2	1.17	.01	.05	1	3
ON 550W	1	24	14	42	.1	2	5	1714	2.40	2	5	ND	1	21	1	2	2	68	.11	.047	6	13	.16	204	.02	2	1.34	.01	.03	3	1
ON 525W	1	23	7	27	.1	3	3	189	2.24	2	5	ND	1	20	1	2	2	54	.11	.028	6	10	.10	79	.02	3	.74	.01	.05	1	31
ON 500W	1	40	12	57	.3	7	6	370	3.53	3	5	ND	3	28	1	2	3	65	.17	.108	7	18	.39	120	.02	3	1.67	.01	.06	1	1
ON 475W	1	52	7	71	.1	6	7	352	4.20	2	5	ND	1	15	1	2	2	94	.06	.052	6	16	.26	93	.01	2	1.39	.01	.05	1	2
ON 450W	1	34	13	46	.1	5	5	334	3.18	2	5	ND	1	14	1	2	2	80	.05	.043	6	16	.24	68	.01	2	1.30	.01	.05	1	2
ON 425W	2	40	12	84	.1	20	8	1023	3.82	2	5	ND	1	12	1	2	2	64	.09	.101	10	35	.30	138	.01	2	1.35	.01	.07	1	6
ON 400W	1	41	13	66	.2	13	7	198	4.54	3	5	ND	4	11	1	2	2	70	.15	.173	10	26	.40	53	.02	8	1.50	.01	.05	1	23
ON 375W	1	49	10	72	.1	18	8	300	3.85	3	5	ND	1	17	1	2	5	67	.19	.152	10	33	.43	73	.02	2	1.49	.01	.05	1	11
ON 350W	1	37	11	55	.1	11	7	278	3.24	3	5	ND	1	22	1	2	2	65	.11	.051	7	25	.30	99	.01	2	1.06	.01	.06	1	23
ON 325W	1	63	12	85	.2	29	10	465	4.16	4	5	ND	2	24	1	2	4	64	.18	.162	8	44	.48	161	.01	2	1.77	.01	.08	1	23
ON 300W	1	29	12	60	.1	23	8	276	3.75	4	5	ND	4	17	1	3	2	62	.25	.173	13	46	.39	120	.03	2	1.29	.01	.06	1	116
ON 275W	1	31	8	56	.3	12	7	381	3.52	3	5	ND	1	16	1	2	2	73	.12	.055	8	29	.38	106	.01	2	1.29	.01	.07	2	7
ON 250W	1	73	17	173	.6	27	19	849	7.53	7	5	ND	2	13	1	6	2	105	.12	.142	8	37	.38	201	.01	7	1.70	.01	.10	3	23
ON 225W	1	110	11	104	.5	17	12	1100	5.57	9	5	ND	2	10	1	10	2	80	.06	.076	7	20	.12	174	.01	2	1.07	.01	.06	1	20
ON 200W	1	16	13	51	.1	17	5	179	2.97	3	5	ND	1	11	1	2	2	58	.06	.054	8	34	.08	84	.01	2	1.02	.01	.04	1	11
ON 175W	2	52	15	77	.3	27	9	662	4.07	3	5	ND	2	11	1	5	2	67	.10	.088	8	29	.09	224	.01	2	1.15	.01	.06	2	8
ON 150W	1	38	10	49	.1	10	6	441	3.60	3	5	ND	1	14	1	2	2	65	.10	.057	8	25	.35	127	.01	2	1.35	.01	.08	2	1
ON 125W	1	45	11	72	.2	19	7	400	3.97	5	5	ND	1	18	1	2	2	91	.13	.080	9	39	.39	283	.01	2	1.69	.01	.11	1	19
ON 100W	1	33	12	70	.2	15	7	232	4.33	2	5	ND	1	23	1	2	2	71	.20	.071	7	42	.53	350	.02	4	1.66	.01	.06	1	12
ON 75W	1	58	7	78	.1	24	10	306	4.92	6	5	ND	1	20	1	2	2	98	.17	.108	6	50	.77	182	.02	5	2.45	.01	.07	1	33
ON 50W	1	30	15	67	.1	22	7	777	3.48	3	5	ND	1	9	1	3	2	66	.05	.088	7	57	.28	204	.01	2	1.61	.01	.09	1	15
ON 25W	1	112	25	121	.1	66	17	1404	5.17	11	5	ND	2	17	1	2	2	101	.31	.170	11	95	1.02	730	.01	2	2.49	.01	.11	3	4
ON OW	1	32	9	79	.1	43	10	626	4.66	7	5	ND	1	26	1	2	2	113	.13	.111	6	103	.88	113	.01	2	2.12	.01	.06	2	2
100S 800W	2	32	11	52	.3	7	5	213	2.54	2	5	ND	2	37	1	2	2	66	.29	.052	8	24	.45	412	.03	3	1.82	.01	.08	1	9
100S 775W	2	50	11	46	.4	9	6	620	2.09	3	5	ND	4	87	1	2	2	30	1.02	.105	18	38	.38	601	.01	3	1.26	.01	.09	1	3
100S 750W	4	57	10	56	.4	16	11	1748	3.22	5	5	ND	3	99	1	2	2	57	1.15	.158	16	62	.76	807	.03	9	1.57	.01	.09	1	7
100S 725W	2	46	12	52	.4	10	8	866	2.44	3	5	ND	4	71	1	2	2	34	.75	.079	15	39	.40	797	.01	2	1.41	.01	.09	1	1
STD C/AU-S	19	62	40	132	7.0	70	28	1040	4.06	40	18	7	38	50	18	17	23	58	.48	.087	37	58	.85	178	.09	31	1.76	.06	.15	12	50

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# PPM
100S 700W	3	58	12	121	.1	17	10	1136	3.40	4	5	ND	5	72	1	2	4	56	.77	.051	13	40	.68	1476	.02	2	2.51	.01	.10	1	5
100S 675W	3	44	16	96	.1	10	10	936	3.39	5	5	ND	1	50	2	2	5	70	.44	.061	10	28	.52	918	.04	2	1.93	.01	.07	1	3
100S 650W	2	52	12	102	.2	19	10	621	4.14	5	5	ND	2	72	1	2	2	85	.85	.060	9	53	1.19	1353	.06	4	2.69	.01	.09	2	2
100S 625W	1	29	12	63	.1	5	6	165	3.38	3	5	ND	3	55	1	2	2	85	.58	.023	9	17	.44	1183	.01	2	2.23	.01	.04	1	130
100S 600W	1	19	7	35	.1	3	3	71	2.23	2	5	ND	2	44	1	2	2	52	.53	.061	9	11	.14	706	.01	2	1.77	.01	.03	1	5
100S 575W	2	76	37	101	.6	14	12	895	4.12	5	5	ND	3	57	3	2	3	93	.78	.063	11	52	.55	1432	.04	8	3.55	.02	.05	1	15
100S 550W	1	34	8	51	.2	7	6	256	3.42	5	5	ND	1	19	2	2	4	80	.10	.059	6	19	.34	126	.02	2	1.48	.01	.06	2	17
100S 525W	1	56	11	89	.2	11	9	794	4.46	6	5	ND	1	23	1	2	2	88	.15	.106	8	27	.62	149	.03	2	1.80	.01	.06	1	2
100S 500W	1	41	9	58	.2	7	7	245	3.88	6	5	ND	1	19	1	2	2	84	.11	.102	5	19	.38	109	.02	2	1.90	.01	.05	2	6
100S 475W	1	27	9	32	.2	7	4	163	2.87	6	5	ND	2	22	2	2	2	48	.18	.137	6	19	.29	53	.02	2	1.42	.01	.04	1	7
100S 450W	1	25	11	50	.1	8	6	221	3.30	3	5	ND	1	19	1	2	3	72	.11	.042	8	22	.41	77	.04	2	1.51	.01	.04	4	1
100S 425W	1	41	15	45	.3	5	7	249	3.92	5	5	ND	3	16	1	2	3	83	.13	.097	5	17	.45	57	.02	2	1.67	.01	.05	2	2
100S 400W	1	22	8	34	.1	4	4	152	2.87	3	5	ND	1	18	2	2	2	74	.08	.041	6	15	.20	59	.02	2	1.33	.01	.04	1	3
100S 375W	1	57	13	52	.1	8	7	496	3.52	4	5	ND	2	24	1	2	3	66	.12	.124	7	19	.44	88	.02	2	1.80	.01	.05	1	22
100S 350W	1	40	10	53	.1	7	6	295	3.40	4	5	ND	1	18	1	2	4	81	.08	.050	7	19	.33	74	.02	3	1.51	.01	.05	1	55
100S 325W	1	28	9	42	.2	15	4	442	3.07	2	5	ND	2	12	2	2	2	65	.03	.036	9	50	.11	156	.02	3	.93	.01	.06	3	30
100S 300W	1	39	13	60	.1	23	6	193	3.86	6	5	ND	3	12	1	2	2	64	.13	.196	9	52	.32	63	.02	5	1.41	.01	.05	2	54
100S 275W	1	45	15	67	.1	28	7	223	4.49	9	5	ND	4	14	2	2	3	74	.16	.167	10	61	.34	120	.02	2	1.77	.01	.05	1	14
100S 250W	1	38	13	72	.1	21	7	245	4.11	6	5	ND	3	14	1	2	2	64	.11	.150	13	41	.40	84	.03	2	1.78	.01	.06	1	2
100S 225W	1	49	13	81	.2	14	9	382	3.92	6	5	ND	3	23	1	2	2	80	.14	.059	8	35	.65	96	.03	2	2.05	.01	.06	1	8
100S 200W	1	36	11	76	.1	16	8	393	4.13	6	5	ND	2	24	1	2	2	73	.14	.095	8	32	.44	108	.02	2	1.65	.01	.06	2	10
100S 175W	1	43	10	77	.2	16	9	379	4.84	6	5	ND	1	20	1	2	2	90	.15	.099	7	33	.54	109	.02	3	1.93	.01	.05	2	9
100S 150W	1	37	13	75	.4	12	10	302	5.29	7	5	ND	1	15	1	2	2	92	.08	.104	7	31	.48	61	.02	2	1.87	.01	.04	1	11
100S 125W	1	29	13	87	.1	25	14	458	5.97	7	5	ND	1	30	1	2	2	124	.36	.086	6	56	.93	223	.11	2	1.70	.01	.11	5	1
100S 100W	1	72	14	151	.3	19	14	2133	6.77	6	5	ND	2	8	2	8	4	59	.13	.092	9	18	.08	260	.01	2	.55	.01	.07	1	51
100S 75W	1	192	11	78	.3	30	9	273	6.01	5	5	ND	1	5	1	4	3	78	.06	.062	8	72	.08	74	.02	2	.77	.01	.07	2	55
100S 50W	1	20	12	48	.6	21	5	199	3.56	7	5	ND	2	10	2	2	2	77	.11	.108	10	60	.42	57	.03	2	1.46	.01	.03	2	15
100S 25W	1	51	16	73	.3	32	8	263	4.48	16	5	ND	4	15	1	2	2	69	.25	.665	10	76	.56	94	.01	2	3.36	.01	.04	1	19
100S 0W	1	38	15	73	.2	23	7	343	3.74	7	5	ND	3	19	1	2	3	75	.12	.121	9	51	.58	85	.02	2	1.92	.01	.05	2	6
STD C/AU-S	19	60	44	132	6.9	67	28	1044	4.09	37	15	7	39	50	18	17	24	59	.47	.087	38	65	.85	178	.09	30	1.75	.06	.13	12	52

IMPERIAL METALS FILE # 87-3359

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
P 87-1	2	30	4	1	.2	5	1	159	.90	4	5	ND	1	4	1	2	2	3	.23	.004	2	6	.01	44	.01	12	.04	.03	.03	1	57
P 87-2	7	903	32	11	2.6	4	7	436	1.24	9	5	ND	1	77	1	2	2	3	1.04	.008	2	6	.01	778	.01	2	.08	.03	.04	1	725
TRS-87-1-R	1	39	15	65	.1	7	11	1014	4.03	3	5	ND	1	179	1	2	2	104	6.74	.089	8	22	.79	909	.04	2	1.03	.02	.18	1	22
TRS-87-2-R	1	71	13	98	.4	7	14	1090	4.62	2	5	ND	3	124	1	2	2	77	7.65	.110	9	13	.35	258	.03	3	.76	.01	.16	2	11
TRS-87-3-R	1	37	9	89	.1	7	12	1079	4.09	2	5	ND	1	122	1	2	2	66	8.04	.101	9	15	.46	208	.03	9	.64	.02	.15	3	17
TRS-87-4-R	1	88	10	96	1.0	6	11	962	4.11	5	5	ND	2	90	1	2	2	73	6.53	.113	9	12	.21	326	.03	12	.54	.01	.18	2	510
TRS-87-5-R	1	88	9	79	.4	4	11	1171	4.46	2	5	ND	2	123	1	2	2	71	6.64	.116	9	10	.17	526	.03	7	.67	.01	.28	2	14
TRS-87-6-R	1	246	12	71	1.4	5	12	1550	3.75	2	5	ND	2	209	1	4	2	65	8.64	.088	7	17	.35	1638	.03	13	.45	.01	.19	2	32
TRS-87-7-R	1	60	10	82	.3	6	13	1172	4.93	2	5	ND	2	132	1	2	2	98	6.51	.107	8	17	.57	274	.04	6	.69	.01	.22	2	15
TRS-87-8-R	1	18	11	72	.1	10	15	919	3.75	3	5	ND	1	607	1	8	2	82	9.85	.047	5	20	4.09	1732	.03	9	.41	.08	.08	2	4
TRS-87-9-R	37	1464	77	28	3.3	6	6	440	1.93	21	5	ND	5	61	1	3	2	12	.95	.039	11	8	.03	662	.01	2	.37	.01	.18	1	1250
TRS-87-10-K	1	1175	12	29	3.4	4	12	1321	2.18	96	5	ND	1	99	1	2	2	25	3.25	.092	4	10	1.01	173	.01	2	.34	.02	.18	1	865
STD C/AU-R	18	59	43	132	6.7	68	27	1038	3.98	37	19	7	39	50	16	17	21	58	.46	.086	37	65	.83	178	.09	30	1.69	.06	.13	11	480

A P P E N D I X I I I

ROCK SAMPLE DESCRIPTIONS

I M P E R I A L M E T A L S C O R P O R A T I O N

TRAVERSE NUMBER:
N.T.S. : 93N/11W

PROJECT: Takla-Rainbow, B.C.
AREA : Takla-Rainbow South Grid

GEOLOGIST(S): R. Pesalj/D. Gorc
DATE : July 1987

Sample Number	RX Rock, Tolus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS				
							Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm
P87-1	Talus		Grab		10+80N/4+70W	White coarse grained, massive quartz vein with minor oxidized pyrite grains 1-2mm across. Float from talus slope above the camp.	57	.2	30	1	4
P87-2	Talus		Grab		10+95N/6+05W	Rusty weathered quartz vein with remnants of pyrite. Most of pyrite completely oxidized. Float from talus slope above the camp.	725	2.6	903	11	32
P87-3	Rock		Grab		11+00N/5+75W	Light green, very fine grained andesitic volcanic from the o/c on the slope above DDH 3. The rock is cut by thin limonite coated fractures.					
P87-4	Rock		Grab		11+00N/5+20W	Dark grey, fine grained, massive, basaltic rock in the o/c above the DDH 3 setup. Hairline limonite coated fractures cutting the unit.					
P87-5	Core		Grab		TRS873 @ 24.0m	Beige and light green-grey porphyritic granitic intrusive. Consists of large 1-10mm phenocrysts of greenish plagioclase, grey quartz and pink K-spar phenocrysts set in grey quartz-feldspathic groundmass. Slightly bleached, kaolinized section.					

TAKLA-RAINBOW PROJECT - SOUTH GRID

PAGE 2 of 3

Sample Number	RX Rock, Tolus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS				
						Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppm	Ag ppm	Cu ppm	Zn ppm	Pb ppm
P87-6	Core		Grab		TRS873 @94.65m	Greyish-green granitic porphyritic rock. Consists of few large K-spar phenocrysts 5-10mm across and phenocrysts of greenish plagioclase set in grey quartz-feldspar matrix.					
P87-7	Core		Grab		TRS873@ 185.0m	Maroon and grey andesitic agglomerate or volcanic breccia. Consists of various andesitic fragments, angular to subrounded, ranging in size from 1-5cm across, set in greenish chlorite-feldspar matrix.					
P87-8	Talus		Grab		11+00N/5+50W	White, coarse grained quartz vein. Float from the hillside above the camp. Chalcopyrite blebs and irregular grains throughout, rimmed by green malachite stain. Chalcopyrite content approximately 15%.					
P87-9	Core		Grab		TRS874 @ 49.0m	Light and dark grey volcanic breccia. Consists of light grey angular fragments of andesite cemented by dark grey quartz with 5% disseminated pyrite.					
P87-10	Rock		Grab			Dark green, fine grained basaltic rock, massive, highly chloritic. Float from the west part of TRS grid.					
TRS1-R	Rock		Chip	3m	11+25N, 6+70N	Very rusty, strongly carbonated sheared andesite on top of ridge. Very weathered, all sulphides leached.	22	.1	39	65	15
TRS2-R	Rock		Chip	3m	11+25N, 6+70N	Very rusty, strongly carbonated sheared andesite on top of ridge. Very weathered, all sulphides leached.	11	.4	71	98	13

TAKLA-RAINBOW PROJECT - SOUTH GRID

PAGE 3 of 3

Sample Number	RX Rock, Tolus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS				
							Au ppm	Ag ppm	Cu ppm	Zn ppm	Pb ppm
TRS3-R	Rock		Chip	3m	11+25N, 6+70N	Very rusty, strongly carbonated sheared andesite on top of ridge. Very weathered, all sulphides leached.	17	.1	37	89	9
TRS4-R	Rock		Chip	3m	11+25N, 6+70N	Very rusty, strongly carbonated sheared andesite on top of ridge. Very weathered, all sulphides leached.	510	1.0	88	96	10
TRS5-R	Rock		Chip	3M	11+25N, 6+70N	Very rusty, strongly carbonated sheared andesite on top of ridge. Very weathered, all sulphides leached.	14	.4	88	79	9
TRS6-R	Rock		Chip	3m	11+25N, 6+70N	Very rusty, strongly carbonated sheared andesite on top of ridge. Very weathered, all sulphides leached.	32	1.4	246	71	12
TRS7-R	Rock		Chip	3m	11+25N, 6+70N	Very rusty, strongly carbonated sheared andesite on top of ridge. Very weathered, all sulphides leached.	15	.3	60	82	10
TRS8-R	Rock		Channel	20cm	10+40N, 5+70W	Quartz carbonate shear zone in porphyritic andesite.	4	.1	18	72	11
TRS9-R	Rock		Channel	3cm	10+70N, 5+72W	Quartz vein with chalcopyrite in granite porphyry.	1250	3.3	1464	28	77
TRS10R	Rock		Chip	3cm	L11N, 5+70W	Quartz vein with pyrite chalcopyrite; in andesitic volcanics.	865	3.4	1175	29	12

I M P E R I A L M E T A L S C O R P O R A T I O N

TRAVERSE NUMBER:
N.T.S. : 93N/11W

PROJECT: Takla-Rainbow, B.C.
AREA : Regional Mapping 1:5000

GEOLOGIST(S): D. Gorc
DATE : August 1987

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG1R	Talus		Grab		6171240N 355650E	1.5cm thick quartz-pyrite vein float.	2	.7	20	31	1	
TG2R	Rock		Grab		6171025N 356255E	5cm thick quartz-pyrite vein.	104	1.0	33	52	1	
TG3R	Rock		Grab		6170975N 356200E	2% disseminated fracture pyrite in slightly altered diorite.	8	.4	174	9	81	
TG45	Soil				6171395N 355200E	Narrow (5m) gossan on ridge, probable fault trace.						
TG6	Rock		Grab		6171395N 355200E	Same location as TG4,5; highly carbonated, brecciated rock, calcite to quartz veinlets, locally silicified, only trace pyrite.	12	.2	76	7	75	
TG7	Soil				6171505N 355050E	A prominent gossan to 150m, east of gossan TG4,5, also along ridge.	20	.3	195	11	86	
TG8	Rock		Grab		6171505N 355050E	Similar rock to TG-6; same location as TG-7.	22	.3	53	5	51	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 3 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG18	Specimen				6171805N 354735E	White grandiorite, equigranular, medium texture; plagioclase; ?, biotite.						
TG19	Specimen				6172225N 354990E	Coarse granodiorite, pinkish tinge; trace pyrite.						
TG20	Specimen				6172555N 355000E	Very coarse textured granodiorite, quartz eyes and feldspar phenocrysts to 1cm; K-spar, plagioclase, biotite hornblende.						
TG21	Specimen				6173050N 354985E	White equigranular, medium texture granodiorite.						
TG22R	Rock		Grab		6171125N 354830E	Porphyry copper mineralization; 1-2% disseminated fracture pyrite; minor chalco; minor malachite in very mafic medium textured diorite; 90% hornblende, highly magnetic.	165	1.8	2416	5	128	
TG23R	Float		Grab		6171120N 354780E	Porphyry copper mineralization, abundant malachite and lesser azurite along fractures; 1-2% disseminated pyrite and chalco and epidote-pyrite-chalco veinlets in fine textured diorite; less mafic than TG-22R; 50% plagioclase; 50% mafic, highly magnetic.	205	3.4	2928	6	82	
TG24R	Rock		Grab		6171135N 354780E	Porphyry copper mineralization in sheared diorite.	495	14.9	22563	9	145	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 4 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG25R	Float		Grab		6171360N 354495E	Quartz float - minor pyrite within 50m x 20m moderate gossan.	3	.8	155	6	13	
TG26R	Rock		Grab		6171350N 354510E	Porphyry copper mineralization within fine textured diorite. Diorite is slightly bleached.	12	.7	732	15	50	
TG27S	Soil				6171350N 354510E	Gossan.	35	.3	823	9	111	
TG28R	Rock		Grab		6171470N 354240E	30cm thick quartz shear in white, highly bleached intrusive with quartz veinlets; minor pyrite.	32	1.3	152	8	2	
TG29	Specimen				6171470N 354240E	White bleached intrusive float with bluish quartz veinlets; quartz eyes; bleached chlorite.						
TG30R	Rock		Grab		6171475N 354225F	Porphyry copper mineralization in fine grained diorite; moderate epidote alteration in patches.	4	.4	1295	2	56	
TG31	Soil				6171430N 354210E		110	2.6	1552	16	31	
TG32	Rock		Grab		6171515N 354160E	Same as TG-30R.	6	.2	1070	3	59	
TG33S	Soil				6171530N 354200E	1650m elevation: near outcrop of porphyry copper mineralization.	350	4.6	2886	13	72	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 5 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG34S	Soil				6171960N 354505E	Prominent gossan in pass on ridge; probably fault trace, carbonated grandiorite outcrop nearby.	11	.1	307	11	67	
TG35S	Soil				6171980N 354485E	Gossan.	1	.1	113	20	65	
TG37R	Rock					Highly carbonated, ironstained grandiorite.	1	.1	11	4	32	
TG38S	Soil				6172030N 354450E	Gossan.	2	.1	66	8	67	
TG39S	Soil				6172355N 354185E	Gossan.	3	.1	323	10	96	
TG40	Specimen				6172750N 354085E	Medium grained grandiorite.						
TG41S	Soil				6172790N 354065E	Prominent gossan; likely fault trace.	2	.1	58	8	41	
TG42	Specimen				6173140N 354000E	White equigranular grandiorite.						
TG43	Rock		Grab		617153N 354200E	Porphyry copper mineralization; west of Takla Drill Camp.	62	3.0	2978	5	13	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 6 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG44R	Rock		Grab		6170720N 354855E	Altered granite porphyry.	27	.1	29	4	54	
TG45R	Rock		Grab		6170708N 354825E	Fine grained porphyritic andesite; 1-3% disseminated pyrite; highly magnetic.	24	.2	114	3	103	
TG46R	Rock		Grab		6170705N 3548795E	3cm thick quartz-pyrite vein at 325° strike; steep dip to south, within 1m wide shear zone.	825	1.5	248	14	34	
TG47R	Rock		Grab		6170675N 354675E	Very iron stained (limonite), cemented caliche; perhaps very kaolinized breccia; volcanic fragments are angular and bleached, completely white.	1	.1	204	10	78	
TG48	Specimen				6170580N 354675E	Fine andesite porphyry, patchy epidote alteration.						
TG49S	Soil				6170620N 354570E		14	.1	47	11	146	
TG50	Specimen				6170760N 354355E	White chert; bleached volcanic; white in colour; almost pure silica; very fine grained; approximately 10m thick.						
TG51	Specimen				6170765N 354345E	Platy light green siltstone.						
TG52R	Rock		Grab		6170775N 354375E	Sericitized white volcanic; 5-10% disseminated pyrite; highly iron stained; orange and yellow.	5	.1	39	2	17	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 7 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /%/oz. per tonne)					
						Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG53	Specimen				6170760N 354390E	Platy volcanic siltstone.						
TG54R	Rock		Grab		6170775N 354410E	Cu-stained platy volcanic siltstone, malachite, azurite.	7	1.0	5950	2	91	
TG55R	Rock		Grab		6170760N 35445E	Cu-stained platy volcanic siltstone.	48	.9	4246	3	77	
TG56	Specimen				6170755N 354480E	Sericitized white felsic volcanic.						
TG57R	Rock		Grab		6170760N 354520E	Cu-stained platy volcanic siltstone.	175	5.8	8823	6	48	
TG58	Specimen				6170845N 354755E	Fine porphyritic andesite; highly magnetic; minor patchy epidote.						
TG59R	Rock		Grab		6170460N 354720E	Completely sericitized volcanic; 5-10% disseminated pyrite.	38	.3	95	4	27	
TG60S	Soil				6170455N 354710E	At western edge of moderate gossan.	12	.6	132	12	86	
TG61R	Talus		Grab		6170435N 354720E	Granite porphyry.	1	.1	66	4	55	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 8 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG62R	Talus		Grab		6170435N 354720E	1/2 x 1/2 metre block of silicified volcanic.	1	2.7	382	13	2203	
TG63S	Soil				6170410N 354730E	50m from 60S.	20	.3	70	8	88	
TG64S	Soil				6170370N 354745E	100m from 60S.	35	.1	134	10	101	
TG65R	Talus		Grab		6170350N 354760E	Quartz-pyrite float; 3cm thick quartz vein.	2	.2	24	5	45	
TG66R	Rock		Grab		6170335N 354760E	2cm thick quartz-pyrite vein.	2	.7	27	46	56	
TG67S	Soil				6170315N 354760E	150m from 60S.	114	.2	113	14	84	
TG68R	Talus		Grab		6170300N 354765E	3cm thick quartz-pyrite float.	7	1.3	31	13	13	
TG69S	Soil				6170275N 354780E	200m from 60S.	26	.2	106	14	94	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 9 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /%/oz. per tonne)					
						Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG70S	Soil				6170240N 354815E	250m from 60S.	30	.5	263	10	141	
TG71R	Rock		Grab		6170240N 354815E	Highly sericitized volcanic; 5-10% disseminated pyrite.	1	.1	20	3	44	
TG72S	Soil				6170200N 354835E 354840E	300m from 60S.	29	.4	102	10	77	
TG74S	Soil				6170040N 354865E	1710m elevation.	59	.1	80	15	81	
TG75R	Talus		Grab		6170025N 354860E	Quartz-pyrite vein float.	6	.1	13	3	8	
TG76S	Soil				6169975N 354880E		68	.2	65	8	96	
TG77R	Talus		Grab		6169915N 354890E	Quartz-pyrite vein float.	1	.1	8	5	1	
TG78	Specimen				6169915N 354890E	Granite porphyry float.						

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 10 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /%/oz. per tonne)					
						Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG79S	Soil				6169850N 354920E		60	.2	95	13	116	
TG80S	Soil				6169800N 354925E		29	.2	108	11	103	
TG81	Specimen				6169970N 354390E	Coarse granite.						
TG83S	Soil				6170210N 354900E		2	.2	68	10	80	
TG84S	Soil				6170235N 354940E		25	.2	215	22	464	
TG85S	Soil				6170240N 354995E		46	.7	125	19	258	
TG86S	Soil				6170255N 355050E		55	.2	152	9	192	
TG87S	Soil				6170270N 355100E		54	.1	75	12	120	
TG88S	Soil				6170290N 355140E		32	.3	28	10	55	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 11 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG89R	Float		Grab		6170260N 355625E	Altered granite porphyry; 1-2% disseminated pyrite.	20	.1	62	3	11	
TG90R	Float		Grab		6170155N 355550E	Altered granite porphyry; 1-2% disseminated pyrite.	16	.1	16	9	93	
TG91S	Soil				6170060N 355400E	Start of traverse along 1575m.	175	1.2	26	7	46	
TG92S	Soil				6170040N 355350E	Elevation along Twin Ck valley.	68	.2	23	9	47	
TG93S	Soil				6170015N 355305E		1	.8	35	10	74	
TG94S	Soil				6169995N 355265E		4	.9	29	5	73	
TG95S	Soil				6169975N 355220E		13	.1	28	5	77	
TG96S	Soil				6169950N 355175E		21	2.0	30	13	62	
TG97S	Soil				6169925N 355135E		51	.5	41	11	117	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 12 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /%/oz. per tonne)					
						Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG98S	Soil				6169895W 355090E		56	2.0	63	27	146	
TG99S	Soil				6169865N 355055E		59	.7	58	33	255	
TG100R	Float		Grab		6169865N 355055E	Epidotized andesite, 3% disseminated pyrite float.	7	1.2	55	18	187	
TG101S	Soil				6169830N 355015E		31	1.5	112	51	176	
TG102S	Soil				6169805N 354975E	End of traverse along 1575m elevation.	295	.1	36	6	96	
TG103	Specimen				6168610N 354675E	Equigranular coarse textured granite.	13	.4	57	10	148	
TG104	Specimen				6168175N 354850E	Equigranular coarse textured granite.						
TG105	Specimen				6168115N 353620E	Equigranular coarse textured granite.						
TG106R	Rock		Grab		6169130N 355085E	Highly carbonated andesite near granite-volcanic contact.	11	.1	9	4	158	

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 13 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG107S	Soil				6169080N 355100E	Near granite-volcanic contact.	1	.1	75	25	213	
TG108S	Soil				6168975E 355110E	Near granite-volcanic contact.	245	.8	123	69	476	
TG109	Specimen				6168890N 355065E	Equigranular coarse textured granite.						
TG110S	Soil				6168855N 355145E	Near granite-volcanic contact.	81	.3	97	20	222	
TG111S	Soil				6168845N 355090E	Near granite-volcanic contact.	1	.1	2	8	48	
TG112R	Rock		Grab		6168825N 355220E	Highly carbonated, moderately fractured andesite.	1	.1	6	9	151	
TG113S	Soil				6168825N 355220E	Adjacent to 112R.	47	.6	156	68	379	
TG114S	Soil				6168760N 355295E	Near granite-volcanic contact.	1	.2	88	32	390	
TG115S	Soil				6168695N 355275E	Near granite-volcanic contact.	24	1.1	116	142	673	

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 14 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG116R	Rock		Grab		6168695N 355275E	Completely bleached white andesite.	3	.6	18	163	249	
TG117S	Soil				6168435N 355190E	Moderate gossanous soil in granite.	6	.1	26	9	72	
TG118S	Soil				6168370N 355160E	Moderate gossanous soil in granite.	1	.1	27	4	30	
TG119S	Soil				6168330N 355140E	Moderate gossanous soil in granite.	1	.1	18	11	54	
TG120S	Soil				6168105N 355900E	Start of series of soil samples from the top of the ridge overlooking the TRS Grid.	1	.1	96	7	71	
TG121S	Soil				6168120N 355845E		2	.1	37	6	49	
TG122S	Soil				6168125N 355800E		3	.6	40	9	67	
TG123S	Soil				6168135N 355750E		1	.6	33	8	69	
TG124S	Soil				6168145N 355700E		3	.1	169	10	65	

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 15 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG125S	Soil				6168160N 355650E		45	.1	62	13	90	
TG126S	Soil				6168190N 355605E		10	.1	172	3	61	
TG127S	soil				6168220N 355560E		11	.1	68	6	53	
TG128S	Soil				6168255N 355525E		16	.1	124	14	81	
TG129S	Soil				6168300N 355495E		24	.1	39	8	67	
TG130S	Soil				6168345N 355475E		8	.1	24	9	57	
TG131S	Soil				6168395N 355445E		5	.1	39	9	54	
TG132S	Soil				6168450N 355430E		86	.2	306	84	73	
TG133S	Soil				6168500N 355440E	End of traverse along ridge.	128	.1	205	13	63	

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 16 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG134R	Rock		Grab		6168515N 355445E	Altered granite porphyry.	19	.1	15	11	41	
TG135S	Soil					Start of traverse along ridge overlooking the TRS Grid.	12	.3	67	6	85	
TG136S	Soil						5	.1	71	20	61	
TG137R	Talus		Grab			White completely bleached volcanic; moderate iron staining.	30	.3	37	12	32	
TG138S	Soil						93	.2	169	19	101	
TG139R						White quartz float; vuggy; no sulphides.	128	.1	16	7	55	
TG140S	Soil						31	.1	189	16	112	
TG141S	Soil						30	.1	63	18	203	
TG142S	Soil						15	.1	92	19	234	
TG143S	Soil											
TG144S	Soil						113	.1	38	15	187	
TG145S	Soil						37	.8	478	32	665	
TG146S	Soil						560	.2	33	15	114	

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 17 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG147S	Soil						32	.1	24	20	103	
TG148S	Soil					Nearby outcrop of granite porphyry.	65	.1	24	46	125	
TG149R	Rock		Grab			Granite porphyry; very coarse texture; large 1cm feldspar and quartz phenocrysts.	1	.1	2	2	29	
TG150S	Soil					Nearby andesite outcrop.	76	.1	40	6	120	
TG151S	Soil					Granite porphyry talus.	8	.1	18	13	66	
TG152S	Soil					Andesite porphyry.	265	.5	117	31	347	
TG153S	Soil						305	.2	360	38	569	
TG154S	Soil						33	.2	316	42	69	
TG155S	Soil						150	.5	298	235	1307	
TG156S	Soil						6	.1	111	40	160	
TG157S	Soil						34	.1	105	25	123	
TG158S	Soil						77	.1	191	317	1193	
TG159	Specimen					Fine porphyritic andesite, speckled white.						

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 18 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /%/oz. per tonne)					
						Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG160	Specimen					Fine grained porphyritic andesite.						
TG161	Specimen					Fine grained basaltic tuff.						
TG162	Specimen					Granite porphyry float.						
TG163	Specimen					Porphyritic andesite; fine to medium texture.						
TG164	Specimen					Fine to medium textured andesite porphyry.						
TG165	Specimen					Fine to medium textured andesite porphyry.						
TG166R	Talus		Grab			Malachite stained andesite porphyry.	16	4.6	5027	2	102	
TG167	Specimen					Fine to medium andesite porphyry; augite phenocrysts.						
TG168S	Soil						4	.1	173	20	184	
TG169	Specimen					Very crowded andesite porphyry; white speckled appearance from abundant white feldspar phenocrysts; fine to medium textured.						
TG170	Specimen					Fine andesite porphyry; white speckled appearance due to abundant white feldspar phenocrysts.						
TG171R	Talus		Grab			Bleached andesite with 1% disseminated pyrite.	3	.1	63	3	14	

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 19 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG172	Specimen					Fine andesite porphyry; white speckled appearance; abundant white feldspar and augite phenocrysts; black fine grained basalt.						
TG173	Specimen											
TG174	Specimen					Fine textured andesite porphyry.						
TG175S	Soil						1	.1	104	27	89	
TG176S	Soil					Start of traverse between TRE Grid and TRN Grid. Start of TRB Gridline.	103	.6	300	15	104	
TG177S	Soil						18	.1	153	16	99	
TG178S	Soil						9	.5	114	17	118	
TG179S	Soil						7	.3	88	13	83	
TG180S	Soil						20	.8	126	17	116	
TG181S	Soil						89	.1	122	13	85	
TG182S	Soil						49	.2	37	14	88	
TG183S	Soil						25	.7	124	13	156	

TAKLA-RAINBOW PROJECT
REGIONAL MAPPING 1:5000
PAGE 20 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (p.p.m. /%/oz. per tonne)					
						Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG184S	Soil						15	.1	58	7	128	
TG185S	Soil						6	.3	98	12	156	
TG187S	Soil						8	.5	39	14	93	
TG188S	Soil						7	.6	61	14	89	
TG189S	Soil						16	.1	78	8	98	
TG190S	Soil						48	.5	84	10	146	
TG191S	Soil						24	.4	41	5	54	
TG192S	Soil					End of traverse at TRN Grid.						
TG193S	Soil					Moderate gossanous soil.	185	.9	902	85	93	
TG194R	Rock		Grab			Highly carbonated granite porphyry with 1cm thick quartz-pyrite veins.	2	.1	58	7	21	
TG195R	Talus		Grab			Quartz-pyrite float near 194R.	9	.1	96	5	22	
TG196R	Talus		Grab			Quartz-pyrite-malachite float near 194R.	198	.2	1241	4	19	
TG197	Specimen					Porphyry copper mineralization; magnetic crystals along fracture surface.						

TAKLA-RAINBOW PROJECT
 REGIONAL MAPPING 1:5000
 PAGE 21 of 21

Sample Number	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel	Sample Length, Width, Area	Latitude, Longitude and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation, Mineralization, etc.	RESULTS (p.p.m. /%/oz. per tonne)					
							Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Au oz/tn
TG198	Specimen					Very coarse textured, very mafic diorite.						
TG199	Specimen					Diorite fresh unaltered; fine textured.						
TG200	Specimen					Equigranular, medium textured grandiorite, perhaps border phase with diorite.						
TG201	Specimen					Equigranular grandiorite; occasional slight pinkish tinge to phenocrysts.						
TG202S	Soil						65	1.0	213	15	116	

A P P E N D I X I V

I P SURVEY DATA

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 1400

"A": 25.0 METRES

N=1 TO 5

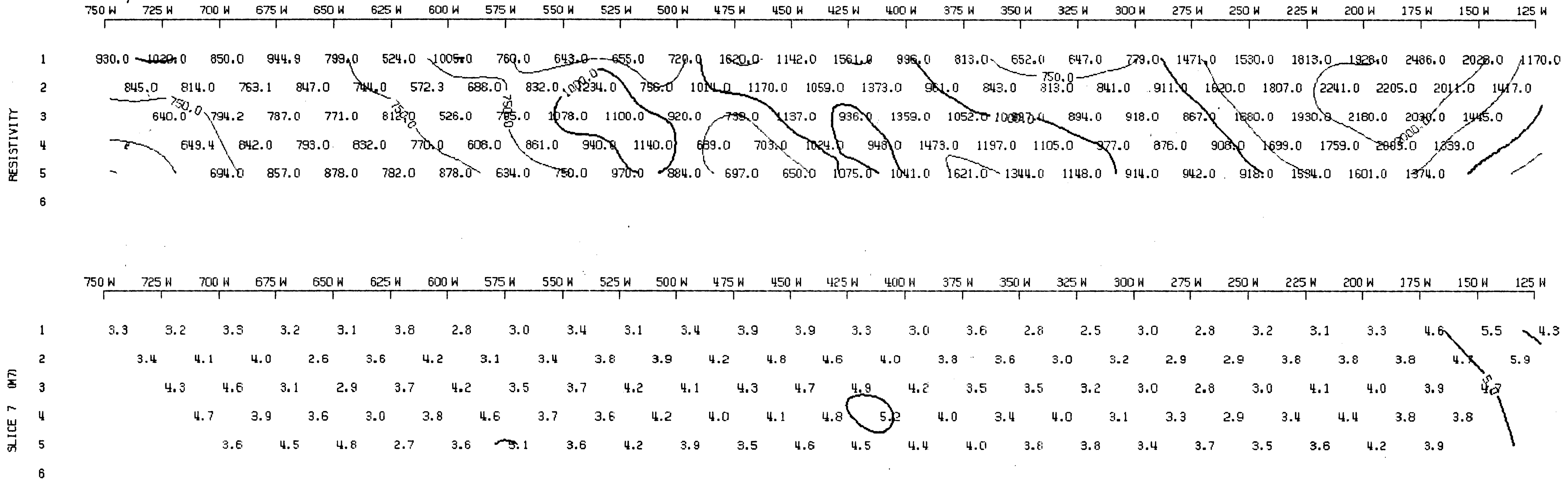
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TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



GEOLOGICAL BRANCH ASSESSMENT REPORT

16,759

Sheet 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 1300

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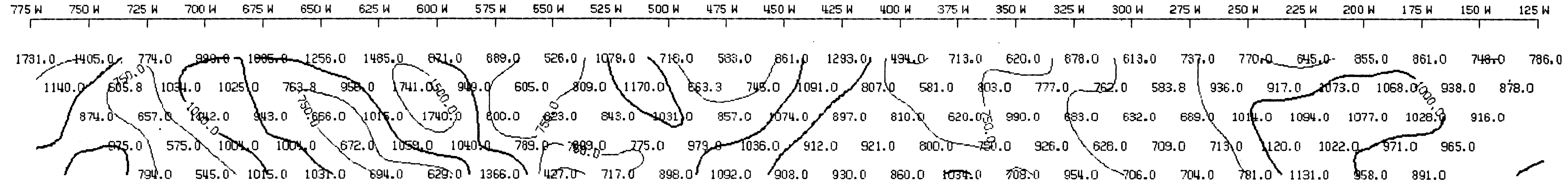
N=1 TO 5

SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY

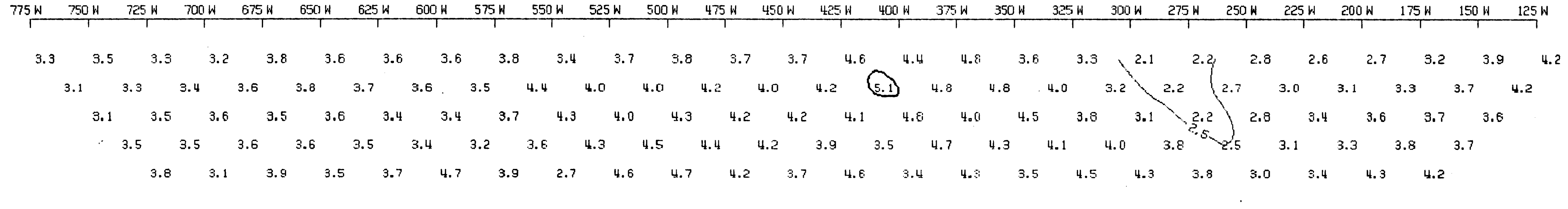
TX. PULSE TIME: 2.0 SEC
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

RESISTIVITY



SLICE 7 (M7)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759

Plot 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 1200

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N=1 TO 5

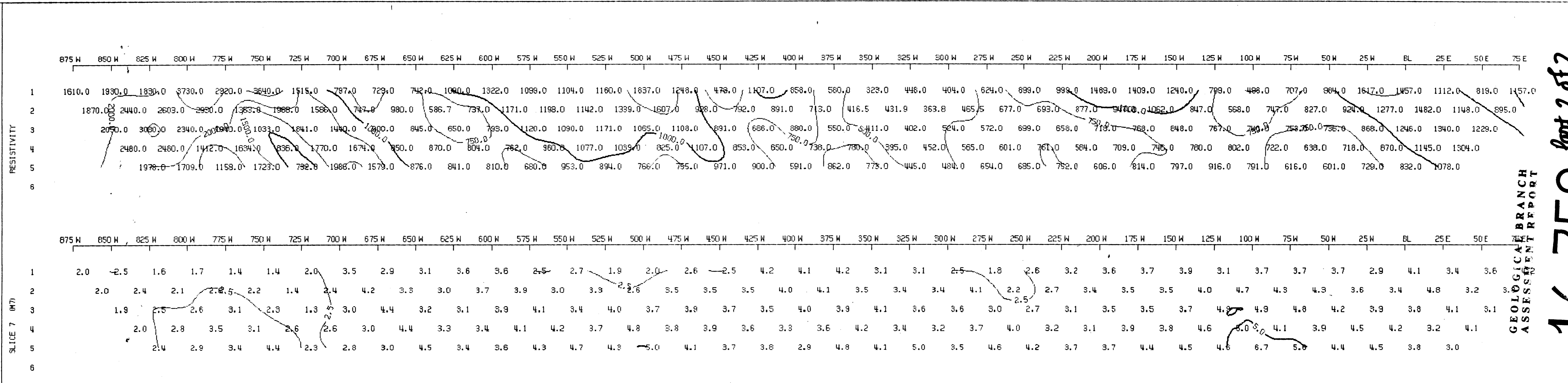
SCINTREX IPR-11 RECEIVER

TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



GEOLOGICAL BRANCH ASSESSMENT REPORT

16,759 part 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 1100

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N=1 TO 5

SCINTREX IPA-11 RECEIVER

TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY

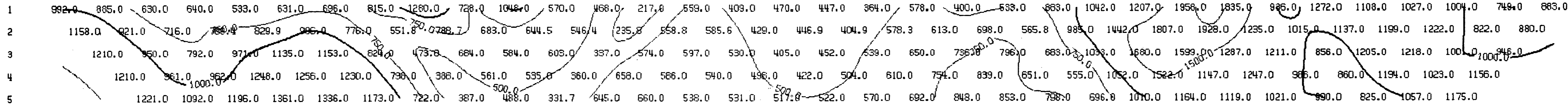
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

RESISTIVITY

SLICE 7 (M7)

800 W 775 W 750 W 725 W 700 W 675 W 650 W 625 W 600 W 575 W 550 W 525 W 500 W 475 W 450 W 425 W 400 W 375 W 350 W 325 W 300 W 275 W 250 W 225 W 200 W 175 W 150 W 125 W 100 W 75 W 50 W 25 W BL 25 E



800 W 775 W 750 W 725 W 700 W 675 W 650 W 625 W 600 W 575 W 550 W 525 W 500 W 475 W 450 W 425 W 400 W 375 W 350 W 325 W 300 W 275 W 250 W 225 W 200 W 175 W 150 W 125 W 100 W 75 W 50 W 25 W BL 25 E



GEOLOGICAL BRANCH

ASSESSMENT REPORT

16,759

Part 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 1000

"A": 25.0 METRES

N=1 TO 5

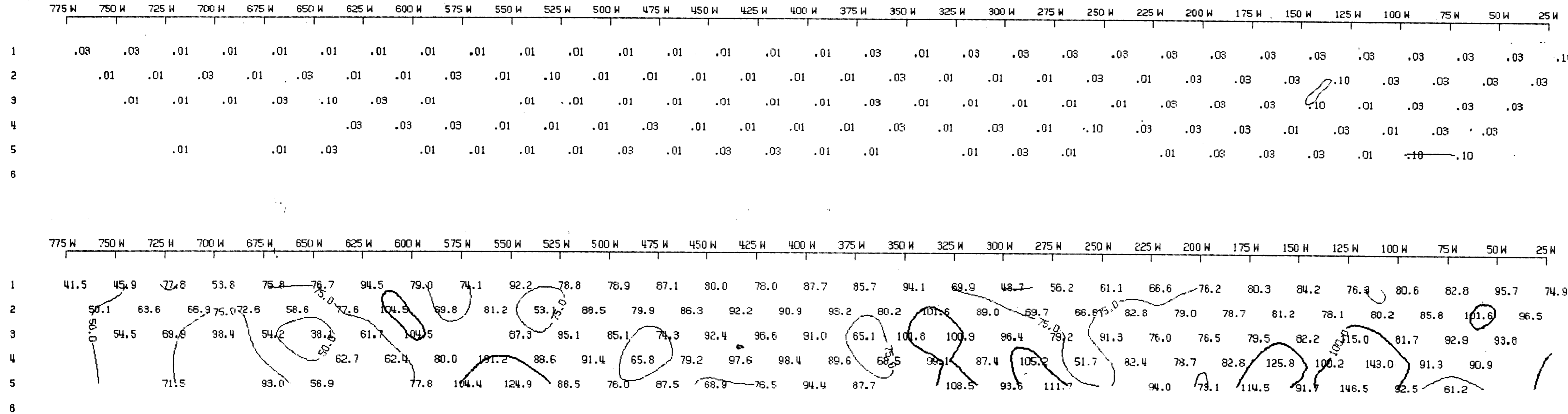
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY

TX PULSE TIME: 2.0 SEC
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

IP COLE-COLE "M" (MV/V)

IP TRU (SEC)



GEOLOGICAL BRANCH ASSESSMENT REPORT

16,759
Part 2 of 2

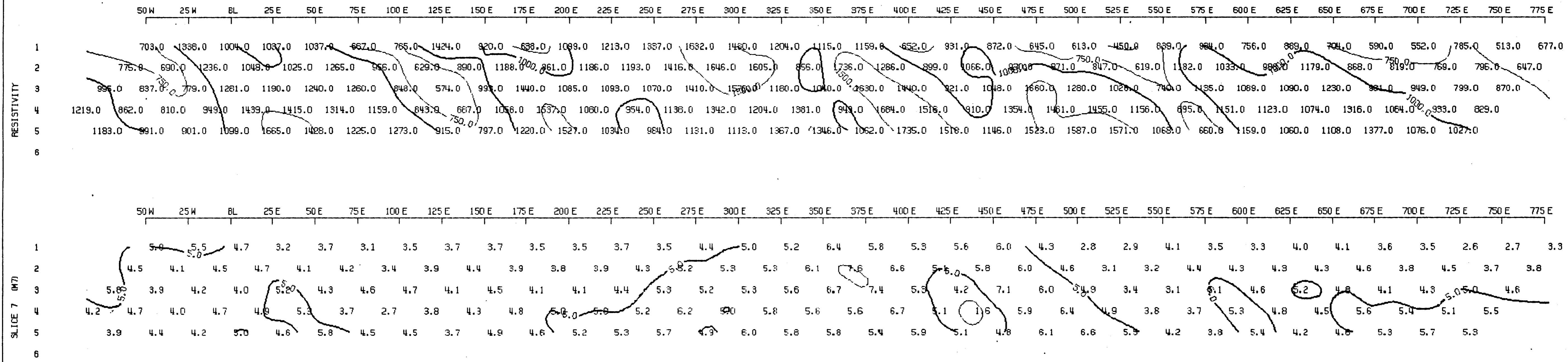
IMPERIAL METALS CORPORATION

TAKLA RAINBOW GRID

"A": 25.0 METRES
 LINE NUMBER: 900
 N=1 TO 5

SCINTREX IPR-11 RECEIVER
 POLE-DIPOLE ARRAY
 TX PULSE TIME: 2.0 SEC
 RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



GEOLOGICAL BRANCH
 ASSESSMENT REPORT

16,759
 Part 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 800

"A": 25.0 METRES

N=1 TO 5

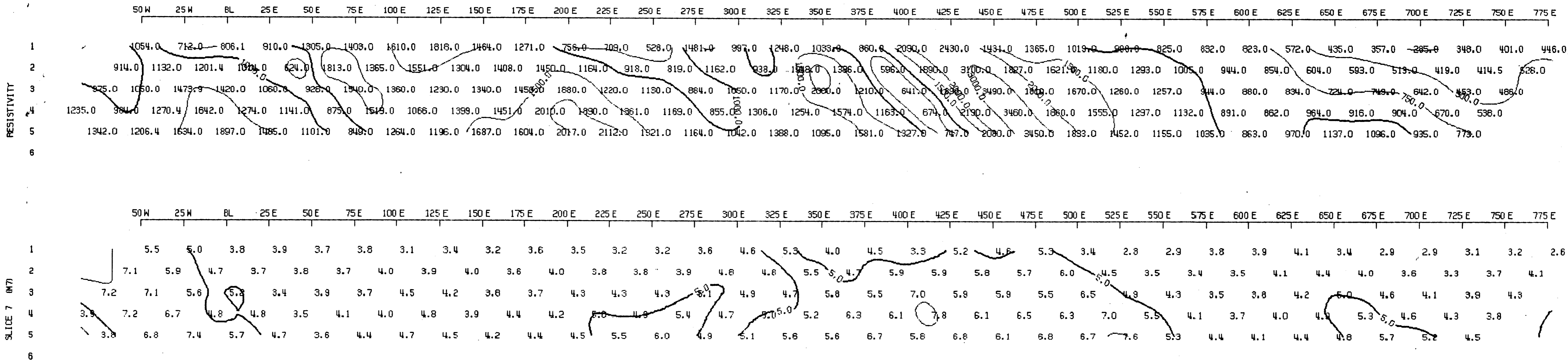
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TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



GEOLOGICAL BRANCH ASSESSMENT REPORT

16,759
Part 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 800

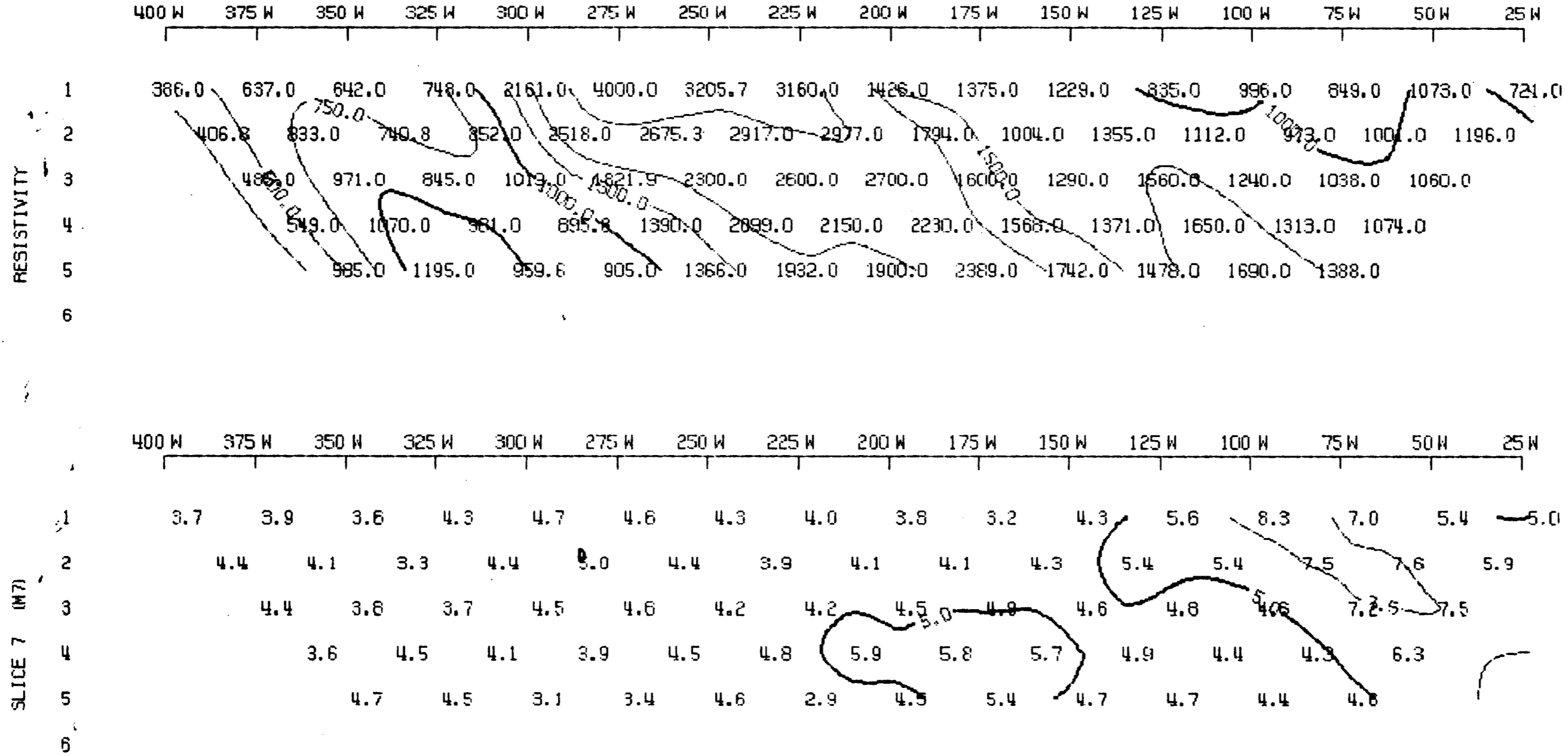
"A": 25.0 METRES

N=1 TO 5

SCINTREX IPA-11 RECEIVER
POLE-DIPOLE ARRAY

TX PULSE TIME: 2.0 SEC
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759
Part 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 700

"A": 25.0 METRES

N=1 TO 5

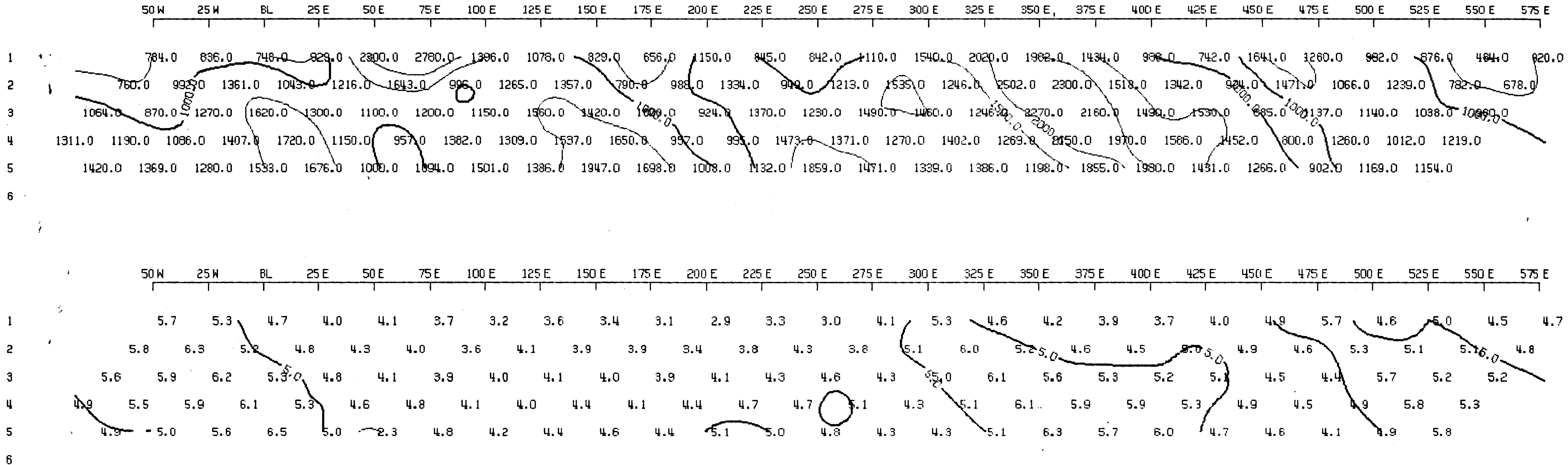
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY

TX PULSE TIME: 2.0 SEC
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

RESISTIVITY

SLICE 7 (M7)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759

Part 2 of 2

IMPERIAL METALS CORPORATION

TAKLA RAINBOW SOUTH GRID

LINE NUMBER: 700

"A": 25.0 METRES

N=1 TO 5

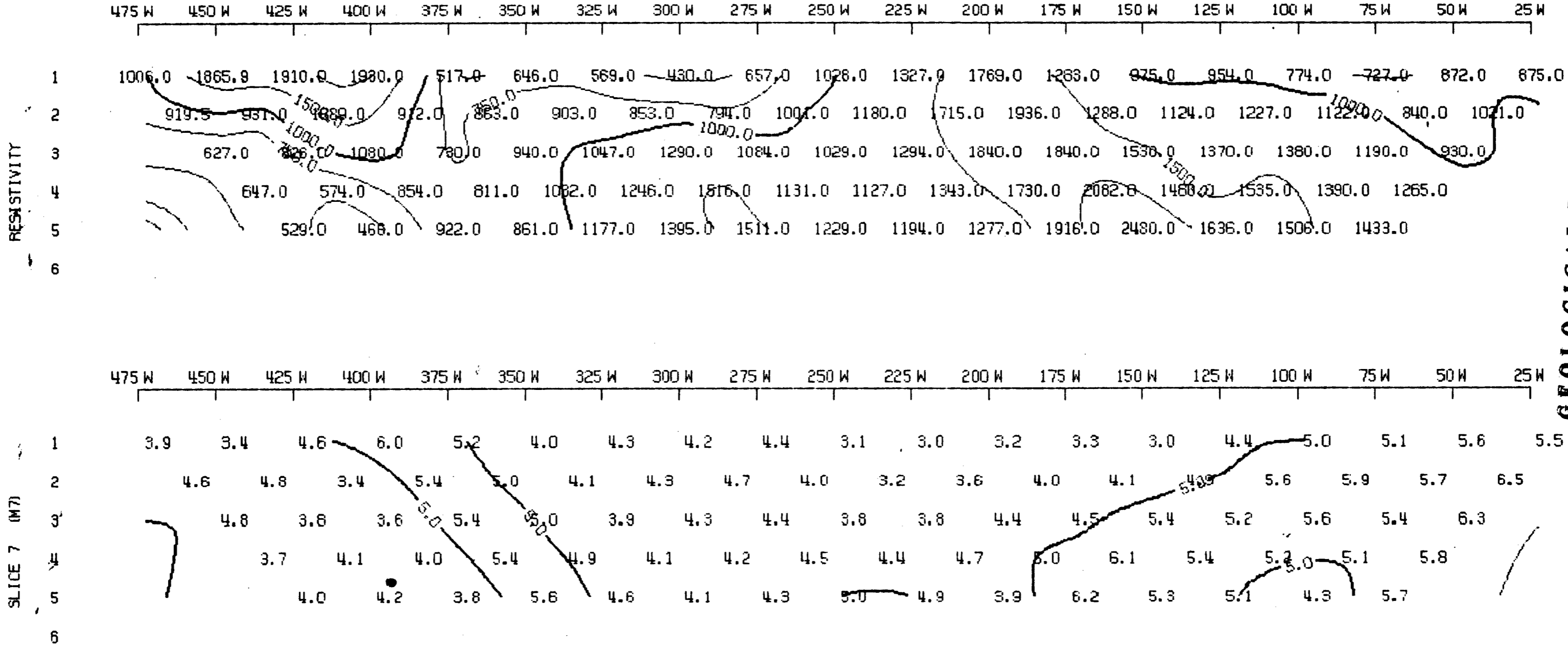
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POLE-DIPOLE ARRAY

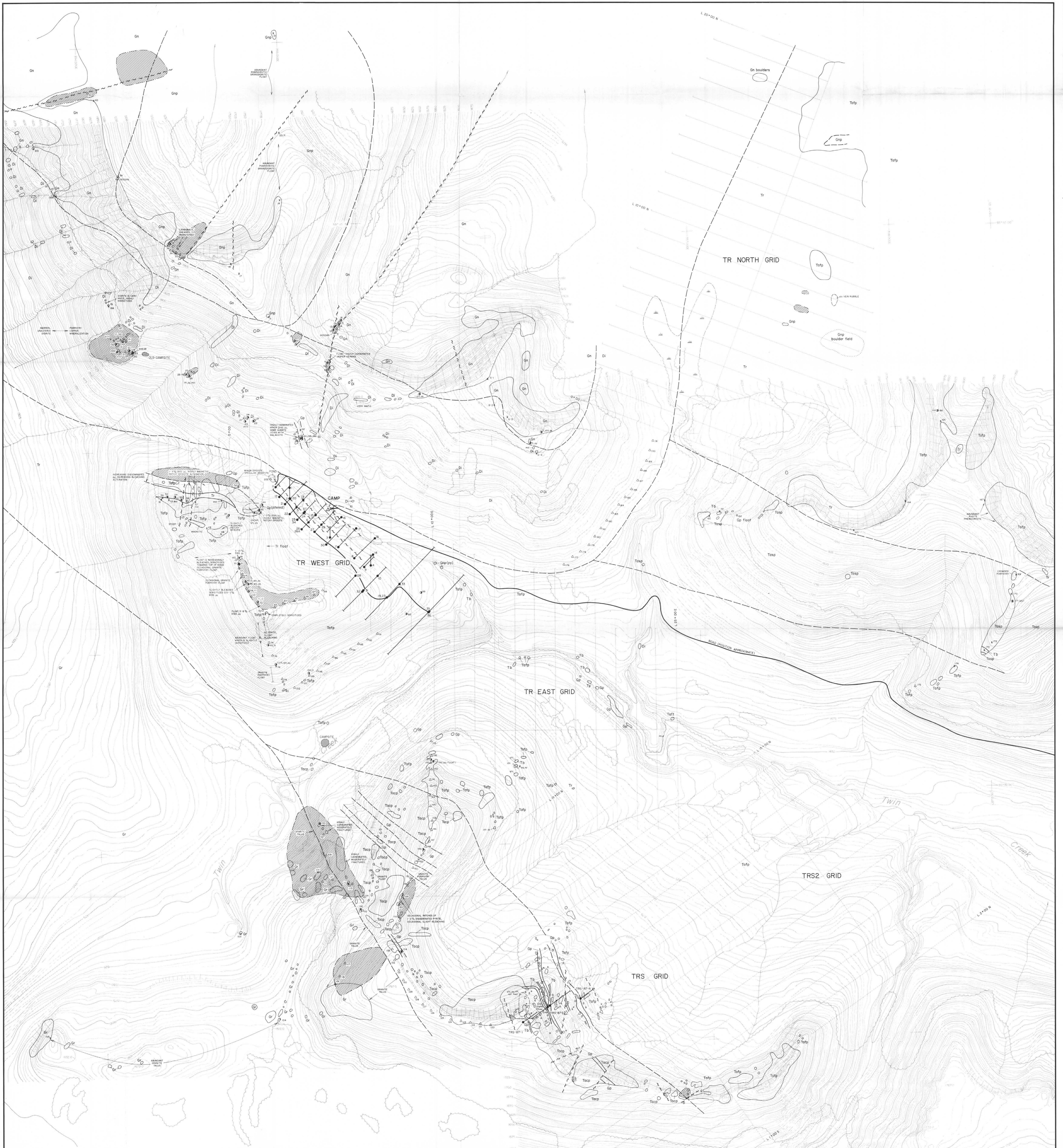
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,759
Sheet 2 of 2



- VOLCANICS**
- Takla Group (Upper Triassic - Lower Jurassic)**
 - Td** Andesite, medium to coarse grained, porphyritic. Includes minor agglomerates, breccias and lapilli tuffs. Characterized by plagioclase, hornblende and augite phenocrysts to 2 cm, horizons of agglomerate and breccias contain volcanic clasts to 50 cm across, massive, grey weathering with minor visible bedding, occasional thin (1-5 m) basalt flows, ridges, tuffs and fine grained porphyritic flows.
 - Tdp** Andesite, fine to medium grained, porphyritic, plagioclase and hornblende phenocrysts to 2mm across, volcanic clasts to 0.5 cm, includes thin basaltic flows and fine grained tuffs.
 - Tdp** Andesite, medium grained porphyritic, speckled appearance due to white plagioclase phenocrysts, massive flows.
 - Tb** Basalt, dark green and black, generally confined to thin (1-5 m) massive and amagmoidal flows and tuffs.
 - Tr** Rhyolite, white, completely sintered, pyritic (5-10% disseminated pyrites).

LEGEND

- INTRUSIVES**
- Hosem Batholith (Triassic - Lower Cretaceous)**
 - Gf** Granite, coarse grained with abundant large 4-8mm and quartz phenocrysts, predominantly pinkish in colour.
 - Gp** Porphyritic granite, pinkish in colour, characterized by abundant 4-8mm phenocrysts to 1cm across, lesser quartz phenocrysts, occasionally pyritic (1-3% disseminated pyrite), slightly sinterized locally.
 - Gn** Granodiorite, equigranular, medium grained, predominantly white in colour.
 - Gnd** Porphyritic granodiorite, coarse grained, white and grey, abundant large plagioclase and quartz phenocrysts to 1cm across.
 - Di** Diorite, equigranular, medium grained, mafic content is variable, locally almost completely composed of mafic minerals, speckled appearance with interbedded white plagioclase and black mafic minerals, locally contains porphyry copper mineralization consisting of disseminated sulphides and/or malachite along fractures.

SYMBOLS

- GEOLOGICAL CONTACT - DEFINED, APPROXIMATE
- OUTCROP
- ~ ~ ~ FAULT
- ◆ MINERALIZATION (PYRITE, CHALCOPYRITE, SPHALERITE, MALACHITE)
- ROCK SPECIMEN
- ROCK SAMPLE
- SOL SAMPLE
- GOSSAN
- SWAMP
- ◆ DIAMOND DRILL HOLE

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,759

Part 2 of 2

CATHEDRAL GOLD CORPORATION
TAKLA RAINBOW

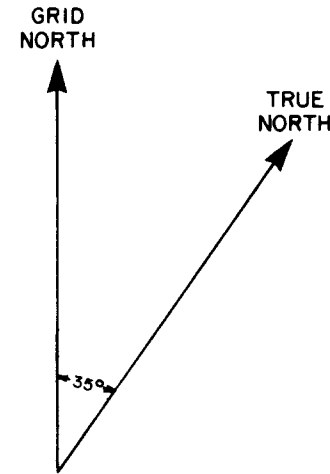
FIGURE 4 NTS 93N/11W

PROPERTY GEOLOGY

metres 0 100 200 300 400 500

SCALE: 1:5000 GEOLOGIST: D. GORC, R. PESALJ

DATE: FEBRUARY, 1988 DRAWN BY: J. CORKUM



7W

6W

5W

4W

3W

L. 12+00 N

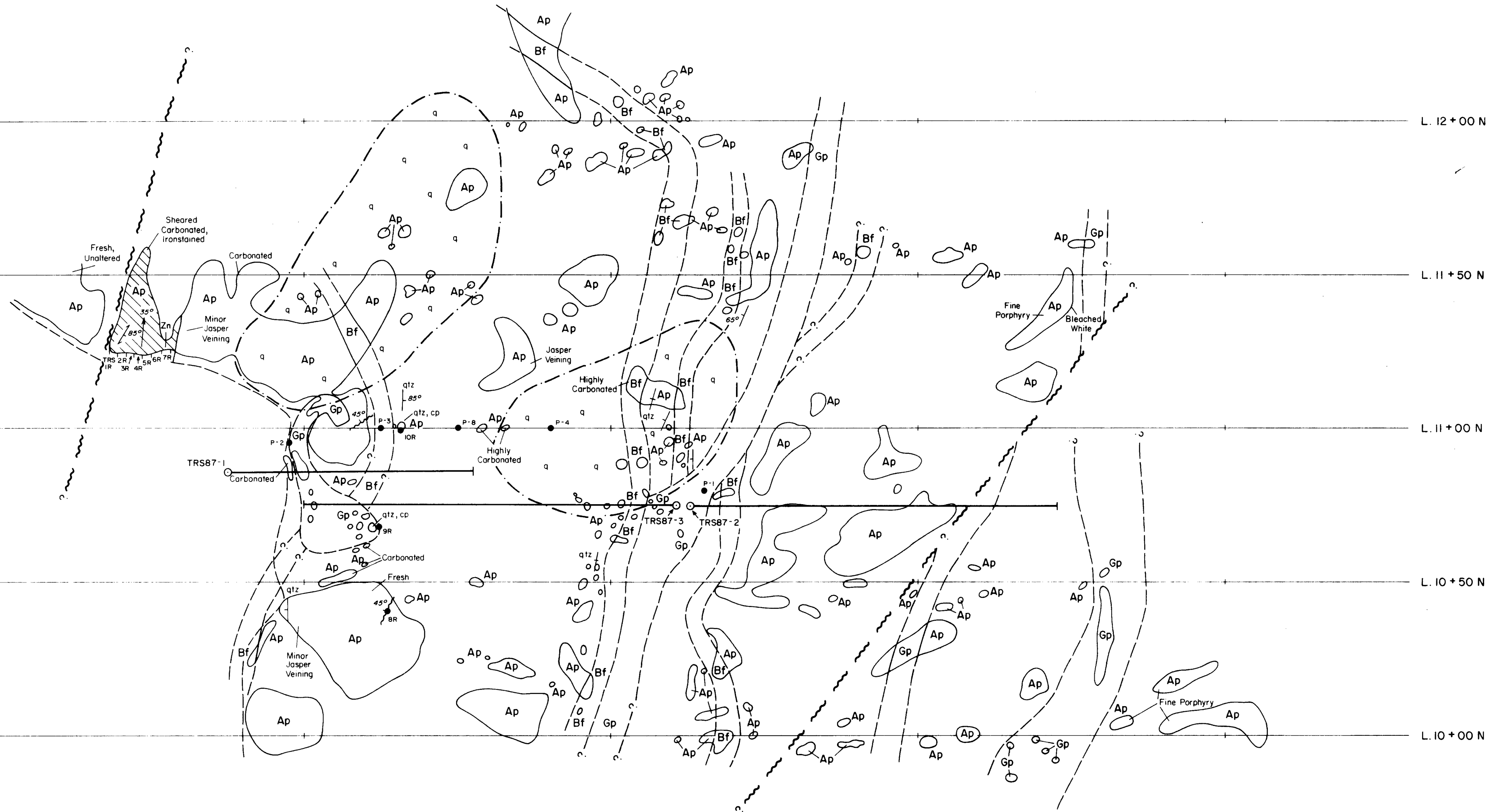
L. 11+50 N

L. 11+00 N

L. 10+50 N

L. 10+00 N

L. 9+50 N



LEGEND

- Ap** **ANDESITE**
PORPHYRITIC, WHITE FELDSPAR PHENOCRYSTS TO 0.5 cm;
MASSIVE; GREY WEATHERING, WEST OF APPROXIMATELY GRID
LOCATION 5W VOLCANIC AGGLOMERATES AND COARSE
PORPHYRIES PREDOMINATE; EAST OF GRID LOCATION 5W FINER-
GRAINED PORPHYRIES PREDOMINATE
- Bf** **BASALT**
BLACK, FINE- GRAINED TEXTURE, WELL BEDDED; SOME HORIZONS
ARE PORPHYRITIC SUGGESTING FLOW ROCKS; MOST HORIZONS
APPEAR TO BE TUFFS
- Gp** **GRANITE PORPHYRY**
LARGE WHITE FELDSPAR PHENOCRYSTS TO 1 cm; LESSER QUARTZ
PHENOCRYSTS; OCCASIONAL MEGACRYSTS OF ORTHOCLASE;
OCCASIONAL SERICITE - CARBONATE ALTERATION; OCCASIONAL
1-2% DISSEMINATED PYRITE

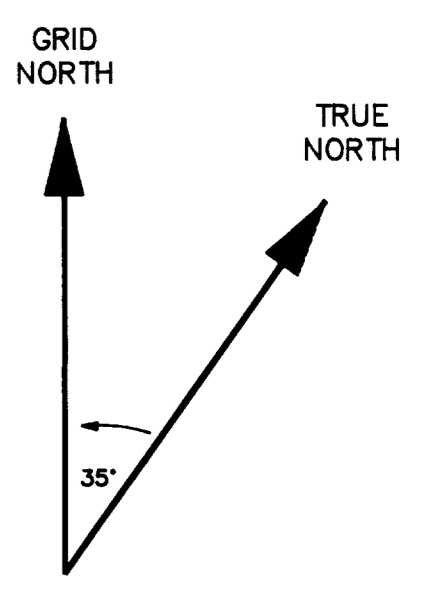
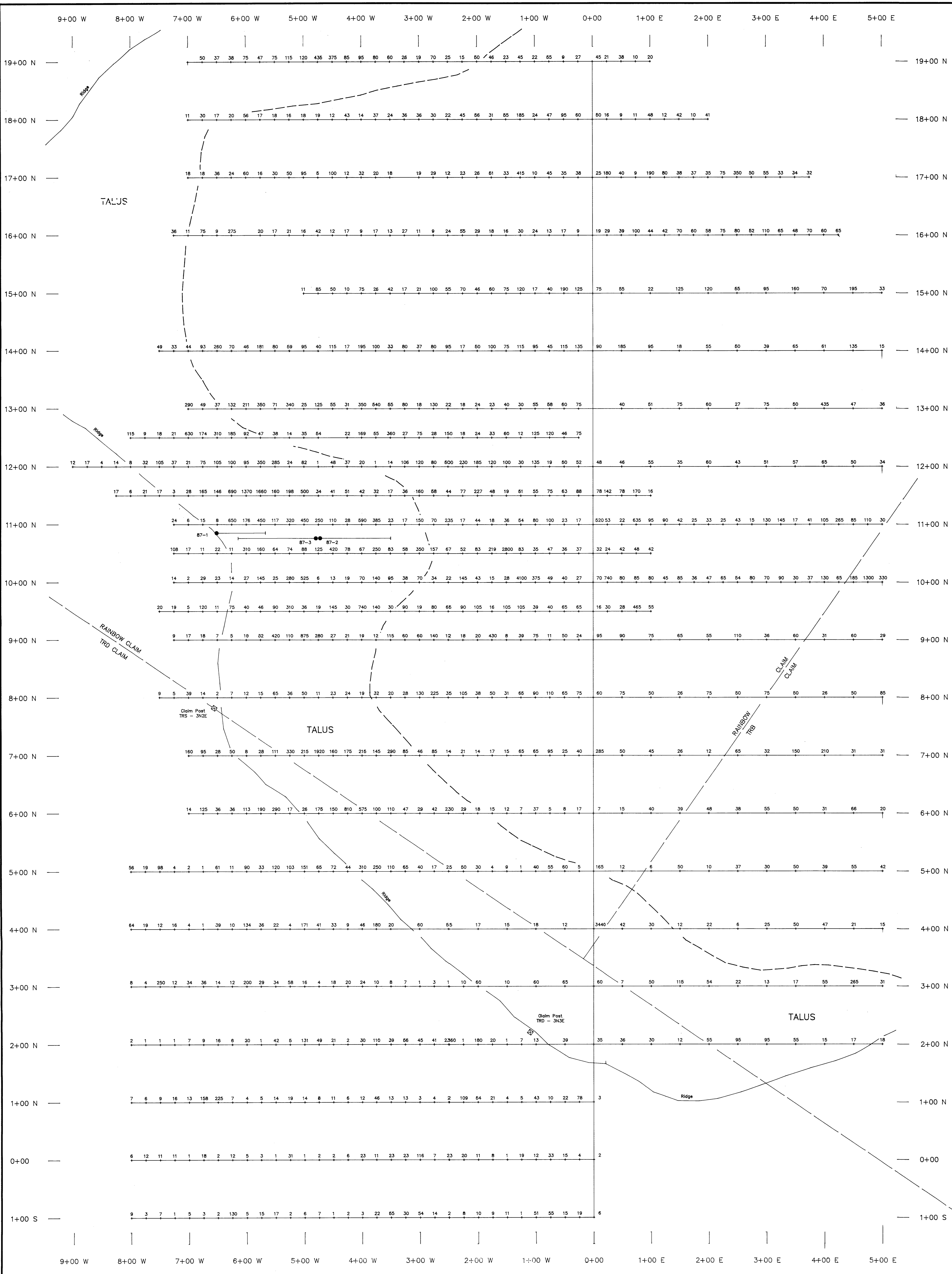
NOTE: MUCH OF THE VOLCANIC ROCK WITHIN THE MAP AREA HAS BEEN AFFECTED BY CARBONATE ALTERATION. IN HAND SPECIMEN SUCH ROCK HAS A BROWNISH APPEARANCE SUGGESTING HIGH IRON CARBONATE CONTENT. TO A MUCH LESSER EXTENT THERE ALSO APPEARS TO BE HEMATITE ALTERATION WHICH IS SEEN AS DISSEMINATED FLECKS AND ALONG FRACTURES AS WELL AS OCCASIONAL RED JASPER VEINLETS.

- OUTCROP**
- ZONE OF INTENSE SHEARING**
- GEOLOGICAL CONTACT - DEFINED, APPROXIMATE**
- FAULT**
- QUARTZ VEIN**
- BEDDING, STRIKE AND DIP**
- ABUNDANT QUARTZ FLOAT, OCCASIONALLY WITH CHALCOPYRITE, RARELY WITH GALENA**
- ROCK SAMPLE LOCATION**
- CHANNEL SAMPLE LOCATION**
- DIAMOND DRILL HOLE**

16,759
 Part 2 of 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 5	N.T.S. 93N/11W
TRS GRID DETAIL GEOLOGY	
SCALE: 1:1000	GEOLOGIST: D. GORC
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM



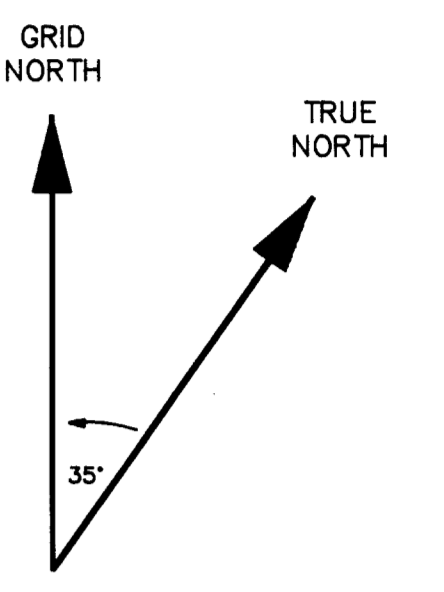
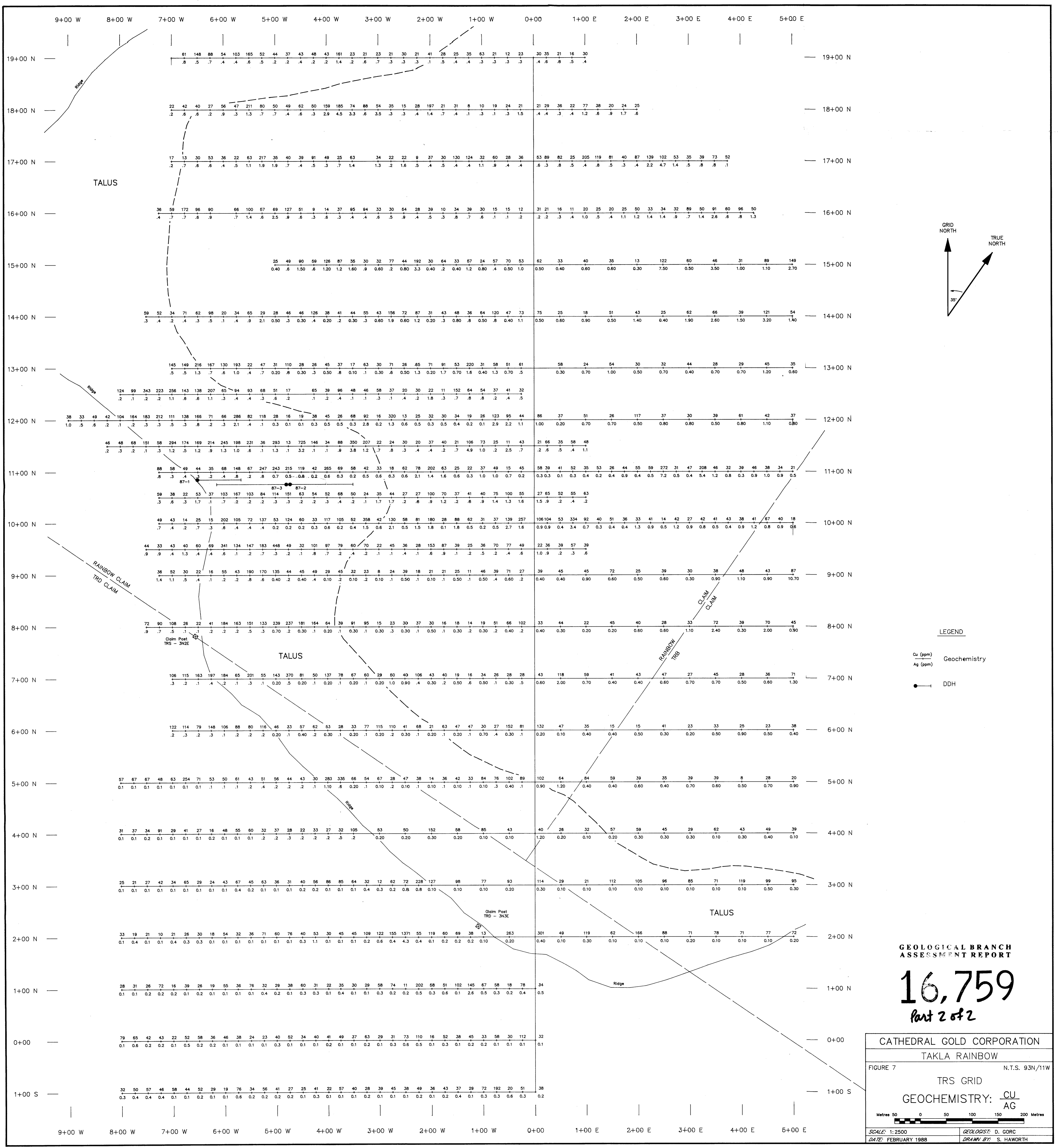
LEGEND

- Au (ppb) Geochemistry
- DDH

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,759
Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 6	N.T.S. 93N/11W
TRS GRID	
GEOCHEMISTRY: AU	
Metres 50 0 50 100 150 200 Metres	
SCALE: 1:2500	GEOLOGIST: D. GORC
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



LEGEND

● (ppm) Geochemistry
 ● (ppm) Ag
 ● DDH

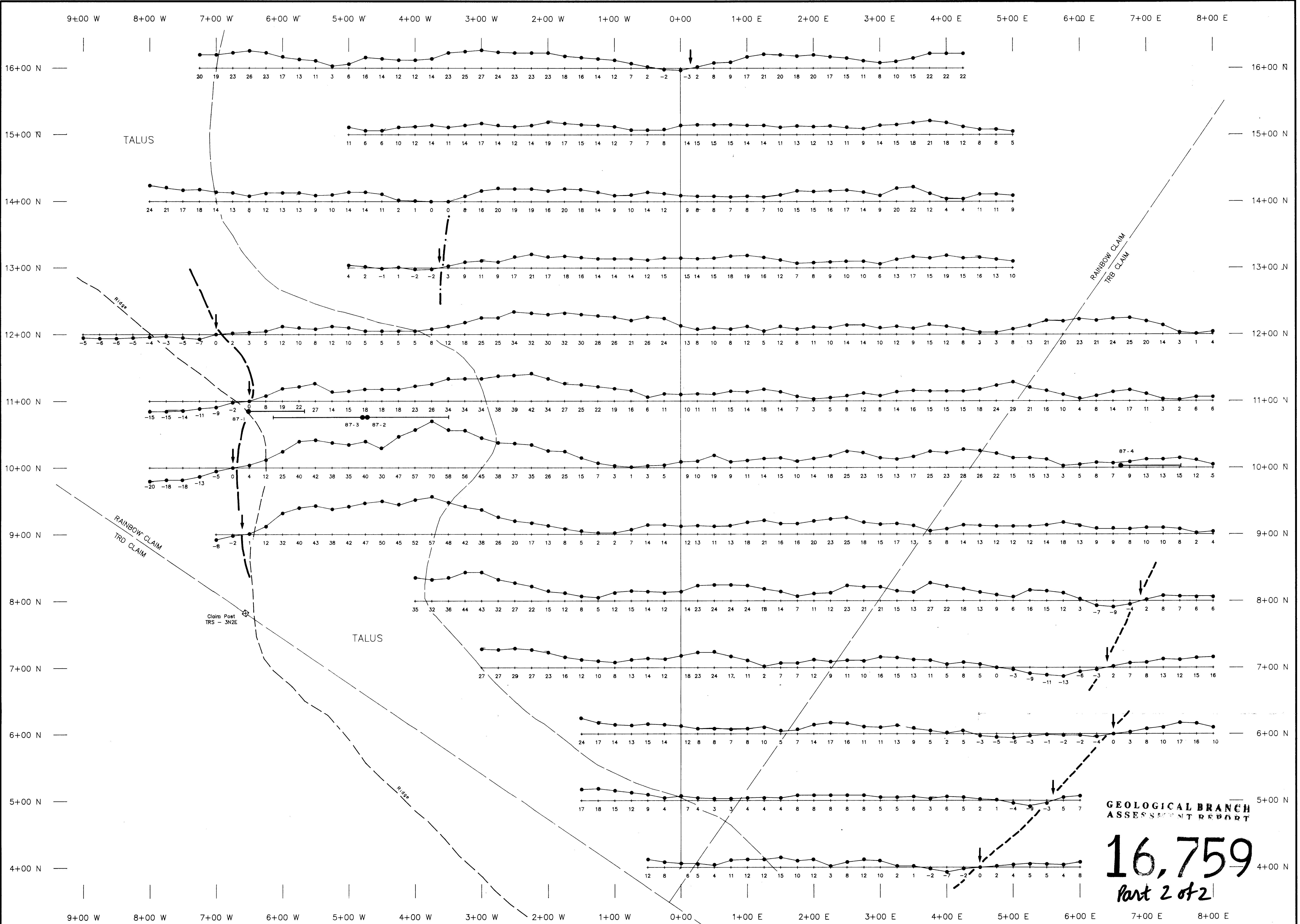
**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

16,759
Part 2 of 2

CATHEDRAL GOLD CORPORATION
 TAKLA RAINBOW
 FIGURE 7 N.T.S. 93N/11W
 TRS GRID
 GEOCHEMISTRY: CU
AG

Metres 0 50 100 150 200

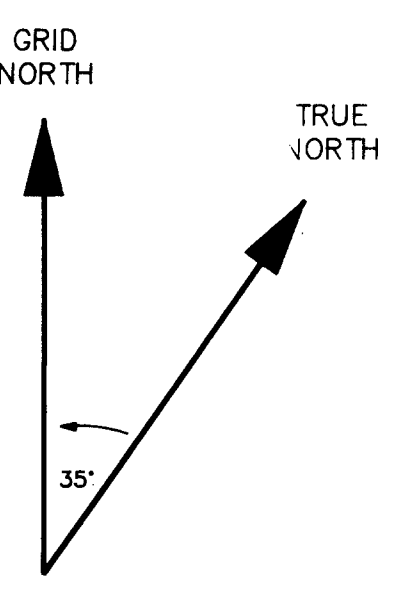
SCALE: 1:2500
 DATE: FEBRUARY 1988
 GEOLOGIST: D. GORC
 DRAWN BY: S. HAWORTH



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,759

Part 2 of 2



LEGEND

- VLF
- Weak conductor axis
- Moderate conductor axis
- Strong conductor axis
- Cross-over

NOTES:
 All readings taken facing West.
 Instrument: EM 16
 Signal: Seattle, Wa. (24.8 KHz)
 Operator: J. Walker
 Date: July 18, 1987

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 8	N.T.S. 93N/11W
TRS GRID VLF SURVEY	
SCALE: 1:2500	GEOLOGIST: D. GORC
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH

SW

NE

TRS 87-1

TRS 87-3

TRS 87-2







GEOLOGICAL BRANCH
ASSESSMENT REPORT


16,759
Part 2 of 2

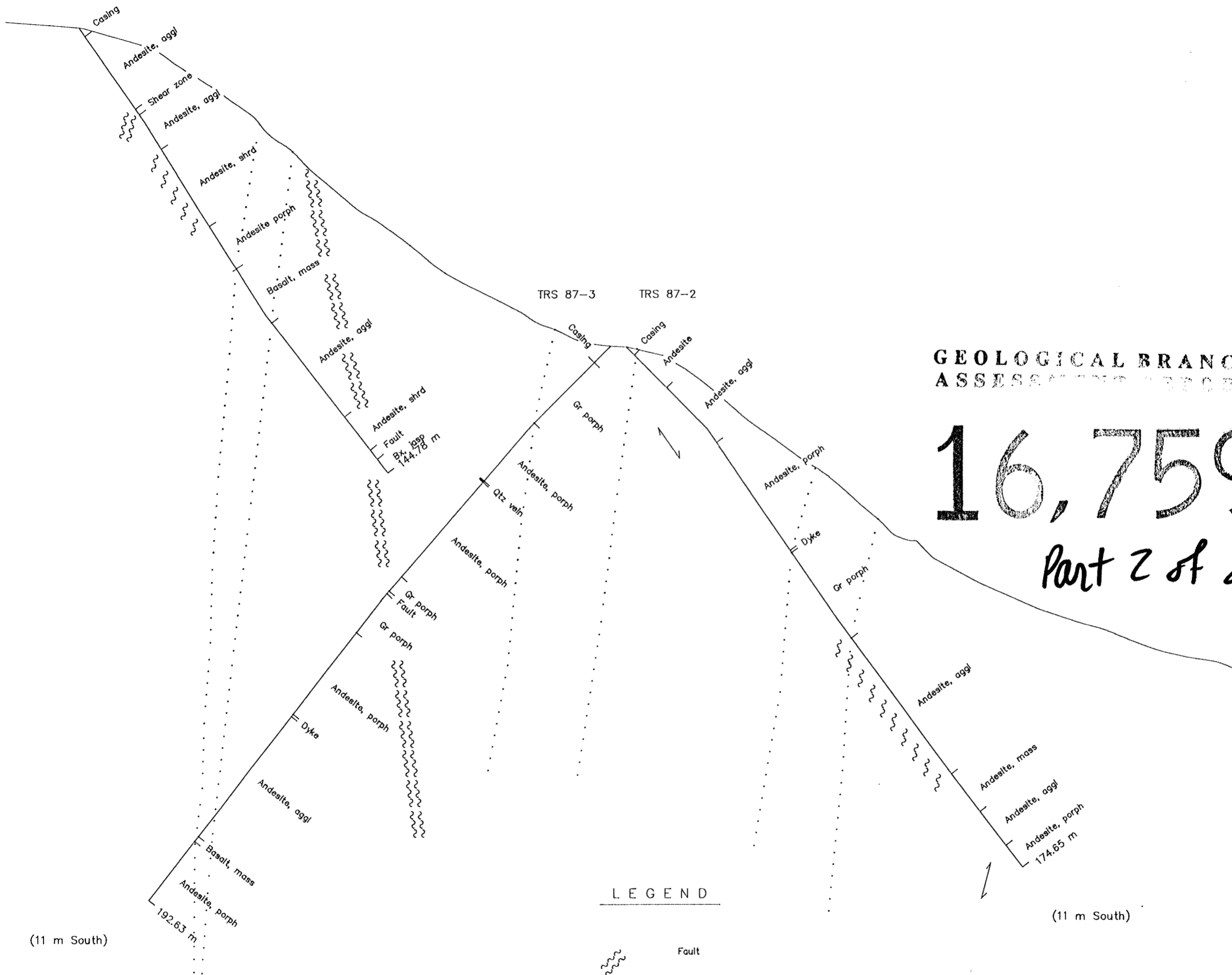
(11 m South)

(11 m South)

LEGEND

-  Fault
-  Foliation
-  Vein
-  Assay
Au (oz/ton)
Width (m)
-  Quartz vein intersection
-  Geological contact, assumed

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 9	N.T.S. 93N/11W
TRS GRID	
SECTION 10+86 N	
	
SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH

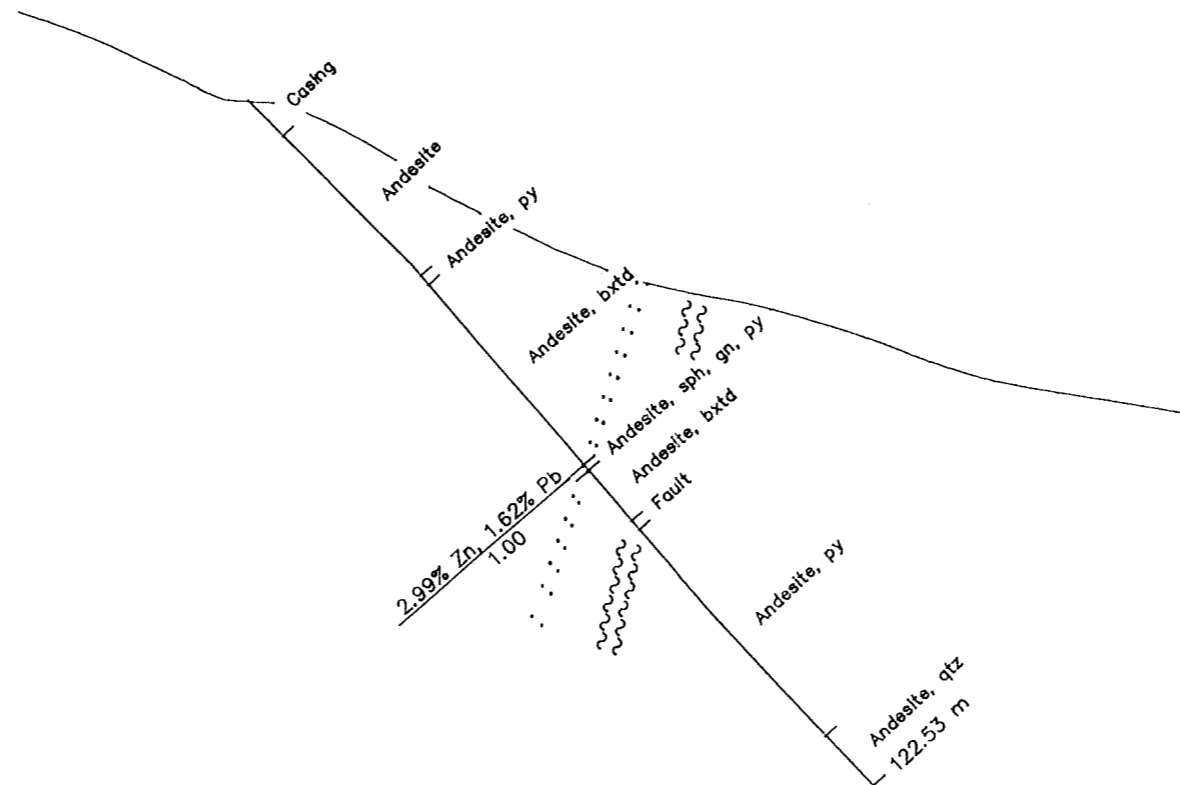


4+00 W

3+00 W

2+00 W

TRS 87-4










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ASSESSMENT REPORT

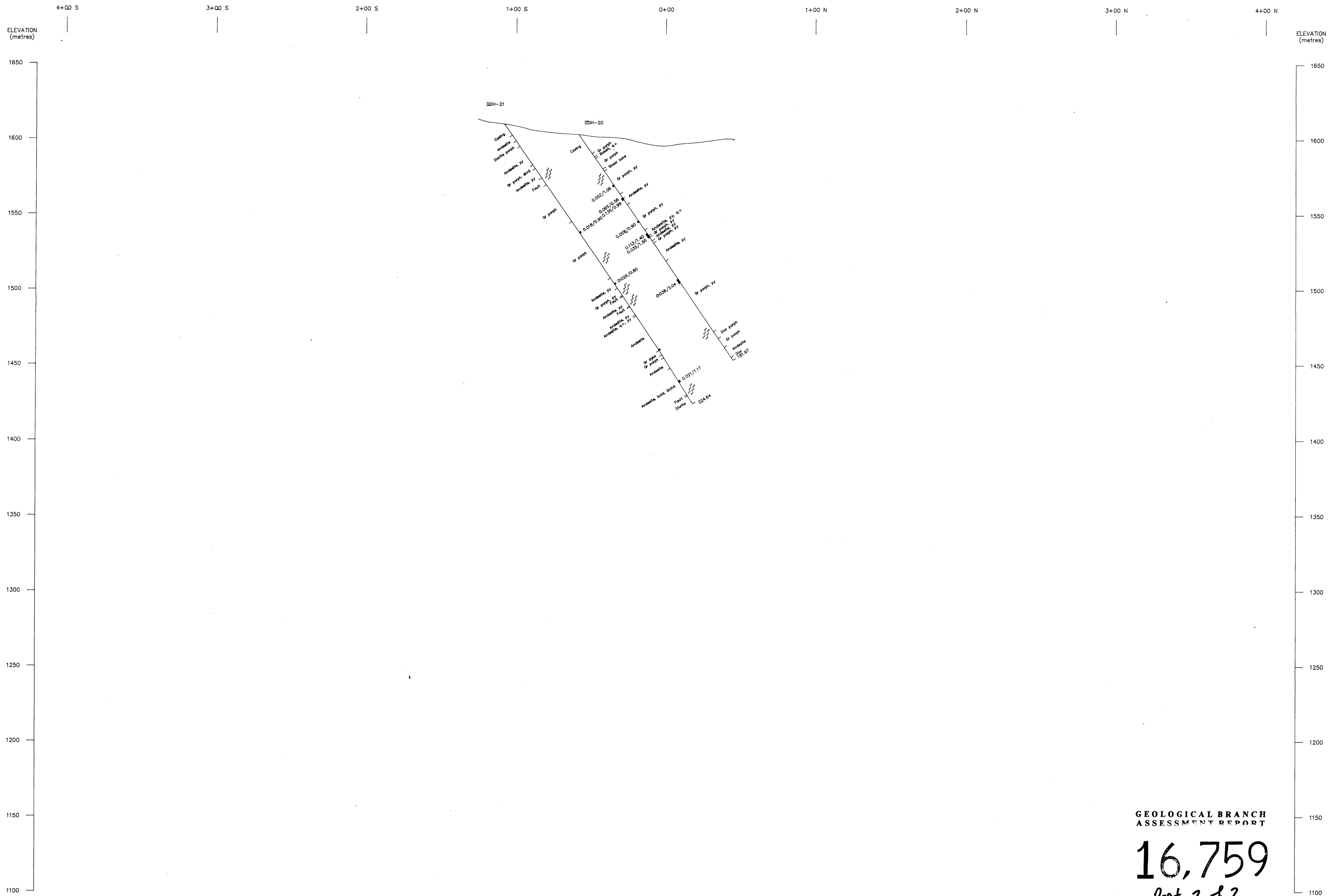
16,759

Part 2 of 2

LEGEND

-  Fault
-  Foliation
-  Vein
-  Assay
Au (oz/ton)
Width (m)
-  Quartz vein intersection
-  Geological contact, assumed

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 10	N.T.S. 93N/11W
TRS GRID	
SECTION 10+09 N	
	
SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



LEGEND

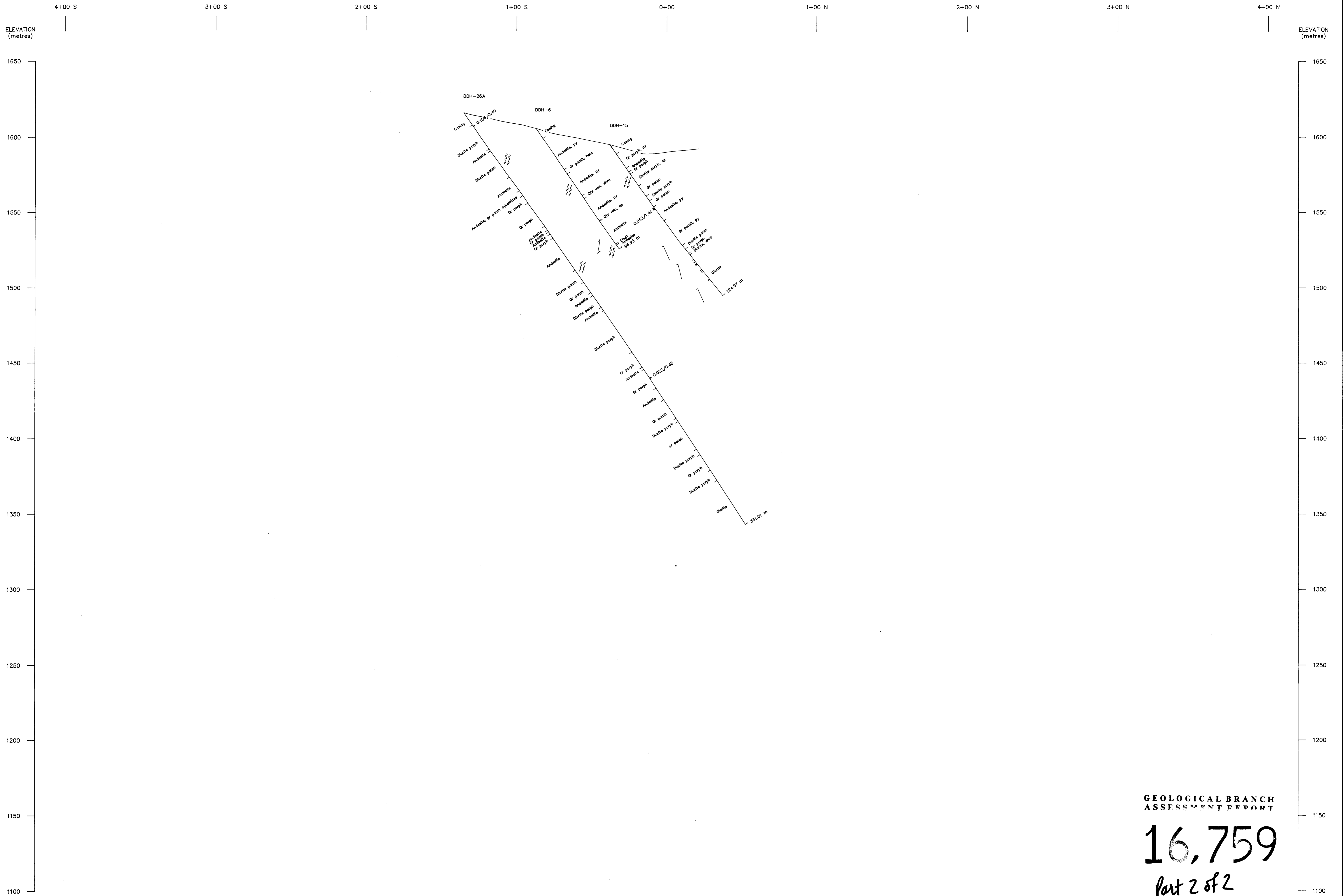
- Fault
- Foliation
- Vein
- Assay
- Quartz vein intersection

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759

Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 11	N.T.S. 93N/11W
TRW GRID	
SECTION 2+46 E	
SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



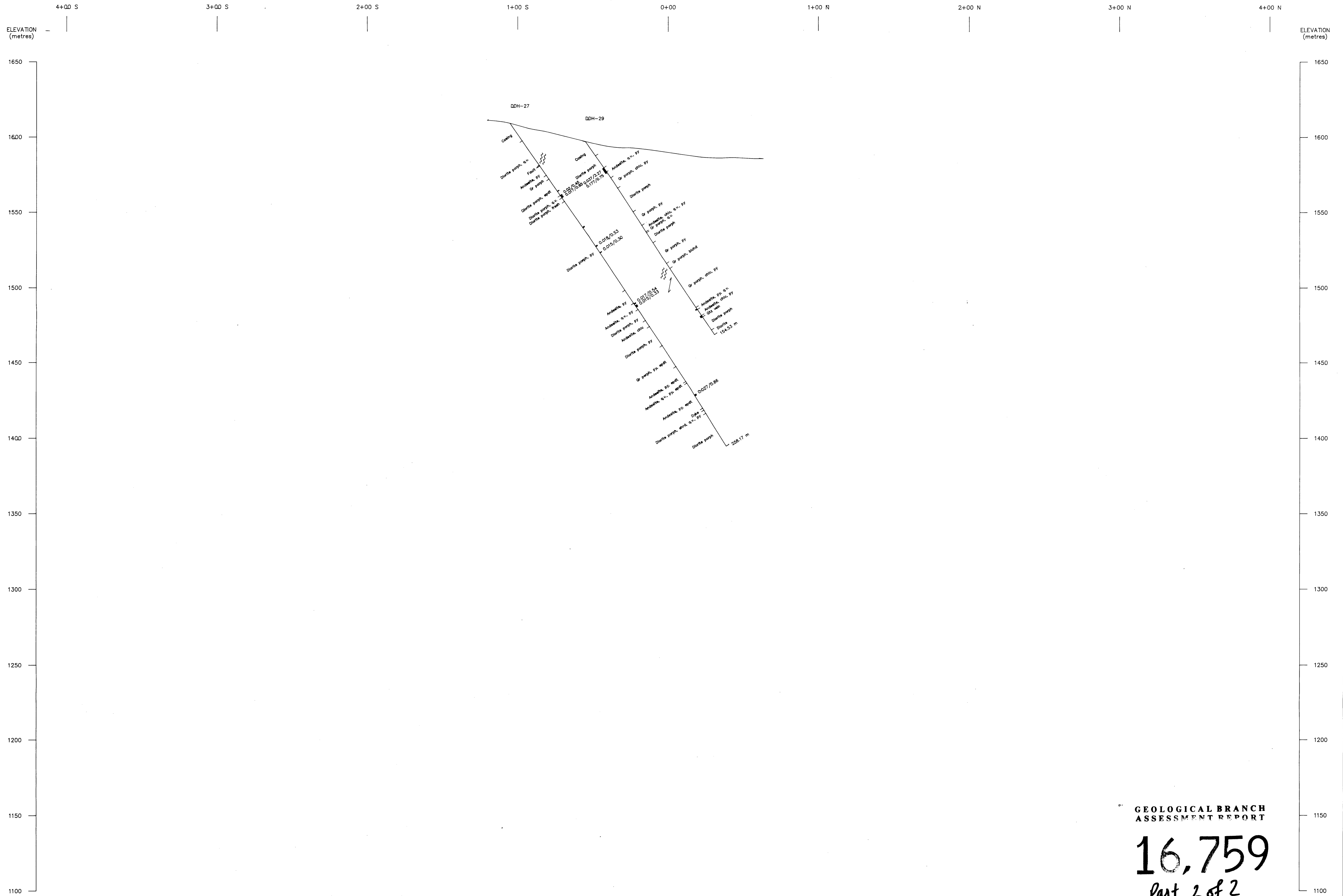
LEGEND

- Fault
- Foliation
- Vein
- Assay
- Quartz vein intersection

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759
Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 14	N.T.S. 93N/11W
TRW GRID	
SECTION 3+87 E	
SCALE: 1:1000	GEOLOGIST: D. GORC
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH

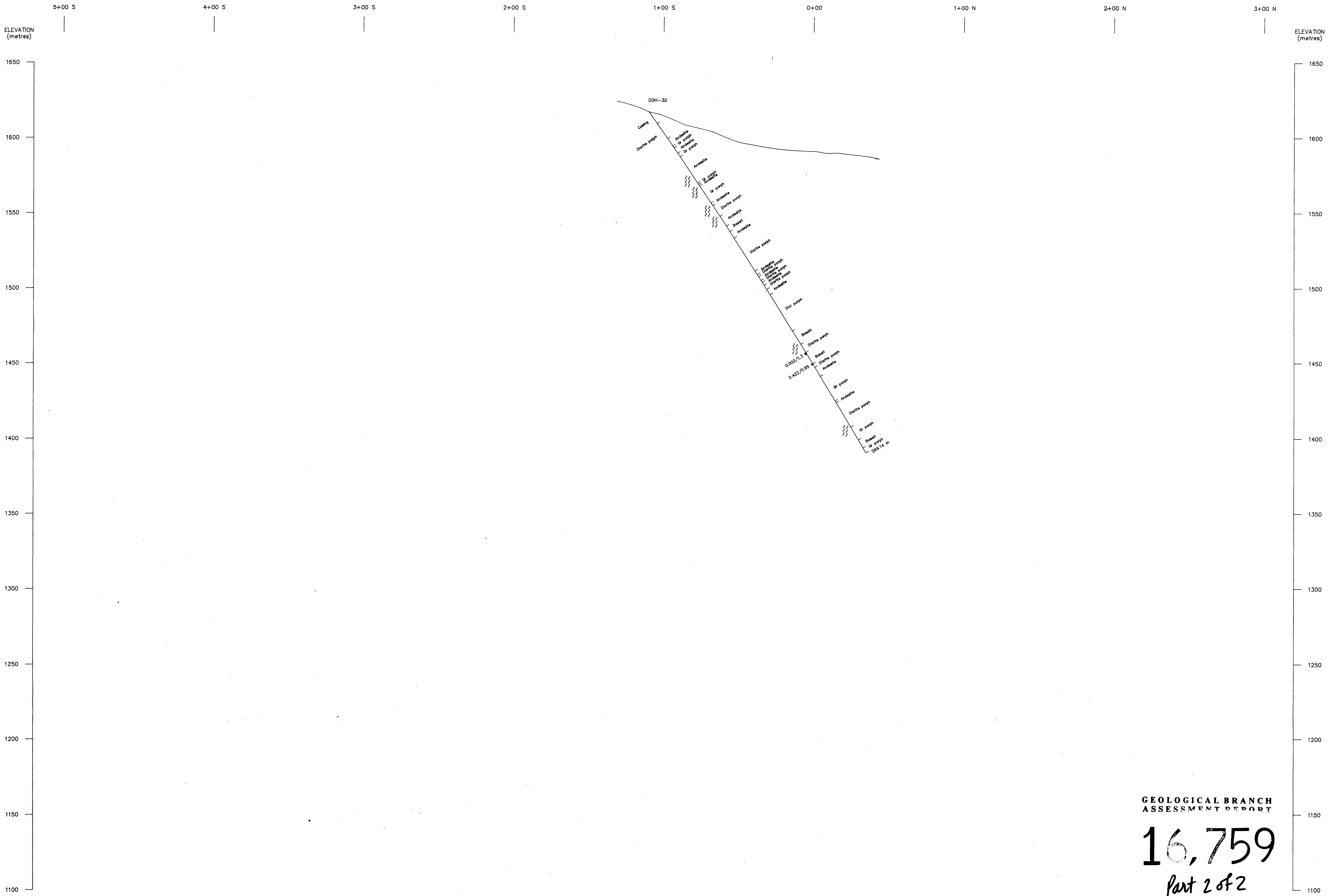


- LEGEND**
- Fault
 - Foliation
 - Vein
 - Assay
 - Quartz vein intersection

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,759
Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 15	N.T.S. 93N/11W
TRW GRID	
SECTION 4+40 E	
SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



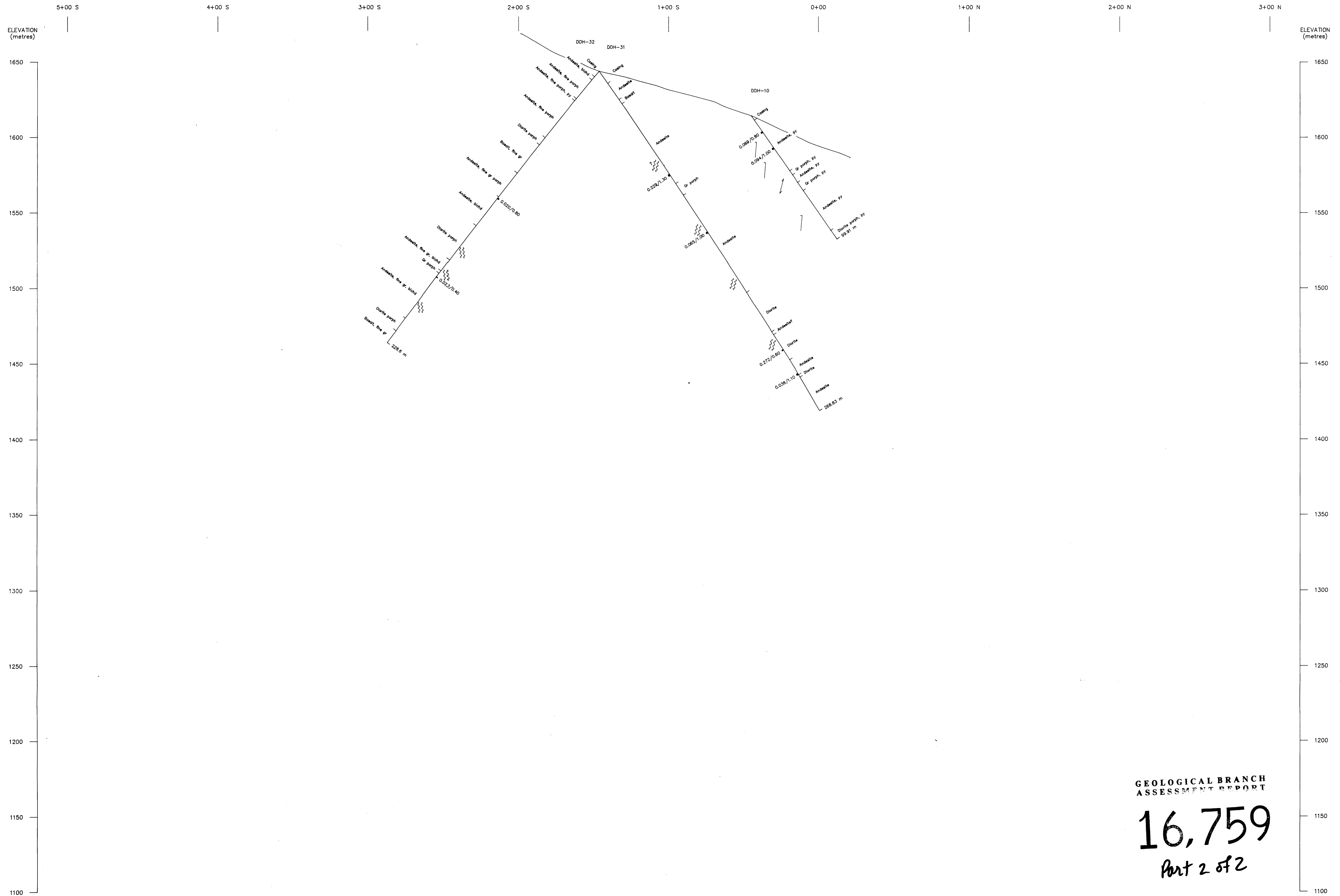
LEGEND

- Fault
- Foliation
- Vein
- Assay
- Quartz vein intersection

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,759
Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 16	N.T.S. 93N/11W
TRW GRID	
SECTION 5+35 E	
Metres 20 0 20 40 60 80 Metres	
SCALE: 1:1000	GEOLOGIST: D. GORC
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



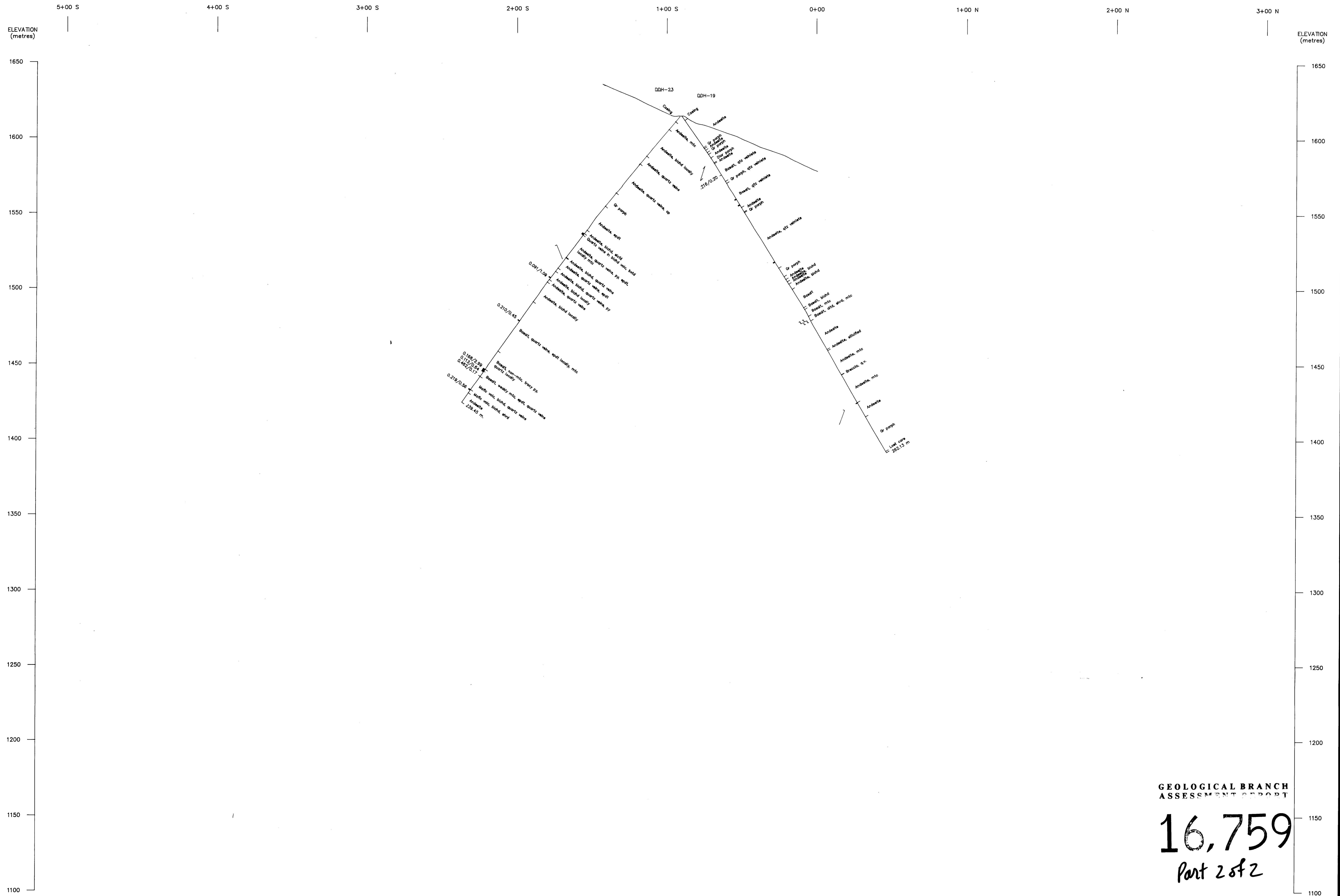
LEGEND

- Fault
- Foliation
- Vein
- Assay
- Quartz vein intersection

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ASSESSMENT REPORT**

16,759
Part 2 of 2

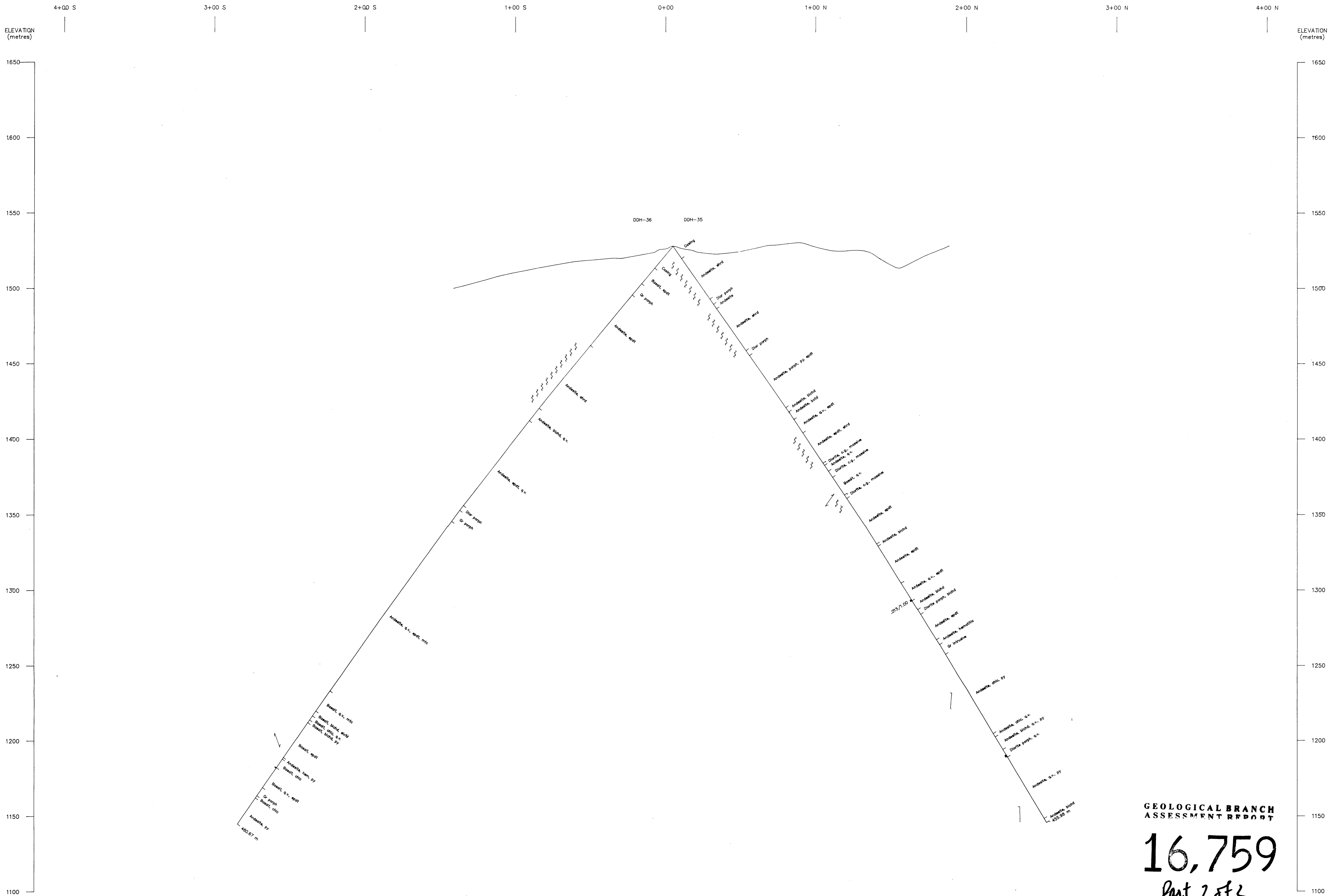
CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 18	N.T.S. 93N/11W
TRW GRID	
SECTION 8+16 E	
Metres 20 0 20 40 60 80 Metres	
SCALE: 1:1000	GEOLOGIST: D. GORC
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759
Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 20	N.T.S. 93N/11W
TRW GRID	
SECTION 9+20 E	
Metres 20 0 20 40 60 80 Metres	
SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH



LEGEND

- Fault
- Foliation
- Vein
- Assay
- Quartz vein intersection

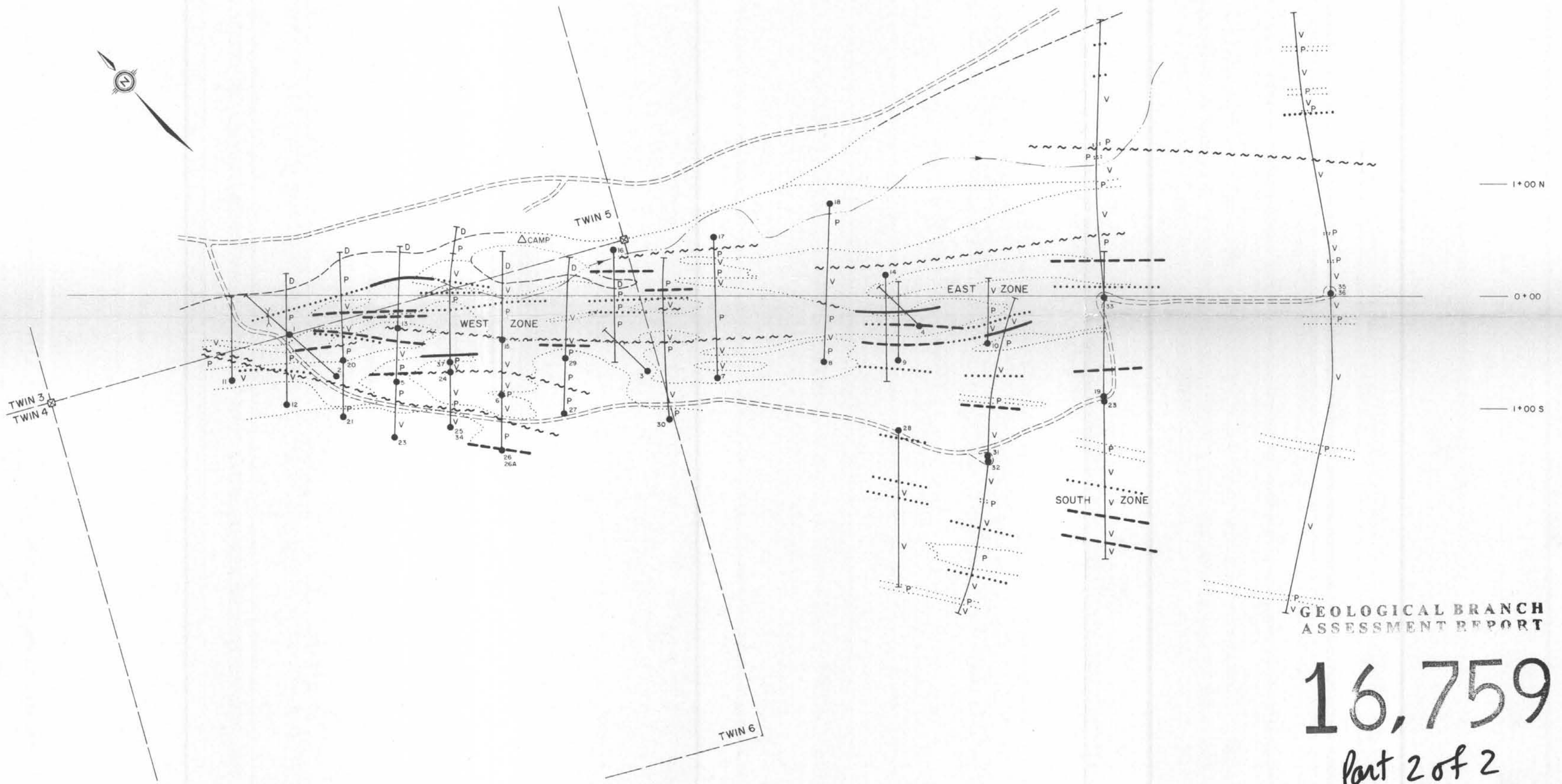
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ASSESSMENT REPORT**

16,759

Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 21	N.T.S. 93N/11W
TRW GRID	
SECTION 11+20 E	
SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: FEBRUARY 1988	DRAWN BY: S. HAWORTH

0+00 1+00 E 2+00 E 3+00 E 4+00 E 5+00 E 6+00 E 7+00 E 8+00 E 9+00 E 10+00 E 11+00 E 12+00 E



LEGEND

- | | | | |
|-----------|---|-------|---|
| ⊠ | CLAIM POST | ----- | MINERALIZATION - STRONG, MODERATE, WEAK |
| --- | CLAIM BOUNDARY | D | DIORITE |
| ● | DRILL HOLE | P | PORPHYRIES |
| ↔ | TRENCH | V | VOLCANICS |
| ~ ~ ~ | FAULT | ==== | ROAD |
| - - - - - | GEOLOGICAL CONTACT - APPROXIMATE, ASSUMED | → | CREEK |

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,759
Part 2 of 2

CATHEDRAL GOLD CORPORATION	
TAKLA RAINBOW	
FIGURE 22	N.T.S. 93N/11W
WEST DRILL GRID BOREHOLE GEOLOGY PLAN	
metres 0 50 100 150 200 250 metres	
SCALE: 1:2500	GEOLOGIST: D. GORC, R. PESALJ
DATE: FEBRUARY, 1988	DRAWN BY: J. CORKUM