ARIS SUMMARY SHEET

District Geologist, Smithers — Off Confidential: 89.06.16

ASSESSMENT REPORT 17545 — MINING DIVISION: Atlin

PROPERTY: South Atlin
LOCATION: LAT 59 33 00 LONG 133 41 00
UTM 08 6601827 574435
NTS 104N12E
CLAIM(S): YJ 13-14,Jack 6
OPERATOR(S): Homestake Min. Dev.
AUTHOR(S): McIvor, D.F.
REPORT YEAR: 1988, 30 Pages
COMMODITIES SEARCHED FOR: Gold
GEOLOGICAL SUMMARY:

The property is underlain by Permian ultramafic intrusive rocks which exhibit varying intensities of alteration. The alteration ranges from serpentinization to complete silica-carbonate-mariposite alteration.

WORK DONE: Geochemical
SOIL 416 sample(s) ;ME
Map(s) - 10; Scale(s) - 1:1000

RELATED REPORTS: 16535,17656
MINFILE: 104N 046

SUMMARY REPORT

SOIL GEOLOGICAL SAMPLING PROGRAM ON THE SOUTH ATLIN PROPERTY, 'LAKE' GROUP OF CLAIMS (YJ13 AND ADJACENT CLAIMS)

ATLIN MINING DIVISION
BRITISH COLUMBIA

NTS: 104N.12

LATITUDE: 59° 33' N

LONGITUDE: 133° 41' W

OWNER: HOMESTAKE MINERAL DEVELOPMENT COMPANY

OPERATOR: HOMESTAKE MINERAL DEVELOPMENT COMPANY

BY: DUNCAN MCIVOR

DATE: JANUARY 1988

TABLE OF CONTENTS

LIST OF FIGURES

FOLLOWS PAGE

LIST OF APPENDICES

1. SUMMARY AND RECOMMENDATIONS

The South Atlin Property is located immediately south of the town of Atlin, in northern British Columbia. In August of 1987, a soil sampling survey was completed over portions of the property in an effort to;

- delineate a known mineralized showing in the northwest corner of the property, and
- assess large areas of the property known to be underlain by a very favourable geological environment for gold mineralization.

A total of 416 samples were collected from the property, and analyzed for Au and a suite of 30 elements, some of which were known to occur in intimate association with gold mineralization (Cu, Pb, Zn, As, Sb, Ag).

The survey successfully delineated the showing in question, defining a broad strongly anomalous horizin in Au, Ag, As, Sb and combined base metals (Cu + Pb + Zn) that can be traced for 250 meters.

The anomalous horizon warrants testing by power stripping or diamond drilling.

Several weaker Au and pathfinder trace element anomalies were defined in other areas of the property, which warrant further more detailed sampling.

2. INTRODUCTION

2.1 LOCATION, ACCESS, AND PHYSIOGRAPHY

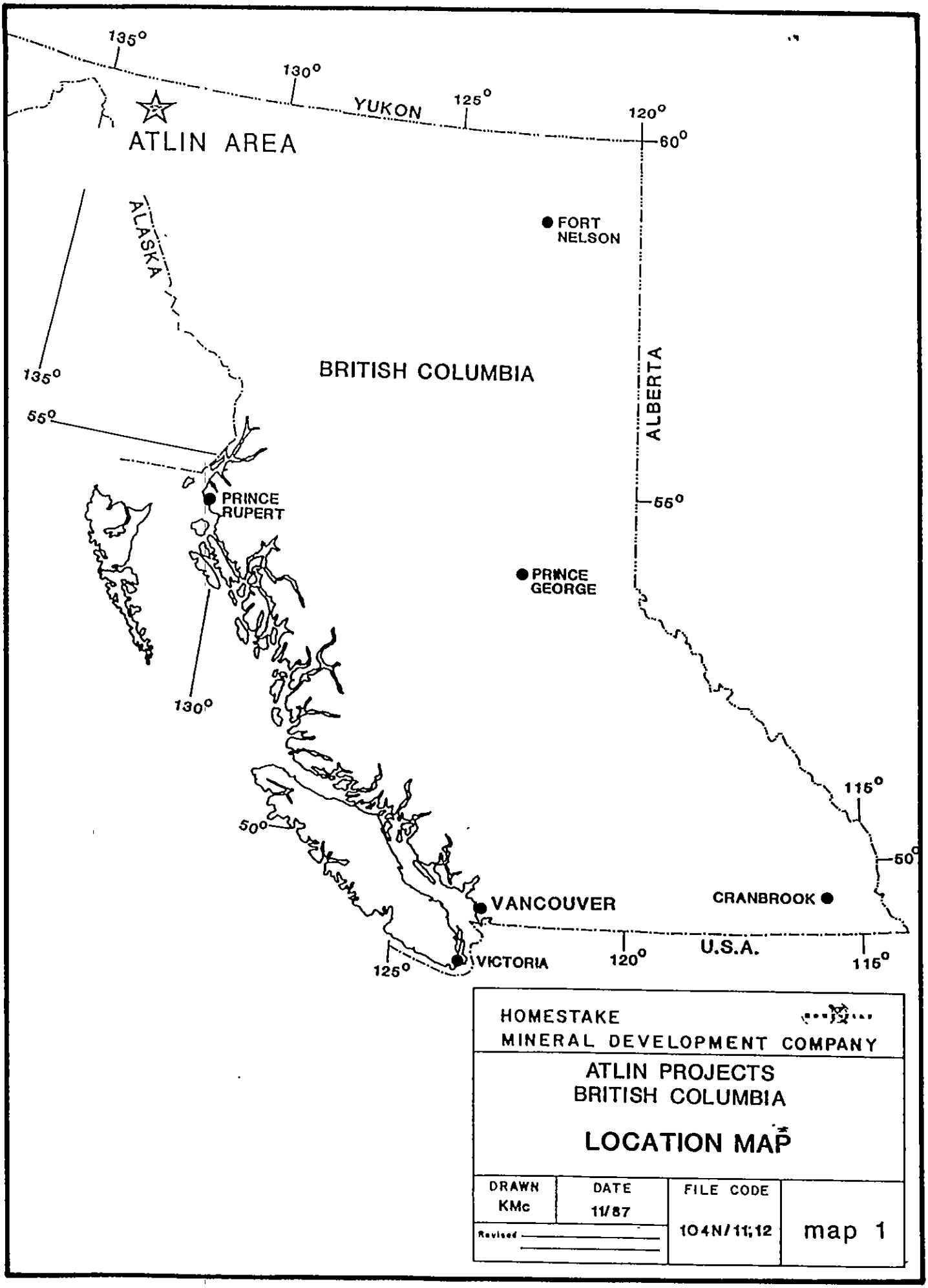
The South Atlin Property is located adjacent to and immediately south of the village of Atlin, in northern British Columbia. The claims are situated in the Atlin Mining Division, on NTS map sheet 104N.12.

The property is readily accessible via a gravel road which extends south from the town of Atlin through the western portion of the property, as well as via boat, as the western edge of the property is bounded by Lake Atlin.

Relief on the property is low by local standards, rarely exceeding 20 meters. Outcrop exposure on the property is approximately 50%, the remainder of the ground being covered by a thin mantle of glacial drift. One small swamp occupies the north-central portion of the property, where hydromagnesite is currently being deposited.

2.2 PROPERTY DEFINITION

The South Atlin Property covers parts of claims YJ-13, YJ-14, and Jack 6, part of a larger grouping of claims known as the 'Lake' Group, the pertinent details of which appear below.

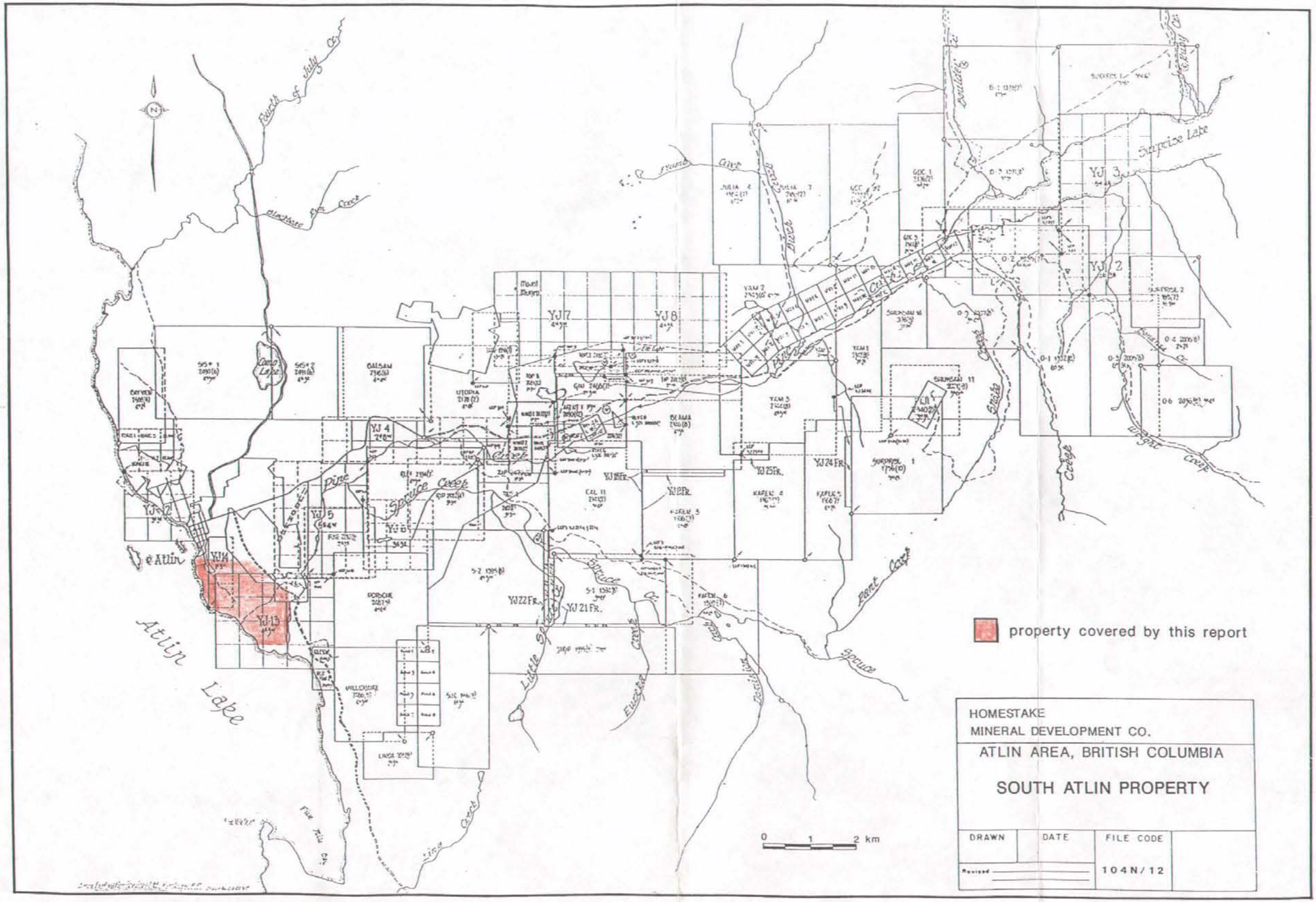


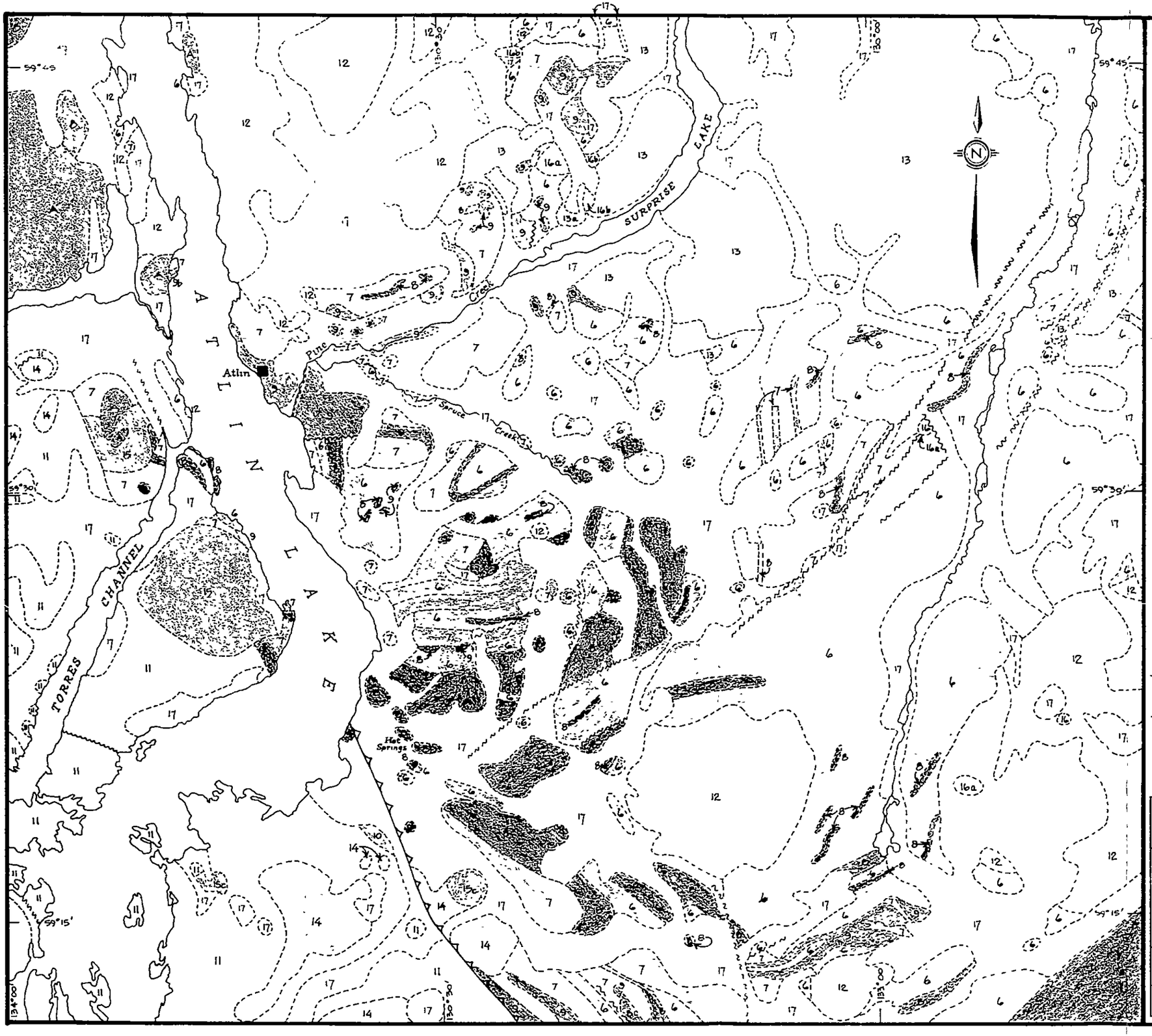
HOMESTAKE MINERAL DEVELOPMENT COMPANY

ATLIN PROJECTS BRITISH COLUMBIA

LOCATION MAP

DRAWN	DATE	FILE CODE	
KMc	11/87	104N/11;12	map 1
Revised			


Fourth of July Ck
Blackbear Fire Creek
Fourth Creek
Surprise Lake
Surprise Creek
Mount Sharpe
YJ 7
YJ 8
YJ 3
YJ 2
YJ 4
YJ 5
YJ 6
YJ 1
YJ 14
YJ 13
YJ 12
YJ 11
YJ 10
YJ 9
YJ 22 FR.
YJ 21 FR.
YJ 24 FR.
YJ 25 FR.
Pine Creek
Spruce Creek
Little Spruce Creek
Eucker Creek
Fork Creek
Spruce
Atlin
Atlin Lake
Five Mile Creek
0 1 2 km
property covered by this report
HOMESTAKE
MINERAL DEVELOPMENT CO.
ATLIN AREA, BRITISH COLUMBIA
SOUTH ATLIN PROPERTY
DRAWN
DATE
FILE CODE
104N/12
Revised



LEGEND

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

17 — GLACIAL DRIFT ; ALLUVIUM

TERTIARY AND QUATERNARY

16 — OLIVINE BASALT AND SCORIA ; 16a TERTIARY 16b PLEISTOCENE

TERTIARY (?)

15 — 15a QUARTZ MONZONITE 15b GRANOPHYRE 15c GABBRO AND DIORITE

CRETACEOUS OR TERTIARY

14 — SLOKO GROUP ANDESITE, BASALT ; ALBITE TRACHITE, ALBITE RHYOLITE, DACITE AND RELATED PYROCLASTIC ROCKS ; CONGLOMERATE, SANDSTONE

CRETACEOUS

13 — ALASKITE

JURASSIC (MAY BE IN PART OLDER OR YOUNGER)

12 — COAST INTRUSIONS UNDIFFERENTIATED GRANITIC ROCKS

JURASSIC

11 — LABERGE GROUP VOLCANIC GREYWACKE, SILTSTONE, MUDSTONE, SHALE, CONGLOMERATE

TRIASSIC

10 — GREYWACKE, CHERT, ARGILLITE, CONGLOMERATE, TUFF, SLATE, GREENSTONE, IMPURE LIMESTONE ; JASPER

PALEOZOIC

PENNSYLVANIAN AND PERMIAN

ATLIN INTRUSIONS PERIDOTITE ; META-DIORITE AND META-GABBRO ; SERPENTINITE ; CARBONITIZED SERPENTINITE ; TALC-BEARING (STEATITIZED) ULTRAMAFIC ROCKS

CACHE CREEK GROUP

8. LIMESTONE AND LIMESTONE BRECCIA
7. GREENSTONE AND VOLCANIC GREYWACKE ; DERIVED AMPHIBOLITE ; MINOR 6 AND 8.
6. CHERT, ARGILLITE, CHERT-PEBBLE CONGLOMERATE AND CHERT BRECCIA ; QUARTZITE AND SCHIST ; MINOR 7 AND 8

A — UNDIFFERENTIATED, MAINLY VOLCANIC ROCKS OF UNCERTAIN, POSSIBLY SEVERAL, AGES.

FAULT (ASSUMED, APPROXIMATE)
FAULT (DEFINED)
FAULT (THRUST)
GEOLOGICAL CONTACT

HOMESTAKE MINERAL DEVELOPMENT COMPANY

ATLIN PROPERTIES
BRITISH COLUMBIA
REGIONAL GEOLOGY

0 20 40 60 80 100km
1:253,440

DRAWN	DATE	FILE CODE
KMc		104N/12

Revised

LAKE GROUP OF CLAIMS

CLAIMS	UNITS	REC. NO.	REC. DATE
JACK 21F	1	2745	25/09/86
JACK 27	9	2748	02/10/86
JACK 28	9	2749	02/10/86
JACK 30A	1	2753	16/10/86
JACK 30B	1	2754	16/10/86
JACK 6	3	2723	12/09/86
L252 CG	1	-	-
L721 CG	1	-	-
YJ 12	9	2681	05/08/86
YJ 13	20	2682	05/08/86
YJ 14	3	2683	05/08/86

Figure 2. illustrates the location of the property with respect to these claims.

Prior to acquisition by Homestake in 1986, the only known work on the property was in 1899, when owner/operator Lord Hamilton had 29 meters of underground working completed on a showing known historically as the 'Anaconda'. The following description of the showing comes from the 'Northern B. C. Mineral Inventory', prepared by Archer, Cathro & Associates Ltd. (1981).

> "Narrow quartz stringers are associated with magnesite and carbonate altered lenses within a serpentinized Mesozoic ultramafic intrusion. A 15 to 28 cm wide quartz vein in an old crosscut strikes N and dips 72°W. Four channel samples across this vein all returned trace Au. Where seen on surface, this vein is highly irregular and could not be traced for any distance. Microscopic inspection of the magnesite showed that it contains minor pyrite, mariposite and occasionally galena."

Section 2.3 of this report briefly outlines the general geology of the property, and a preliminary economic assessment of the property potential.

2.3 GENERAL GEOLOGICAL SETTING AND ECONOMIC ASSESSMENT

The South Atlin Property lies near the western edge of the northwest trending Atlin Terrane, which is underlain by upper Paleozoic oceanic crustal rocks (Monger, 1975). It is correlated with the Cache Creek Group rocks of southern and central British Columbia. Within the Atlin Terrane, intermediate to mafic flows are overlain by cherts, immature clastic sediments, and thick

shallow water carbonate rocks. Discordant granitic plutons range in age from late Jurassic to early Tertiary. Remnant Tertiary volcanic and sedimentary rocks are found throughout the area.

Also within the Atlin Terrane, and co-eval or immediately post-dating the Cache Creek Group rocks, are large ultramafic bodies which define a discordant belt trending west across the tectonic fabric of the terrane. The ultramafic bodies are commonly intensely serpentinized, and in places extensively hydrothermally altered to a listwanite like assemblage of silica-carbonate-mariposite/fuchsite.

The majority of lode-type gold mineralization within the Atlin Terrane is hosted in hydrothermally altered (silica-carbonate-mariposite) ultramafic rocks proximal to their intrusive or thrust-faulted contacts with rocks of the Cache Creek Group volcanics or along major shear structures. Gold mineralization appears to be exclusively associated with quartz and quartz-carbonate vein systems within the aforementioned altered host rocks, with in most cases a strong correlation between gold and the presence of gangue sulphides including galena, sphalerite, chalcopyrite, pyrite, and tetrahedrite.

The South Atlin Property is underlain almost exclusively by ultramafic rocks, predominantly serpentinized, but with several areas of strong hydrothermal alteration, to a silica-carbonate-mariposite bearing ultramafic rock. As such, the property has potential for hosting significantly auriferous quartz vein systems similar to those seen elsewhere in the Atlin Camp.

2.4 WORK COMPLETED

In August 1987, a total of 416 samples were collected from the property and analyzed for Au and a suite of 30 additional elements. The results of this work are discussed in the following section of this report.

3. DETAILED TECHNICAL DATA

3.1 METHODS EMPLOYED

A total of 416 soil samples were collected from the property, and forwarded to Acme Analytical Laboratories in Vancouver for both multiemelment ICP analysis and gold geochemical analysis.

All samples were "B" horizon soils, which an orientation survey in the Atlin area showed to be the most reliable sampling medium in accurately reflecting underlying or proximal bedrock hosted gold mineralization.

The dispersion of gold in soil around bedrock hosted minerlization is a well documented phenoman (an excellent overview is "The Geochemistry of Gold in the Weathering Cycle", Lakin, Curtin and Hubert 1974, U.S.G.S. Bulletin 1330), and thus soil sampling in areas of thin and permeable cover is a valid exploration tool. In addition, metals associated with gold mineralization in the Atlin area (Cu, Pb, Zn, Ag, As, Sb) are equally and in some cases much more mobile in the "weathering cycle", and thus valid exploration targets. For that reason, included in this report are contoured plan maps for Au, Ag, As, Sb and combined base metals (Cu + Pb + Zn).

As mentioned, the purpose of the survey was two-fold. In the northwest corner of the property, two small pits expose a quartz-carbonate vein of indeterminate size and orientation, which carry highly anomalous gold and associated pathfinder trace-elements. In order to try and delineate this vein, very closely spaced survey lines were established over the area, at 20 meter intervals. Samples were taken along these lines at 20 meter intervals, thus providing a very detailed "square set" of data.

Elsewhere on the property, several areas of very attractive geology were outlined by mapping. (Specifically, silica-carbonate-mariposite altered ultramafic rocks, which host a majority of the lode gold mineralization in the Atlin camp). Exposure in these areas was often limited, and to more fully assess the ground, soil sample survey lines were established at 50 meter intervals, along which samples were taken at 20 meter intervals.

Appendix 1 through 5 contains contoured plan maps of the geochemical results for Au, Ag, As, Sb and the combined base metals Cu + Pb + Zn. The raw ICP geochemical data appears in Appendix 6. The contoured plan maps are at the same scale (1:1000) and orientation as the geology plan map of the property, and can be overlaid for interpretational purposes.

3.2 Results and Interpretation

Gold

The most prominant anomalies on the property occur in the northwest corner, around the pits exposing the mineralized quartz-carbonate vein(s). A series of very strong highs, to 875 ppb immediately adjacent to the pits, to as high as 665 ppb along strike, define a distinct anomalous horizon trending at 120°- 300° with a strike length of 250 meters. This represents a very significant anomaly, which warrants a stripping or drill testing program.

Elsewhere on the property, there are a few scattered "bullseye" type targets, most of them only weakly anomalous. Two may be of some signficance;

- at L1+50E, 0+80S, 128 ppb Au
- at L9+50E, 5+20S, 119 ppb Au

Both these warrant some detailed infill soil sampling to determine their vaillidity and extent.

Silver

Again, the most prominant anomalies on the property occur in the northwest corner, around the pits exposing the mineralized quartz-carbonate vein(s). A series of strong highs, from up to 109.6 ppm immediately adjacent to the pits, to 10.3 ppm along strike, define a district anomalous horizon trending at 300°-120° for a strike length of 200 meters.

A few other anomalies warrant further attention, notably;

- at L0+20, 1+60N, an anomaly trending at 300° for 60 meters, with values as high as 3.6 ppm Ag.

- at L0+40E, 0+60N, an anomaly trending at 30° for 50 meters, with values as high as 1.8 ppm.

All other anomalous values are 1 or 2 point bullseyes.

Arsenic

Arsenic values are in general elevated over most of the property. The most significant anomalous horizon coincides with the Au-Ag anomalies around the pit exposing the mineralized quartz-carbonate vein(s), with values as high as 398 ppb adjacent to the pits, to 585 ppm along strike. The arsenic nicely defines the same trend and strike length to the feature, 120°-300° for 200 meters.

There are several other prominant anomalies on the property;

- from L0+40E, 1+60N, an anomaly trending at 30° for 50 meters, with a high of 115 ppm As.

- at L1E, 0+20S, an east-west trending anomaly with a strike length of 50 meters and a high of 140 ppm As.

- at L7E, 4+40S, an east-west trending anomaly 100 meters long, with a high of 73 ppm.

- at L7+50E, 1+20N, a 50-meter east-west trending anomaly as high as 300 ppm.

- at L3E, 1+60S, a bullseye of 330 ppm As.

Antimony

The most prominant Sb anomaly is a localized high immediately around the pits exposing the mineralized quartz-carbonate vein(s), with values to 32 ppb Sb.

A few bulleyes are present elsewhere on the property, the most notable at L7E, 1+20N, with 23 ppb Sb.

Combined Base Metals (Cu + Pb + Zn)

The most prominant base metal high is again adjacent to the pits exposing the mineralized quartz-carbonate veins(s), a sample of which ran 13,390 ppm CBM. Again, a prominent anomalous horizon trending at 300°-120° is defined over a strike length of 200 meters, and coincides with Au, Ag, As and Sb anomalies.

Several other significantly anomalous trends appear in the data, notably;

- at L0+20E, trending at 30° for 60 meters, an anomalous horizon with values as high as 759 ppm.

- at L0+20W, trending west for 50 meters, an anomalous horizon with values as high as 975 ppm.

- at L2+50E, 1+60S, trending east for 100 m, an anomalous horizon with values as high as 548 ppm.

- at L7E, 1+20N, a bullseye of 542 ppm.

- at L7E, 4+20S, a bullseye of 536 ppm.

Obviously, the most significant anomalies are those with a multi-element expression and significant strike length. The horizon around the pits exposing mineralized quartz-carbonate vein(s) is hugely anomalous in Au, Ag, As, Sb and base metals Cu-Pb-Zn, and has a distinct orientation and strike length of 300°-120° and 200 to 250 meters. This horizon, in all probability, is a direct reflection of the vein orientation, and warrants a power stripping or diamond drilling program.

Other multi-element anomalous horizons include;

- at L7E, 1+20N, highly anomalous values of CBM, Sb, and As. Although lacking an Au-Ag expression or strike length, this area warrants more detailed infill soil sampling.

- at L7E, from 4+20 to 4+40S, anomalous values of As and CBM's warrant more detailed infill soil sampling.

- at L2+50E, 1+60S, an east trending anomaly with elevated As and CBM's warrants more detailed infill soil sampling.

- at L0+40E, 0+60N, an anomalous horizon trending at 30° for 50 meters and carrying elevated Ag, As, and CBM values, warrants more detailed infill soil sampling.

4.0 ITEMIZED COST STATEMENT AND ALLOCATION OF EXPENDITURES

4.1 Itemized Cost Statement

The following expenses were incurred as a direct result of the exploration work described in this report.

1) Salaries and Wages

Duncan McIvor: (Report Preparation) December 4, 5, 1987 2 days @$115.00/day	$ 230.00
Stephen Gill: August 23-26, 1987 (4 days) September 1-7, 1987 (7 days) 11 days @$65.00/day	$ 715.00
SUB TOTAL	$ 945.00
+20% BENEFITS, ETC.	189.00
TOTAL SALARIES & WAGES	$1,134.00

2. Analytical Costs

416 soil samples, analyzed for Au and a suite of 30 additional elements @$12.00/sample	$4,992.00

3. Food and Accommodation Costs

@$35/day per man x 11 days	$ 385.00

4. Transportation Costs

Fuel and Maintenance on one truck, 11 days @$12.50/day	$ 137.50
Airfare, Vancouver-Whitehorse-Vancouver (Sephen Gill)	$ 600.00
	$ 737.50

5. Miscellaneous Costs

- flagging tape, sample bags, mylar, etc.	$ 100.00
TOTAL EXPENDITURES	$7,348.50

4.2 Allocation of Expenditures

The above reported expenditures are allocated based approximately on the number of samples taken from the following claims;

CLAIM	REC. DATE	REC. NO.	UNITS	ALLOCATION
JACK 6	12/09/86	2723	3	$3,674.25
YJ 13	05/08/86	2682	20	$2,939.40
YJ 14	05/08/86	2683	3	$ 734.85

The expenditures are being applied to the "West Group" of claims, as outlined on the "Statement of Exploration and Development".

DMc/mm

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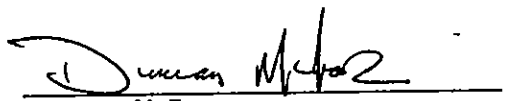
AUTHOR'S QUALIFICATIONS

I, Duncan Forbes McIvor, do hereby state that;

- I am a graduate of the University of Waterloo, and hold an Honours Bachelor of Applied Science degree.
- I have been practising my profession as an exploration geologist on a full time basis since 1982.
- I have personal knowledge that all information presented in this report is true and accurate.



Duncan McIvor

GEOCHEMICAL ICP ANALYSIS

Mastern nts. ATLIN Reconn. 11. BC. 104N. 12 PAR.

.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 P8-SOIL P9-ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

-20 MESH, PULVERIZED

DATE RECEIVED: SEPT 12 1987 DATE REPORT MAILED: Oct 3/87 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER

HOMESTAKE MINERAL PROJECT-PA-5710 File # 87-4092 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
L0+00E 1+40N	3	64	32	152	.2	396	53	1318	4.75	30	5	ND	3	112	1	8	2	41	1.83	.189	15	144	2.00	270	.01	19	.53	.01	.12	1	2
L0+00E 0+80N	1	64	4	94	.2	437	35	622	2.53	23	7	ND	2	103	1	6	3	19	2.31	.145	5	84	1.16	185	.01	2	.31	.01	.05	1	1
L0+00E 0+60N	7	57	23	119	.1	727	45	632	8.39	115	5	ND	4	21	1	18	8	100	.23	.137	33	270	.87	141	.03	2	1.12	.01	.05	1	1
L0+00E 0+40N	6	45	13	77	.1	1268	79	1365	8.66	35	5	ND	2	38	1	10	2	44	.48	.213	9	293	3.97	195	.01	5	.67	.01	.04	1	1
L0+00E 0+20N	1	24	9	81	.1	1534	85	1242	6.85	29	5	ND	1	21	1	16	2	19	.36	.103	3	269	12.49	169	.01	6	.52	.01	.03	1	1
L0+00E 0+00N	3	38	43	148	.9	824	63	1464	6.67	161	5	ND	1	24	1	9	2	20	.41	.087	4	230	11.52	145	.01	4	.39	.01	.06	1	1
L0+00E 0+60S	4	57	2	40	.1	858	72	847	5.71	16	5	ND	2	50	1	2	2	52	.80	.059	13	281	3.44	221	.04	2	1.30	.02	.06	1	2
L0+00E 0+80S	2	23	15	48	.1	394	32	423	4.30	11	5	ND	1	30	1	2	2	48	.46	.029	7	167	1.08	200	.06	2	1.89	.02	.03	1	1
L0+00E 1+00S	3	28	10	57	.1	1977	119	2728	10.43	16	5	ND	1	32	1	20	2	26	.46	.188	3	553	11.77	168	.01	6	.61	.01	.03	1	5
L0+00E 1+20S	3	57	2	32	.1	2090	196	1257	8.60	2	5	ND	1	15	1	8	2	27	.26	.036	2	485	14.87	178	.01	2	.42	.01	.01	1	4
L0+50E 1+60N	5	74	30	156	.7	117	40	1964	9.50	18	5	ND	14	123	1	2	2	138	1.68	.297	56	169	2.28	428	.18	8	2.24	.01	.48	1	2
L0+50E 1+40N	3	44	8	109	.1	446	54	1103	4.61	10	5	ND	3	52	1	2	2	55	.69	.131	13	138	1.68	377	.07	4	1.53	.02	.18	1	1
L0+50E 1+20N	1	46	3	190	.5	470	44	1697	4.37	15	9	ND	3	59	1	2	2	49	.89	.104	13	152	2.15	386	.05	12	1.34	.03	.14	1	1
L0+50E 1+00N	4	47	10	76	.3	489	51	1273	6.99	43	5	ND	4	47	1	7	2	77	.76	.178	20	214	1.87	286	.03	6	.97	.01	.09	1	1
L0+50E 0+80N	1	38	4	137	.3	166	31	2730	3.06	10	5	ND	2	34	1	2	2	49	.61	.083	9	81	.77	300	.06	6	1.11	.02	.07	1	3
L0+50E 0+60N	1	20	8	54	.1	502	62	1149	6.57	35	5	ND	3	12	1	2	2	52	.17	.049	5	381	1.87	71	.04	6	.83	.01	.04	1	1
L0+50E 0+40N	1	43	7	72	.1	1071	71	1928	6.68	13	5	ND	1	47	1	6	2	26	.64	.135	5	316	4.47	194	.02	2	.86	.01	.02	1	1
L0+50E 0+20N	2	25	5	206	.1	1111	75	1845	7.83	24	5	ND	1	36	1	5	2	27	.49	.157	3	741	6.25	251	.01	4	.76	.01	.03	1	1
L0+50E 0+00N P	2	21	2	61	.1	457	44	887	4.66	11	5	ND	1	31	1	6	2	54	.44	.090	7	276	5.22	178	.06	2	1.14	.03	.08	1	1
L0+50E 0+20S P	1	24	7	72	.5	393	38	988	4.01	11	6	ND	3	38	2	4	2	49	.52	.086	8	227	4.12	255	.07	14	1.08	.03	.10	1	1
L0+50E 0+40S P	2	22	7	47	.1	412	38	573	4.70	17	5	ND	2	28	1	2	2	57	.39	.048	8	322	3.95	158	.07	4	1.27	.03	.07	1	1
L0+50E 0+60S	1	25	7	59	.1	1823	127	1857	6.14	4	5	ND	2	18	1	13	2	45	.16	.152	2	761	12.13	159	.01	2	.99	.01	.02	1	1
L1+00E 1+40N	1	11	10	27	.1	100	11	319	2.62	6	5	ND	1	17	2	2	2	55	.29	.029	7	80	.68	102	.08	2	1.00	.01	.04	1	1
L1+00E 1+20N	7	48	8	109	.5	1283	75	1432	9.41	15	5	ND	5	86	1	2	2	105	.80	.118	26	270	1.97	218	.01	3	.99	.01	.04	1	1
L1+00E 1+00N	2	43	7	216	.1	1948	87	1438	10.11	27	5	ND	3	44	1	2	3	38	.30	.252	11	289	2.08	282	.03	3	1.57	.01	.04	1	4
L1+00E 0+80N	5	53	11	225	.2	1981	118	3043	10.01	103	5	ND	3	38	1	5	2	36	.49	.271	7	280	2.15	278	.02	10	1.12	.01	.05	1	8
L1+00E 0+60N	1	7	2	11	.1	67	3	41	.09	4	5	ND	1	109	1	2	2	1	2.37	.109	2	11	2.09	55	.01	24	.07	.01	.03	1	1
L1+00E 0+40N	1	7	2	8	.5	50	2	70	.06	3	5	ND	1	95	1	2	6	1	2.13	.078	2	9	1.70	45	.01	24	.06	.01	.02	1	1
L1+00E 0+20N	1	14	2	11	.4	56	7	501	.36	2	5	ND	1	92	1	2	5	4	1.98	.089	2	17	1.63	81	.01	11	.26	.02	.03	1	2
L1+00E 0+00N	1	34	9	115	.2	150	20	511	3.98	10	5	ND	6	32	1	2	2	63	.37	.130	45	93	.35	85	.02	2	.64	.01	.10	1	1
L1+00E 0+20S	3	88	16	62	.1	1675	247	1817	17.76	140	5	ND	2	76	1	2	3	46	.83	.423	10	721	2.58	314	.01	9	.55	.01	.04	1	1
L1+00E 0+40S	2	22	11	42	.2	570	69	720	5.62	62	5	ND	2	21	1	2	3	59	.34	.059	7	294	1.52	125	.06	8	1.03	.02	.10	1	2
L1+50E 2+60N	2	33	2	61	.3	98	13	418	3.58	7	5	ND	5	38	1	2	2	65	.71	.035	11	73	.94	226	.10	5	1.94	.02	.21	1	1
L1+50E 2+40N	1	8	2	27	.2	74	9	319	2.10	5	5	ND	2	19	3	3	2	50	.35	.023	7	58	.45	109	.09	4	.85	.02	.04	1	1
L1+50E 2+20N	1	20	8	52	.6	83	17	790	4.39	4	5	ND	5	42	3	3	2	59	.61	.077	14	50	.51	418	.01	6	1.50	.01	.15	1	1
L1+50E 2+00N	2	46	17	114	.4	104	18	1124	3.83	7	5	ND	3	51	2	2	2	65	.77	.069	12	83	1.10	383	.10	5	2.40	.02	.25	1	1
STD C/AU-S	18	62	35	131	7.2	67	28	1029	4.02	38	21	7	40	49	18	16	20	57	.46	.089	37	60	.83	176	.08	30	1.75	.06	.12	13	51

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L1+50E 1+80N	1	15	2	65	.1	157	21	572	2.54	5	5	ND	2	27	1	2	2	39	.47	.045	7	118	1.75	140	.07	6	.94	.02	.10	1	1
L1+50E 1+60N	1	20	3	62	.3	172	21	865	3.76	14	5	ND	5	32	1	2	2	56	.47	.050	9	108	1.12	284	.07	5	1.41	.02	.10	1	1
L1+50E 1+40N	1	15	7	43	.1	193	24	745	2.72	4	5	ND	2	21	1	2	2	37	.34	.049	7	144	1.34	228	.05	4	.92	.02	.05	1	1
L1+50E 1+20N	1	22	2	36	.1	668	35	752	4.54	17	5	ND	3	18	1	2	2	46	.27	.037	7	420	5.30	61	.05	6	1.00	.01	.04	1	4
L1+50E 1+00N	1	27	9	49	.2	626	41	663	4.03	22	5	ND	4	24	1	2	2	45	.36	.036	9	180	3.12	151	.06	9	1.09	.02	.06	1	1
L1+50E 0+80N	2	24	5	32	.1	1097	100	1593	7.19	4	5	ND	1	28	1	6	2	25	.40	.076	3	515	5.79	97	.01	5	.43	.01	.03	1	1
L1+50E 0+60N	2	43	4	94	.1	1316	128	2163	6.96	11	5	ND	3	32	1	2	3	34	.38	.168	8	331	1.60	175	.02	5	.88	.01	.03	1	1
L1+50E 0+40N	3	7	2	4	.3	35	3	45	.03	2	8	ND	3	100	5	2	6	1	2.55	.079	2	9	1.50	29	.01	12	.04	.01	.03	4	1
L1+50E 0+20N	1	25	2	2	.1	283	3	59	.13	2	5	ND	3	121	1	2	5	3	2.98	.101	2	15	1.26	133	.01	14	.10	.01	.04	2	1
L1+50E 0+00N	1	53	8	146	.2	412	10	1127	.84	4	5	ND	3	132	1	2	2	11	3.19	.102	4	43	.74	327	.02	9	.42	.02	.08	2	2
L1+50E 0+20S	1	18	11	51	.1	470	42	844	4.73	50	5	ND	1	36	1	2	2	41	.61	.062	6	262	2.93	201	.02	6	.77	.01	.06	1	1
L1+50E 0+40S	1	26	9	52	.2	591	63	2188	6.19	10	5	ND	5	32	1	2	2	62	.44	.085	14	291	2.45	308	.04	8	1.11	.01	.07	1	1
L1+50E 0+60S	2	69	9	136	.2	791	59	1317	3.07	4	5	ND	3	96	1	2	2	31	1.54	.187	8	267	3.45	593	.02	9	.76	.01	.09	1	1
L1+50E 0+80S	1	10	2	26	.1	282	17	299	2.35	7	5	ND	1	21	1	2	2	44	.42	.034	6	107	1.15	91	.07	2	.85	.02	.08	1	128
L2+00E 2+20N	1	21	12	46	.1	113	14	333	3.06	12	5	ND	3	24	1	2	2	59	.63	.034	8	100	.99	94	.17	2	1.37	.01	.09	1	7
L2+00E 2+00N	1	13	10	50	.1	67	9	273	2.23	2	5	ND	3	27	1	3	2	44	.54	.033	7	72	.60	157	.08	7	.98	.02	.11	1	1
L2+00E 1+80N	1	19	5	39	.1	109	11	222	2.70	14	5	ND	4	34	1	2	2	54	.62	.041	7	80	.71	142	.07	7	1.17	.02	.08	1	1
L2+00E 1+60N	1	28	32	98	.4	187	22	887	4.48	10	5	ND	3	33	1	2	2	57	.42	.096	15	118	1.15	420	.06	3	1.52	.02	.07	1	1
L2+00E 1+40N	1	21	9	40	.2	140	19	508	3.56	15	5	ND	2	40	1	2	2	58	.46	.062	7	101	.71	233	.04	5	1.06	.01	.06	2	1
L2+00E 1+20N	2	19	3	68	.1	65	13	626	2.51	5	5	ND	3	30	1	3	2	48	.48	.055	9	68	.62	214	.09	4	1.17	.02	.13	1	1
L2+00E 1+00N	1	19	6	50	.2	98	13	423	2.53	3	5	ND	3	30	1	2	2	47	.50	.032	8	74	.83	217	.07	3	1.31	.02	.09	1	1
L2+00E 0+80N	1	17	8	44	.2	278	28	732	3.95	6	5	ND	3	17	1	2	3	57	.18	.042	8	178	.83	186	.03	4	1.36	.02	.03	2	1
L2+00E 0+60N	1	26	13	44	.1	1790	121	586	4.83	12	5	ND	3	46	1	7	2	29	.91	.031	5	333	10.46	125	.02	5	.70	.01	.04	1	2
L2+00E 0+40N	2	22	5	38	.2	985	79	1199	8.80	14	5	ND	4	26	1	4	2	41	.35	.076	4	495	5.72	175	.02	8	.63	.01	.04	1	3
L2+00E 0+20N	1	40	11	49	.1	325	8	208	2.26	6	5	ND	2	50	1	2	2	45	.82	.048	8	102	1.53	144	.07	5	1.05	.02	.05	1	3
L2+00E 0+00N	1	16	3	41	.2	135	8	274	1.99	2	5	ND	4	54	1	2	2	34	1.23	.051	9	74	1.63	134	.05	7	.90	.02	.05	1	2
L2+00E 0+20S	1	17	10	63	.2	306	33	1124	4.16	8	5	ND	3	22	1	2	2	52	.33	.080	8	199	1.76	173	.04	9	1.03	.02	.06	1	1
L2+00E 0+40S	1	20	13	43	.2	570	45	985	5.39	6	5	ND	2	25	1	3	2	46	.46	.109	5	318	4.93	179	.04	9	.74	.02	.09	1	1
L2+00E 0+60S	1	22	2	54	.4	503	56	1131	5.10	6	5	ND	4	31	1	2	2	55	.35	.065	13	193	2.02	326	.04	6	1.03	.01	.05	1	1
L2+00E 0+80S	3	40	9	142	.4	1083	74	880	8.53	26	5	ND	3	45	1	2	4	42	.57	.102	5	471	1.36	472	.02	9	.70	.02	.06	1	1
L2+00E 1+00S	1	49	2	75	.3	289	17	669	2.38	9	5	ND	2	67	1	2	2	35	1.16	.092	8	89	1.60	323	.04	11	1.06	.02	.13	1	1
L2+00E 1+20S	1	11	5	28	.2	86	9	282	2.24	5	5	ND	3	18	1	2	2	47	.34	.044	7	71	.69	70	.07	6	.79	.02	.12	1	1
L2+50E 2+00N	1	12	10	44	.1	52	7	213	1.74	4	5	ND	1	27	1	2	2	35	.47	.033	7	71	.61	141	.08	2	.93	.02	.09	2	1
L2+50E 1+80N	1	24	8	62	.1	96	11	261	2.20	7	5	ND	2	30	1	2	2	46	.49	.045	8	77	1.07	152	.08	2	1.18	.02	.10	2	2
L2+50E 1+40N	1	11	2	31	.3	80	12	346	2.84	2	5	ND	2	25	1	3	2	53	.41	.028	7	54	.54	178	.04	3	.97	.01	.08	1	1
L2+50E 1+40N	1	41	3	72	.1	140	33	1094	6.45	4	5	ND	2	58	1	2	2	137	.65	.119	8	111	.72	503	.05	5	1.39	.02	.22	1	1
STD C/AU-S	18	57	36	132	7.2	67	27	1019	4.01	38	19	8	40	49	16	17	24	58	.44	.093	37	64	.82	176	.07	35	1.77	.06	.13	13	51

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L2+50E 1+20N	1	15	3	85	.1	105	13	311	2.53	6	5	ND	4	28	1	2	2	53	.51	.056	10	91	.93	184	.10	3	1.45	.02	.06	1	1
L2+50E 1+00N	1	33	10	92	.3	135	20	934	3.62	8	5	ND	5	42	1	2	2	65	.65	.045	13	90	1.36	344	.13	3	2.13	.02	.16	1	1
L2+50E 0+80N	1	19	11	75	.1	510	52	1436	5.64	15	5	ND	2	29	1	2	2	50	.39	.092	8	285	2.66	274	.03	2	.94	.01	.03	1	1
L2+50E 0+60N	1	27	2	68	.1	1442	79	1072	6.35	21	5	ND	2	36	1	2	2	43	.59	.065	8	371	7.23	177	.03	2	.93	.01	.06	1	7
L2+50E 0+40N	2	30	13	70	.1	701	60	1207	5.24	15	5	ND	3	58	1	2	2	61	1.24	.051	12	274	4.37	232	.05	6	1.17	.02	.11	1	3
L2+50E 0+20N	1	18*	17	90	.5	879	13	401	3.35	10	5	ND	3	99	1	2	2	50	1.95	.124	33	131	1.31	280	.05	8	1.92	.03	.06	1	1
L2+50E 0+00N	1	70	9	139	.1	223	18	1301	2.30	9	5	ND	1	81	1	2	2	36	1.58	.116	15	61	.92	306	.03	8	1.31	.03	.05	1	2
L2+50E 0+20S	2	26	14	85	.3	577	51	929	6.53	13	5	ND	2	38	1	2	2	67	.59	.132	9	357	2.79	236	.04	8	1.38	.02	.07	1	1
L2+50E 0+40S	1	46	12	220	.1	308	31	1192	2.94	7	5	ND	3	47	2	2	2	42	.69	.222	16	80	.87	322	.06	6	1.43	.02	.07	1	1
L2+50E 0+60S	1	37	17	85	.1	288	45	1474	5.21	7	5	ND	4	61	1	2	3	59	.88	.144	19	161	1.08	379	.05	2	1.04	.02	.05	1	1
L2+50E 0+80S	1	34	171	151	.7	452	58	1503	6.66	13	5	ND	4	69	1	2	10	78	.88	.189	27	262	2.47	405	.06	6	.96	.01	.18	1	1
L2+50E 1+00S	1	32	14	60	.3	279	38	1588	4.85	8	5	ND	7	77	1	2	2	68	.83	.097	20	259	1.98	483	.16	2	1.55	.03	.47	1	1
L2+50E 1+20S	1	24	12	100	.1	547	97	1652	5.97	16	5	ND	1	38	1	2	2	38	.51	.114	6	303	2.58	309	.03	7	.81	.01	.07	1	1
L2+50E 1+40S	1	38	11	132	.2	266	34	1108	3.40	3	5	ND	3	45	1	2	2	46	.67	.103	8	181	1.83	261	.07	9	1.22	.02	.11	1	1
L2+50E 1+60S	1	151	11	386	.3	2778	27	870	3.35	15	5	ND	4	55	1	2	2	47	.80	.121	20	88	1.53	307	.07	10	1.85	.03	.08	1	1
L2+50E 1+80S	1	42	11	112	.2	177	30	2119	3.06	2	5	ND	3	27	2	2	2	43	.39	.063	8	94	.82	282	.07	3	.99	.02	.10	1	1
L2+50E 2+00S	1	26	9	76	.2	175	21	725	3.39	11	5	ND	3	42	1	2	2	61	.46	.128	13	106	1.26	253	.08	5	1.22	.02	.12	1	1
L3+00E 2+00N	1	55	9	278	.1	170	18	1327	2.72	3	5	ND	3	51	1	4	2	47	.77	.061	12	67	.67	537	.08	2	1.78	.03	.13	1	1
L3+00E 1+80N	1	20	8	70	.1	65	9	245	2.72	8	5	ND	3	51	1	2	4	55	.65	.032	10	88	1.14	252	.11	2	1.65	.02	.16	1	1
L3+00E 1+60N	1	19	2	50	.1	59	8	187	2.02	2	5	ND	3	36	1	2	2	39	.55	.038	9	65	.86	195	.08	3	1.32	.02	.09	1	1
L3+00E 1+40N	1	16	7	70	.3	82	10	311	2.36	7	5	ND	3	35	1	2	2	51	.61	.039	10	88	1.25	176	.11	2	1.37	.02	.10	1	1
L3+00E 1+20N	1	11	2	36	.1	63	7	174	1.78	3	5	ND	2	34	1	3	5	40	.64	.047	10	68	.97	152	.08	2	1.04	.02	.05	1	1
L3+00E 1+00N	1	64	8	209	.7	233	15	515	3.75	7	5	ND	6	60	1	2	2	60	1.13	.071	21	87	1.57	398	.10	6	2.31	.03	.25	1	3
L3+00E 0+80N	1	14	13	56	.1	156	15	482	2.84	6	5	ND	1	30	1	2	2	48	.54	.050	8	89	1.07	154	.08	2	1.31	.02	.09	1	1
L3+00E 0+60N	2	14	6	61	.3	1869	117	1356	8.02	3	5	ND	1	21	1	2	2	8	.33	.049	2	75	12.93	114	.01	25	.31	.01	.03	1	1
L3+00E 0+40N	1	10	6	31	.1	296	24	351	3.39	2	5	ND	2	20	1	2	2	45	.30	.027	7	126	1.94	74	.08	9	.93	.02	.05	2	1
L3+00E 0+20N	1	10	6	102	.1	109	15	878	2.54	4	5	ND	1	33	1	2	2	49	.50	.058	9	147	1.25	129	.12	2	1.14	.03	.10	1	3
L3+00E 0+00N	1	7	9	35	.1	68	8	294	1.45	4	5	ND	2	27	1	3	2	32	.41	.027	8	54	.60	68	.09	2	.83	.02	.06	2	2
L3+00E 0+20S	1	64	8	209	.3	300	9	155	1.36	2	5	ND	2	64	1	2	2	17	.89	.192	10	103	.62	283	.04	6	.95	.03	.06	1	1
L3+00E 0+40S	1	37	12	90	.3	320	24	1158	2.41	5	5	ND	2	70	1	2	4	37	1.15	.065	7	88	1.45	258	.05	7	.91	.02	.06	1	1
L3+00E 0+60S	1	19	8	36	.1	257	14	413	2.70	9	5	ND	2	29	1	2	2	49	.41	.026	10	100	1.55	109	.08	2	1.15	.02	.03	1	3
L3+00E 0+80S	1	20	9	27	.1	146	9	356	2.10	11	5	ND	3	27	1	2	2	44	.47	.051	13	55	.72	61	.09	2	.68	.03	.02	1	2
L3+00E 1+00S	1	30	6	104	.1	631	41	1680	3.67	2	5	ND	1	37	1	2	2	33	.58	.072	7	253	3.45	258	.04	2	.87	.01	.03	1	1
L3+00E 1+20S	3	36	6	258	.3	1748	106	1861	12.25	23	5	ND	3	55	1	2	2	27	.55	.211	6	207	5.27	283	.03	18	.72	.01	.04	1	1
L3+00E 1+40S	1	28	17	116	.1	759	55	1176	5.66	14	5	ND	1	55	1	2	2	34	.44	.154	9	280	2.94	412	.03	2	.66	.01	.04	1	1
L3+00E 1+60S	3	47	182	209	1.7	1348	89	1723	10.27	330	5	ND	3	147	2	2	2	42	.68	.083	11	230	4.61	347	.01	2	.94	.01	.06	1	1
STD C/AU-S	18	63	39	131	7.2	68	28	1043	4.00	38	22	7	40	50	16	16	21	59	.46	.085	37	60	.83	178	.08	31	1.74	.06	.13	12	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B ppm	AL %	NA %	K %	W ppm	AU* ppb
L3+00E 1+80S	1	45	4	164	.1	783	52	1901	5.19	12	5	ND	2	54	1	11	2	40	.78	.148	11	146	5.24	323	.05	3	.96	.02	.10	1	1
L3+00E 2+00S	1	43	4	114	.1	187	22	1435	3.06	3	5	ND	1	47	1	2	2	41	.77	.106	10	96	1.19	415	.06	2	.55	.02	.12	1	1
L3+50E 2+00N	1	39	14	103	.2	102	16	504	4.34	10	5	ND	6	35	1	4	4	72	.54	.056	15	96	1.46	282	.12	7	2.76	.02	.27	1	1
L3+50E 1+80N	1	15	2	59	.1	76	10	222	2.09	5	5	ND	2	28	1	2	4	44	.46	.01	9	88	1.22	159	.12	2	1.30	.02	.09	1	5
L3+50E 1+60N	1	12	2	66	.1	52	6	237	1.76	2	5	ND	2	25	1	2	2	38	.45	.032	10	68	.94	128	.12	10	1.09	.02	.13	1	3
L3+50E 1+40N	1	14	5	61	.3	73	8	210	2.33	4	5	ND	3	32	1	2	2	43	.53	.035	11	87	1.30	148	.11	4	1.39	.02	.11	1	2
L3+50E 1+20N	1	19	2	65	.1	73	13	361	2.84	8	5	ND	2	44	1	2	6	49	.61	.041	10	83	1.21	199	.10	2	1.57	.02	.14	1	1
L3+50E 1+00N	1	28	9	65	.1	73	8	233	2.32	9	5	ND	1	52	1	2	2	42	.79	.027	10	54	.81	158	.05	5	1.46	.02	.12	1	1
L3+50E 0+80N	1	60	9	198	.2	197	22	1403	3.11	8	5	ND	4	35	2	2	4	51	.50	.045	17	79	.95	321	.09	5	2.08	.03	.15	1	1
L3+50E 0+60N	1	27	13	74	.1	92	12	395	3.41	10	5	ND	3	42	1	2	2	59	.72	.046	12	82	1.17	215	.10	2	2.09	.02	.19	1	1
L3+50E 0+40N	1	13	7	65	.3	49	10	583	2.12	2	5	ND	3	25	3	2	2	44	.42	.042	10	47	.57	163	.09	4	.99	.02	.06	1	1
L3+50E 0+20N	1	19	11	180	.1	198	22	964	2.87	2	5	ND	2	20	1	2	3	30	.29	.048	6	162	1.10	236	.05	5	1.01	.02	.02	1	1
L3+50E 0+00N	1	11	2	42	.1	89	12	548	2.19	6	5	ND	2	25	1	2	2	42	.43	.030	10	62	.67	156	.08	12	.98	.02	.02	1	1
L3+50E 0+20S	1	14	9	61	.1	53	10	549	2.30	4	5	ND	3	28	3	2	2	52	.46	.032	10	55	.69	192	.10	5	1.40	.02	.04	1	2
L3+50E 0+40S	1	12	2	36	.1	121	10	304	2.55	7	5	ND	1	26	1	2	2	51	.39	.038	8	92	.80	123	.08	2	1.32	.02	.03	1	1
L3+50E 0+60S	1	38	13	70	.3	133	26	895	4.38	4	5	ND	2	52	2	2	3	93	.67	.050	18	240	2.30	309	.13	3	1.96	.03	.07	1	1
L3+50E 0+80S	1	16	7	43	.1	184	16	552	2.55	2	5	ND	1	23	1	2	2	41	.37	.022	8	75	1.14	162	.07	3	1.56	.02	.04	1	1
L3+50E 1+00S	1	8	4	33	.1	40	7	251	1.66	2	5	ND	2	19	3	2	2	37	.33	.025	8	46	.47	95	.07	9	.77	.02	.03	1	4
L3+50E 1+20S	1	17	2	44	.2	122	17	682	2.84	5	5	ND	1	30	1	2	2	44	.43	.049	6	106	1.07	169	.04	4	1.01	.02	.04	1	1
L3+50E 1+40S	1	25	10	36	.1	293	12	466	2.63	10	5	ND	3	32	1	2	2	45	.57	.041	16	74	1.81	85	.11	2	1.00	.03	.04	1	7
L3+50E 1+60S	1	25	10	43	.2	307	17	581	3.21	7	5	ND	4	40	1	2	2	52	.69	.052	14	103	2.41	124	.12	3	1.22	.03	.06	1	1
L3+50E 1+80S	1	30	6	352	.1	204	21	999	2.74	2	5	ND	1	27	3	2	2	27	.39	.120	7	135	1.39	273	.04	2	.87	.02	.06	1	1
L3+50E 2+00S	1	37	6	49	.2	595	53	1208	6.70	14	5	ND	2	47	1	5	2	45	.56	.156	16	363	2.54	318	.03	5	.82	.01	.07	1	1
L6+00E 3+00N	1	12	3	46	.1	44	9	209	2.28	4	5	ND	2	20	3	2	2	44	.39	.027	6	65	.56	107	.08	3	.96	.02	.09	1	1
L6+00E 2+80N	1	12	3	58	.1	87	11	371	2.50	8	5	ND	3	26	1	2	2	47	.51	.064	8	89	.94	127	.09	2	1.08	.02	.09	1	1
L6+00E 2+60N	1	10	2	91	.1	47	8	294	2.04	4	5	ND	2	22	1	2	2	43	.41	.056	9	65	.67	162	.10	3	1.18	.02	.08	1	1
L6+00E 2+40N	1	14	3	53	.1	64	9	384	2.33	6	5	ND	3	23	1	2	2	46	.45	.045	9	73	.70	136	.09	6	1.07	.02	.09	1	1
L6+00E 2+20N	1	13	2	120	.1	93	14	893	2.57	3	5	ND	3	24	2	2	2	41	.40	.074	8	78	.65	192	.08	2	.94	.02	.06	1	1
L6+00E 2+00N	1	17	6	131	.1	138	21	1177	2.73	5	5	ND	2	29	1	2	2	42	.49	.079	9	67	.74	204	.07	2	1.10	.02	.08	1	1
L6+00E 1+80N	1	10	11	61	.2	81	14	655	1.96	2	5	ND	3	19	4	2	2	32	.30	.024	6	60	.48	157	.06	5	.76	.01	.04	1	1
L6+00E 1+60N	1	11	5	29	.1	149	19	575	1.93	3	5	ND	1	18	2	2	2	25	.21	.059	6	108	.78	200	.04	2	.72	.02	.03	2	1
L6+00E 1+40N	2	22	12	65	.2	238	27	856	4.96	8	5	ND	2	37	2	2	3	51	.44	.077	9	128	1.28	343	.01	2	1.14	.01	.12	1	1
L6+00E 1+20N	1	34	8	63	.3	203	35	1769	4.59	45	5	ND	4	55	1	2	2	56	.73	.091	13	138	1.38	312	.07	7	1.25	.02	.17	1	1
L6+00E 1+00N	1	33	10	85	.2	332	58	1844	5.79	26	5	ND	5	54	2	3	2	65	.64	.143	20	204	1.81	464	.09	8	1.08	.02	.23	1	5
L6+00E 0+80N	1	50	15	77	.3	504	58	1401	6.98	100	5	ND	3	40	3	2	2	49	.39	.081	14	99	.50	235	.04	8	.96	.02	.04	1	27
L6+00E 0+60N	2	41	11	73	.1	147	21	663	3.77	6	5	ND	10	59	1	2	2	67	.74	.131	46	160	1.62	337	.09	2	1.17	.01	.10	1	1
STD C/AU-S	18	62	39	135	7.1	69	29	1066	4.28	42	20	7	41	51	19	17	20	60	.49	.089	38	61	.89	182	.08	37	1.96	.06	.13	14	53

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
L6+00E 0+40N	1	33	2	93	.1	983	68	2136	5.09	11	5	ND	3	38	1	2	2	19	.76	.160	6	69	2.67	247	.02	13	.84	.01	.03	1	1
L6+00E 0+20N	1	53	6	143	.1	517	18	834	2.90	7	5	ND	4	40	1	2	2	39	.74	.056	11	71	1.66	253	.05	2	1.57	.02	.07	1	1
L6+00E 0+00N	1	21	6	44	.2	618	46	800	4.83	11	5	ND	1	24	1	9	2	35	.40	.058	4	148	6.72	188	.02	7	.90	.01	.04	1	1
L6+50E 3+00N	1	7	4	44	.1	92	12	400	2.14	3	5	ND	2	18	1	2	2	36	.39	.040	6	80	.70	112	.07	2	.89	.01	.06	1	1
L6+50E 2+80N	1	12	4	124	.6	60	14	1046	2.20	4	5	ND	4	23	1	2	2	37	.49	.063	8	56	.58	243	.08	2	1.14	.02	.13	1	2
L6+50E 2+60N	1	6	2	64	.5	38	4	115	1.04	2	5	ND	3	16	2	2	2	24	.40	.039	8	53	.62	84	.09	12	.72	.01	.07	1	1
L6+50E 2+40N	18	12	2	4	.2	35	1	2	.10	3	5	ND	1	121	1	2	2	2	2.54	.058	2	8	.51	195	.01	5	.08	.01	.01	1	1
L6+50E 2+20N	2	35	2	82	.6	135	11	298	2.50	7	5	ND	4	44	1	2	2	41	.81	.044	11	79	1.14	195	.08	6	1.52	.02	.11	1	1
L6+50E 2+00N	1	31	19	168	.3	370	25	961	2.83	8	5	ND	2	86	1	2	2	35	1.03	.104	9	66	1.14	199	.07	2	1.41	.02	.07	1	1
L6+50E 1+80N	1	27	11	172	.2	546	30	967	2.41	7	5	ND	2	50	1	2	2	28	.90	.069	6	72	1.24	220	.05	4	1.00	.02	.09	1	1
L6+50E 1+60N	1	18	3	41	.1	355	33	1061	2.94	2	5	ND	1	30	1	2	2	21	.52	.048	3	125	1.46	161	.04	2	.48	.03	.05	2	1
L6+50E 1+40N	1	18	2	80	.5	111	20	762	2.38	3	5	ND	1	29	1	2	2	40	.49	.024	7	53	.47	140	.08	2	.90	.02	.05	1	2
L6+50E 1+20N	1	12	2	32	.2	219	16	304	1.59	2	5	ND	2	38	1	2	2	18	.61	.041	6	56	1.43	118	.06	11	.64	.02	.05	2	1
L6+50E 1+00N	1	16	3	91	.3	127	22	1309	2.57	2	5	ND	2	28	1	2	2	38	.53	.048	7	109	.67	232	.07	7	1.10	.02	.08	1	1
L6+50E 0+80N	1	14	8	89	.1	56	11	645	2.58	7	5	ND	2	33	1	2	2	44	.53	.069	7	41	.52	197	.08	2	1.18	.02	.06	1	1
L6+50E 0+60N	1	15	4	46	.3	46	9	433	2.60	5	5	ND	2	30	1	2	2	48	.47	.042	7	45	.69	218	.11	2	1.32	.02	.07	2	1
L6+50E 0+40N	1	14	12	35	.1	138	14	269	3.15	7	5	ND	2	23	1	2	2	50	.42	.014	7	64	1.03	114	.07	2	1.65	.02	.05	1	1
L6+50E 3+80S	1	22	13	193	.1	249	37	1572	3.72	10	5	ND	1	18	1	2	2	41	.26	.071	7	163	1.72	267	.04	2	1.29	.02	.03	1	2
L6+50E 4+00S	1	28	2	228	.1	625	49	1070	5.68	8	5	ND	2	33	1	6	2	30	.49	.135	5	230	6.22	246	.04	8	.91	.01	.08	1	1
L6+50E 4+20S	1	21	12	85	.1	191	10	356	2.86	10	5	ND	4	28	1	2	2	48	.47	.069	10	57	1.00	167	.09	2	1.45	.02	.11	1	1
L6+50E 4+40S	1	25	9	82	.1	114	19	765	3.32	48	5	ND	3	29	1	2	2	51	.41	.057	10	70	.78	238	.08	2	1.28	.02	.12	1	1
L6+50E 4+60S	1	33	8	46	.1	424	49	1244	4.33	6	5	ND	1	39	1	2	2	34	.48	.093	6	209	2.75	312	.02	5	.84	.02	.05	1	1
L6+50E 4+80S	1	51	8	257	.1	719	39	1251	5.55	4	5	ND	2	19	1	4	2	51	.28	.089	8	444	3.90	79	.04	2	1.60	.01	.02	1	1
L6+50E 5+40S	1	18	13	91	.1	258	26	519	4.37	19	5	ND	2	17	1	2	2	54	.37	.066	6	240	2.94	245	.07	4	1.35	.02	.05	1	1
L6+50E 5+60S	1	32	6	235	.1	122	22	1530	2.43	6	5	ND	1	24	1	2	2	33	.36	.083	8	74	.63	480	.04	2	1.11	.02	.05	1	1
L6+50E 5+80S P	1	26	7	65	.1	221	19	548	2.94	8	5	ND	2	20	1	2	2	41	.40	.043	5	162	2.70	207	.07	9	.99	.02	.05	1	13
L7+00E 3+00N	1	9	5	45	.1	46	9	400	1.95	6	5	ND	3	20	1	2	2	40	.40	.019	8	62	.73	197	.09	3	1.21	.02	.06	1	3
L7+00E 2+80N	1	12	10	75	.3	90	11	293	2.56	3	5	ND	4	20	1	2	2	45	.40	.047	7	66	.69	144	.07	8	1.02	.02	.06	1	1
L7+00E 2+60N	1	9	6	67	.2	86	10	299	2.21	2	5	ND	3	17	1	2	2	37	.34	.056	7	83	.74	131	.07	3	1.00	.02	.05	1	1
L7+00E 2+40N	1	11	2	96	.1	103	17	551	2.52	6	5	ND	3	19	1	2	2	43	.39	.035	7	91	.94	155	.09	15	1.02	.02	.06	1	1
L7+00E 2+20N	1	10	5	45	.2	191	16	393	2.64	3	5	ND	3	21	1	2	2	42	.38	.044	7	111	1.08	146	.08	6	1.09	.02	.05	1	3
L7+00E 2+00N	1	10	5	42	.1	266	22	421	3.14	10	5	ND	3	44	1	2	2	49	.45	.035	9	117	1.55	176	.14	3	1.38	.02	.04	1	1
L7+00E 1+80N	1	9	2	32	.1	185	14	381	2.53	6	5	ND	2	17	1	2	2	42	.26	.021	7	76	.94	120	.07	6	1.04	.02	.03	2	4
L7+00E 1+60N	1	13	9	116	.1	471	30	480	4.21	11	5	ND	3	16	1	2	2	47	.25	.059	7	163	1.14	127	.05	2	1.32	.01	.03	1	1
L7+00E 1+40N	1	27	9	91	.2	147	20	810	4.04	11	5	ND	7	70	1	4	2	74	.49	.063	22	105	2.01	362	.17	2	2.46	.02	.11	1	1
L7+00E 1+20N	2	55	11	476	.1	841	104	1882	9.23	103	5	ND	3	27	1	23	7	44	.39	.117	8	310	.69	258	.04	3	1.52	.01	.04	1	1
STD C/AU-S	19	58	43	129	7.3	69	29	1018	4.21	38	21	6	37	47	19	18	20	56	.48	.079	36	58	.88	185	.08	36	1.87	.06	.13	13	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* PPB
L7+00E 1+00N	1	29	11	59	.1	343	25	788	3.23	14	5	ND	3	43	1	2	2	47	.52	.036	10	90	2.13	355	.06	2	1.70	.02	.08	2	1
L7+00E 0+80N	3	18	14	59	.1	1292	77	1500	8.77	10	5	ND	4	42	1	2	2	64	.50	.041	8	352	3.63	161	.05	2	1.20	.01	.04	1	2
L7+00E 0+60N	1	30	2	6	.2	137	7	463	.58	4	5	ND	1	206	1	2	2	8	3.10	.091	3	21	1.51	198	.01	9	.32	.02	.03	1	1
L7+00E 0+40N	2	39	3	9	.1	642	12	31	.48	3	5	ND	1	155	1	2	4	17	2.61	.063	3	38	1.44	133	.01	8	.26	.01	.01	1	1
L7+00E 0+20N	2	11	2	4	.1	65	1	10	.05	3	5	ND	1	106	1	2	3	1	2.12	.084	2	10	1.92	32	.01	12	.05	.01	.02	1	1
L7+00E 3+80S	1	40	10	214	.1	909	48	2243	3.81	18	5	ND	1	49	3	3	2	31	.66	.171	9	129	2.45	259	.03	3	1.05	.02	.03	4	3
L7+00E 4+00S	1	24	10	55	.4	256	19	659	2.22	4	5	ND	1	39	1	2	3	27	.50	.071	6	184	1.54	359	.03	3	.79	.02	.07	1	2
L7+00E 4+20S	2	46	15	475	.2	318	41	1584	4.40	26	5	ND	3	96	1	2	2	61	1.00	.110	17	196	1.50	345	.07	2	1.23	.02	.08	1	1
L7+00E 4+40S	1	38	23	134	.3	145	31	1099	5.75	73	5	ND	15	65	1	3	2	124	.64	.128	59	229	2.70	599	.26	2	2.55	.01	.66	1	1
L7+00E 4+60S	1	32	12	282	.1	226	39	2062	3.27	9	5	ND	1	38	1	2	2	45	.50	.089	6	179	1.52	326	.06	2	.89	.02	.09	1	1
L7+00E 5+00S	2	20	12	93	.1	217	30	703	3.61	19	5	ND	2	34	1	2	2	52	.55	.068	7	194	2.04	186	.07	2	1.18	.02	.06	2	3
L7+00E 5+20S	1	14	7	78	.2	106	15	497	2.68	12	5	ND	1	14	1	2	2	45	.18	.065	7	141	1.24	138	.07	2	1.05	.02	.05	2	1
L7+00E 5+40S	1	28	4	146	.1	216	30	1145	3.08	10	10	ND	5	25	1	2	3	45	.37	.103	8	149	1.61	283	.07	4	1.18	.03	.07	1	1
L7+00E 5+60S	1	28	10	82	.1	295	25	669	3.42	7	5	ND	1	17	1	4	2	47	.31	.060	6	218	3.79	144	.07	5	.98	.02	.07	1	1
L7+50E 3+00N	1	7	10	63	.2	36	4	127	1.33	5	5	ND	2	18	1	4	3	30	.37	.057	8	59	.61	121	.09	3	.77	.02	.06	1	1
L7+50E 2+80N	1	14	13	99	.3	72	12	373	2.01	5	5	ND	3	24	1	2	2	40	.43	.036	8	73	.69	173	.09	2	1.06	.02	.08	2	1
L7+50E 2+60N	1	17	12	138	.3	99	20	1452	2.43	4	5	ND	2	32	1	2	3	43	.50	.057	8	74	.66	254	.07	2	.97	.02	.07	1	1
L7+50E 2+40N	1	13	5	129	.1	166	20	748	2.73	8	5	ND	3	28	2	2	3	42	.46	.056	7	91	.93	207	.07	3	.87	.02	.07	1	2
L7+50E 2+20N	1	17	2	57	.4	158	19	1036	2.49	5	5	ND	2	26	2	2	2	39	.36	.046	8	80	.95	185	.05	2	.82	.01	.06	1	1
L7+50E 2+00N	1	16	8	134	.6	162	29	1264	3.84	11	5	ND	2	32	1	2	2	62	.45	.081	6	135	1.54	212	.06	2	1.28	.02	.08	1	1
L7+50E 1+80N	1	18	9	58	.1	253	29	1271	3.07	6	5	ND	1	29	1	2	2	34	.42	.066	6	86	1.60	230	.05	2	.80	.02	.05	1	1
L7+50E 1+60N	1	20	6	45	.1	481	46	1085	4.99	11	5	ND	2	34	1	2	2	43	.43	.052	7	202	1.46	209	.05	2	.82	.02	.04	1	2
L7+50E 1+40N	1	60	16	98	.3	280	41	1569	7.42	183	5	ND	4	98	1	2	2	95	1.03	.135	27	96	.63	351	.01	2	1.02	.01	.06	1	5
L7+50E 1+20N	1	28	9	234	.1	922	56	1136	7.03	300	5	ND	5	43	1	2	3	70	.29	.117	11	360	1.17	357	.02	2	1.44	.01	.06	1	1
L7+50E 3+80S	1	11	2	2	.3	32	1	13	.08	2	5	ND	1	66	1	2	2	2	1.07	.051	2	12	1.28	76	.01	6	.07	.01	.01	1	1
L7+50E 4+00S	1	21	3	163	.1	99	6	178	1.28	3	5	ND	1	35	1	2	5	20	.52	.036	5	122	1.47	104	.05	3	.68	.02	.09	1	3
L7+50E 4+20S	1	43	5	36	.1	321	12	367	1.90	7	5	ND	3	116	1	2	2	32	1.37	.048	7	110	1.59	156	.04	5	.85	.02	.05	1	11
L7+50E 4+40S	1	30	7	40	.1	349	21	406	3.53	14	5	ND	3	45	1	2	2	52	.74	.044	5	205	3.23	157	.06	5	1.11	.02	.06	1	1
L7+50E 4+60S	1	23	2	61	.1	421	14	906	1.01	4	5	ND	1	50	1	2	4	14	.93	.100	5	46	1.01	190	.02	7	.49	.02	.06	1	2
L7+50E 4+80S	1	13	7	48	.2	60	5	263	.50	2	5	ND	1	65	1	2	4	8	.99	.064	2	48	.71	122	.02	10	.23	.02	.07	1	1
L7+50E 5+00S	1	22	4	56	.1	142	22	936	2.49	3	5	ND	2	37	1	2	3	37	.50	.078	7	132	1.15	244	.06	5	.89	.03	.09	1	1
L8+00E 3+00N	1	12	15	57	.3	64	10	428	2.13	3	5	ND	5	23	1	6	2	47	.38	.028	9	73	.62	210	.10	2	1.09	.02	.08	1	1
L8+00E 2+80N	1	13	2	54	.5	57	8	265	1.85	8	6	ND	5	26	1	2	3	42	.40	.027	10	77	.85	153	.11	5	1.02	.02	.11	1	1
L8+00E 2+60N	1	8	9	27	.2	36	5	102	1.32	4	5	ND	3	20	3	2	2	37	.36	.031	8	52	.55	127	.09	5	.80	.02	.05	3	1
L8+00E 2+40N	1	12	5	58	.3	76	11	567	2.12	3	5	ND	3	24	1	2	2	43	.39	.040	8	81	.65	168	.10	3	.87	.02	.07	3	1
L8+00E 2+20N	3	30	13	98	.2	180	13	410	3.06	10	5	ND	5	41	1	2	2	53	.59	.045	14	82	1.17	292	.10	2	1.89	.03	.15	1	2
STD C/AU-S	19	63	40	132	7.3	69	29	1047	3.94	41	18	7	40	52	16	16	20	59	.44	.088	39	63	.82	183	.09	33	1.70	.06	.13	12	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L8+00E 2+00N	1	12	2	77	.1	139	15	423	2.46	2	5	ND	1	24	1	3	2	40	.44	.025	6	81	.91	124	.09	2	.92	.02	.04	1	3
L8+00E 1+80N	1	8	2	68	.1	158	19	624	2.05	5	5	ND	1	20	1	2	4	25	.36	.045	5	82	1.15	119	.05	3	.58	.02	.02	1	1
L8+00E 1+60N	1	23	2	76	.2	193	23	769	4.12	7	5	ND	3	31	2	3	2	50	.54	.080	9	96	1.14	168	.07	6	1.20	.02	.05	1	2
L8+00E 1+40N	1	12	2	50	.1	65	10	414	2.31	2	5	ND	2	21	1	2	2	46	.38	.026	9	62	.86	183	.11	2	1.30	.02	.06	1	1
L8+00E 1+20N	1	13	2	49	.1	89	11	415	2.30	2	5	ND	1	22	1	2	2	42	.39	.026	7	71	.75	161	.10	2	1.15	.02	.05	1	1
L8+00E 1+00N	1	20	5	48	.1	321	33	1621	4.22	6	5	ND	1	23	2	2	2	50	.32	.050	7	238	1.86	291	.05	8	1.19	.02	.92	1	7
L8+00E 0+80N	1	19	2	79	.1	645	55	1253	5.75	13	5	ND	1	33	3	5	2	43	.38	.076	6	223	4.41	231	.04	7	1.05	.01	.04	1	1
L8+00E 0+60N	1	23	2	110	.1	286	21	734	3.64	12	5	ND	1	28	1	2	2	54	.39	.063	10	87	1.25	255	.06	2	1.49	.02	.04	1	2
L8+00E 0+40N	1	8	2	22	.1	98	11	306	1.94	2	5	ND	1	16	1	3	3	28	.21	.015	6	60	.68	101	.06	7	.67	.02	.02	1	2
L8+00E 0+20N	1	48	2	78	.2	138	11	432	3.74	9	5	ND	3	58	1	2	2	57	.91	.036	15	75	1.80	294	.08	7	2.20	.02	.11	1	1
L8+00E 0+00N	1	50	2	95	.3	1515	28	785	3.11	7	5	ND	1	32	3	2	2	19	.57	.091	8	57	2.84	148	.03	14	.95	.02	.03	1	3
L8+00E 3+80S	1	20	2	70	.3	229	31	1488	3.40	4	5	ND	1	27	3	2	2	41	.47	.064	4	176	2.38	258	.05	10	.92	.02	.06	1	1
L8+00E 4+00S	1	38	2	114	.1	221	40	2908	3.26	5	5	ND	1	36	3	2	2	43	.56	.074	7	142	1.82	364	.05	12	1.25	.02	.08	1	1
L8+00E 4+20S P	1	18	3	55	.1	405	39	951	4.23	8	5	ND	1	21	1	4	2	39	.33	.060	3	252	5.41	154	.05	10	.95	.02	.06	2	1
L8+00E 4+40S	1	20	2	62	.1	187	21	807	2.20	5	5	ND	1	23	1	2	3	32	.31	.045	6	106	1.51	139	.04	2	.93	.03	.04	2	1
L8+00E 4+60S P	1	20	5	170	.4	225	20	914	2.33	3	5	ND	2	31	1	2	2	27	.52	.068	5	183	2.52	169	.04	3	.79	.02	.05	1	1
L8+00E 4+80S	1	52	2	98	.2	331	22	543	1.97	4	8	ND	2	24	4	3	5	31	.37	.038	12	91	1.32	129	.06	4	1.03	.02	.05	1	1
L8+50E 3+80S	1	15	5	341	.2	149	22	789	2.94	2	5	ND	1	13	1	2	4	42	.21	.059	6	152	1.43	236	.06	4	1.37	.02	.05	1	21
L8+50E 4+00S	1	18	5	82	.5	225	26	767	3.17	2	5	ND	1	30	1	2	2	38	.34	.048	4	153	1.57	218	.05	4	.93	.02	.05	1	1
L8+50E 4+20S	1	12	2	41	.1	119	16	443	2.66	2	5	ND	1	32	4	2	2	38	.41	.032	4	137	.95	146	.05	2	.75	.01	.03	2	1
L8+50E 4+40S	1	20	2	55	.1	200	14	631	2.00	3	5	ND	1	49	1	2	2	26	.64	.042	3	114	2.60	156	.04	9	.62	.02	.06	1	1
L8+50E 4+60S P	1	124	2	72	.1	495	5	157	1.34	2	5	ND	1	95	1	2	2	15	1.88	.090	8	56	1.69	231	.02	7	.67	.02	.02	1	1
L8+50E 4+80S	1	162	2	239	.6	777	6	244	1.21	4	5	ND	1	103	1	2	2	12	2.11	.098	10	53	1.53	229	.02	8	.64	.02	.04	2	1
L8+50E 5+00S	1	47	5	59	.1	111	11	434	2.89	13	5	ND	3	44	1	4	2	51	1.12	.054	12	66	1.03	148	.08	2	1.25	.03	.08	1	6
L8+50E 5+20S	1	91	10	69	.3	140	14	951	2.32	3	5	ND	1	50	1	2	2	34	1.16	.046	8	83	.94	262	.06	8	.95	.02	.11	1	3
L9+00E 5+00S	1	14	2	145	.2	143	30	1540	2.35	2	5	ND	1	19	1	2	2	22	.26	.067	4	129	1.20	161	.03	2	.59	.02	.06	1	1
L9+00E 5+20S	1	6	2	30	.1	56	8	145	1.62	2	5	ND	1	13	1	2	2	25	.24	.018	4	87	.60	64	.07	2	.58	.01	.04	2	1
L9+00E 5+40S	1	16	4	50	.2	270	28	787	3.98	4	5	ND	1	15	1	2	3	45	.24	.033	5	263	1.89	226	.06	2	1.13	.01	.02	1	1
L9+00E 5+60S	1	34	2	95	.1	891	40	1219	4.50	14	5	ND	1	35	1	4	2	36	.65	.099	8	217	2.13	274	.03	5	1.09	.01	.05	1	29
L9+00E 5+80S	1	26	2	174	.4	1239	84	1373	5.54	10	5	ND	1	32	1	4	2	27	.46	.090	5	313	3.52	265	.03	9	.80	.02	.03	1	6
L9+00E 6+00S	2	43	13	142	.4	141	31	1693	5.01	36	5	ND	3	68	1	5	2	55	.74	.148	15	102	.97	372	.06	2	1.12	.01	.15	4	1
L9+50E 5+00S	1	51	3	406	.1	1565	35	1224	2.22	2	5	ND	1	51	3	2	2	14	.96	.158	5	96	3.39	237	.02	8	.67	.01	.03	1	1
L9+50E 5+20S	1	23	8	96	.3	201	29	1454	2.90	5	5	ND	1	31	1	2	2	28	.55	.087	5	180	1.15	235	.04	8	.66	.02	.10	1	119
L9+50E 5+40S	1	36	2	261	.1	557	42	1127	3.91	2	5	ND	1	46	3	2	2	30	.63	.120	7	161	1.81	327	.04	5	1.04	.02	.03	1	2
L9+50E 5+60S	1	10	5	31	.1	83	11	302	1.87	2	5	ND	1	15	1	4	3	28	.28	.014	5	110	.66	96	.08	2	.64	.01	.05	2	1
L9+50E 5+80S	1	28	2	70	.2	110	18	800	2.48	7	5	ND	1	23	1	3	2	42	.39	.032	7	115	1.07	160	.08	2	1.01	.01	.05	1	1
STD C/AU-S	17	59	36	132	6.9	67	27	1032	4.12	37	20	7	40	49	19	14	20	57	.46	.086	37	61	.85	175	.08	36	1.80	.05	.12	11	51

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L9+50E 4+00S	1	13	4	31	.1	189	12	283	1.87	2	5	ND	2	17	1	2	2	29	.30	.022	7	158	1.56	159	.06	2	.90	.01	.03	1	1
L10+00E 5+00S	2	29	8	177	.2	180	35	2587	1.88	2	5	ND	1	48	3	2	2	17	1.06	.124	5	88	1.46	355	.03	12	.54	.01	.12	1	1
L10+00E 5+20S	1	12	6	55	.2	111	20	1129	2.69	2	5	ND	1	17	1	2	2	33	.32	.030	5	150	1.12	169	.07	6	.85	.02	.09	1	1
L10+00E 5+40S	2	15	8	118	.1	173	27	1106	3.41	7	5	ND	1	19	1	2	2	48	.30	.089	5	176	1.63	213	.05	5	1.28	.02	.07	1	1
L10+00E 5+60S	2	25	11	159	.2	190	33	1503	4.03	12	5	ND	2	25	1	2	2	56	.35	.088	7	195	1.73	333	.06	4	1.45	.01	.07	1	1
L10+00E 5+80S	1	30	6	345	.1	336	33	1209	3.16	4	5	ND	1	32	1	3	2	31	.51	.077	5	181	3.82	287	.05	5	.89	.01	.07	1	1
L10+00E 6+00S	1	21	5	61	.3	106	14	1083	1.77	4	5	ND	1	32	1	2	3	28	.57	.047	7	79	.73	271	.05	3	.81	.01	.07	1	1
L10+50E 5+20S	1	36	9	257	.1	166	29	2256	2.68	3	5	ND	1	36	2	2	2	31	.62	.100	6	77	.97	390	.05	5	.80	.01	.08	1	1
L10+50E 5+40S	1	17	7	67	.1	205	24	962	2.72	4	5	ND	1	18	1	2	2	25	.26	.057	5	114	1.58	223	.03	4	.74	.01	.05	1	1
L10+50E 5+60S	2	28	6	186	.2	335	35	1514	4.05	7	5	ND	3	21	1	2	2	43	.36	.091	6	256	3.79	312	.06	8	1.09	.01	.07	1	1
L10+50E 5+80S	1	24	8	169	.1	270	29	815	4.60	9	5	ND	4	18	1	2	2	60	.31	.106	7	277	2.80	243	.08	3	1.60	.02	.05	1	1
L10+50E 6+00S	1	34	8	149	.1	270	29	1115	3.27	8	5	ND	2	27	1	2	2	42	.50	.098	9	198	1.91	262	.06	2	1.13	.01	.09	1	4
L11+00E 5+00S	1	28	5	152	.2	373	30	1067	3.65	6	5	ND	2	22	1	3	2	38	.40	.097	6	178	3.81	291	.06	4	.99	.01	.08	1	1
L11+00E 5+20S	2	30	9	331	.1	125	27	2092	2.86	5	5	ND	1	34	1	2	2	38	.64	.116	6	115	.93	520	.05	2	1.14	.01	.08	1	1
L11+00E 5+40S	1	13	2	62	.1	120	20	732	2.98	4	5	ND	2	14	1	2	2	45	.22	.052	5	157	1.15	174	.06	3	1.15	.02	.05	1	1
L11+00E 5+60S	2	40	12	247	.1	235	35	2387	3.98	11	5	ND	3	32	1	2	2	50	.53	.130	10	180	1.60	655	.06	3	1.39	.01	.08	1	1
L11+00E 5+80S	1	25	11	181	.2	203	27	1599	3.65	6	5	ND	2	25	1	2	2	47	.40	.086	7	195	1.74	413	.06	2	1.33	.01	.06	1	1
L11+00E 6+00S	1	70	12	407	.2	277	45	2568	2.65	4	5	ND	1	60	8	2	2	30	1.11	.181	8	112	1.29	605	.03	3	1.04	.02	.10	1	1
STD C/AU-S	17	60	36	132	6.8	63	26	1018	3.92	36	20	6	37	47	16	17	21	55	.46	.083	35	64	.82	174	.08	32	1.70	.05	.12	12	48

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

Master
nts. ATL:n Recon.
11.Bc 10YN.13
PAR

.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: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 4 1987 DATE REPORT MAILED: Sept 16/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

HOMESTAKE MINERALS PROJECT-PA-5710 File # 87-3891 Page 1

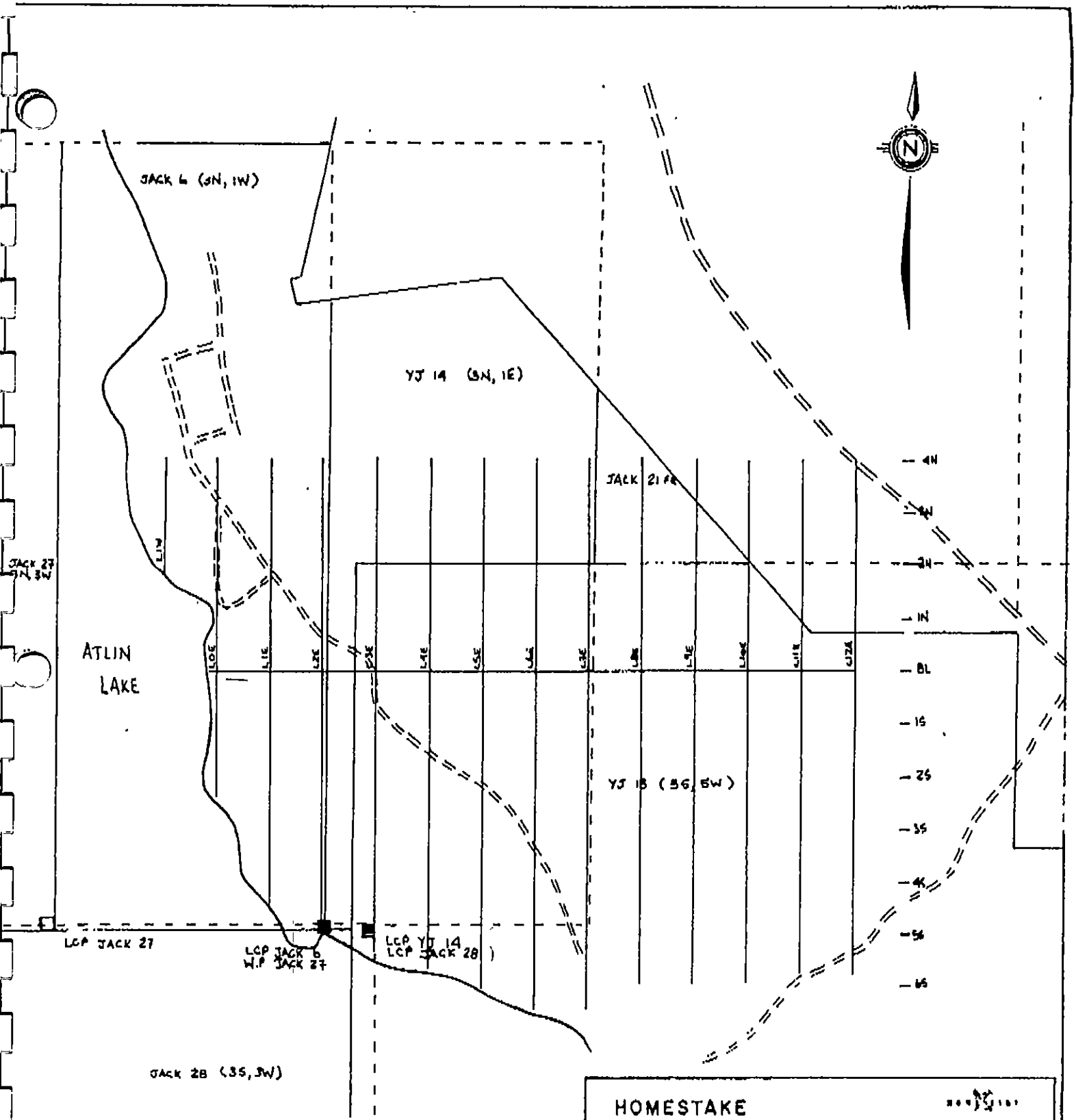
SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPB	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L1+60W 3+40N A	1	23	13	91	.1	847	66	1132	3.03	15	5	ND	3	39	1	2	2	17	.49	.199	5	165	3.06	223	.02	15	.68	.01	.05	1	11
L1+60W 3+20N	4	54	126	79	1.9	1677	99	967	7.36	130	5	ND	2	43	2	8	2	20	.46	.094	3	277	8.88	111	.01	17	.56	.01	.02	1	14
L1+40W 4+00N	1	34	49	91	.3	186	19	622	3.38	17	5	ND	3	48	1	2	2	51	.84	.079	10	108	1.47	216	.09	8	1.33	.02	.26	1	53
L1+40W 3+80N	1	46	18	89	.3	165	19	791	3.43	14	5	ND	4	47	2	2	2	54	.76	.054	11	85	1.24	225	.10	6	1.45	.02	.20	1	1
L1+40W 3+60N	1	29	20	78	.5	187	25	865	3.62	13	5	ND	4	29	1	2	2	61	.43	.029	11	91	.97	205	.09	5	1.43	.02	.12	1	1
L1+40W 3+40N	1	22	22	127	.1	500	64	1261	4.87	14	5	ND	2	52	2	2	2	47	.73	.121	9	133	1.13	274	.04	6	1.31	.01	.04	1	3
L1+40W 3+20N A	1	22	12	82	.1	449	35	797	2.33	8	5	ND	2	94	1	2	2	21	1.44	.145	5	68	1.48	400	.02	25	.69	.02	.06	1	2
L1+40W 3+00N A	2	33	22	105	.3	1327	62	1426	5.12	18	5	ND	4	59	1	2	2	40	.87	.255	9	142	2.49	447	.03	18	1.49	.01	.13	1	2
L1+40W 2+80N	1	13	8	53	.1	1565	124	1209	4.89	5	5	ND	1	15	1	9	2	14	.19	.084	3	361	15.63	102	.01	14	.48	.01	.03	1	3
L1+20W 4+00N	1	25	17	219	.3	224	30	1018	3.39	7	5	ND	3	37	3	2	2	47	.64	.105	9	86	1.55	234	.08	25	1.22	.02	.17	1	4
L1+20W 3+80N	3	54	61	95	.2	500	50	1164	7.21	32	5	ND	4	51	1	2	2	60	.76	.105	15	187	2.73	361	.04	8	1.52	.01	.16	1	42
STD C/AU-S	19	62	41	135	7.4	72	29	1100	4.17	39	21	8	42	52	18	17	20	62	.49	.092	40	59	.89	184	.09	35	1.84	.06	.14	13	50
L1+20W 3+60N	1	23	21	74	.3	185	18	510	2.98	12	5	ND	3	26	2	2	2	46	.41	.059	8	114	1.19	207	.07	22	1.12	.02	.08	1	5
L1+20W 3+40N	1	20	8	76	.1	1030	67	1038	6.26	7	5	ND	2	33	1	6	2	17	.38	.140	4	179	7.06	258	.02	25	.64	.01	.03	1	4
L1+20W 3+20N	2	29	13	100	.2	351	23	1314	3.82	8	5	ND	3	73	1	2	2	29	1.11	.169	15	64	1.76	479	.01	11	1.39	.01	.08	1	1
L1+20W 3+00N	1	24	32	86	.2	817	54	1384	5.02	14	5	ND	2	32	1	2	2	20	.43	.120	4	129	4.35	175	.02	8	.61	.01	.05	1	1
L1+20W 2+80N	1	14	14	48	.1	532	63	1292	5.58	8	5	ND	2	37	1	2	2	29	.47	.081	4	321	2.93	259	.03	4	.76	.01	.03	1	1
L1+20W 2+60N	6	33	16	48	.5	1320	75	620	10.19	61	5	ND	2	25	1	10	4	20	.25	.130	3	304	1.16	99	.01	6	.47	.01	.03	2	9
L1N 4+00N	1	20	6	35	.1	197	10	267	2.66	15	5	ND	2	28	1	2	2	52	.46	.036	10	54	.55	100	.08	23	.96	.02	.07	1	3
L1N 3+80N	8	110	112	147	3.0	141	40	1449	12.06	154	5	ND	4	168	8	2	2	92	2.47	.257	18	51	.80	225	.01	20	.57	.01	.08	1	665
L1N 3+60N	3	67	25	329	1.0	1162	102	1748	10.32	257	5	ND	2	113	5	3	2	30	1.04	.161	6	245	2.27	365	.02	8	.61	.01	.05	1	44
L1N 3+40N	1	28	11	157	.1	562	69	2068	5.03	21	5	ND	1	59	1	2	2	23	.65	.189	5	201	2.23	384	.02	11	.72	.02	.04	1	15
L1N 3+20N	1	53	9	92	.3	340	31	1076	3.46	12	5	ND	2	65	1	2	2	35	.82	.123	8	114	1.19	591	.03	4	.98	.01	.06	1	1
L1N 3+00N	1	50	35	300	.4	280	34	2295	2.81	16	5	ND	2	98	4	2	2	25	1.29	.144	6	67	.72	574	.02	7	.69	.02	.06	1	1
L1N 2+80N	1	9	28	44	.1	180	17	535	1.49	24	5	ND	1	25	1	4	3	12	.31	.044	2	29	.26	114	.01	2	.17	.01	.01	4	1
L1N 2+60N	2	36	103	368	1.1	447	25	2475	5.09	29	5	ND	3	120	11	3	2	36	1.54	.235	10	47	1.00	581	.01	9	.93	.01	.09	1	1
L0+80W 4+00N	3	48	47	171	.2	246	44	1739	9.16	31	5	ND	6	71	1	2	2	106	.71	.203	36	136	1.53	430	.08	2	1.59	.01	.16	1	1
L0+80W 3+80N	3	46	33	148	.6	178	40	1774	6.62	37	5	ND	4	83	3	2	2	64	.98	.192	26	83	.81	415	.03	2	.83	.01	.10	1	1
L0+80W 3+60N	4	58	69	164	.8	290	51	2296	9.34	53	5	ND	4	93	4	2	2	84	1.13	.146	11	147	2.00	720	.06	4	1.46	.02	.12	1	1
L0+80W 3+40N	1	47	39	179	.7	314	47	1858	5.43	48	5	ND	3	101	4	2	2	46	1.04	.137	10	134	1.45	497	.04	2	.97	.01	.06	1	1
L0+80W 3+20N	1	35	22	77	.4	346	43	1638	4.54	10	5	ND	2	55	1	2	2	43	.54	.085	8	126	1.19	738	.03	2	1.00	.01	.04	1	1
L0+80W 3+00N	1	31	19	199	.1	207	28	1688	3.90	6	5	ND	2	68	1	2	2	41	.95	.169	14	46	1.01	1062	.02	2	1.29	.01	.06	1	2
L0+80W 2+80N	2	22	8	94	.2	849	61	2112	6.11	12	5	ND	2	72	1	6	2	27	1.31	.154	4	206	7.41	410	.02	8	.65	.01	.04	1	2
L0+80W 2+60N	2	20	13	124	.4	48	11	1694	4.10	7	5	ND	3	85	1	2	2	29	1.12	.119	21	20	.37	383	.01	2	1.00	.01	.11	1	1
L0+80W 2+40N	1	37	31	584	.5	170	16	2335	2.49	8	5	ND	2	69	4	2	2	24	.65	.076	10	38	.43	547	.02	13	1.20	.02	.05	1	1
L0+80W 2+20N	1	20	9	94	.1	591	79	1550	4.64	6	5	ND	2	38	1	2	2	24	.33	.158	4	298	5.64	254	.01	10	.72	.01	.03	1	1
L0+60W 4+00N	1	26	24	124	.5	205	48	2575	5.63	26	5	ND	3	64	3	2	2	33	.65	.177	11	128	.89	363	.02	7	.78	.01	.08	1	1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L0+60W 3+80N	2	49	15	194	.5	148	45	2017	8.15	43	5	ND	4	126	4	3	2	24	1.39	.267	7	39	.36	288	.01	12	.52	.01	.07	1	1
L0+60W 3+60N	3	161	73	1320	1.3	224	53	3083	7.81	40	5	ND	7	152	28	2	2	99	1.74	.299	26	131	1.22	738	.09	4	1.63	.01	.15	1	1
L0+60W 3+40N	1	38	25	174	.4	235	31	1212	3.92	25	5	ND	3	55	2	2	2	56	.86	.141	10	88	1.05	261	.07	4	1.31	.01	.14	1	2
L0+60W 3+20N	1	38	15	98	.4	131	31	1656	4.85	12	5	ND	5	80	1	5	2	94	.83	.098	19	220	1.89	397	.16	6	1.87	.03	.20	1	1
L0+60W 3+00N	1	41	15	162	.3	539	46	1485	5.63	7	5	ND	2	42	1	2	2	45	.56	.082	6	196	1.45	567	.04	2	1.06	.01	.04	1	1
L0+60W 2+80N A	1	40	17	175	.2	591	26	1376	3.34	5	5	ND	2	84	1	2	2	39	1.15	.187	7	74	1.87	644	.02	13	.67	.01	.07	1	1
L0+60W 2+60N	1	34	26	104	.2	559	37	721	6.25	16	5	ND	2	51	1	2	2	56	.63	.144	13	208	1.48	373	.03	3	1.01	.01	.07	1	2
L0+60W 2+40N	1	53	7	140	.2	435	33	673	3.39	10	5	ND	2	62	1	2	2	38	.69	.074	9	154	1.09	346	.05	2	1.20	.02	.05	1	1
L0+60W 2+20N	1	81	18	59	.4	368	51	1446	2.92	9	5	ND	3	79	2	2	2	28	1.17	.132	7	139	1.32	497	.03	7	.79	.01	.07	1	1
L0+60W 2+00N A	1	114	20	693	.6	171	28	2919	2.43	11	5	ND	2	95	15	2	2	17	1.41	.104	6	32	.36	388	.03	31	.62	.03	.09	1	1
L0+60W 1+80N	1	48	4	72	.3	560	30	727	3.64	13	5	ND	3	75	1	2	2	57	.99	.069	9	114	1.65	237	.08	19	1.40	.04	.10	1	2
L0+40W 4+00N	1	17	10	82	.2	596	55	1032	6.12	10	5	ND	2	23	1	2	2	38	.25	.090	5	499	3.74	165	.03	18	.89	.01	.04	1	1
L0+40W 3+80N	1	46	1*	62	.3	113	39	1178	7.06	45	8	ND	14	75	1	2	2	123	.71	.295	81	111	.85	367	.07	16	1.25	.01	.09	1	1
L0+40W 3+60N A	1	55	29	238	.5	260	66	3099	3.74	18	5	ND	3	83	7	2	2	37	.95	.175	12	94	.64	578	.04	17	.78	.02	.10	1	1
L0+40W 3+40N	8	285	10310	27*5	109.6	638	99	2813	12.57	398	5	ND	3	122	91	32	26	28	1.16	.284	7	216	1.48	281	.02	3	.64	.01	.07	8	875
L0+40W 3+20N	2	99	538	370	5.6	235	54	2450	8.31	89	5	ND	3	101	11	5	2	69	.77	.210	12	*6	.52	412	.03	13	.86	.01	.11	1	*
L0+40W 3+00N	1	27	35	53	.4	121	14	517	1.91	7	5	ND	1	29	1	2	3	28	.35	.074	7	85	.74	259	.05	13	.82	.02	.04	1	11
L0+40W 2+80N	1	63	20	100	.7	426	46	2044	5.54	49	5	ND	2	122	2	3	2	36	1.17	.186	9	94	1.89	570	.03	4	.75	.01	.10	1	1
L0+40W 2+60N	4	77	34	466	1.4	170	46	2166	12.10	51	5	ND	10	112	2	2	2	121	1.02	.258	50	60	.68	367	.01	2	1.44	.01	.06	1	8
L0+40W 2+40N	2	47	17	101	.4	442	68	1843	5.55	13	5	ND	2	55	1	2	2	40	.80	.149	8	17*	1.52	32*	.03	5	.81	.01	.08	1	1
L0+40W 2+20N	1	57	9	68	.4	402	40	1651	6.79	9	5	ND	2	41	1	4	2	129	.76	.039	4	208	5.66	324	.05	12	3.84	.01	.05	1	1
L0+40W 2+00N	1	48	54	873	.1	693	53	2311	4.34	20	5	ND	2	52	5	2	2	36	.73	.096	9	126	1.27	361	.03	4	1.45	.01	.04	2	1
L0+40W 1+80N	1	43	77	237	1.3	350	30	1157	3.00	14	5	ND	2	77	2	2	2	30	1.60	.141	10	74	1.52	235	.02	23	.61	.01	.11	1	1
L0+20W 3+80N	1	21	77	93	.3	441	51	1144	5.56	11	5	ND	2	40	1	4	2	51	.53	.099	9	313	3.74	269	.04	8	1.02	.01	.07	1	2
L0+20W 3+60N	1	33	18	54	.4	203	44	1756	4.53	14	5	ND	3	49	1	2	2	63	.47	.082	20	173	2.10	409	.08	17	1.31	.02	.09	1	1
L0+20W 3+40N	3	48	34	110	1.5	329	40	1195	8.27	185	5	ND	7	72	1	9	2	151	.85	.136	37	327	3.42	438	.19	2	3.14	.01	.10	1	1
L0+20W 3+20N	2	78	22	135	1.0	164	38	1372	7.69	50	5	ND	5	148	1	5	2	89	1.83	.245	31	157	2.03	440	.03	4	1.52	.01	.07	1	2
L0+20W 3+00N	2	50	31	77	.5	201	38	1605	8.25	44	7	ND	5	77	2	2	2	75	.62	.145	22	93	.56	771	.01	11	1.23	.01	.05	1	1
L0+20W 2+80N	1	21	15	144	.1	224	25	1687	4.84	13	5	ND	2	124	1	2	2	31	.97	.111	12	47	.44	757	.01	2	1.02	.01	.10	1	1
L0+20W 2+60N	1	23	23	64	.2	243	33	969	5.39	30	5	ND	3	55	1	2	3	65	.63	.069	15	140	1.00	251	.05	8	1.24	.01	.15	1	1
L0+20W 2+40N	1	16	8	93	.2	873	68	851	5.71	18	5	ND	1	36	1	2	2	29	.48	.084	3	628	6.20	125	.02	18	1.33	.01	.05	1	1
L0+20W 2+20N	3	36	22	79	.7	527	50	1009	8.74	23	5	ND	8	81	1	5	2	168	.87	.153	44	404	6.10	361	.27	22	4.04	.01	.09	1	2
L0+20W 2+00N	1	69	11	163	.7	123	29	1928	6.37	14	5	ND	7	189	2	2	2	80	2.53	.267	41	88	1.28	401	.05	11	1.14	.01	.33	1	2
L0+20W 1+80N	1	31	8	173	.1	163	16	665	1.99	9	5	ND	2	74	2	2	2	34	1.34	.096	9	54	1.15	136	.05	8	.66	.02	.12	1	1
L0+20W 1+60N	1	75	329	216	3.6	496	56	1450	5.21	38	5	ND	2	97	4	2	2	57	1.27	.136	18	198	2.15	402	.06	7	1.24	.01	.10	1	63
L0E 4+00N	1	11	24	41	.2	316	23	397	3.46	9	5	ND	2	26	1	2	2	43	.33	.028	6	224	2.41	119	.06	5	.87	.01	.03	2	1
STD C/AU-S	18	61	40	134	7.0	69	28	1040	4.11	40	18	7	39	51	18	17	22	59	.48	.088	38	61	.85	180	.08	37	1.79	.06	.13	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* PPB
L0E 3+80N	1	32	11	78	.4	586	30	527	2.86	6	5	ND	6	40	1	2	2	33	.50	.073	9	276	4.91	194	.04	15	1.07	.01	.06	1	1
L0E 3+60N	1	35	13	52	.1	202	18	585	3.12	14	5	ND	6	42	1	2	4	54	.94	.060	14	127	1.62	140	.08	14	1.09	.02	.07	1	5
L0E 3+40N	1	33	47	88	.2	556	38	910	5.18	37	5	ND	8	40	1	2	2	71	.52	.101	20	215	2.84	174	.07	6	1.57	.01	.10	1	16
L0E 3+20N	3	89	366	234	7.7	235	42	1986	9.78	85	5	ND	8	117	3	6	14	76	1.23	.269	34	127	1.33	213	.02	2	1.01	.01	.11	1	66
L0E 3+00N	7	68	701	284	10.3	717	56	2637	12.71	585	5	ND	10	75	4	6	2	80	.57	.165	38	149	1.37	174	.02	2	1.43	.01	.08	1	300
L0E 2+80N	1	47	99	198	.7	260	24	1320	3.52	26	5	ND	3	131	1	2	2	38	1.55	.160	12	104	1.39	402	.03	14	.87	.01	.13	1	1
L0E 2+60N	1	49	21	114	.3	425	26	882	4.15	24	5	ND	5	74	1	2	2	56	1.42	.135	16	154	2.09	271	.07	11	1.24	.02	.15	1	3
L0E 2+40N A	7	24	6	11	.1	351	5	53	.30	2	87	ND	1	245	1	2	3	7	3.84	.081	2	17	1.38	279	.01	16	.18	.02	.02	1	1
L0E 2+20N A	1	26	13	73	.2	355	10	479	1.04	6	5	ND	1	152	1	2	3	16	3.12	.106	6	48	1.64	290	.01	17	.35	.01	.03	1	2
L0E 2+00N	1	42	2	81	.3	871	26	643	4.99	24	5	ND	10	134	1	3	2	79	2.04	.202	29	202	3.44	245	.10	2	1.61	.04	.10	1	4
L0E 1+80N	1	31	14	73	.1	908	47	740	1.96	6	5	ND	4	80	1	2	4	24	.84	.058	8	92	1.43	263	.04	9	.87	.03	.09	1	1
L0E 1+60N	1	69	21	141	.2	540	80	3149	3.23	9	5	ND	1	107	4	2	3	29	1.47	.151	8	144	2.26	464	.02	8	.71	.01	.12	1	1
L0+20E 4+00N	1	20	8	63	.3	194	22	592	3.17	9	5	ND	4	32	1	2	5	53	.47	.046	10	154	1.77	253	.07	5	1.54	.01	.08	1	3
L0+20E 3+80N	1	13	22	51	.3	347	27	462	4.08	8	8	ND	4	20	1	2	3	47	.28	.036	8	310	2.84	217	.05	6	1.09	.01	.05	1	2
L0+20E 3+60N	2	21	12	87	.3	161	21	807	2.57	8	5	ND	3	17	1	2	5	41	.20	.038	8	139	1.14	278	.05	5	1.08	.02	.04	1	1
L0+20E 3+40N	1	40	26	93	.3	252	38	1581	3.73	28	5	ND	2	54	3	2	3	50	.61	.139	10	139	.73	404	.05	6	1.17	.01	.07	1	1
L0+20E 3+20N	1	86	16	380	1.0	416	39	1649	2.42	10	7	ND	4	91	13	2	2	31	.97	.183	13	62	.52	418	.04	5	.96	.01	.11	1	1
L0+20E 3+00N	1	36	10	71	.1	141	15	612	3.16	16	5	ND	7	40	1	2	6	62	.51	.035	14	82	.88	182	.09	34	1.58	.03	.07	1	2
L0+20E 2+80N A	2	56	22	546	.1	1878	137	2887	8.66	17	5	ND	4	74	13	2	2	44	.78	.221	10	332	1.48	675	.03	5	1.17	.01	.04	1	1
L0+20E 2+60N	1	39	11	287	.1	1063	61	1634	3.70	7	5	ND	2	93	2	5	2	26	1.18	.138	5	378	5.60	573	.02	12	.74	.01	.04	1	1
L0+20E 2+40N	1	47	33	110	.2	393	36	1100	5.19	14	5	ND	7	39	2	2	4	76	.42	.089	30	173	1.57	343	.07	3	1.60	.01	.11	1	1
L0+20E 2+20N	1	32	18	68	.3	157	34	1479	5.02	21	5	ND	5	33	1	2	3	65	.32	.153	20	153	.94	334	.04	15	1.27	.02	.10	1	1
L0+20E 2+00N	1	32	9	117	.1	627	57	1817	4.40	11	5	ND	2	93	1	2	3	32	1.13	.172	6	419	2.61	371	.02	2	.85	.01	.07	1	1
L0+20E 1+80N	12	66	23	138	.5	139	46	2325	12.60	47	8	ND	13	60	2	5	2	119	.70	.207	40	219	2.25	591	.11	8	2.00	.01	.51	1	1
L0+20E 1+60N	2	69	19	475	.6	133	22	2068	3.92	15	5	ND	3	137	6	2	2	39	2.00	.146	14	43	.48	841	.02	4	.92	.01	.17	2	1
L0+40E 4+00N	1	16	10	67	.1	253	33	936	3.52	10	5	ND	3	34	1	2	3	43	.45	.038	9	233	2.16	295	.05	5	1.15	.01	.06	1	1
L0+40E 3+80N	1	16	15	67	.1	483	58	1299	6.03	34	5	ND	5	28	1	2	3	50	.39	.056	8	393	2.16	306	.04	6	1.18	.01	.04	1	1
L0+40E 3+60N	2	21	5	84	.3	353	41	885	5.10	20	5	ND	5	35	1	3	3	51	.39	.069	9	261	2.32	290	.01	8	1.30	.01	.07	1	1
L0+40E 3+40N	1	14	9	50	.1	94	5	93	.65	2	5	ND	2	26	1	3	2	13	.31	.042	6	85	.84	202	.03	5	.51	.02	.04	1	3
L0+40E 3+20N	1	27	19	70	.6	722	48	1222	8.23	63	5	ND	4	40	1	3	2	55	.43	.084	7	456	4.47	371	.02	6	1.06	.01	.04	1	5
L0+40E 3+00N	1	133	752	1437	3.6	951	75	4877	5.78	103	5	ND	7	112	24	2	2	55	.85	.152	29	106	.83	965	.03	2	1.64	.01	.06	3	6
L0+40E 2+60N	1	32	35	174	.1	635	72	2141	5.31	16	5	ND	2	41	1	6	2	43	.47	.113	8	420	3.19	512	.03	6	.92	.01	.07	1	1
L0+40E 2+40N	2	35	66	289	.9	621	57	1525	9.04	48	5	ND	5	128	2	2	2	94	.95	.186	25	258	1.70	337	.08	2	1.71	.01	.10	1	1
L0+40E 2+20N	1	25	23	124	.1	234	48	1384	4.94	16	5	ND	4	39	1	2	4	64	.40	.128	15	213	1.57	282	.03	17	1.31	.02	.09	1	1
L0+40E 2+00N	1	38	36	112	.3	257	53	2527	5.38	16	5	ND	4	47	2	2	5	63	.48	.101	12	223	1.61	601	.05	4	1.35	.01	.09	1	1
L0+40E 1+80N	1	42	153	564	1.0	77	29	2889	7.11	18	5	ND	4	59	20	2	2	29	.66	.106	11	31	.25	468	.01	2	.69	.01	.10	1	1
STD C/AU-S	19	63	43	131	7.5	72	28	1069	4.07	44	23	7	44	52	20	18	22	61	.47	.094	41	64	.84	179	.09	33	1.77	.06	.13	11	51

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
L0+40E 1+60N	5	125	64	395	1.8	190	43	2625	9.52	47	5	ND	9	181	7	2	2	85	1.95	.272	44	101	1.36	557	.08	5	1.47	.01	.31	1	15
L0+50E 4+00N	1	20	2	47	.2	318	23	429	3.17	11	5	ND	2	23	1	2	2	45	.40	.031	6	267	3.18	131	.07	6	1.02	.01	.05	1	1
L0+60E 3+80N	1	27	5	59	.4	382	60	1367	4.33	15	5	ND	3	24	1	2	2	80	.46	.084	3	430	6.32	220	.10	4	1.83	.02	.05	1	1
L0+60E 3+60N	1	20	31	59	.2	278	41	1023	4.63	33	5	ND	2	26	1	2	2	53	.35	.055	6	208	1.26	268	.04	11	1.21	.02	.13	1	1
L0+60E 3+40N	1	31	11	65	.5	129	26	1572	3.44	15	5	ND	2	36	1	2	2	48	.39	.083	8	94	.71	425	.03	4	1.04	.01	.08	1	1
L0+60E 3+20N	2	27	7	117	.6	500	60	1877	6.28	169	5	ND	2	43	1	2	2	39	.45	.097	8	169	3.00	476	.02	2	.87	.01	.05	1	1
L0+60E 3+00N	1	21	9	160	.2	795	81	2334	7.00	19	5	ND	2	40	1	2	2	37	.50	.203	5	705	4.45	422	.02	33	.86	.01	.06	1	29
L0+60E 2+80N	3	73	20	171	.5	342	54	3073	6.24	46	5	ND	2	63	3	2	2	51	.79	.147	9	199	1.31	569	.04	3	.96	.01	.10	1	3
L0+60E 2+40N	1	20	9	250	.1	473	59	1834	7.20	12	5	ND	1	26	1	2	2	30	.32	.159	4	637	1.65	195	.02	18	.77	.01	.03	1	1
L0+60E 2+20N	1	29	9	69	.2	135	20	780	3.63	13	5	ND	2	25	1	2	2	62	.47	.055	6	139	.92	243	.09	7	1.31	.03	.05	1	1
L0+60E 2+00N	1	27	253	361	1.1	390	41	1192	5.89	115	5	ND	2	48	6	3	2	72	.55	.087	8	202	.95	296	.05	2	1.46	.01	.04	2	6
L0+60E 1+80N	1	57	36	218	.5	192	38	2038	4.98	23	5	ND	2	51	4	2	2	74	.70	.119	11	115	.61	362	.05	2	1.30	.01	.06	1	1
L0+60E 1+60N	1	39	21	194	.4	270	48	1995	5.14	20	5	ND	3	51	3	2	2	54	.72	.098	14	149	1.00	375	.03	4	1.02	.01	.15	1	1
L0+80E 4+00N	1	10	5	41	.2	114	14	353	2.45	9	5	ND	3	26	1	2	2	42	.45	.020	7	131	1.29	129	.09	3	1.11	.02	.12	1	1
L0+80E 3+80N	1	15	3	50	.1	135	19	579	2.84	10	5	ND	3	22	1	2	2	43	.40	.036	6	154	1.05	167	.09	18	.97	.02	10	1	1
L0+80E 3+60N	1	19	11	38	.1	241	24	1083	3.36	10	5	ND	2	15	1	2	2	31	.22	.041	5	230	1.08	189	.05	3	.75	.01	.03	1	1
L0+80E 3+40N	1	12	9	41	.1	147	14	498	3.04	9	5	ND	3	24	1	2	2	46	.35	.035	8	146	1.03	161	.08	2	1.12	.01	.09	1	1
L0+80E 3+20N	1	30	13	178	.2	656	53	2188	4.35	11	5	ND	2	76	1	2	2	25	.99	.185	6	227	1.85	534	.02	6	.85	.01	.05	1	1
L0+80E 2+80N	1	16	8	76	.1	1403	64	1272	5.59	9	5	ND	1	25	1	5	2	42	.31	.129	3	705	13.59	146	.01	20	.69	.01	.03	1	9
L0+80E 2+60N	1	42	10	156	.4	120	18	1907	2.59	9	5	ND	1	43	1	2	2	42	.61	.106	9	87	1.12	455	.06	19	1.35	.02	.11	1	1
L0+80E 2+40N	1	29	4	71	.3	265	20	719	3.93	25	5	ND	3	44	1	2	2	51	.72	.061	12	149	1.99	198	.05	16	1.23	.02	.07	1	1
L0+80E 2+20N	1	37	5	58	.2	191	16	511	3.60	23	5	ND	5	37	1	3	2	58	.90	.041	13	139	1.61	161	.09	9	1.31	.02	.06	1	4
L0+80E 2+00N	1	33	13	72	.2	508	37	1025	5.95	41	8	ND	4	38	1	2	2	73	.84	.054	8	259	3.39	183	.06	16	1.82	.02	.09	1	1
L0+80E 1+80N	1	34	13	138	.5	95	21	1709	5.27	21	5	ND	2	52	2	2	2	57	.74	.125	8	61	.52	308	.04	6	1.00	.01	.12	1	3
L0+80E 1+60N	2	30	7	180	.4	57	31	1741	6.79	11	5	ND	2	19	1	2	2	132	1.10	.083	3	78	1.65	264	.23	2	2.55	.17	.55	1	1
L1E 4+00N	1	29	3	84	.3	176	15	249	2.69	9	5	ND	3	29	1	2	2	42	.48	.034	7	197	1.25	203	.09	2	1.59	.02	.10	1	1
L1E 3+80N	1	22	7	82	.1	162	13	248	2.31	15	5	ND	3	28	1	2	2	41	.46	.029	8	98	1.03	174	.10	2	1.32	.02	.10	1	1
L1E 3+60N	1	16	2	56	.1	184	20	441	3.45	13	5	ND	4	25	1	2	2	48	.45	.031	8	198	1.37	186	.09	5	1.31	.02	.13	1	1
L1E 3+40N	1	24	5	60	.4	178	25	830	3.57	15	5	ND	2	26	1	2	2	54	.33	.052	7	173	1.38	236	.07	3	1.55	.01	.08	1	1
L1E 3+20N	1	14	2	35	.1	103	12	502	2.83	11	5	ND	1	23	1	2	3	55	.32	.034	8	109	.95	228	.07	2	1.23	.01	.03	1	1
L1E 3+00N	1	26	7	66	.3	80	15	709	3.48	15	5	ND	4	30	1	2	3	66	.42	.020	9	90	1.35	352	.08	2	2.30	.02	.07	1	4
L1E 2+80N	1	17	2	66	.1	972	37	703	4.49	8	5	ND	2	25	1	4	2	33	.33	.133	4	490	9.98	114	.01	14	.66	.01	.03	1	1
L1E 2+60N	1	28	36	280	.2	856	74	1330	5.44	9	5	ND	2	47	3	2	2	30	.68	.160	4	555	3.12	245	.02	6	.72	.01	.04	1	1
L1E 2+40N	1	33	13	107	.3	200	22	1006	3.53	21	5	ND	2	52	1	3	2	52	.80	.092	9	121	1.19	277	.05	3	1.09	.01	.10	1	2
L1E 2+20N	2	53	12	143	.6	123	32	1590	7.32	36	5	ND	5	103	1	2	2	97	1.01	.136	29	213	1.22	482	.05	2	1.68	.01	.14	1	1
L1E 2+00N	1	46	2	132	.3	273	42	1295	7.58	13	5	ND	7	73	2	2	2	120	.70	.176	46	188	1.20	540	.05	8	1.34	.01	.17	1	1
STD C/AU-S	19	60	36	131	7.0	67	27	1027	4.01	43	20	7	39	49	17	18	22	58	.46	.083	37	65	.83	177	.08	31	1.75	.06	.13	11	40

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
L1E 1+80N	1	31	8	105	.2	239	24	884	4.09	16	5	ND	3	49	1	2	2	61	.85	.079	11	111	1.39	218	.05	3	1.24	.02	.08	1	4
L1E 1+60N	1	31	11	116	.3	279	46	1432	3.82	8	5	ND	2	39	2	2	5	42	.47	.072	9	154	1.48	249	.05	12	.85	.02	.09	1	1



HOMESTAKE
MINERAL DEVELOPMENT COMPANY

SOUTH ATLIN PROPERTY

LAKE GROUP OF CLAIMS

GRID LOCATION MAP

DRAWN	DATE	FILE CODE	
Revised			

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,545

SCALE 1:1000

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

SOUTH ATLIN PROPERTY
EAST SHEET

SOIL GEOCHEMISTRY (AG)

ALL VALUES IN PPM

DRAWN	DATE	FILE CODE	
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Revised

PITS EXPOSING ANOMALOUS QTZ-CARB VNS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,545

0m 10m 20m 30m 40m 50m
1:1000

HOMESTAKE MINERAL DEVELOPMENT COMPANY

SOUTH ATLIN PROPERTY
WEST SHEET

SOIL GEOCHEMISTRY (AU)

ALL VALUES IN PPB

DRAWN	DATE	FILE CODE	
DFM	01/88		

Revised

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,545

SCALE 1:1000

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

SOUTH ATLIN PROPERTY
EAST SHEET

SOIL GEOCHEMISTRY (AU)

ALL VALUES IN PPB

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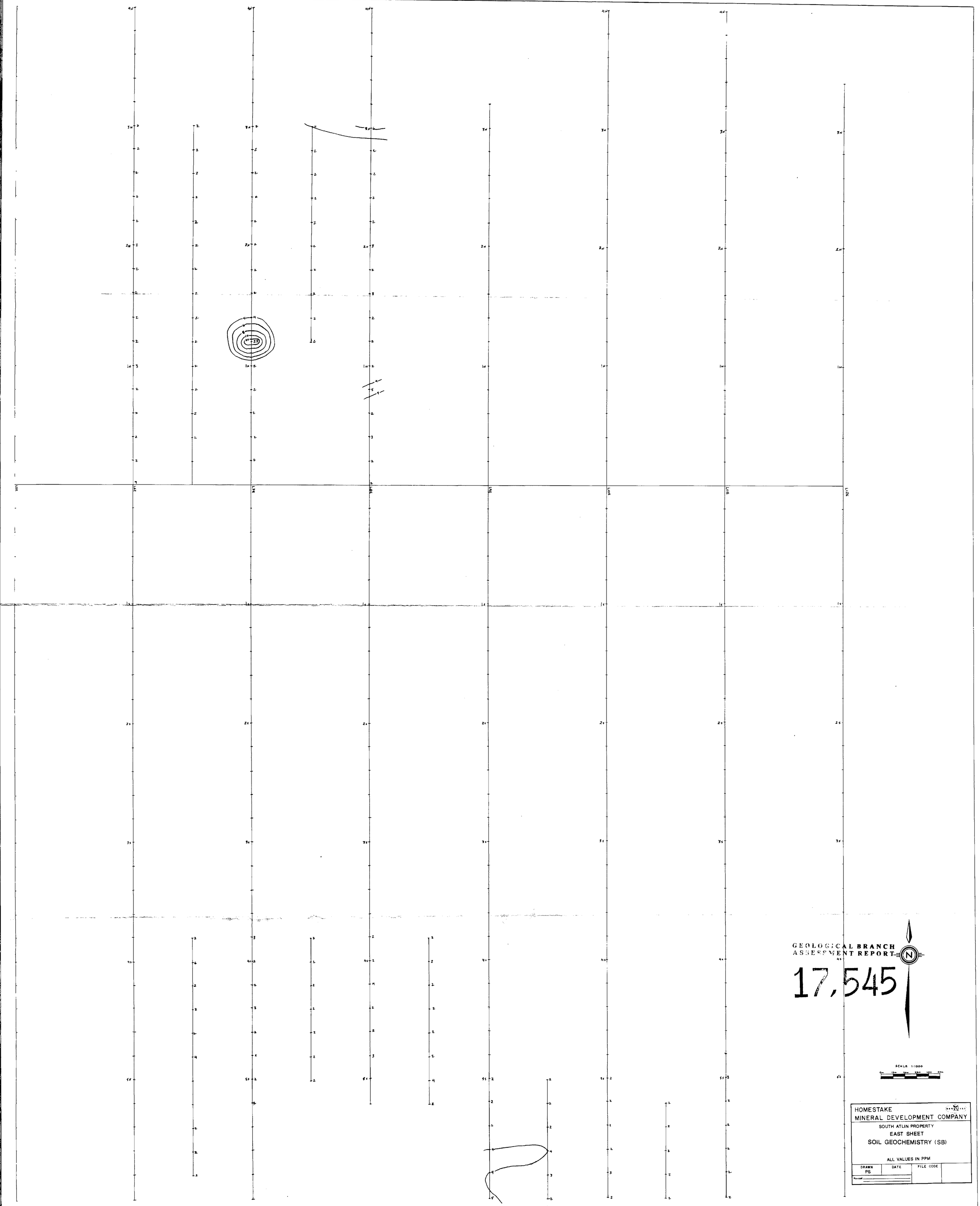
PS			
Revised			


GEOLOGICAL BRANCH
ASSESSMENT REPORT
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SCALE 1:1000
HOMESTAKE
MINERAL DEVELOPMENT COMPANY
SOUTH ATLIN PROPERTY
EAST SHEET
SOIL GEOCHEMISTRY (SB)
ALL VALUES IN PPM
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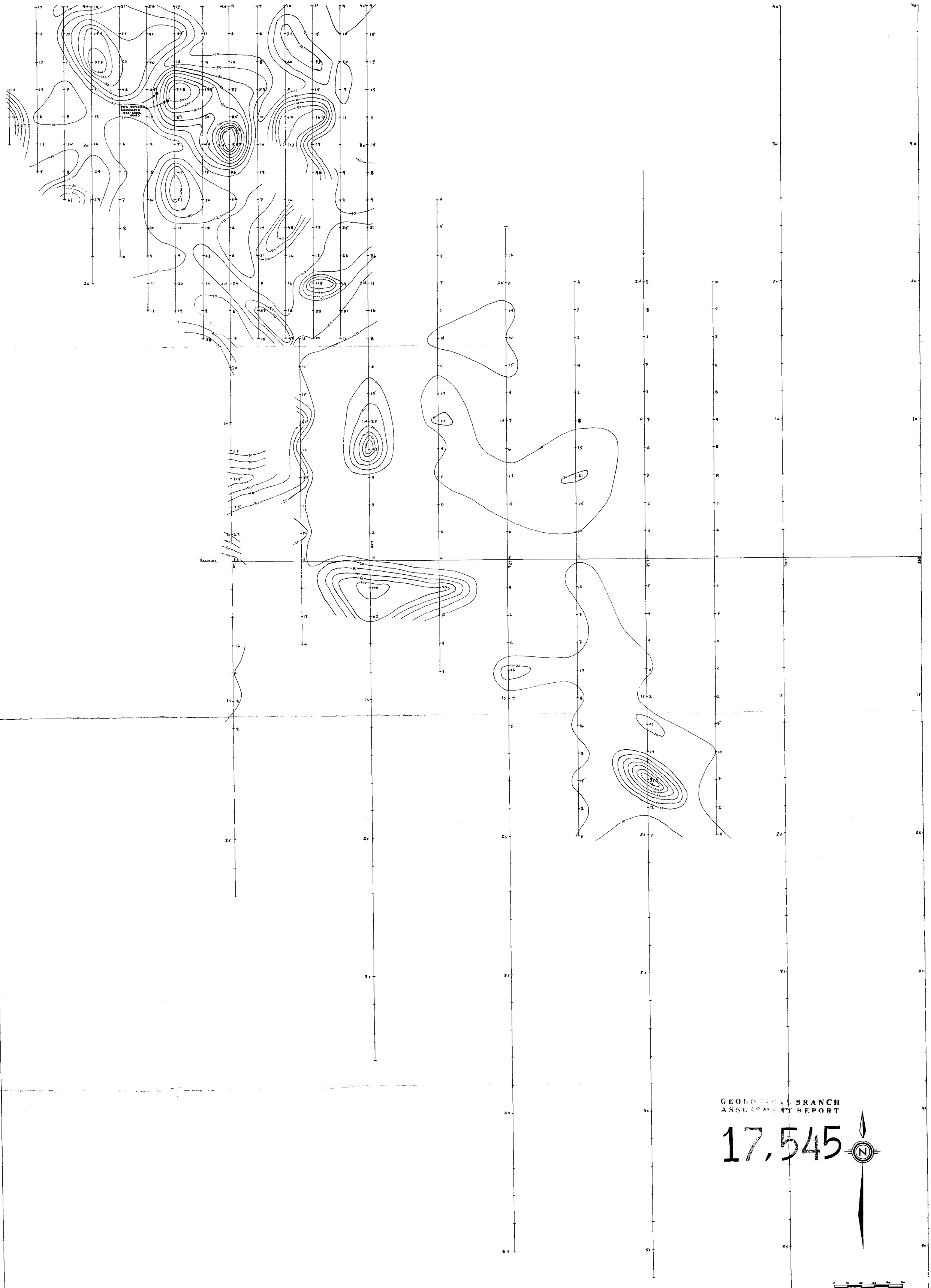
DATE
FILE CODE
Revised


BIG RAINBOW ANOMALOUS QTZ-CARB. VEINS
BASELINE
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SOUTH ATLIN PROPERTY
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FILE CODE
Revised


GEOLOGICAL BRANCH
ASSESSMENT REPORT
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HOMESTAKE
MINERAL DEVELOPMENT COMPANY
SOUTH ATLIN PROPERTY
SOIL GEOCHEMISTRY (AS)
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ALL VALUES IN PPM
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Revised

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

SOUTH ATLIN PROPERTY
WEST SHEET

SOIL GEOCHEMISTRY (AG)

(ALL VALUES IN PPM)

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DFM	01/88		

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HOMESTAKE
MINERAL DEVELOPMENT COMPANY
SOUTH ATLIN PROPERTY
WEST SHEET
SOIL GEOCHEMISTRY (Sb)
ALL VALUES IN PPM
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DATE
01/88
FILE CODE
Revised

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

SOUTH ATLIN PROPERTY
EAST SHEET

SOIL GEOCHEMISTRY
COMBINED BASE METALS : Cu+Pb+Zn

ALL VALUES IN PPM

DRAWN	DATE	FILE CODE	
PS			
Revised			

N

SCALE 1:1000

PITS EXPOSING ANOMALOUS Qtz-CARB VEINS

LINE 11800N

LINE 8100S

LINE 9100S

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,545

0m 10m 20m 30m 40m 50m
1:1000

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

SOUTH ATLIN PROPERTY
WEST SHEET

SOIL GEOCHEMISTRY