SUMMARY REPORT OF MINERAL EXPLORATION
ACTIVITY ON THE PICTOU PROPERTY
(MINING LEASE 32, WEST GROUP OF CLAIMS)

ATLIN MINING DISTRICT,
BRITISH COLUMBIA

NTS: 104N.12E

LATITUDE: 59° 34' NORTH

LONGITUDE: 133°40' WEST

OWNER: SHIRLEY CONNOLLY

OPERATOR: HOMESTAKE MINERAL DEVELOPMENT COMPANY LTD.

BY: DUNCAN MCIVOR

DATE: JANUARY 1988

TABLE OF CONTENTS

LIST OF FIGURES

<u>LIST OF APPENDICES</u>

1. PICTOU PROPERTY; 1:1000 GEOLOGY MAP (WITH SAMPLE LOCATION, GOLD AND TRACE ELEMENT GEOCHEMISTRY).

2. PICTOU PROPERTY: 1:100 MAIN SHOWING GEOLOGY (WITH GOLD GEOCHEMISTRY)

   PICTOU PROPERTY: 1:100 MAIN SHOWIN TRACE ELEMENT GEOCHEMISTRY

   PICTOU PROPERTY: 1:200 MAIN SHOWING (PRE-STRIPPING) GEOLOGY (WITH GOLD AND TRACE ELEMENT GEOCHEMISTRY)

3. PICTOU PROPERTY: 1:1000 SOIL GEOCHEMISTRY MAP, CONTOURED Au

   PICTOU PROPERTY: 1:1000 SOIL GEOCHEMISTRY MAP, CONTOURED Ag

   PICTOU PROPERTY: 1:1000 SOIL GEOCHEMISTRY MAP, CONTOURED As

   PICTOU PROPERTY: 1:1000 SOIL GEOCHEMISTRY MAP, CONTOURED Sb

   PICTOU PROPERTY: 1:1000 SOIL GEOCHEMISTRY MAP, CONTOURED COMBINED BASE METALS (Cu + Zn + Pb).

   ORIENTATION SURVEY, MAIN SHOWING (Au, Ag, As, Sb, CMB)

4. PICTOU PROPERTY: 1:5000 GROUND MAGNETOMETER SURVEY, TOTAL FIELD DATA

   PICTOU PROPERTY: 1:5000 GROUND MAGNETOMETER SURVEY, TOTAL FIELD CONTOUR PLAN

   PICTOU PROPERTY: 1:5000 GROUND MAGNETOMETER SURVEY, VERTICAL GRADIENT DATA

   PICTOU PROPERTY: 1:5000 GROUND MAGNETOMETER SURVEY, VERTICAL GRADIENT CONTOUR PLAN

   PICTOU PROPERTY: 1:5000 VLF-EM LINE PROFILE PLOTS

   PICTOU PROPERTY: 1:5000 VLF-EM FRASER FILTER DATA

   PICTOU PROPERTY: 1:5000 VLF-EM FRASER FILTER CONTOUR PLAN

5. - 1:2500 INDUCED POLARIZATION SURVEY CONTOURED CHARGEABILITY (N = 1)

   - 1:2500 INDUCED POLARIZATION SURVEY CONTOURED CHARGEABILITY (N = 2)

   - 1:2500 INDUCED POLARIZATION SURVEY CONTOURED RESISTIVITY (N = 2)

6. RAW ICP GEOCHEMICAL DATA

7. PICTOU PROPERTY; 1:1000 GEOLOGY, GEOPHYSICS, GEOCHEMISTRY COMPILATION.

1. SUMMARY

The Pictou Property, which consists of two reverted crown grants currently under lease until 1997, is situated two kilometers due east of the town of Atlin, in northwestern British Columbia.

The property covers a historic Au-Ag showing that has seen sporadic exploration since 1899, but no production.

During the period June through October 1987, Homestake Mineral Development Company Ltd. completed a detailed exploration program on the property, that included geological mapping, lithogeochemical sampling, soil geochemical sampling, geophysical (Mag, VLF-EM, IP) survey coverage and power stripping/trenching.

Geological mapping indicated that the property was underlain predominantly by ultramafic intrusive rocks, both serpentinized and in places intensely altered to a silica-carbonate-mariposite/fuchsite "listwanite" type assemble. Minor andesitic volcanics, and intrusive feldspar porphyry were also noted on the property.

In the course of mapping, 163 rock samples were collected from the property, and analyzed for Au and a suite of 30 additional elements. The best results came from the historically known "main showing" where a series of quartz and quartz carbonate veins cut silica-carbonate-mariposite altered ultramafic rocks. Grab samples from these veins returned values as high as 16.9 g/t Au and 278 g/t Ag. Two other areas of the property were identified as carrying anomalous gold values to as high as 595 ppb.

A soil geochemical survey was completed over all portions of the property interpreted as being underlain by silica-carbonate-mariposite altered ultramafic. Several strong Au, Ag, As, Sb and combined base metals (Cu + Pb + Zn) anomalies were delineated, four of which were coincident strong multi-element anomalies that warrant further attention.

Total field magnetics, vertical gradient magnetics, VLF-EM and IP surveys were completed over the property. The magnetic surveys aided in differentiating silica-carbonate-mariposite altered ultramafics from serpentinized ultramafics in areas of poor exposure, as did the IP survey, the serpentinized ultramafics being characterized by a very strong chargeability signature. No IP anomalies that represent sulphide responses were detected on the property. The results of the VLF-EM survery were inconclusive.

A power stripping and trenching program over the "Main Showing" exposed approximately 400 square meters. A general east-west trending series of thin quartz/quartz-carbonate veins and related shear zones were exposed. Numerous grab samples from these thin veins returned gold values in the 15 to 60 g/t range, and silver values in the 200-450 g/t range. The best chip channel sample returned from detailed sampling of the exposure was 14.3 g/t over 2 meters.

2. INTRODUCTION

2.1 Scope of Report

This report covers all exploration activity completed by Homestake Mineral Development Company on the Pictou Property, during the period June through October 1987.

2.2 Location, Access and Physiography

The Pictou Property, which consists of two Reverted Crown Grants currently under lease, is situated two kilometers due east of the town of Atlin, in northwestern British Columbia. (See figures 1 and 2).

The property is located in the southeast corner of a small mineral reserve, withdrawn from staking in the early 1980's as sites for any future housing development in the area.

Access to the property is excellent, via either a gravel road extending north from the Warm Bay housing sub-division, which bounds the southern edge of the property, or via the Atlin airstrip, which crosses the northwest corner of the property.

All infrastructure requirements for potential development, including power, water and road access, are readily available, as are, unfortunately, the problems inherant with exploration and development in populated areas.

Outcrop exposure on the property constitutes approximately 20% of the area, with minimal relief by local standards. The remainder of the property is covered by a thin mantle of glacial and fluvial sediments. Pine Creek flows south to Atlin Lake immediately east of the property, and fluvial sand and gravel from its flood plain and channel covers the easternmost portion of the property.

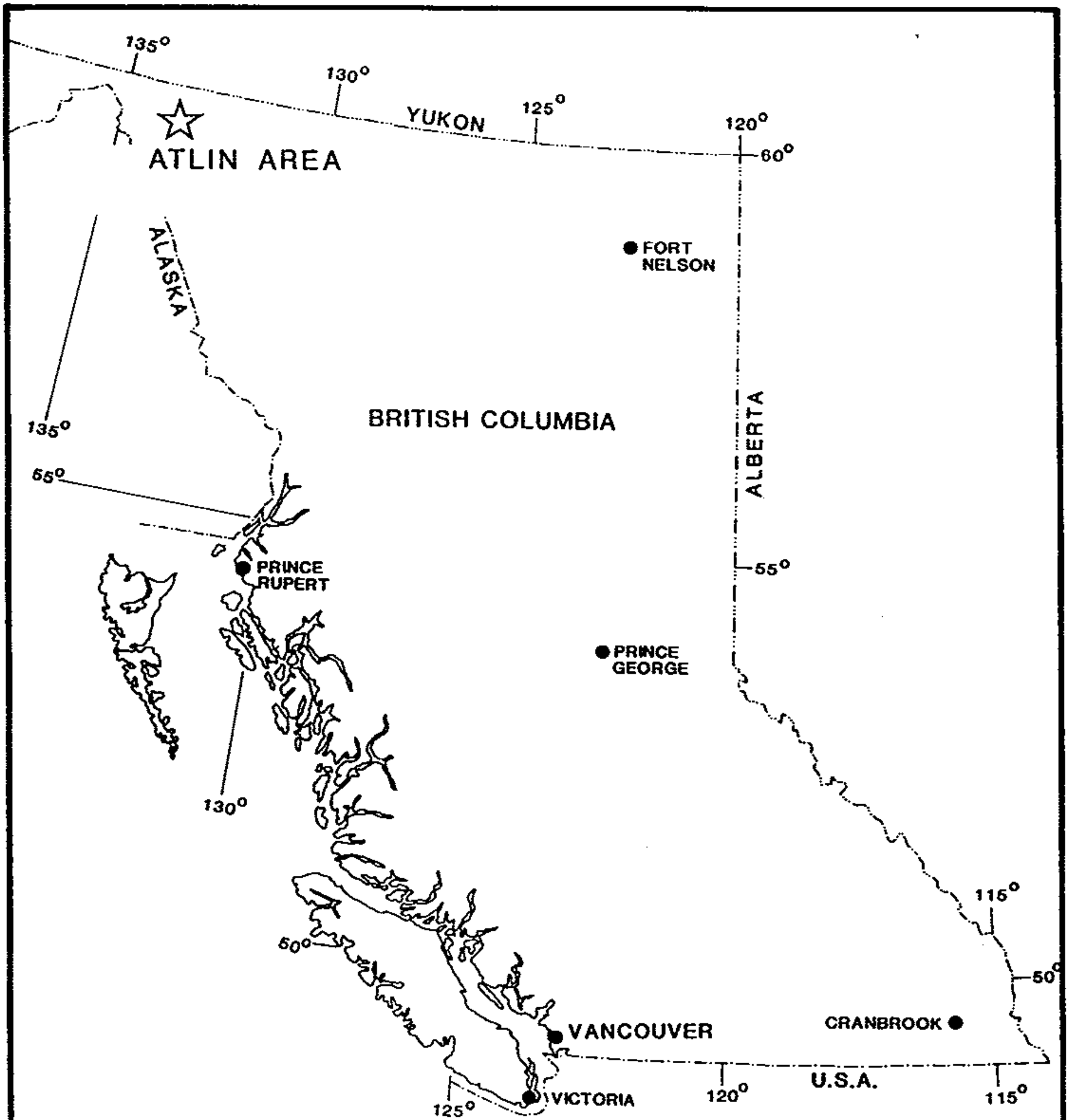
A mixed Uplands Forest of poplar, spruce and pine covers the claim group, which has only been sparsely logged for local domestic use.

2.3 Claim Status

The property, as mentioned, consists of two contiguous Reverted Crown Grants, each measuring approximately 450 meters square, and together forming a north-south oriented rectangular property 900 meters by 450 meters. Both claims were located in 1933. The southern claim (L5643) is known as the "Pictou", the northern (L5644) "Scarab". These claims were brought to lease in September of 1966 (Mining Lease No. 32) by its then owner, Mr. T. Connolly, and this year, the lease was renewed by Homestake Mineral Development Company, on behalf of the current owner, Mrs. S. Connolly, from whom the property is currently under option. The two claims are now in good standing until September of 1997.

2.4 General Geological Setting

The Pictou Property lies near the western edge of the northwest trending "Atlin Terrane", which is underlain by Upper Paleozoic oceanic crustal rocks (Monger, 1975). These rocks are correlated with the Cache Creek Group rocks of southern and central British Columbia.

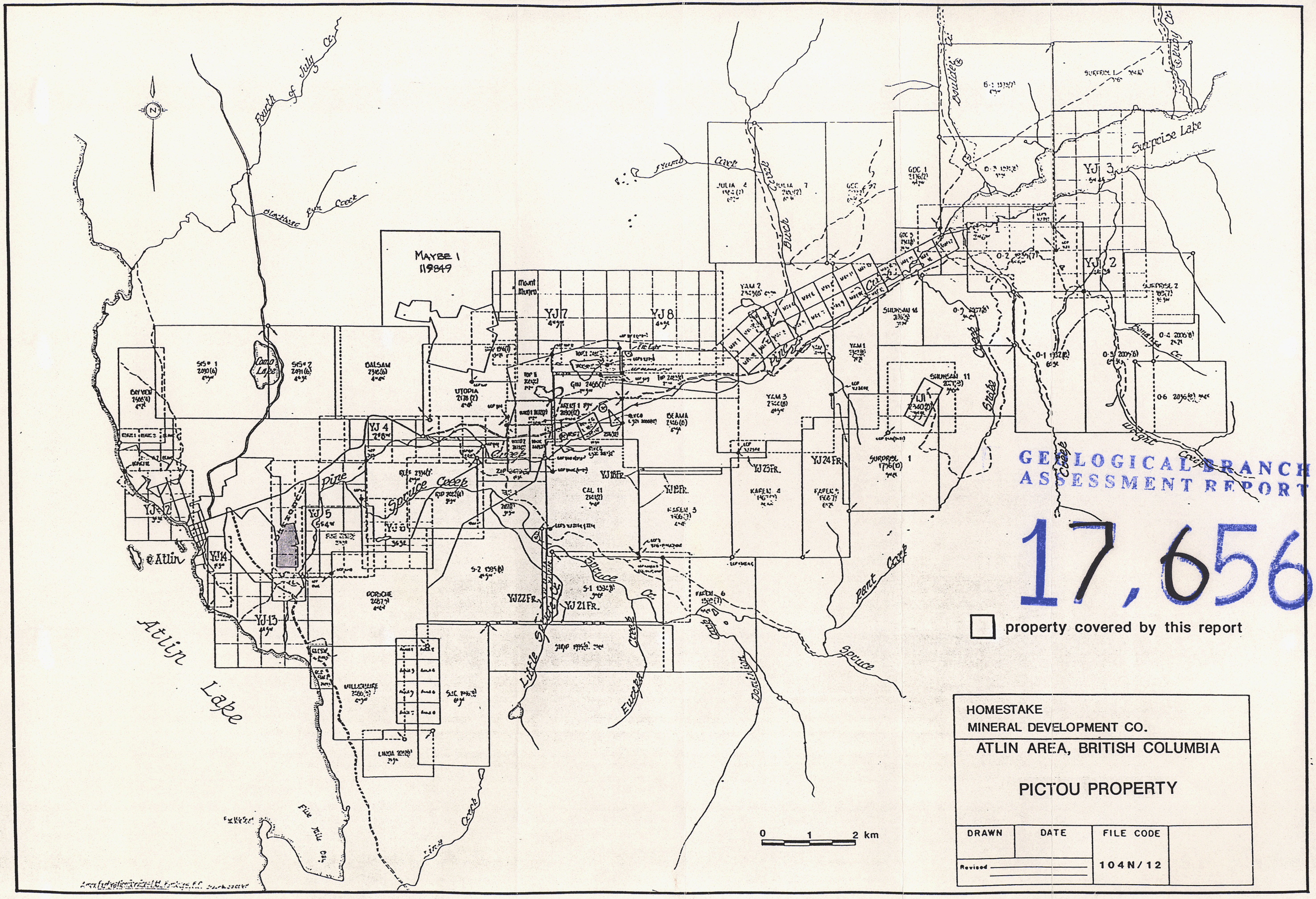


HOMESTAKE
MINERAL DEVELOPMENT COMPANY

ATLIN PROJECTS
BRITISH COLUMBIA

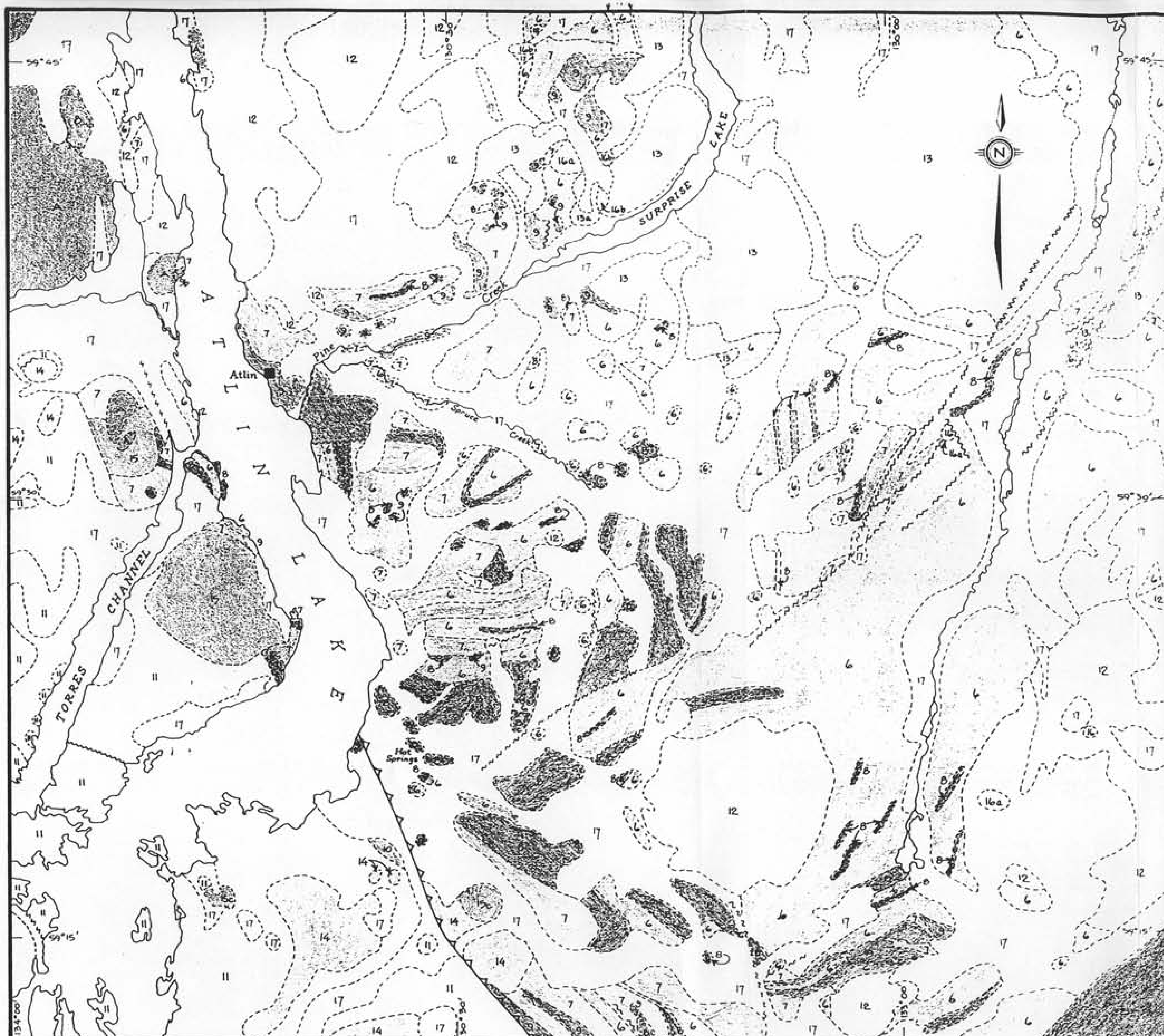
LOCATION MAP

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



□ property covered by this report

HOMESTAKE MINERAL DEVELOPMENT CO.		
ATLIN AREA, BRITISH COLUMBIA		
PICTOU PROPERTY		
DRAWN	DATE	FILE CODE
Revised		104N/12



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

9	ATLIN INTRUSIONS PERIDOTITE; META-DIORITE AND META-GABBRO; SERPENTINITE ; CARBONITIZED SERPENTINITE ; TALC-BEARING (STEATITIZED) ULTRAMAFIC ROCKS
8, 7, 6	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

Within the Atlin Terrane, andesitic to basaltic flows are overlain by cherts and thick shallow water carbonate rocks. Discordant granitic plutons, ranging in age from Late Jurassic to early Tertiary, locally intrude the stratigraphy. Some remnant Tertiary volcanics and sediments are found within 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 some cases, extensively hydrothermally altered to a silica-carbonate and mariposite/fuchsite assemblage.

The Pictou Property is underlain predominantly by ultramafic rocks, both serpentinized and hydrothermally altered, as well as intermediate to mafic volcanics of the Cache Creek Group. Figure 3, illustrates the general geology of the Atlin area, and the location of the Pictou Property claims within that geologic setting.

2.5 Preliminary Economic Assessment

The majority of known lode gold mineralization within the Atlin Camp is associated with intensely altered (silica-carbonate-mariposite/fuchsite) ultramafic rocks proximal to their fault bounded or intrusive contacts with rocks of the Cache Creek Group.

The mineralization is almost exclusively hosted in quartz quartz-carbonate veins and vein stockworks within these altered packages of rocks, occurring either as often spectacular free gold, or in intimate association with gangue sulphides such as pyrite, chalcopyrite, arsenopyrite, sphalerite, galena, and sulfosalts (pyrargyrite, tetrahederite).

The Pictou Property, as it is underlain by rocks known to host gold mineralization within the camp, represents a quality exploration target in the Atlin area. This is even more so the case given the presence on the property of a historic high grade gold-silver showing, as will be detailed in the following section of this report. Given that there has been little in the way of detailed and systematic lode gold exploration in the camp, but rather spurts of intense activity on individual showings, the area, and this property in particular, holds good potential for lode gold mineralization.

2.6 Exploration History

As mentioned, the property covers a historic Au-Ag showing which has seen sporadic exploration activity over the past 90 years.

The property was probably first prospected in the Atlin Gold Rush of 1899-1900, when the ground was held by Lord Hamilton. It is uncertain whether a 30 meter adit extending beneath the surface showing was completed at this time, or during a second phase of exploration in the late 1920's, as no reliable records exist from either period.

The first reliable record (written) of mineralization on the property appears in 1931, when the showing was inspected by J.T. Mandy, the resident mining engineer, who reported;

- a zone of quartz veining and wallrock alteration over a width of 20-60 feet, with three samples returning the following assays;
  - a "ridge-pit" sample of a 2' quartz vein, carried 0.7 oz/t Au, and 13.2 oz/t Ag.
  - a grab sample from the rock "dump" carried 0.68 oz/t Au, and 7.4 oz/t Ag.
  - a sample from a 9" quartz vein at the bottom of a shallow shaft, carried 0.03 oz/t Au and 0.20 oz/t Ag.

In 1933, the property was inspected by A.M. Richmond the Assistant Resident Mining Engineer, who reported assays from the following samples;

- a sample from a 22" quartz vein in the "ridge-pit" which carried 0.10 oz/t Au, and 0.40 oz/t Ag.
- a sample from a 24" quartz vein in the "ridge-pit", carried 0.60 oz/t Au, and 5.0 oz/t Ag.

In 1966, the Pictou and Scarab claims were acquired by Mr. T. Connolly (late husband of the current owner) via Mining Lease Number 32.

Mr. Connolly reported two samples taken from new trenches proximal to the old shaft as returning the following assays;

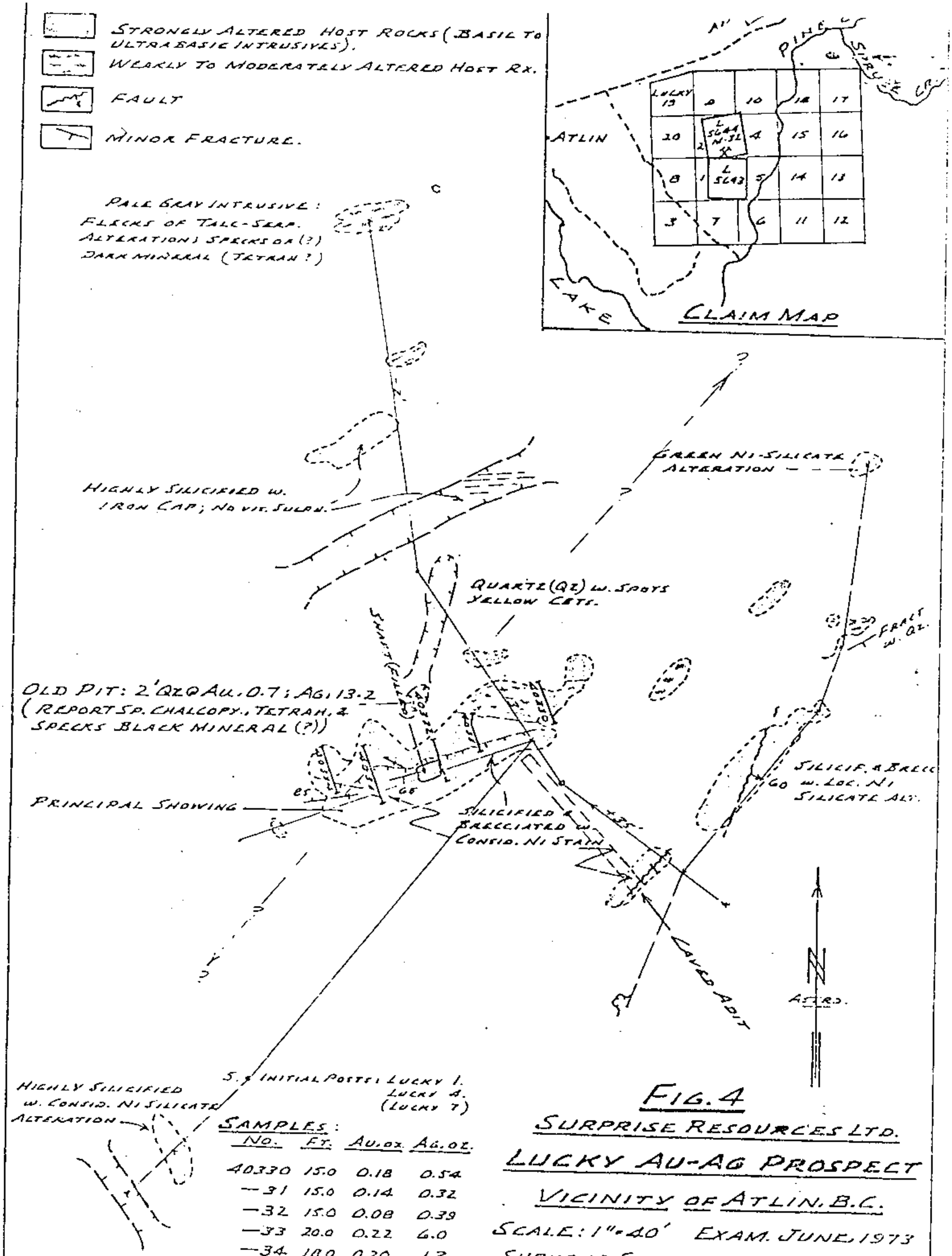
- 1.78 oz/t Au, 135.6 oz/t Ag, 0.63% Cu
- 2.16 oz/t Au, 207.3 oz/t Ag

In 1967, a one ton bulk sample of mineralized material excavated by Mr. Connolly and sent to the Trail smelter, returned assays of 0.295 oz/t Au, 8.0 oz/t Ag, 0.2% Pb, 0.1% Zn, and 0.05% Cu.

In 1968, additional random sampling of newly exposed veining after a stripping and ripping program returned the following assays;

Sample A2 - 1.40 oz/t Au, 57.4 oz/t Ag, 0.39% Cu
Sample B2 - 1.54 oz/t Au, 78.3 oz/t Ag, 0.42% Cu
Sample R2 - 1.52 oz/t Au, 52.3 oz/t Ag, 0.27% Cu

In 1973, Mr. William Sharp, P. Eng. was contracted by Mr. Connolly to assess the property. Mr. Sharp took a series of chip-channel samples across the mineralized exposure, the results of which appear in Figure 4. In view of the encouraging results received from this program, Mr. Sharp recommended additional work on the property, but not until acquisition by Homestake Mineral Development Company in 1987 did any further exploration take place on the claims.



SAMPLES:

No.	FT.	AU. OZ.	AG. OZ.
40330	15.0	0.18	0.54
—31	15.0	0.14	0.32
—32	15.0	0.08	0.39
—33	20.0	0.22	6.0
—34	10.0	0.20	1.3

FIG. 4

SURPRISE RESOURCES LTD.

LUCKY AU-AG PROSPECT

VICINITY OF ATLIN, B.C.

SCALE: 1" = 40'   EXAM. JUNE, 1973

SURVEY & SAMPLING - W.M. SHARP, P.ENG.

2.7 Work Completed

The following work was completed by Homestake Mineral Development Company Ltd. on the Pictou Property, during the period June through October 1987.

- establishment of 6.0 kilometers of flagged line grid, as control for detailed geological mapping of the property.
- detailed geological mapping of the property @1:1000 scale.
- establishment of 9.6 kilometers of cut-line grid, to provide control for geophysical and geochemical surveys on the property.
- completion of detailed magnetometer (total field and vertical gradient) VLF-EM and IP surveys on the property.
- collection and multi-element analysis of 225 rock samples from the property.
- collection and multi-element analysis of 492 soil samples from the property.
- a 400 square meter power stripping program over the historical Au-Ag showing on the property and subsequent detailed geological mapping (@1:100) of this "Main Showing" area.

The results of this work is discussed fully in the following sections of this report.

3. DETAILED TECHNICAL DATA

3.1 Geological Mapping

3.1.1. Methods Employed

Approximately 6.0 kilometers of flagged line grid were established on the property, employing compass and hip chain, to provide control for detailed geological mapping of the property. A flag-line grid was used as a cost-effective way of initially assessing the property with regards to amount of outcrop exposure, type of outcrop exosure, etc, and to determine whether or not a cut-line grid was warranted for any further exploration activity. That this turned out to be the case will unfortunately cause the reader some confusion, as all geological features are referenced to one grid, all geophysical and geochemical (soils) to another, but enclosed in the Appendices is a master grid map tying the two grids together.

An Arbitrary 0+00 point for the flagged grid was selected, in this case the portal of the adit beneath the main showing. From this point a baseline extends due south for 300 meters, and north-northwest at 350° for 700 meters. Cross-lines were established at 100 meter intervals. Lines from and north of 0+00 are oriented at 80°-260°, and extend 150 meters east of baseline and 300 meters west of baseline (unless terminated by the airstrip).

Lines south of 0+00 are oriented east-west and extend 400 meters west and 100 meters east of baseline.

In the course of mapping, the perimeter of all encountered outrcrops were tied in to the grid, and themselves followed via hip-chain and compass, providing very accurate establishment of outcrop locations.

Detailed notations as to outcrop lithology, structural orientation, and the presence or absence of significant alteration, veining, and mineralization were made in the field.

All pertinent topographic and geomorphic features were also accurately tied into the grid.

The detailed geological map of the property, at a scale of 1:1000, appears in Appendix 1 of this reprort. Also, in Appendix 2 of this report are 1:200 and 1:100 scale detailed geological maps of the "Main Showing" area. The 1:100 scale map was completed after a 400 square meter stripping program over the showing, and is a much more accurate representation of the showing geology then the pre-stripping 1:200 map. I have included both in this report, at the risk of some confusion, for the sake of completeness.

3.1.2 Results and Interpretation

Lithologies

Four main lithology types, three really, two being different alteration assemblages of the same protolith, outcrop on the property. They are briefly described below, their numbers corresponding with those appearing in the map legend.

Unit 2 - Serpentinized Ultramafic Intrusive Rock

This unit outcrops predominantly as a very fine grained to aphanitic, massive, bright green to black strong serpentinized rock, the serpentine content varying from approximately 30% to 100%. The rock weathers a characteristic tan to buff colour, and is generally very strongly magnetic. The unit is often porphyritic, particularly in the southwest corner of the property, where small 2-3mm weakly steatized pyroxene crystals stand out in relief to make up 10-15% of the rock. These more resistant phenocrysts often are crudely aligned in bands that suggest a primary magmatic segregation, although observed directions were so variable that a reliable orientation of the ultramafic bodies was impossible to determine.

The serpentinized ultramafics observed on the property were predominantly devoid of any sulphide mineralization, and only rarely contained thin magnesite veins and veinlets. A few very local zones of weak talc alteration were observed, usually in proximity to Unit 3 (silica-carbonate-mariposite altered ultramafic), although generally the contacts between units 2 and 3 were distinct, the alteration assemblages changing completely over a distance of centimeters and rarely meters. This unit offers little in the way of economic potential as no NiS sulphides were observed, and although some indications of primary magmatic differentiation were observed, they were on an insignificant scale with regard to PGM potential.

Unit 3 - Completely Altered (Silica-Carbonate-Mariposite) Ultramafic Rock

This unit represents the major exposure-type on the property, possibly because it represents a very weathering resistant lithology.

The rock type is characteristically beige to gray, and aphanitic, with a highly variable mariposite content ranging from less than 5% to 30%. Carbonate alteration, predominantly magnesite and to a lesser extent ferroan dolomite and ankerite, is pervasive and intense, often comprising 70-80% of the rock with the remainder mariposite or silica.

The high carbonate content results in a very characteristic bright orange to chocolate brown weathered surface. Silica alteration, in the sense of pervasive silicification is sporadic but intense where present, lending a cherty gray appearance to the lithology. Quartz-carbonate stringers on the mm scale are ubiquitous, and appear to represent late stage fracture filling within the brittle rock. Larger quartz-carbonate veins, on the centimeter scale, however, are rare, and have been observed only in a few locations.

The rock type is generally massive, with in places very locally developed foliations that are so variable as to defy any regional understanding of structural relationships.

Sulphides are rare, with occassionally minor disseminated pyrite in both the altered wallrock and thin quartz-carbonate veins. Only at the "Main Showing" do sulphides occur in quantities exceeding 1%. (A detailed discussion of the "Main Showing" geology appears later in this report). Small 1-2mm disseminated chromite blebs are common throughout the rock, in places comprising almost 5%.

This lithological unit holds the highest economic potential on the property, and hosts most all anomalous gold values delineated on the claim to date. A more detailed discussion of these anomalies appears in Section 3.2.1. of this report.

Unit 5 - Feldspar Porphyry

This unit is only a minor component of the property geology, occurring as thin (to 5 meters) dykes in the north-central and northwest portions of the claim group.

The rock is characterized by a light pink, hematitic, to light green, sericitic aphanitic felsic groundmass, with a highly variable phenocryst content ranging from 5-60%. Phenocrysts are predominantly 2-3 mm in size, and a mottled subhedral plagioclase. Some quartz, upwards of 5% in places, has been observed, but is not a major constituent of the porphyry.

The porphyry dykes observed on the property are the most consistantly foliated of all units, usually exhibiting a strong schistosity. Where schistose, the dyke is more commonly pink than green and is often affected by a degree of carbonatization (usually as carbonate replacement of felspar phenocrysts) equivalent to that in its host rock (i.e. intensely carbonatized if occuring in Unit 3, and not carbonatized if occurring in Units 2 or 9). This would imply that dyke emplacement pre-dates the alteration responsible for Unit 3.

The feldspar porphyry dykes observed on the property commonly contain trace amounts of disseminated pyrite, as well as thin quartz-carbonate stringers, usually proximal to the dyke-host rock contact.

Unit 9 - Andesite

This unit outcrops in the northern portion of the property, and is characteristically a medium to dark green, aphanitic, massive, homogeneous rock. The rock is commonly strongly jointed and fractured with hematite and pyrite-pyrrhotite forming a thin veneer along frature surfaces. The lithology is uniformly unspectacular where outcropping with no significant alteration veining or mineralization.

Structural/Stratigraphic Relationships

The majority of the property is underlain by intrusive rocks (silica-carbonate-mariposite altered ultramafics, serpentinized ultramafics, and feldspar porphyry) with only a thin wedge of andesitic volcanics trending southeast into the northwest corner of the property.

Within the intrusive ultramafic rocks, three distinct zones of intense hydrothermal alteration are evident; (resulting in Unit 3)

- one trending generally north-south through the southeast corner of the property;
- one trending southeast across the central portion of the property, and;
- one trending east-southeast across the northern part of the property;

These zones of intense hydrothermal alteration are most probably structural features, as a significant "plumbing" system would be required to produce alteration on this scale. The most prominant trend of the features is northwest-southeast, an orientation also reflected in the geophysical data, and as localized shearing observed in outcrop.

3.2 Geochemical Sampling

3.2.1. Lithogeochemical Sampling

3.2.1. i) Methods Employed

In the course of mapping, 163 samples were collected from the property and forwarded to Acme Analytical Laboratories in Vancouver for 30 elemeent ICP analysis and Au analysis by conventional atomic absorption techniques.

Obviously, the purpose of the extensive sampling program was to evaluate the economic potential of the large areas of hydrothermally altered ultramafic rock exposed on the property. In addition to the gold analyses, the wide spectrum of elements analyzed for by the ICP method provides some very useful trace-element geochemical data. Gold mineralization in the Atlin Camp often occurs with highly elevated contents of Cu, Zn, Pb, Sb, As, and Ag, all of which are part of the multi-element ICP package. Elevated contents of these elements, even in the absence of anomalous gold values, may serve as pathfinders to auriferous quartz veins.

Sampling on the property was carried out both on a "random basis" where samples were collected from any significantly different or intresting feature noted during mapping (i.e. quartz veins, sulphide mineralization), and on a grid pattern basis, where samples were collected at 20 meter intervals along all grid lines crossing silica-carbonate-mariposite altered ultramafics. The purpose of the grid pattern sampling was to try and identify any areas carrying weakly anomalous gold or pathfinder trace element values, in which to concentrate exploration efforts.

A pre-stripping chip-channel sampling program over the main showing was also carried out, although the reader is referred to Section 4 of this report for a more comprehensive discussion of the "main showing" geology and geochemical results.

All sample locations (except for detailed sampling programs over the main showing) appear on the enclosed 1:1000 Geology Map in Appendix 1, followed by the sample gold content in ppb. Pertinent trace-element geochemical data appears tabulated on this map, and the raw ICP data appears in Appendix 6.

Results and Interpretation

Of the 163 samples collected from the property, 53 came from the pre-stripping, chip-channel sampling program over the "main showing" and 110 from various other areas of the property.

Of these 110 samples, only 3 returned anomalous gold values of greater than 50 ppb. They were:

Sample BR-01-1-36008

A grab sample from a 20 cm. quartz-ankerite-mariposite vein, hosted in strongly carbanatized-silicified ultramafic rock and proximal to a feldspar porphyry dyke, returned a gold value of 595 ppb (Grid co-ordinate L3+50N, 1+40W)

Sample BR01-1-36012

A grab sample from a 50 cm. quartz-carbonate-mariposite vein hosted in intensely silicified, carbonatized ultramafic rock, returned a gold assay of 62 ppb.

(Grid co-ordinate L4+50N, 3+00W)

Sample BR-01-1-36162

A grab sample from a feldspar porphyry dyke with 5% very fine grained disseminated pyrite, returned a gold value of 79 ppb. (Grid co-ordinate L5N, 3+00W).

Of the 53 samples (chip channel) from the "main showing" 15 returned anomalous gold values of greater than 50 ppb. These results appear plotted on the "Pre-stripping Geology, Gold and Trace Element Geochemistry" map in Appendix 2, which has been included here only for the sake of completeness. This work was superceeded by a stripping and detailed mapping/sampling program over the "main showing", which is discussed in Section 4 of this report.

Several areas containing significantly elevated values of Sb, As, Ag and base metals occur on the property, with no associated anomalous gold values. These areas warrant further examination, as the aforementioned geochemical enrichment may be indicative of proximity to auriferous quartz/quartz-carbonate veins.

3.2.2. SOIL GEOCHEMICAL SAMPING

i) Methods Employed

In order to fascilitate ground geophysical and soil geochemical survey coverage of the property, 9.6 kilometers of cut-line grid were established on the property.

Having already mapped the property from a previously established flag-line grid, during which time structural and stratigraphic trends were determined, a new grid orientation was employed to cross as closely as possible to 90° these prominant trends.

The grid was turned off from the northwest legal survey post of the Pictou claim, and a baseline extended southeast at 110° from that point for 600 meters. Crosslines, trending at 020°-200°, were established at 50 meter intervals, and extended north and south of baseline to the property boundaries (an average of 500 meters north and 400 meters south). Stations were established at 20 meter intervals on all cross-lines.

The dispersion of gold in soil around bedrock hosted mineralization is a well documented phenomenan (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 permable cover is an excellent exploration tool.

Equally mobile in the "weathering cycle" and in many cases more mobile, are the trace element metals often associated with gold mineralization in the Atlin camp, including Cu, Pb, Zn, As, Sb and Ag.

In planning the soil sampling program on the Pictou Property, a decision was therefore made to again use a 30 element ICP analytical package in addition to conventional gold analysis by atomic absorption. A total of 492 soil samples were collected from the Pictou Property, and forwarded to Acme Analytical Laboratories in Vancouver, for analysis in that way.

Prior to completing the property wide survey, an orientation survey was completed over the "Main Showing" an area of known gold mineralization in bedrock. Both "A" and "B" horizon soils were collected for analysis in an effort to determine which, if either, was a better sampling medium in accurately reflecting proximity to bedrock hosted gold (and associated metals) mineralization. The results of that survey, which appear in Appendix 3, indicated that both "A" and "B" horizons effectively delineated Au, Ag, Cu, Pb, Zn, As, and Sb dispersons from the main showing area, the "B" data being slightly more effective, defining a broader and less "spiked" halo. All additional samples taken from the property were "B" horizon soils.

Given the success of the orientation survey, soil samples were collected along the cut-line grid over all areas of interpreted favourable geology (i.e. silica-carbonate-mariposite alteration) at 20 meter intervals. Any anomalous areas, defined by this first phase of sampling, were re-sampled at more closely spaced intervals, in an attempt to define specific targets for follow-up exploration work (stripping and/or drilling).

The results of the soil sampling program appear in Appendix 3, as 1:1000 scale contoured plan maps for Au, Ag, As, Sb and the compbined base metals (Cu + Pb + Zn). The raw ICP geochemical data appears in Appendix 6. The contoured plan maps are at the same scale as the property geology map, allowing easy overlay for interpretational purposes.

3.3.2 ii) Results and Interpretational

Gold

The best gold anomaly on the property is centered around the "Main Showing" at L4+25E, 0+00.

A broad north-south trending zone of highs, to 910 ppb, in an area of elevated background, lies centred over the showing, and has a strike length of approximately 120 meters.

There are several other prominant Au anomalies that crudely define, on a property scale, a north-south "corridor" of enrichment through the eastern part of the property. The individual anomalous areas that make up this corridor vary in orientation, generally trending crudely east-west. These anomalies include:

- between L4+50E at 1+40N and L3+50E at 0+80N, an east-west trending anomaly with values as high as 66 ppb Au.
- at L3E, 1+80N, a bullseye anomaly of 40 ppb.
- between L4+25E at 2+30N and L3E at 2+60N, a west-northwest trending anomaly with values as high as 770 ppb. Along strike from this feature, 75 meters to the west, a second anomalous horizon, from L1+75E at 2+70N to L1+25E at 2+80N, carries values as high as 31 ppb Au.

- at L4E, 2+60N, a bullseye anomaly of 93 ppb.
- at L3+50E, 3+00N, a bullseye anomaly of 520 ppb.
- at L2+50E, 3+80N, an east-southeast trending anomaly 25 meters long with highs of 195 ppb.
- at L2E, 4+80N, a bullseye anomaly of 225 ppb.

Other anomalies on the property include;

- at L0+50W, 4+80N, a bullseye anomaly of 66 ppb.
- from L0+50W, 0+00 to L0+00, 0+20N, an east-west trending anomaly with a high of 34 ppb.
- at L4E, 2+20S, a bullseye anomaly of 43 ppb.
- at L3+50E, 2+80S, a bullseye anomaly of 20 ppb.
- at L3E, from 0+80S to 1+00S, a north-south trending anomaly with a high of 41 ppb.

Silver

Silver values are generally elevated over the entire sampled area, but three distinct anomalies stand out;

- an elongated bullseye centred over the "Main Showing" with values as high as 3.8 ppm.
- An east-northeast trending distinct linear anomaly, from L3+50E at 2+60S to L4E at 2+20S with values as high as 3.5 ppm.
- An elongated bullseye at L1+50E, 2+80N of 1.5 ppm Ag.

Arsenic

The best arsenic anomaly on the property is a large circular feature in the south central portion of the property, centred about a high of 825 ppm at L4E, 2+20S.

Other anomalous areas include:

- a north-south trending anomalous horizon centred over the main showing, with a high of 222 ppm.
- from L2E at 2+60N to L0E at 3+20N, a west-northwest trending strong linear anomaly with values as high as 385 ppm.
- at L1E, 3+80N, a bullseye anomaly of 54 ppb.

- at L0+50W, 5+00N, a bullseye anomaly of 58 ppm.

- at L0, 1+20N, a bullseye anomaly of 87 ppm.

Antimony

The strongest Sb anomaly on the property is a large broad area in the south central portion of the property centred around a high of 100 ppm at L4E, 2+20S. Other anomalies include:

- A very strong distinct linear horizon from L2E at 2+60N to L0 at 3+20N, with values as high as 31 ppm. This feature, trending west-northwest, can be traced for 200 meters.

- A bullseye anomaly centered over the main showing of 17 ppm.

Combined Base Metals

The results of the Cu-Pb-Zn analyses were not as effective in delineating distinctly anomalous areas and were generally blind to the Main Showing. Two areas stand out as being very elevated, around L1+50E at 2+70N (535 ppm) and L4E at 3+20S (466 ppm).

Obviously the best anomalies are those with some strike length and with multi-element signatures. Four excellent anomalies present themselves based on these criteria, and they are;

- the area around the main showing, which carries anomalous Au, Ag As and Sb.

- the broad circular anomaly centred around L4E, 2+20S, which carried anomalous Au, Ag, As and Sb.

- the strong linear anomaly from L2E at 2+60N to L0 at 3+20N, which carries highly elevated Ag, As and Sb values.

- the strong linear anomaly from L4+25E at 2+30N to L3E at 2+60N, which carries elevated Au and Ag values.

These four anomalies warrant testing by diamond drilling or power stripping. The other anomalies discussed here should all be re-sampled at tighter sample intervals over larger areas, to ascertain their true significance.

3.3 Geophysical Surveys

3.3.1. Magnetometer and VLF Surveys

3.3.1. i) Methods Employed

Scott Geophysics of Vancouver, was contracted to complete total field magnetomer, vertical gradient magnetometer, and VLF-EM surveys on the Pictou Property on behalf of Homestake Mineral Development Company Ltd. The survey was completed in late June, and comprised of coverage of approximately 9 kilometers of cut-line grid.

Both total field and vertical gradient magnetometer readings were taken at 20 meter intervals. All values were corrected for diurnal variation using a fixed base station sampling at 6 second intervals.

Station NPM, Lualualei, Hawaii, was used for the VLF-EM Survey. Readings of horizontal field strength, in-phase, and quadrature were taken at 20 meter intervals.

Instrumentation used in the survey was a Scintrex IGS configured to operate as a total field and vertical gradient magnetometer, and as a VLF-EM receiver. A Scintrex MP4 served as the base station magnetometer and cyled at 6 second intervals. Both units record all measurements in internal memory. All magnetometer measurements were corrected for diurnal variation with reference to the base station.

The survey data was archived, processed and plotted using a Corona PPC 400 microcomputer, running Scintrex IGS applications software and Scott Geophysics proprietary software.

Appendix 4 contains all pertinant maps, specifically;

- 1:5000 Ground Magnetometer Survey, Total Field Data
- 1:5000 Ground Magnetometer Survey, Total Field Contour Plan
- 1:5000 Ground Magnetometer Survey, Vertical Gradient Data
- 1:5000 Ground Magnetometer Survey, Vertical Gradient Contour Plan
- 1:5000 VLF-EM Line Profile Plots
- 1:5000 VLF-EM Fraser Filter Data
- 1:5000 VLF-EM Fraser Filter Contour Plan

3.3.1 ii) Results and Interpretation

Total Field Magnetics

As discussed in Section 3.1.2. of this report, the property is underlain by three major 'lithologic' types, namely strongly serpentinized ultramafic, completely altered (silica- carbonate- mariposite) ultramafic, and andesite.

The magnetic signature of the serpentinized ultramafics is that of a strong high (generally above 58,000 nT), usually with significant magnetic relief due to variable magnetite content within the lithology.

The magnetic signature of the completely altered (silica- carbonate- mariposite) ultramafics is one of a distinct low, usually less than 57,000 nT. As implied by the unit name, the hydrothermal alteration has completely destroyed all magnetite, and almost all ferromagnesian minerals in the ultramafic rock. The low magnetic signature of these rocks is also generally quite flat, as there is little variability in components that would affect magnetic field.

The andesites generally exhibit a flat intermediate magnetic signature, in the 57,000-58,000 nT range, but this signature is easily distorted by proximity to highs or lows.

Obviously then, the most practical use of a total field magnetic survey, in this case, is to aid in tracing the extent of lows (equal altered ultramafics) and highs (equal serpentinized ultramafic).

Two very prominant lows exist on the property. One trends north-south from the south-east corner of the property to the central-east part of the property, and coincides well with a large exposure of silica- carbonate- mariposite altered ultramafic rock.

A second low trends northwest-southeast across the northern half of the property, and although exposure is limited in this part of the property, it appears, again, to correspond with silica- carbonate-mariposite altered ultramafic rock. The outlines of these lows were employed, together with chargeability, in determining the contacts between 'altered' and serpentinized ultramafics.

Prominant magnetic highs occupy most of the west-central to south-west parts of the property, corresponding with exposures of serpentinized ultramafics. Other prominant highs on the property, notably in the north-central and east-central parts of the property where there is little exposure, were, based on their magnetic signature, interpreted a representing areas underlain by serpentinized ultramafics.

Vertical Gradient Magnetics

Vertical gradient magnetic data is very useful in interpreting and delineating structural trends and sharp contracts between lithologies of contrasting magnetic signature, as it greatly accentuates areas of strong magnetic relief. As can be seen from the enclosed contoured vertical gradient plan map, areas of 'altered' ultramafics exhibit a very flat signature, whereas areas of serpentinized ultramafics are characterized by high relief. The strong linear lows and highs seen in the total field mag data, in the central part of the property, are exaggerated by the gradient data, and aid in determining their orientation. In general, the data was most useful in illustrating the overall nothwest-southeast structural trends on the property.

3.3.2 ii) Results and Interpretation

Chargeability

Several very prominant chargeability highs were delineated by the survey, most notably the entire southwest corner of the property.

This area is underlain by massive strongly serpentinized ultramafics, which commonly produce strong chargeability anomalies.

Other areas with strong chargeabilities, of generally greater than 20 milliseconds, also appear to be signatures of serpentinized ultramafics, and this contour was useful in determining the extent of the serpentinites, in combination with the magnetic data.

There appears to be no strong sulphide related chargeability responses on the property. The most intriguing chargeability feature is a very weak, subtle, noth-south trending response in the 10-12 millisecond range that appears to be associated with exposures of silica-carbonate-mariposite altered ultramafics at and south of the main showing area. This may be an indication of anomalous sulphide content at depth within this lithology, as none was observed on surface.

Alternatively, and less optimistically, it may reflect a decrease in silica-carbonate-mariposite alteration intensity, and corresponding increase in serpentine content of the ultramafic rocks at depth. In comparing the N=1 and N=2 chargeability maps, the intensity of the serpentinite related anomaly appears to be increasing at depth (i.e. stronger on the N=2 map), supporting the interpretation of decreasing alteration intensity with depth.

Resistivity

The most prominant features on the contoured resistivity plan map are strong lows (to less than 500 ohms-meters) clearly related to deep overburden cover, along the eastern edge of the property covered by fluvial gravels of Pine Creek, and the south-central portion of the property occupied by a large open bog.

A strong resistivity high is associated with a north-south trending exposure of silica-carbonate-mariposite altered ultramafics in the south-east part of the property. A series of highs occupy the northwest corner of the property in areas believed to be underlain by serpentinized ultramafics. The resistivity therefore is not a reflection of alteration or mineralization, but rather the inherant highly resistive nature of these lithologies.

3.4 POWER STRIPPING PROGRAM

Based on the encouraging results returned from the initial sampling program over the 'MAIN SHOWING' area, a power stripping program over the showing was completed, in an effort to better expose and understand the style and orientation of vein hosted gold mineralization.

A John Deere 450 mounted backhoe spent two days removing overburden from the showing, followed by 5 days of washing employing a high pressure Wajax pump. This very effectively exposed a 400 square meter area over the showing, allowing detailed 1:100 scale mapping and chip-channel sampling to be carried out. Appendix 2 contains the results of this work, namely:

- 1:100 GEOLOGY AND GOLD GEOCHEMISTRY, MAIN SHOWING, PICTOU PROPERTY
- 1:100 TRACE ELEMENT GEOCHEMISTRY, MAIN SHOWING, PICTOU PROPERTY

The exposed 'MAIN SHOWING' is hosted exclusively within UNIT 3, silica-carbonate-mariposite altered ultramafics, which locally exhibits varying intensities of the three alteration components. For the most part, the host rock is a beige, intensely cabonatized (an assemblage of magnesite, ferroan dolomite, and ankerite of variable and unknown proportions), moderately silicified rock with highly variable mariposite content reanging from 5% to 30%. A few areas, notably along L0+30E, exhibit intense silicification, to a grey, aphanitic cherty rock. One small zone of talc-carbonate alteration was observed in the northeast section of the exposure, and may be proximal to a contact with serpentinized ultramafics.

The host rock is massive in the sense that it exhibits no pervasive foliation, but is invariably intensely fractured, at highly variable orientations. Quartz and magnesite are the most common fracture filling minerals. Multiple generations of shearing and quartz/quartz-carbonate vein emplacement occur in the exposure.

The most prominent shear/vein sets trend at 110°-290° in the western portion of the exposure, east-west in the central portion of the exposure, and 70°-250° in the eastern portion of the exposure, and all dip south at highly variable angles from as low as 25° to 60°. The most prominant of this vein set generally exhibit a very shallow dip of 25°-30°. This arcuate trend to the vein/shear sets may be indicative of dilatancy developed during flexural folding or doming to the north.

The quartz and quartz carbonate veins are generally very thin, rarely exceeding 5 centimeters. They do, however, exhibit fair continuity, although exposure is still insufficient to develop a sense for their strike potential.

The largest lithostructural feature on the exposure is a 'carbonate breccia' zone trending at 50-60° across the eastern part of the showing, and in places up to 2 meters thick. The 'breccia' consists of angular altered wallrock fragments in a coarse carbonate matrix, the carbonate having 'healed over' a linear, rubble filled cavity.

To assess the economic potential of the showing, 2 meter chip-channel samples were taken along sample lines at 5 meter intervals across the entire exposre. In addition to this sampling program, a series of grab samples were taken from veins and shears, to ascertain their individual grades, and gain an understanding of the style of mineralization. All 62 samples were analyzed for gold geochemically by atomic absorption, and for a suite of 30 elements by ICP. As mentioned, the pertinent maps appear in Appendix 2 of this report.

Gold grades in some of the thin quartz veins is spectacular, commonly in the 15 g/T range and in places as high as 61 g/T Au. Silver values are equally impressive, commonly 200-300 g/T and as high as 436 g/T (14 oz/T).

The results of the chip channel sampling program, however, were sobering, with only 3 samples from the exposure returning ore grade assays. They were;

- on L0+15E, from 2-4 M North,
  14.29 g/T Au, 183.8 g/T Ag.

- on L0+15E, from 4-6 North,
  7.66 g/t Au, 69.1 g/T Ag.

- on L0+15E, from 2-3 M South,
  7.26 g/T Au, 130.4 g/T Ag.

These values represent ore grades over mineable widths, and the showing warrants further testing via diamond drilling.

The style of gold mineralization in the system is epithermal to meosothermal in chemistry, as the gold is clearly associated with highly anomalous silver, arsenic, antimony, and to a lesser extent base metal values. The veins, on surface, are often extremely sulphide or sulfosalt rich, with a black, grungy appearing sulphide, (probably tetrahedrite or pyrargyrite judging from the geochemical results), the most common indicator of 'high grade' While the mineralization is apparently exclusively hosted in vein material, there appears to be a weak pervasive enrichment of Ag and Sb throughout the entire showing area.

4. ITEMIZED COST STATEMENT AND ALLOCATION OF EXPENDITURES

4.1 Itemized Cost Statement

Below is a summary of costs incurred on the property in the course of completing the work herein described.

i)	Linecutting - 9.6 kilometers @$325/km. (as invoiced by Eaglehead Exploration)	$ 3,120.00
ii)	Geophysical Survey Costs (as invoiced by Scott Geophysics)	
	- 9.46 kilometers of VLF-MAG survey, @$150/km.	1,419.00
	- computer processing of above data	235.80
	- 9.4 kilometers of IPR-11 survey, as invoiced	11,612.14
	- computer processing of above data	235.80
	TOTAL GEOPHYSICAL SURVEY COSTS	$13,459.64
iii)	Power Stripping Costs	
	- 16 hours, @$45/hour, as invoiced by Yvon Trudeau, Atlin, B.C.	$ 720.00
iv)	Analytical Costs	
	- 225 rock samples, analyzed for 30 elements by ICP & Au by A.A. @$14.25/sample, as invoiced by Acme Analytical Labs	$ 3,206.25
	- 400 soil samples, analyzed for 30 element by ICP & Au by F.A./A.A. @$12.00/sample, as invoiced by Acme Analytical Labs	4,800.00
	TOTAL ANALYTICAL COSTS	$ 8,006,25
v)	Salaries and Wages	

Duncan McIvor: (including report preparation)	June 2-12/87	11 days	
	Aug. 20-22/87	3 days	
	Dec. 1-3/87	3 days	
	17 days @$115/day		$ 1,955.00
Joanne Bozek:	June 2-12/87	11 days	
	11 days @$85/day		935.00

Philip Southam:	Aug. 7-15/87 9 days 9 days @$85/day	765.00
Stephen Gill:	Aug. 7-15/87 9 days Aug. 20-22/87 3 days 12 days @$65/day	780.00
	SUB TOTAL	$ 4,435.00
	+20% BENEFITS, ETC.	887.00
	TOTAL SALARIES AND WAGES	$ 5,322.00

vi) Food and Accommodation Costs

@$35/day/man 49 man-days x $35	$ 1,715.00

vii) Transportation Costs

Fuel and maintenance on 2 trucks, @$25/day x 23 days	$ 575.00

viii) Miscellaneous Field Equipment Costs

Flagging tape, topofil, sample bags, drafting equipment, mylar, etc.	$ 300.00
TOTAL EXPENDITURES	$33,217.89

4.2 Allocation of Expenditures

All expenses reported above were incurred through direct exploration on Mining Lease 32, comprised of the Pictou (L5643) and Scarab (L5644) claims. The Mining Lease is part of a larger grouping of claims known as the "West" group on which these expenditures will be applied as noted in the statement of Exploration and Development.

DMc/mm

SELECTED BIBLIOGRAPHY

Aitken, J.D.

1959: Atlin map area, B.C. Geological Survey of Canada, Memoir 307.

B.C. Department of Mines Annual Report:

1901, p. 757 - 759
1902, p. 984
1903, p. H38
1904, p. H44
1905, p. G77 - 78
1933, p. A78 - A79

Larkin, Curtin and Hubert

1974: The Geochemistry of Gold in the weathering cycle, U.S. Geological Survey Bull 1330.

McIvor, D.F.

1987: Summary report of mineral exploration activity on the Pictou Property, Atlin Mining District, British Columbia - Homestake Mineral Development Company Ltd. in-house report.

Monger, J.W.H.

1975: Upper Paleozoic rocks of the Atlin Terrane, Northwestern British Columbia and South-Central Yukon; Geological Survey of Canada, Paper 74-7.

Ronning, P.A.

1986: Summary Report; Diamond Drilling and Geophysical work, Arent 1 and Arent 2, Beama and Adjacent Claims, North and South Claim Groups, Yellowjacket Property, Atlin Mining Division. HMDC assessment report on file at the B.C. Ministry of Mines.

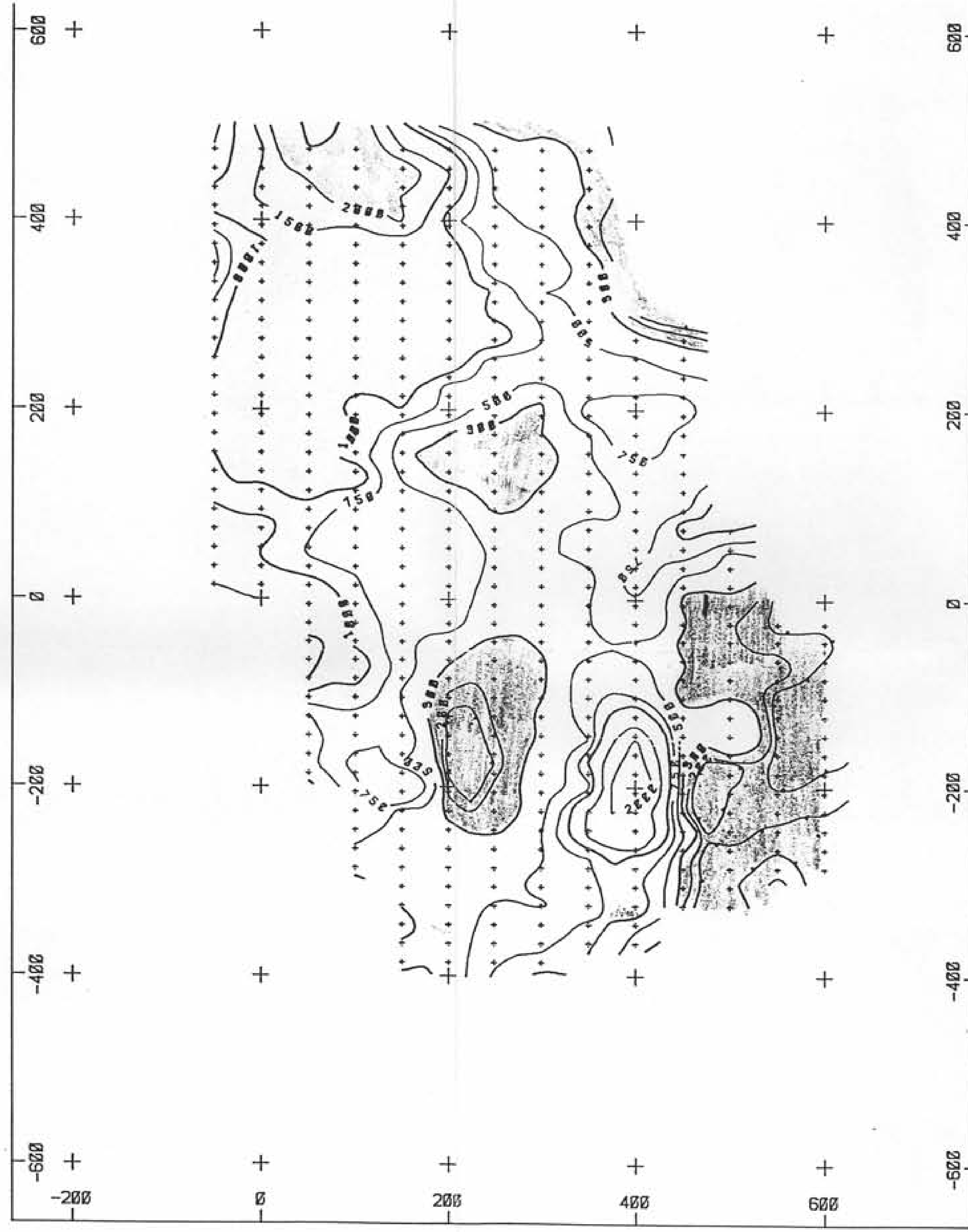
AUTHOR'S QUALIFICATIONS

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

Appendix 1



LEGEND:

Pole dipole array	a=20 meters	n=1
Current electrode:	S of potentials on all lines	
Heavy contours:	300, 1000, 3000	
Light contours:	150, 200, 300, 500, 750	
.	1500, 2000 ohm meters	
Ticks on low side of:	150 ohm meter contour	
+ is at plotting point	(not station location)	

HOMESTAKE MINERAL DEVELOPMENT COMPANY

PICTOU CLAIMS

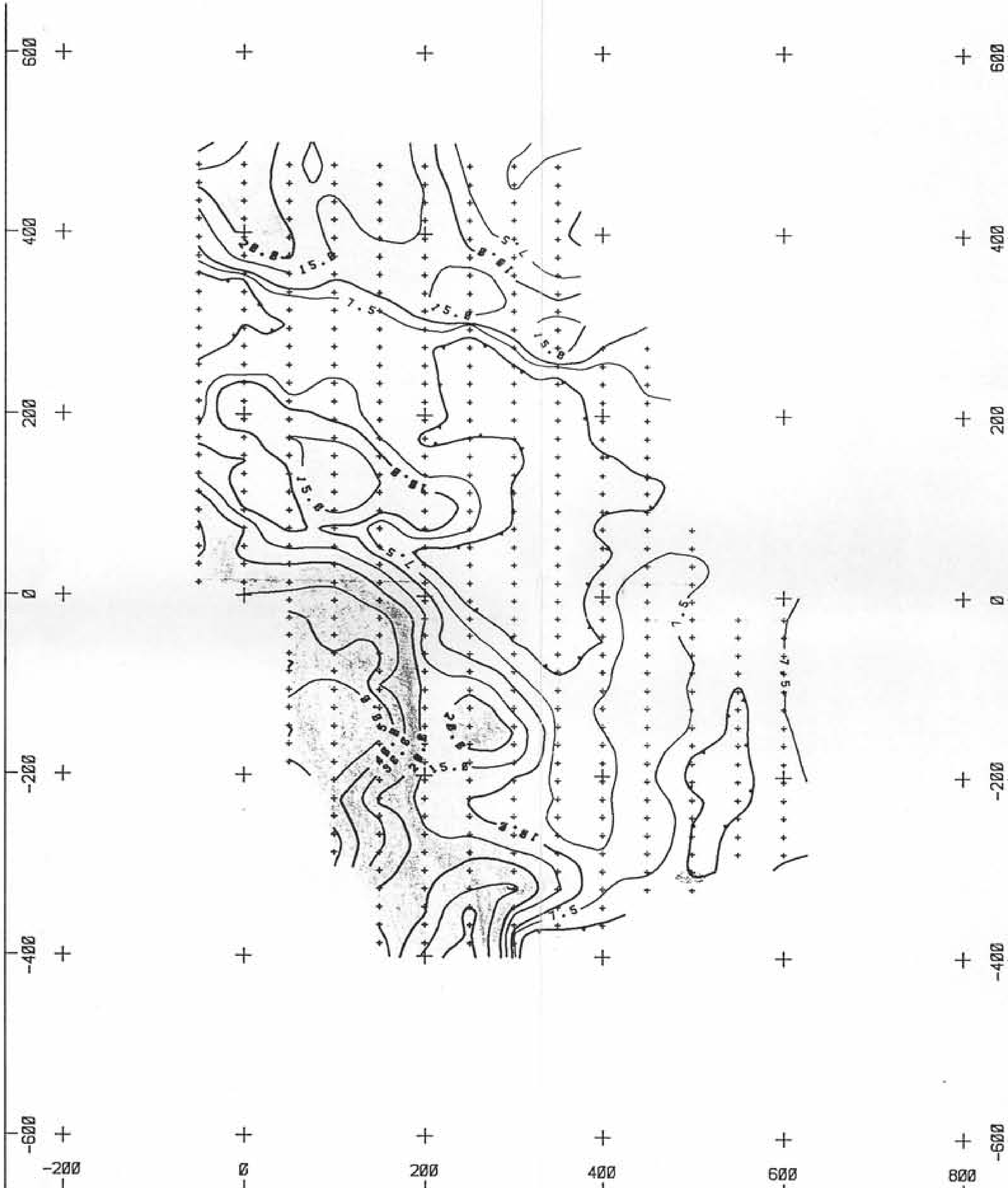
Atlin Area, B.C.

IPR11 Survey - Resistivity Contour Plan

first separation

DRAWN BY:	ars	DATE:	December, 1987

SCOTT GEOPHYSICS LTD.



LEGEND:

Pole dipole array	a=20 meters	n=1
Current electrode:	S of potentials on all lines	
Heavy contours:		5, 10, 20, 40, 60
Light contours:		5, 7.5, 15, 25, 30, 50
M7 (690 to 1050 msecs)	Units: millivolts/volt	
Ticks on low side of:		5 mv/v contour
+ is at plotting point	(not station location)	

HOMESTAKE MINERAL DEVELOPMENT COMPANY

PICTOU CLAIMS

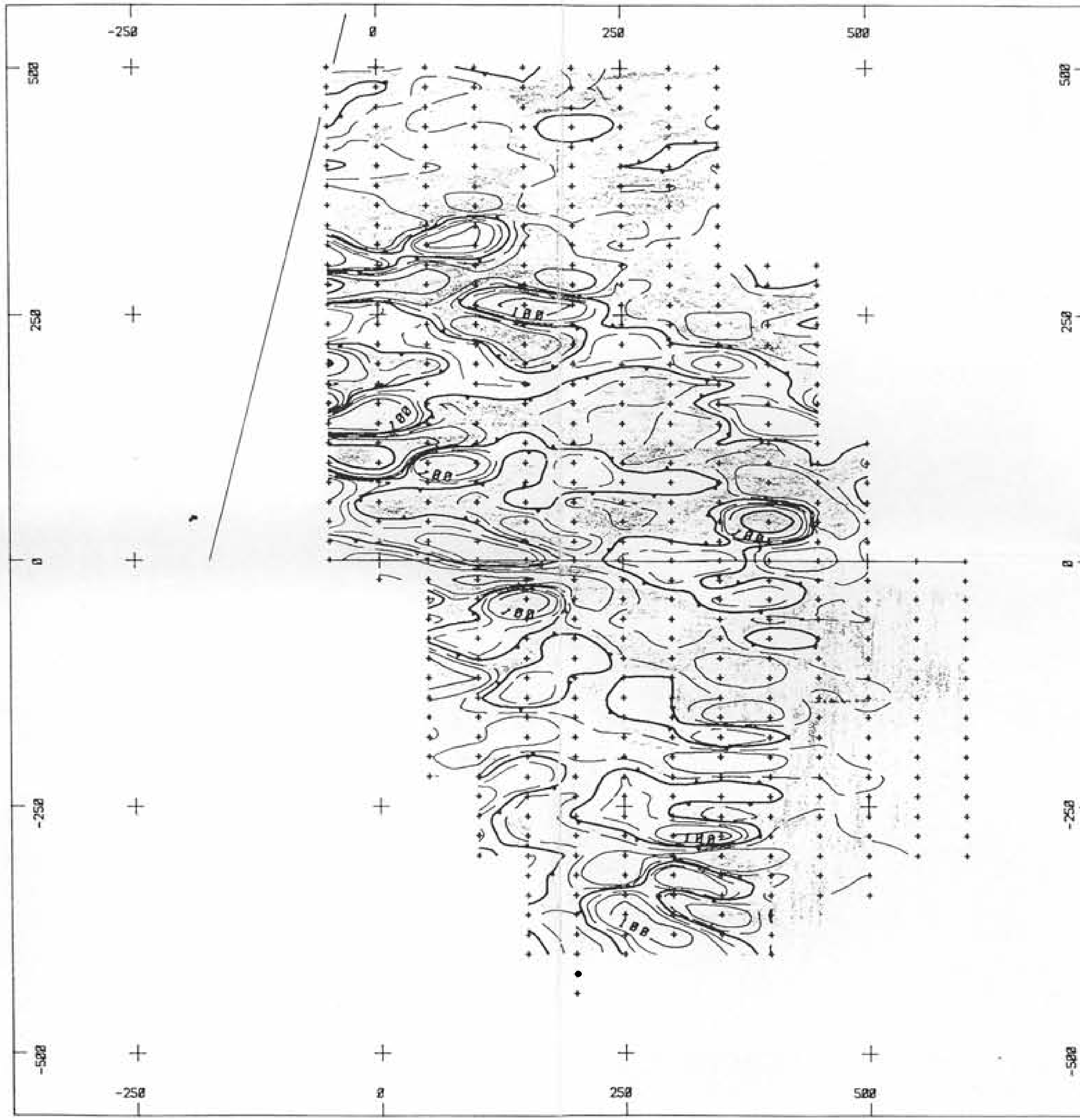
Atlin Area, B.C.

IPR11 Survey - Chargeability Contour Plan

first separation

DRAWN BY:	ars	DATE:	December, 1987

SCOTT GEOPHYSICS LTD.



LEGEND:

Sensor separation: 1 meter

Equipment: IGS (Scintrex MP-4)

Contours: +/- 0,25,50,100,200
300,400 nT/m

METERS
0 100 200 300 400

HOMESTAKE MINERAL DEV. CO.

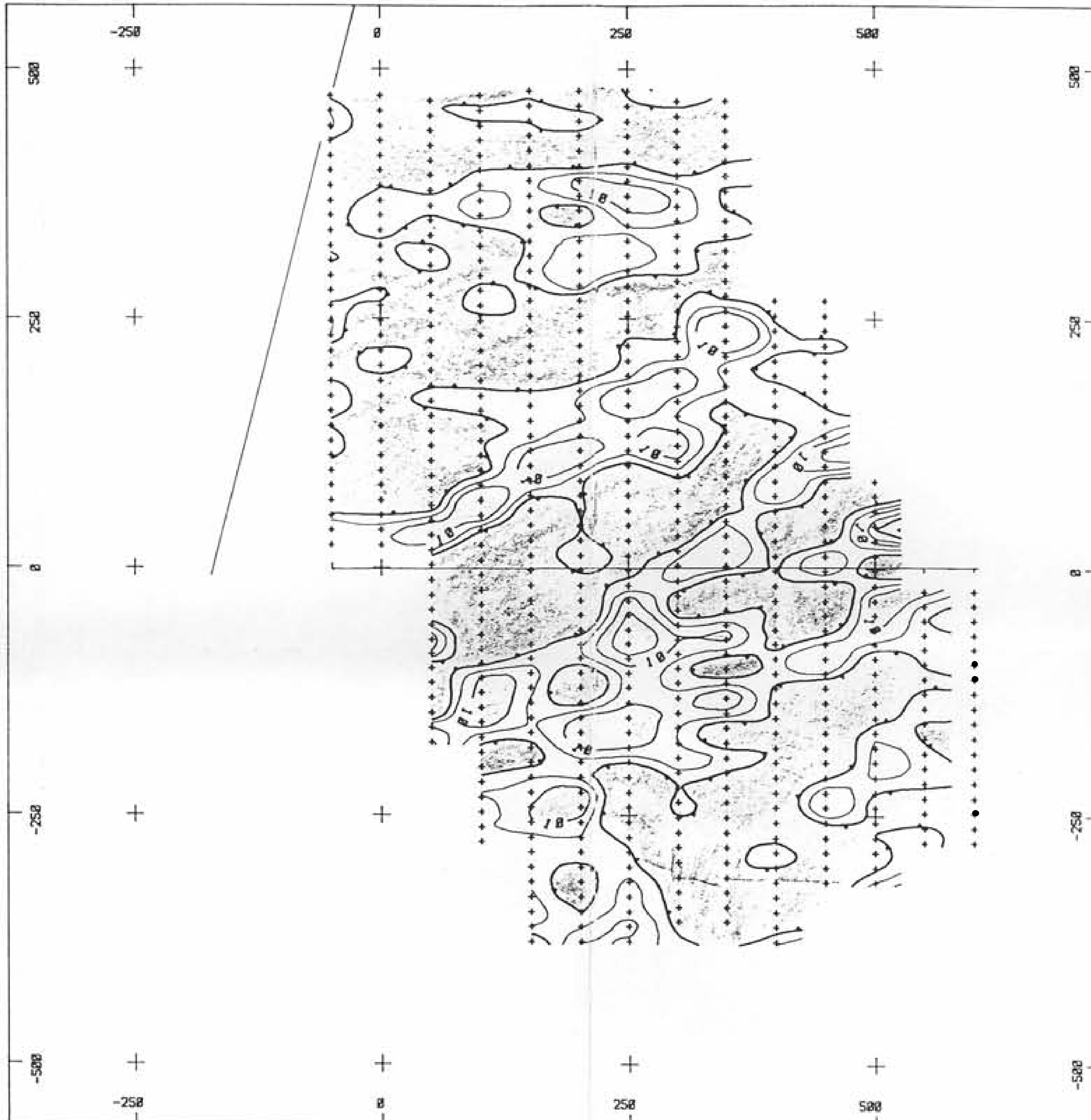
Atlin B.C.

Pictou Grid 1:5000

Ground Magnetometer Survey
Vertical Gradient Contour Plan

DRAWN BY:	Jmt	DATE:	June 1987

SCOTT GEOPHYSICS LTD.



LEGEND:

Station: NPM (Hawaii) - 23.4 KHz

Equipment: IGS (Scintrex MP-4)

Contours: 0,5,10,15,20,25,30

Note: Data re-sampled at 15 meter intervals before computing values

METERS
0 100 200 300 400

HOMESTAKE MINERAL DEV. CO.

Atlin B.C.

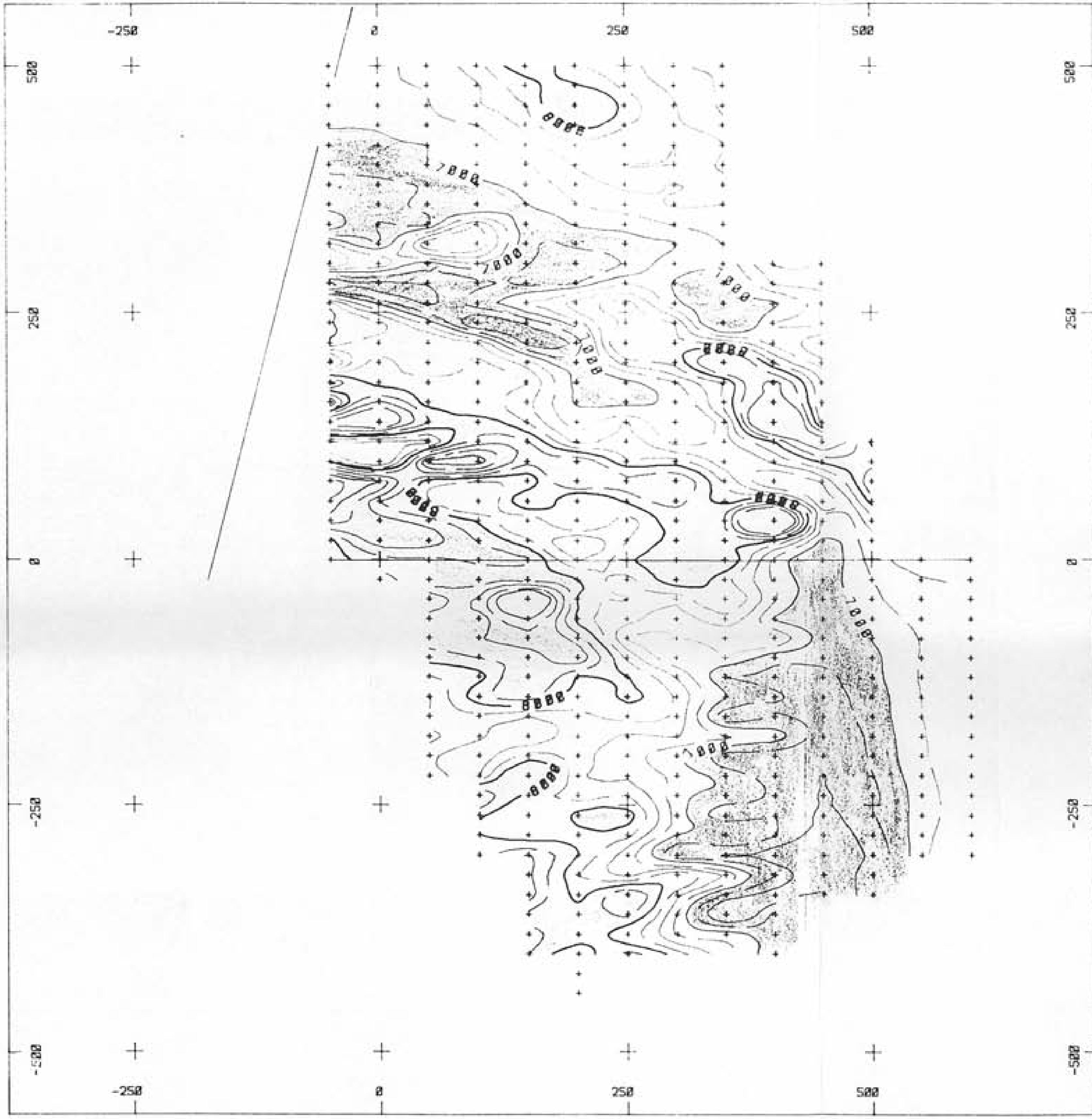
Pictou Grid 1:5000

VLF-EM Survey

Fraser Filter Contour Plan

DRAWN BY:	Jmt	DATE:	June 1987

SCOTT GEOPHYSICS LTD.



LEGEND:

50000 nT removed from all data

Contour Interval: 500 nT

Equipment: IGS (Scintrex MP-4)

METERS

0 100 200 300 400

HOMESTAKE MINERAL DEV. CO.

Atlin B.C.

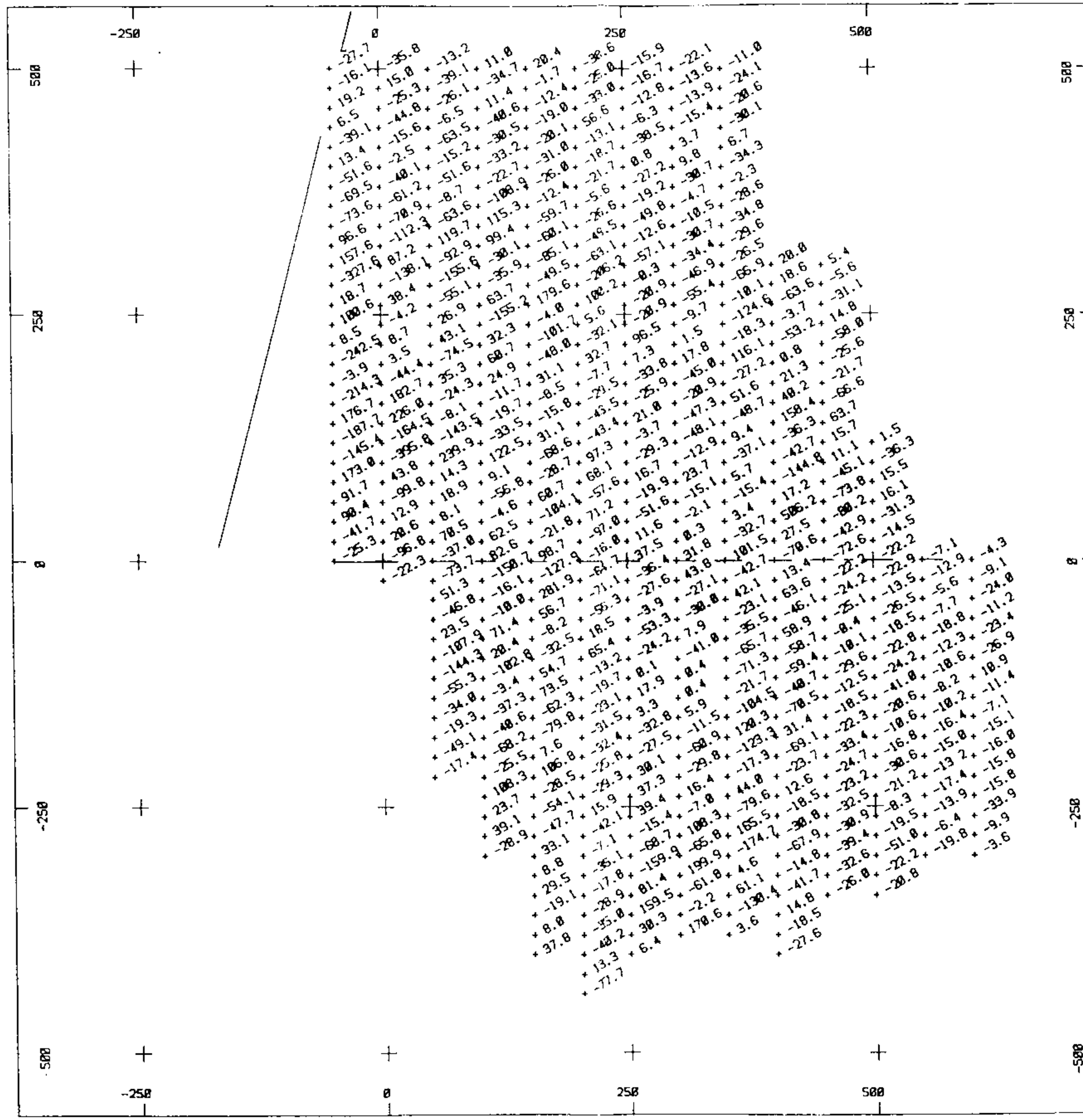
Pictou Grid 1:5000

Ground Magnetometer Survey

Total Field Contour Plan

DRAWN BY:	jmt	DATE:	June 1987

SCOTT GEOPHYSICS LTD.



LEGEND:

Sensor separation: 1 meter

Equipment: IGS (Scintrex MP-4)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

METERS
0 100 200 300 400

HOMESTAKE MINERAL DEV. CO.

Atlin B.C.

Pictou Grid 1:5000

Ground Magnetometer Survey

Vertical Gradient Data

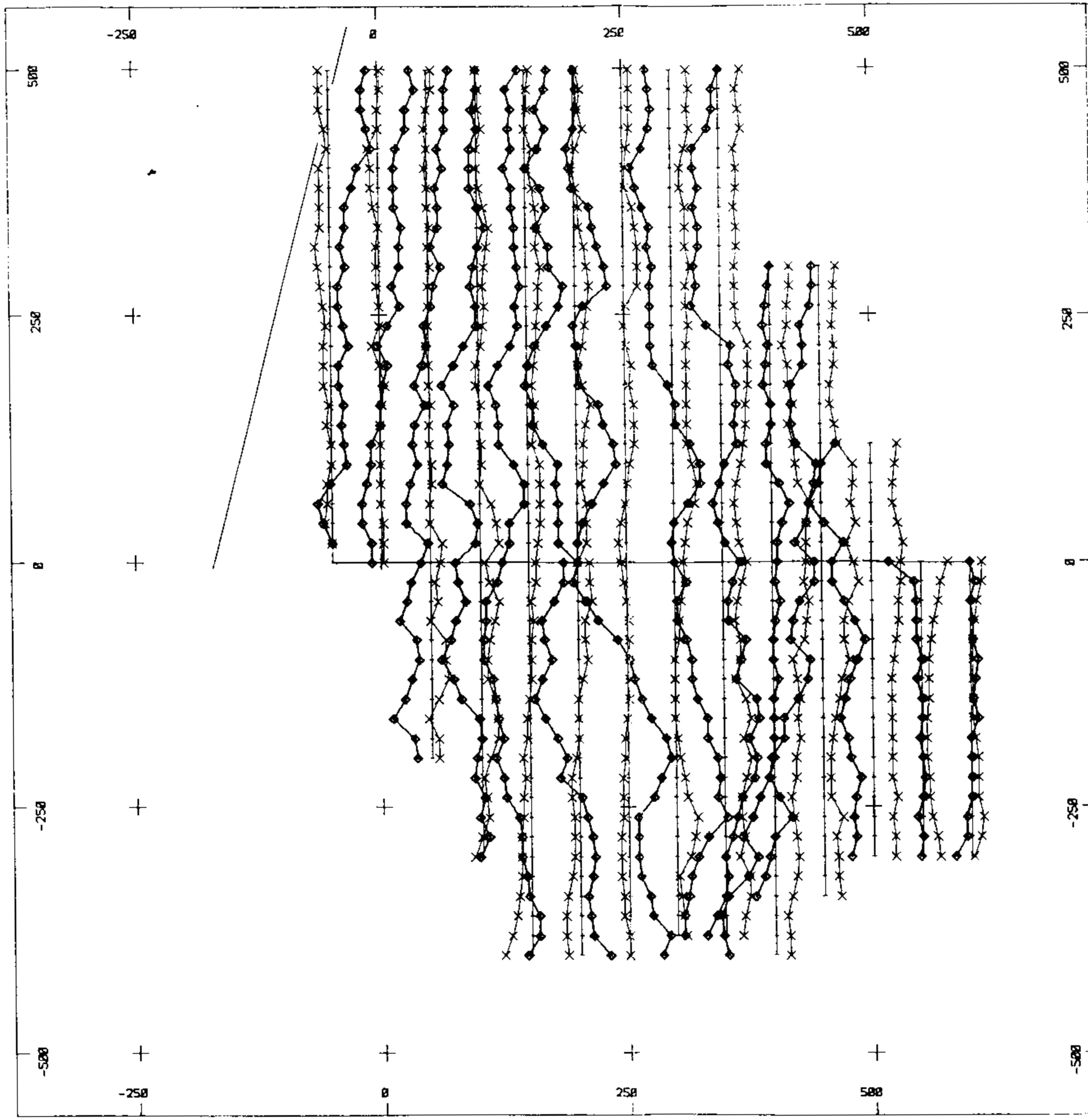
DRAWN BY: jmt

DATE: June 1987

SCOTT GEOPHYSICS LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656



LEGEND:

Station NPM (Hawaii) - 23.4 kHz

◇ . In Phase - 20% / cm

× . Quadrature - 20% / cm

Zero % on line

Positive values to west

Anomaly locn: point of max slope

. positive values to the north

METERS

0 100 200 300 400

HOMESTAKE MINERAL DEV. CO.

Atlin B.C.

Pictou Grid 1:5000

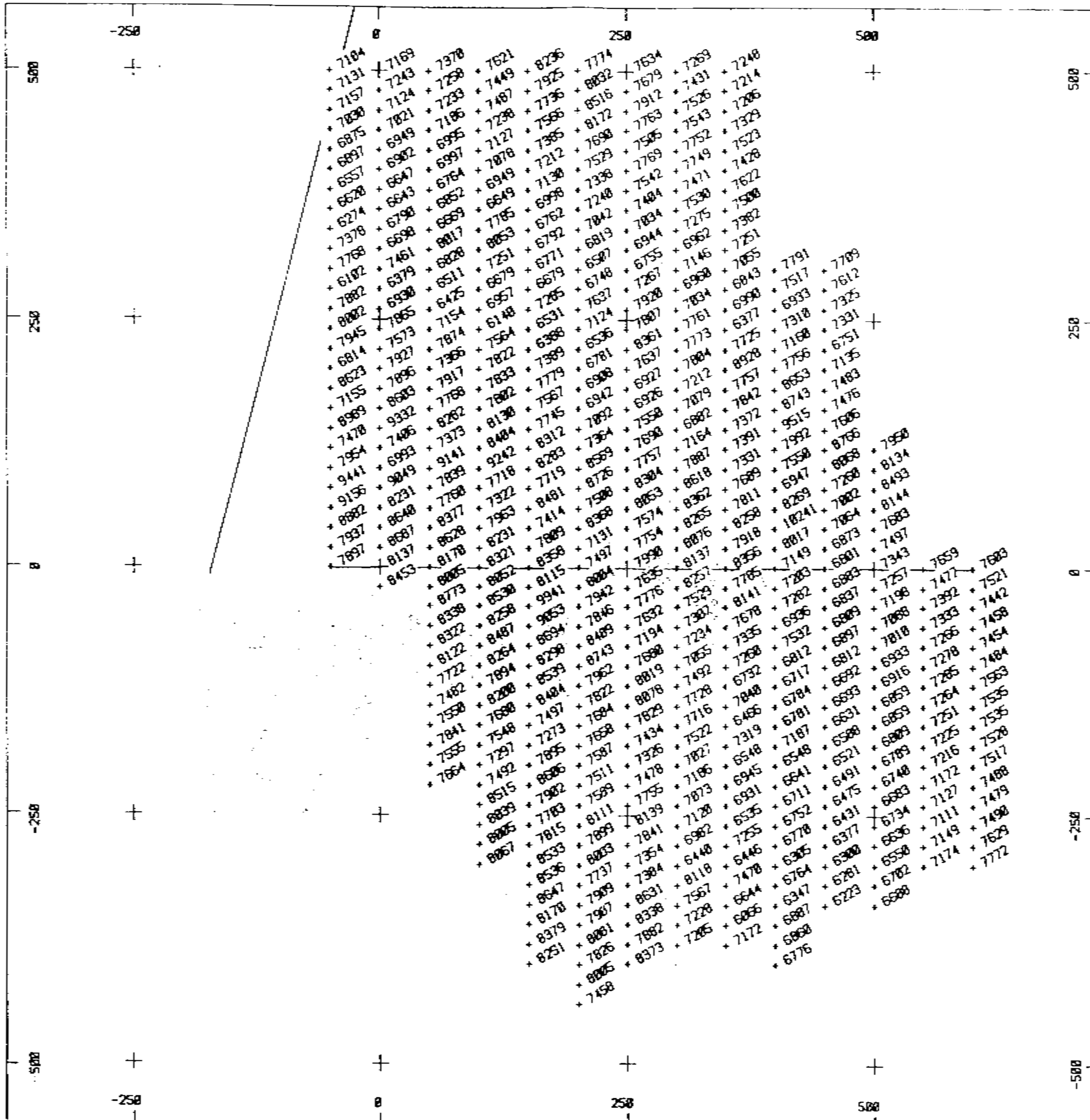
VLF-EM Survey

DRAWN BY:	Jmt	DATE:	June 1987

SCOTT GEOPHYSICS LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656



LEGEND:

50000 nT removed from all data

Equipment: IGS (Scintrex MP-4)

METERS

0 100 200 300 400

HOMESTAKE MINERAL DEV. CO.

Atlin B.C.

Pictou Grid 1:5000

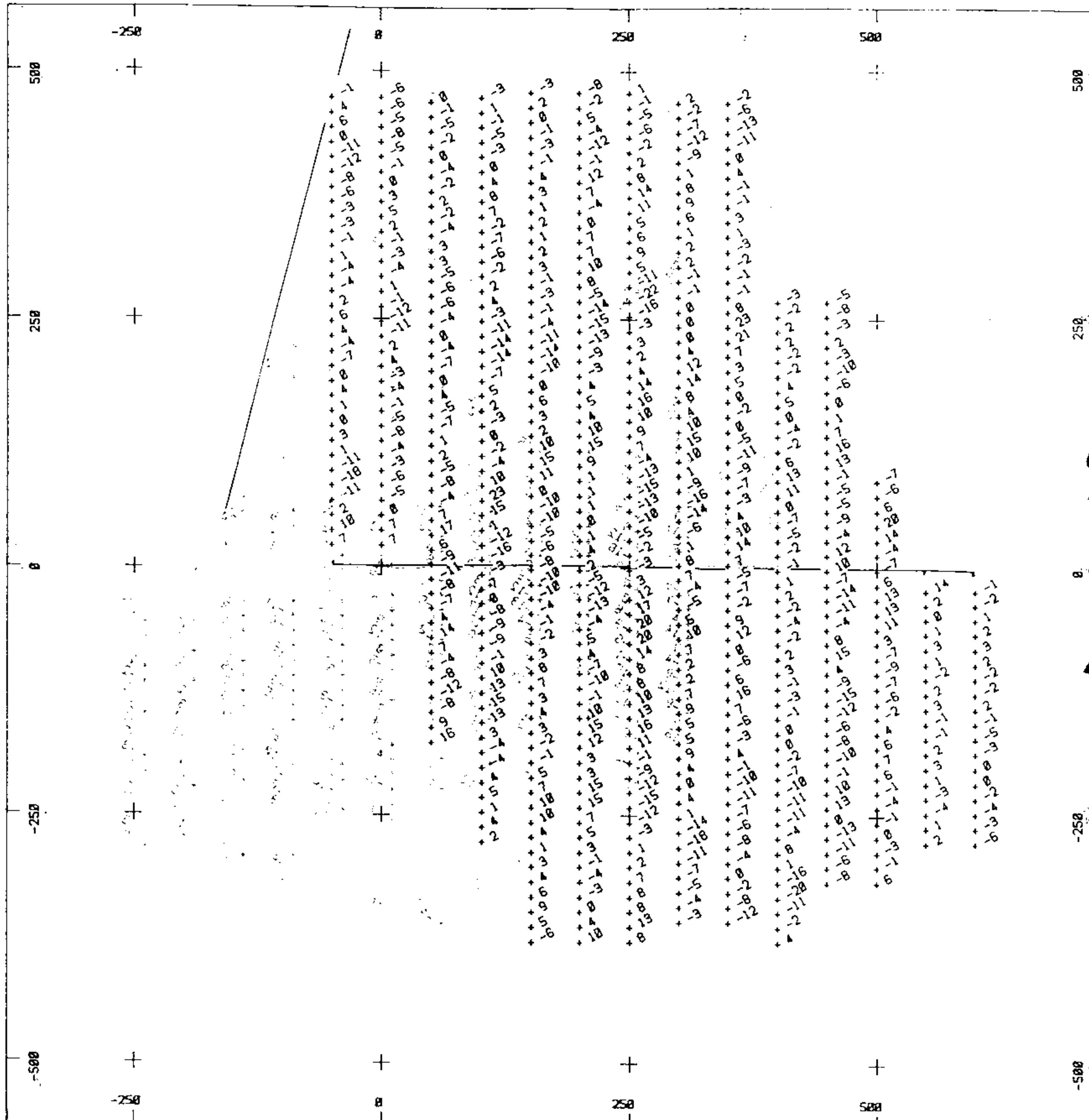
Ground Magnetometer Survey

Total Field Data

DRAWN BY: Jmt

DATE: June 1987

SCOTT GEOPHYSICS LTD.



LEGEND:

Station: NPM (Hawaii) - 23.4 kHz

Equipment: IGS (Scintrex VLF-4)

Note: Data re-sampled at 15 meter intervals before computing values

HOMESTAKE MINERAL DEV. CO.

Atlin B.C.

Pictou Grid 1:5000

VLF-EM Survey

Fraser Filter Data

DRAWN BY: jwt | DATE: June 1987

SCOTT GEOPHYSICS LTD.

ATB

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

Master
NTS - Connolly Property
11 BC. 104N.12
✓ PAR.

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: Rock Chips AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 26 1987 DATE REPORT MAILED: Sept 4/87 ASSAYER [illegible] ..DEAN TOYE, CERTIFIED B.C. ASSAYER

HOMESTAKE MINERAL (VAN) PROJECT-PC-5710 File # 87-3659 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
PC-01-1-33101	1	1623	996	385	411.9	253	13	255	1.93	890	5	30	1	79	13	1294	2	4	1.24	.004	2	60	6.88	5	.01	3	.07	.01	.02	1	42000
PC-01-1-33102	4	4279	2	337	10.4	186	87	2551	18.16	68	5	ND	2	113	14	2	2	321	2.49	.037	2	59	2.23	55	.01	3	.44	.01	.05	1	330
STD C/AU-R	19	57	38	128	7.4	72	28	1139	4.08	41	19	7	39	53	19	17	21	62	.48	.097	40	58	.87	173	.09	36	1.79	.06	.13	13	490
PC-01-1-33103	1	811	134	281	436.1	911	35	582	3.39	864	5	64	1	124	7	540	3	17	2.00	.006	2	485	14.53	9	.01	12	.27	.01	.01	1	61500
PC-01-1-33104	1	101	28	17	26.5	314	13	455	2.34	142	5	3	1	110	1	17	2	15	2.27	.005	2	83	9.73	7	.01	2	.12	.01	.01	1	3050
PC-01-1-33105	1	137	101	38	119.5	592	23	470	2.58	257	5	27	1	44	1	43	2	10	.94	.005	2	280	10.18	6	.01	9	.15	.01	.01	1	19500
PC-01-1-33106	1	754	357	185	394.2	467	24	461	2.71	643	5	21	1	48	5	609	2	7	.91	.005	2	95	11.98	6	.01	2	.10	.01	.02	1	13450
PC-01-1-33107	1	951	421	175	398.6	336	17	388	2.40	473	5	14	1	52	6	690	2	5	1.03	.005	2	81	11.00	4	.01	7	.08	.01	.02	1	9850
PC-01-1-33108	1	12	11	9	2.0	611	28	500	3.40	174	5	ND	1	351	1	23	2	14	6.55	.005	2	179	13.28	18	.01	13	.10	.01	.02	2	44
PC-01-1-33109	1	352	426	86	236.7	359	16	368	2.04	414	5	10	1	62	1	226	2	5	1.21	.004	2	74	9.53	4	.01	5	.07	.01	.01	1	6200
PC-01-1-33110	1	2354	750	452	382.9	165	7	148	1.26	974	5	27	1	81	17	2014	6	3	1.46	.003	2	49	3.22	4	.01	2	.05	.01	.01	1	33600
PC-01-1-33111	1	4	2	6	1.8	492	18	428	2.90	207	5	ND	1	643	1	23	2	7	11.08	.004	2	112	12.66	8	.01	2	.10	.01	.01	1	81
PC-01-1-33112	1	345	241	62	437.6	192	7	289	1.41	115	5	35	1	113	1	161	2	4	3.76	.004	2	45	5.34	4	.01	2	.06	.01	.01	1	38200
PC-01-1-33113	1	6	2	5	.7	290	15	306	2.66	22	5	ND	1	397	1	12	2	9	6.74	.004	2	128	10.98	40	.01	6	.11	.01	.01	1	33
PC-01-1-33114	1	23	10	8	12.9	441	23	595	2.40	133	5	ND	1	700	1	14	2	9	12.10	.003	2	81	9.27	12	.01	2	.07	.01	.01	2	225
PC-01-1-33115	1	9	10	3	2.1	104	6	256	2.01	29	5	ND	1	1203	1	10	2	11	16.68	.004	2	90	9.91	7	.01	3	.10	.01	.01	2	420
PC-01-1-33116	1	14	12	8	6.1	402	16	399	2.58	152	5	6	1	258	1	22	2	8	8.53	.004	2	91	11.29	12	.01	2	.09	.01	.01	2	5405
PC-01-1-33117	1	5	3	6	.7	418	20	427	2.65	62	5	ND	1	775	1	12	2	8	12.05	.005	2	91	11.74	8	.01	2	.07	.01	.01	1	18
PC-01-1-33118	1	279	149	32	252.2	328	12	280	1.98	153	5	20	1	55	1	38	2	7	.99	.004	2	83	6.31	6	.01	4	.08	.01	.02	1	18700
PC-01-1-33119	1	2297	651	288	382.8	163	6	150	1.32	485	5	16	1	77	15	1035	6	4	2.30	.003	2	53	3.47	4	.01	9	.06	.01	.01	1	36800
PC-01-1-33120	1	6	7	7	4.2	344	16	402	2.71	55	5	ND	1	362	1	16	2	9	10.19	.005	2	100	12.09	8	.01	2	.08	.01	.01	1	65
PC-01-1-33121	1	20	9	7	15.5	291	13	405	2.53	71	5	ND	1	326	1	23	2	8	12.14	.004	2	84	10.44	10	.01	2	.07	.01	.01	2	93
PC-01-1-33122	1	1571	1395	408	369.4	256	9	223	1.52	187	5	23	1	30	14	1474	4	5	.55	.004	2	58	5.31	4	.01	10	.07	.01	.01	1	34500
PC-01-1-33123	1	5	2	9	2.4	651	19	511	3.19	63	5	ND	1	242	1	10	2	11	13.21	.004	2	170	12.44	17	.01	2	.11	.01	.01	2	53
PC-01-1-33124	1	20	13	16	10.5	1093	32	649	2.71	16	5	2	1	151	1	21	2	4	7.59	.006	2	95	13.43	19	.01	19	.07	.02	.01	1	89
PC-01-1-33125	1	72	4	19	1.8	418	26	976	3.48	24	5	ND	1	135	1	6	2	68	6.27	.017	2	349	8.61	34	.01	3	1.66	.01	.01	1	225
PC-01-1-33126	1	10	11	20	2.8	1491	52	673	3.30	18	5	ND	1	9	1	9	18	1	.27	.006	2	71	20.09	6	.01	27	.09	.01	.01	1	96
PC-01-1-33127	1	127	108	108	77.4	1245	52	625	3.29	375	5	2	1	94	1	73	8	5	1.42	.006	2	82	18.49	5	.01	3	.08	.01	.01	1	5885
PC-01-1-33128	1	19	7	19	.6	900	34	642	4.12	32	5	ND	1	83	1	5	6	35	2.61	.007	2	450	14.03	12	.01	4	.46	.01	.02	1	725
PC-01-1-33129	1	15	2	14	1.0	978	33	732	3.85	58	5	ND	1	68	1	10	7	6	1.69	.004	2	115	15.91	9	.01	2	.10	.01	.01	1	21
PC-01-1-33130	1	11	6	12	.6	672	29	632	3.66	203	5	ND	1	423	1	31	2	12	8.05	.004	2	164	12.50	10	.01	2	.09	.01	.01	1	7
PC-01-1-33131	1	11	4	17	.3	1041	37	715	4.98	20	5	ND	1	226	1	5	2	18	6.60	.005	2	282	12.91	22	.01	4	.11	.02	.02	1	1
PC-01-1-33132	1	7	12	14	.3	996	30	549	3.88	23	5	ND	1	204	1	8	3	15	4.19	.004	2	268	15.37	22	.01	6	.13	.02	.02	1	3
PC-01-1-33133	1	14	9	15	1.2	1006	36	756	4.18	275	5	ND	1	24	1	11	9	17	.94	.006	2	367	18.10	21	.01	5	.26	.01	.02	1	14
PC-01-1-33134	1	225	135	41	130.4	721	27	594	3.17	217	5	12	1	153	1	83	2	10	3.53	.004	2	141	12.15	7	.01	2	.09	.01	.01	1	7255
PC-01-1-33135	1	26	12	22	1.5	688	31	756	3.90	136	5	ND	1	55	1	23	4	12	2.04	.006	2	162	15.13	66	.01	5	.15	.01	.02	1	31
PC-01-1-33136	1	256	209	94	183.8	925	36	586	3.64	717	5	10	1	36	2	170	8	12	.71	.005	2	314	15.48	10	.01	4	.18	.01	.02	1	14290

VILTOU GEOCHEMISTRY

ASSAY REQUIRED FOR

HOMESTAKE MINERAL (VAN) PROJECT-PC-5710 FILE # 87-3659

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
PC-01-1-33137	1	91	108	22	69.1	642	26	440	3.11	617	5	5	1	76	3	59	2	13	1.38	.005	2	378	12.44	9	.01	2	.24	.01	.02	1	7655
PC-01-1-33138	1	30	29	15	28.4	647	29	500	3.36	174	5	6	1	91	1	38	2	13	2.58	.005	2	191	13.00	16	.01	5	.13	.01	.02	1	4485
PC-01-1-33139	1	31	6	17	5.3	898	37	663	3.69	604	7	ND	2	123	2	29	2	18	2.52	.005	2	561	13.39	20	.01	7	.35	.01	.02	1	1320
PC-01-1-33140	1	29	2	12	2.4	876	34	502	4.15	158	5	ND	1	141	2	21	2	16	4.32	.005	2	312	15.38	13	.01	2	.18	.01	.01	1	215
PC-01-1-33141	1	64	3	13	2.1	838	33	525	3.63	120	5	ND	1	184	2	17	2	14	5.06	.005	2	295	14.40	10	.01	4	.18	.01	.02	1	395
PC-01-1-33142	1	21	2	18	.4	953	42	715	4.52	47	5	ND	1	30	1	21	2	14	1.41	.005	2	225	14.92	8	.01	2	.21	.01	.01	1	11
PC-01-1-33143	1	26	2	20	.4	916	38	589	4.46	44	7	ND	2	47	3	19	2	22	1.06	.007	2	388	14.60	9	.01	2	.36	.01	.01	1	49
PC-01-1-33144	1	18	2	12	.8	793	32	517	3.87	87	5	ND	2	219	3	24	2	8	3.29	.006	2	128	14.97	8	.01	5	.10	.01	.02	1	48
PC-01-1-33145	1	142	19	37	41.8	577	26	428	3.54	239	5	3	1	159	3	55	2	19	2.87	.007	2	127	12.65	20	.01	4	.18	.01	.05	1	3655
PC-01-1-33146	2	14	9	18	3.4	660	30	646	3.87	237	5	ND	1	142	2	18	2	9	7.31	.006	2	98	14.84	10	.01	3	.10	.01	.01	1	620
PC-01-1-33147	1	10	2	14	.7	727	31	522	3.45	87	5	ND	1	196	2	33	2	15	2.54	.005	2	223	12.72	12	.01	8	.14	.01	.02	1	21
PC-01-1-33148	1	6	3	11	.3	858	30	655	3.80	81	5	ND	1	172	1	24	2	14	2.71	.006	2	187	14.65	12	.01	2	.11	.01	.01	1	12
PC-01-1-33149	1	4	6	14	.7	1047	34	574	4.15	51	5	ND	1	280	1	20	2	17	5.57	.005	2	361	14.31	15	.01	3	.19	.01	.02	1	16
PC-01-1-33150	1	10	2	17	.5	1074	43	607	3.82	102	5	ND	1	119	2	27	2	8	3.75	.005	2	108	16.28	6	.01	5	.09	.01	.02	1	33
PC-01-1-33151	1	5	8	21	.2	1083	40	496	3.71	10	5	ND	1	138	1	17	2	18	5.77	.005	2	500	14.27	14	.01	5	.20	.01	.01	1	9
PC-01-1-33152	1	5	7	24	.2	1524	59	859	5.31	14	5	ND	1	172	1	15	2	14	6.19	.006	2	176	15.78	19	.01	5	.10	.01	.01	1	16
PC-01-1-33153	1	20	2	26	.9	1760	56	793	3.60	51	5	ND	1	9	3	18	3	2	.34	.006	2	57	20.73	6	.01	5	.09	.01	.01	1	45
PC-01-1-33154	1	13	4	34	2.5	1093	41	562	3.55	151	5	ND	1	26	2	24	2	7	.64	.006	2	245	18.17	9	.01	4	.11	.01	.01	1	325
PC-01-1-33155	1	6	5	17	.7	1250	44	591	3.74	124	5	ND	1	105	1	13	2	8	1.07	.008	2	221	18.72	12	.01	2	.10	.01	.01	1	23
PC-01-1-33156	2	8	2	21	.1	1593	44	577	3.32	13	5	ND	1	144	1	15	2	4	5.35	.007	2	174	16.60	17	.01	3	.11	.01	.01	1	13
PC-01-1-33157	1	6	4	21	.3	1633	48	538	3.11	14	5	ND	1	92	2	16	2	3	1.97	.008	2	106	17.36	15	.01	7	.09	.01	.01	1	5
PC-01-1-33158	1	7	5	18	.2	1207	41	554	3.88	11	5	ND	1	139	1	14	2	15	6.26	.005	2	329	15.44	26	.01	7	.20	.01	.01	1	4
PC-01-1-33159	1	9	2	19	.2	1152	44	451	4.17	16	5	ND	1	35	1	18	2	24	.82	.005	2	667	15.58	72	.01	18	.41	.01	.01	1	10
PC-01-1-33160	1	6	2	12	.1	592	24	487	3.30	19	5	ND	1	280	1	13	2	15	14.94	.004	2	260	11.23	19	.01	4	.16	.01	.01	1	17
PC-01-1-33161	2	37	3	26	.1	948	48	767	4.94	12	5	ND	1	135	1	22	2	45	6.80	.011	2	472	11.52	27	.01	3	.81	.01	.01	1	22
PC-01-1-33162	1	6	2	18	.2	703	34	647	3.73	9	5	ND	1	58	2	19	2	30	3.18	.006	2	777	9.33	15	.01	16	.68	.01	.01	1	2
STD C/AU-R	20	63	37	132	7.4	69	28	1031	4.06	42	21	8	44	55	23	18	21	58	.49	.098	41	60	.89	181	.09	38	1.89	.07	.15	12	485

Pictou GEOCHEMISTRY

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

Master
NB - Connolly Property
11.BC.104N.12
PAR.

GEOCHEMICAL/ASSAY CERTIFICATE

.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: Rock Chips   AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. AU** BY FIRE ASSAY

DATE RECEIVED: JUNE 16 1987   DATE REPORT MAILED: June 22/87   ASSAYER. D.Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER

HOMESTAKE MINERAL (VAN) PROJECT -BR-5710   File # 87-1810   Page 1

PICTOU GEOCHEM.

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	AU** GM/T
BR-01-1-36001	1	46	2	17	.1	29	11	195	1.79	2	5	ND	1	18	1	2	2	41	1.37	.048	2	33	.42	8	.25	2	1.17	.18	.04	1	7	-
BR-01-1-36002	1	2	2	14	.1	3	2	278	1.28	43	5	ND	1	81	1	2	2	2	2.99	.020	2	2	1.09	57	.01	2	.25	.01	.14	1	13	-
BR-01-1-36003	1	26	2	40	.1	3	2	210	.79	10	5	ND	1	42	1	2	2	1	1.32	.032	3	1	.44	86	.01	2	.29	.01	.16	1	3	-
BR-01-1-36004	1	4	2	14	.1	713	25	888	2.45	221	5	ND	2	1643	1	4	2	7	13.07	.010	2	129	9.79	21	.01	2	.04	.01	.03	2	2	-
BR-01-1-36005	1	5	11	32	.3	6	1	171	.56	48	5	ND	1	51	1	2	3	1	.73	.003	8	1	.38	130	.01	2	.26	.01	.17	2	29	-
BR-01-1-36006	3	8	6	27	.1	1330	43	1015	3.44	51	5	ND	1	25	1	12	8	1	.27	.005	2	84	21.66	46	.01	6	.01	.01	.01	2	9	-
BR-01-1-36007	2	3	4	4	.3	20	1	4226	1.79	16	5	ND	2	1087	1	2	2	4	22.02	.001	2	31	9.59	9	.01	2	.03	.01	.02	1	13	-
BR-01-1-36008	2	36	480	41	39.4	364	18	402	1.66	171	5	ND	1	449	4	6	34	5	5.73	.010	2	96	6.25	15	.01	2	.06	.01	.03	2	595	.61
BR-01-1-36009	2	22	33	11	2.1	567	31	525	2.54	239	5	ND	1	763	1	78	2	6	6.86	.002	2	146	11.41	13	.01	2	.03	.01	.02	1	21	-
BR-01-1-36010	1	45	2	11	.1	703	28	628	1.94	36	5	ND	1	424	1	14	2	10	8.31	.002	2	91	9.48	9	.01	2	.03	.01	.01	1	2	-
BR-01-1-36011	3	3	5	8	.1	1450	44	473	2.66	19	5	ND	1	41	1	8	5	1	.59	.001	2	147	20.25	3	.01	12	.01	.01	.01	1	3	-
BR-01-1-36012	1	5	2	6	1.3	157	7	115	.94	192	5	ND	1	8	1	26	4	1	.07	.002	2	24	.43	43	.01	2	.09	.01	.06	1	62	-
BR-01-1-36013	1	2	2	47	.1	25	7	357	2.35	2	5	ND	1	29	1	2	2	42	.83	.027	5	10	1.30	64	.01	3	1.07	.04	.10	1	12	-
BR-01-1-36014	1	42	2	15	.3	233	14	573	3.74	51	5	ND	1	29	1	4	2	25	.55	.005	2	40	4.55	14	.01	2	.11	.01	.06	1	9	-
BR-01-1-36015	1	4	3	7	.3	478	19	335	2.01	318	5	ND	1	45	1	8	2	4	.75	.002	2	86	7.47	7	.01	2	.03	.01	.02	1	5	-
BR-01-1-36016	2	4	55	15	1.0	969	34	448	2.87	639	5	ND	1	115	1	15	2	9	1.23	.002	2	147	14.84	8	.01	2	.03	.01	.03	1	20	-
BR-01-1-36017	2	4	3	13	.1	1123	53	596	3.24	52	5	ND	1	106	1	16	4	6	1.65	.005	2	119	18.10	5	.01	4	.02	.01	.01	1	1	-
BR-01-1-36018	1	19	2	11	.1	1196	35	475	3.71	163	5	ND	1	354	1	51	2	15	6.10	.005	2	299	12.96	88	.01	2	.08	.01	.04	1	1	-
BR-01-1-36019	1	3	3	13	.2	46	3	203	.98	32	5	ND	1	26	1	2	3	3	.61	.017	8	16	.47	38	.01	2	.18	.01	.11	1	8	-
BR-01-1-36020	1	9	2	9	.1	114	9	359	2.21	27	5	ND	2	604	1	2	2	10	15.10	.002	2	76	7.37	10	.01	2	.05	.01	.01	1	1	-
BR-01-1-36021	48	12	6	12	.1	972	42	728	3.22	57	5	ND	1	100	1	3	2	4	2.53	.002	2	128	15.82	73	.01	2	.04	.01	.01	1	1	-
BR-01-1-36022	2	9	2	9	.1	808	34	549	2.37	19	5	ND	1	273	1	6	2	4	7.16	.002	2	111	14.11	17	.01	4	.03	.01	.01	1	2	-
BR-01-1-36023	3	9	2	15	.1	9	1	36	.14	5	5	ND	1	79	1	3	6	4	.59	.010	2	6	17.45	34	.01	4	.11	.03	.02	1	1	-
BR-01-1-36024	2	5	2	7	.1	672	26	306	2.26	12	5	ND	1	214	1	6	2	7	2.80	.002	2	184	13.38	14	.01	2	.03	.01	.01	1	1	-
BR-01-1-36025	2	3	2	5	.1	305	12	208	1.67	4	5	ND	2	1552	1	3	2	5	16.52	.001	2	123	12.31	10	.01	4	.02	.01	.01	1	3	-
BR-01-1-36026	1	5	2	11	.1	453	18	249	1.56	37	5	ND	1	97	1	4	2	3	1.23	.005	2	106	5.33	26	.01	3	.01	.01	.01	1	2	-
BR-01-1-36027	2	1	2	14	.1	1104	41	447	3.28	2	5	ND	1	241	1	2	2	15	3.03	.002	2	394	15.54	25	.01	7	.07	.01	.02	1	2	-
BR-01-1-36028	1	3	2	7	.7	363	16	360	1.88	208	5	ND	1	674	1	7	2	6	9.11	.002	2	122	8.15	13	.01	2	.03	.01	.02	1	2	-
BR-01-1-36029	2	6	2	9	.1	548	21	335	2.26	163	5	ND	1	263	1	10	2	7	9.01	.002	2	163	11.23	903	.01	2	.02	.01	.01	1	1	-
BR-01-1-36030	2	3	2	15	.1	1362	58	487	3.65	9	5	ND	1	104	1	2	2	5	1.33	.002	2	210	17.70	31	.01	5	.02	.01	.01	1	1	-
BR-01-1-36031	2	3	2	11	.1	802	32	423	2.43	42	5	ND	2	233	1	8	2	3	7.53	.005	2	119	13.23	93	.01	4	.01	.01	.01	1	1	-
BR-01-1-36032	2	5	8	10	.1	1091	35	514	3.47	55	5	ND	1	159	1	17	2	10	1.50	.001	2	225	16.17	37	.01	2	.05	.01	.02	1	1	-
BR-01-1-36033	1	6	2	6	1.3	368	17	429	2.18	148	5	ND	3	621	1	10	2	5	12.97	.002	2	107	9.06	12	.01	2	.04	.01	.02	1	9	-
BR-01-1-36034	1	6	3	9	2.5	1144	45	462	2.32	1070	5	ND	1	455	1	31	2	4	4.81	.001	2	121	10.42	13	.01	3	.01	.01	.01	1	14	-
BR-01-1-36035	2	9	2	4	.4	62	4	295	1.60	28	5	ND	2	584	1	6	2	6	18.17	.002	2	72	8.96	32	.01	2	.02	.01	.01	1	3	-
BR-01-1-36036	1	6	2	5	1.2	250	11	714	2.07	239	5	ND	3	364	1	20	2	4	13.43	.002	2	82	8.76	10	.01	4	.03	.01	.01	1	27	-
STD C/AU-R	18	58	40	129	6.8	66	27	971	3.93	40	16	8	32	48	17	17	21	58	.38	.099	34	58	.82	173	.08	35	1.74	.07	.13	13	505	-

PICTOU GEOCHEM.

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	AU** GM/T
BR-01-1-36037	1	3	2	3	.1	129	6	226	1.29	49	5	ND	1	271	1	9	2	4	10.82	.002	2	89	7.56	16	.01	2	.01	.01	.01	1	1	-
BR-01-1-36038	1	12	5	18	.1	842	35	582	2.78	35	5	ND	1	209	1	3	2	3	4.21	.007	2	98	13.63	13	.01	3	.10	.01	.01	1	2	-
BR-01-1-36039	2	11	6	20	.1	1359	47	582	3.08	8	5	ND	1	73	1	2	2	4	1.34	.009	2	110	17.50	14	.01	3	.02	.01	.01	1	1	-
BR-01-1-36040	2	11	6	19	.1	1586	51	610	3.37	10	5	ND	1	220	1	3	2	8	3.51	.007	2	170	18.01	20	.01	2	.04	.01	.01	1	2	-
BR-01-1-36041	1	39	2	10	.1	956	41	809	3.13	12	5	ND	1	59	1	2	2	8	2.38	.004	2	308	16.74	11	.01	3	.18	.01	.01	1	1	-
BR-01-1-36042	2	2	2	10	.1	779	21	376	3.80	5	5	ND	1	162	1	2	2	13	2.76	.004	2	223	19.41	10	.01	2	.06	.01	.02	1	1	-
BR-01-1-36043	1	3	3	6	.1	719	28	328	2.33	5	5	ND	1	55	1	2	2	3	1.78	.004	2	87	12.30	15	.01	3	.01	.01	.01	1	1	-
BR-01-1-36044	1	1197	659	199	278.0	216	11	229	1.53	760	5	28	1	53	8	974	5	2	1.21	.001	2	50	5.89	5	.01	2	.01	.01	.02	1	16900	15.63
BR-01-1-36045	1	4	4	14	.7	956	31	533	3.41	56	5	ND	2	431	1	3	2	12	8.30	.001	2	204	12.96	18	.01	4	.05	.01	.02	1	5	-
BR-01-1-36046	2	13	12	15	3.3	967	42	673	4.16	22	5	ND	1	225	1	6	2	13	6.00	.001	2	258	15.14	9	.01	2	.06	.01	.02	1	11	-
BR-01-1-36047	1	47	12	38	.2	33	4	282	1.33	2	5	ND	1	8	1	2	5	4	.22	.009	5	11	.35	53	.01	4	.41	.01	.08	1	1	-
BR-01-1-36048	1	9	2	11	.3	612	39	612	3.56	9	5	ND	1	17	1	3	2	20	.67	.002	2	740	14.82	26	.01	2	.44	.01	.01	1	12	-
BR-01-1-36049	2	5	4	12	.3	804	32	598	3.53	11	5	ND	1	15	1	3	2	20	.62	.002	2	672	15.00	7	.01	4	.37	.01	.01	1	14	-
BR-01-1-36050	2	20	13	17	8.9	686	27	542	3.32	270	5	ND	1	31	1	23	2	8	1.20	.004	2	179	16.20	10	.01	2	.06	.01	.03	1	450	-
BR-01-1-36051	2	9	6	13	3.1	1083	38	535	3.69	713	5	ND	1	27	1	26	2	12	.62	.004	2	255	18.54	15	.01	4	.08	.01	.03	1	84	-
BR-01-1-36052	1	18	6	13	2.3	1086	41	623	3.88	518	5	ND	1	34	1	13	2	19	.85	.004	2	655	15.82	29	.01	2	.34	.01	.01	1	215	-
BR-01-1-36053	2	7	5	13	.4	1267	45	622	4.04	74	5	ND	1	81	1	4	2	19	1.77	.006	2	390	16.56	22	.01	5	.16	.01	.03	1	4	-
BR-01-1-36054	2	5	2	13	.2	1104	38	596	3.63	39	5	ND	1	74	1	3	2	15	2.01	.003	2	286	15.11	16	.01	3	.08	.01	.02	1	1	-
BR-01-1-36055	2	3	5	13	.2	1062	43	594	3.82	60	5	ND	1	205	1	3	2	11	3.28	.006	2	171	13.34	15	.01	7	.05	.01	.02	1	1	-
BR-01-1-36056	2	28	2	15	.4	1058	41	583	3.78	130	5	ND	1	50	1	9	2	5	1.15	.003	2	108	17.15	11	.01	2	.04	.01	.01	1	1	-
BR-01-1-36057	2	7	3	12	.1	1024	35	572	3.43	43	5	ND	1	32	1	4	2	11	1.01	.003	2	285	16.56	11	.01	2	.12	.01	.01	1	2	-
BR-01-1-36058	2	6	3	13	.1	872	30	458	3.29	25	5	ND	1	204	1	2	2	9	3.87	.006	2	181	14.78	13	.01	4	.06	.01	.02	1	11	-
BR-01-1-36059	1	26	12	9	.3	702	30	505	2.41	86	5	ND	1	170	1	10	2	11	1.94	.003	2	153	10.02	16	.01	5	.05	.01	.02	1	9	-
BR-01-1-36060	2	6	6	14	3.0	1346	51	633	4.05	31	5	ND	1	30	1	6	2	15	.68	.005	2	267	17.33	15	.01	4	.09	.01	.02	1	13	-
BR-01-1-36061	1	29	6	21	.1	997	40	532	3.07	53	5	ND	1	68	1	3	2	7	2.20	.010	2	162	11.50	17	.01	5	.18	.01	.02	1	1	-
BR-01-1-36062	1	6	8	23	.1	1344	52	537	3.73	7	5	ND	1	94	1	2	2	21	2.03	.006	2	721	15.44	32	.01	23	.29	.01	.01	1	1	-
BR-01-1-36063	2	6	2	24	.1	1177	55	505	3.53	7	5	ND	1	7	1	2	2	26	.82	.003	2	1004	16.21	11	.01	34	.49	.01	.01	1	1	-
BR-01-1-36064	2	3	3	15	.1	891	37	610	3.40	8	5	ND	1	30	1	2	2	18	1.35	.003	2	649	15.30	36	.01	12	.24	.01	.02	1	2	-
BR-01-1-36065	2	3	6	15	.1	928	37	583	3.74	15	5	ND	1	22	1	2	2	19	.48	.003	2	622	16.95	26	.01	9	.25	.01	.01	1	1	-
BR-01-1-36066	1	4	2	13	.3	1004	36	440	3.16	151	5	ND	1	464	1	7	2	15	7.25	.005	2	301	10.33	22	.01	2	.06	.01	.01	1	88	-
BR-01-1-36067	2	4	5	16	.2	856	36	520	3.31	79	5	ND	1	254	1	4	2	8	4.57	.005	2	226	13.52	19	.01	3	.04	.01	.01	1	15	-
BR-01-1-36068	2	7	3	11	.1	740	28	461	3.01	36	5	ND	1	349	1	3	2	8	6.15	.005	2	162	12.62	12	.01	2	.04	.01	.02	1	1	-
BR-01-1-36069	2	6	3	10	.2	841	30	495	2.53	14	5	ND	2	153	1	2	2	3	7.79	.003	2	71	14.53	11	.01	4	.02	.01	.01	1	2	-
BR-01-1-36070	2	7	2	11	.9	1001	51	714	3.02	18	5	ND	1	12	1	4	2	1	.31	.003	2	110	17.30	13	.01	5	.01	.01	.01	1	38	-
BR-01-1-36071	2	8	2	20	.3	765	48	470	3.07	21	5	ND	1	15	1	3	2	1	.93	.005	2	132	12.86	48	.01	4	.03	.01	.01	1	2	-
BR-01-1-36072	3	8	2	11	.1	847	39	660	3.04	15	5	ND	1	9	1	5	2	2	.17	.004	2	168	16.60	49	.01	3	.02	.01	.01	1	3	-
STD C/AU-R	18	53	42	128	7.1	65	28	963	3.93	43	18	7	32	46	16	17	20	59	.43	.095	34	55	.78	172	.08	38	1.72	.07	.13	14	495	-

PICTOU GEOCHEM.

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	AU** GM/T
BR-01-1-36073	3	4	2	12	.3	989	44	655	3.54	76	5	ND	1	16	1	5	2	4	.31	.006	2	321	19.62	36	.01	11	.04	.01	.01	1	6	-
BR-01-1-36074	3	4	3	13	.2	1182	51	615	3.46	11	5	ND	1	10	1	2	2	5	.17	.004	2	172	19.39	48	.01	6	.06	.01	.01	1	4	-
BR-01-1-36075	3	14	2	22	1.5	1876	57	704	3.01	258	5	ND	1	9	1	7	2	1	.18	.002	2	72	21.81	6	.01	2	.01	.01	.01	1	121	-
BR-01-1-36076	3	49	19	37	18.5	1052	43	475	3.25	234	5	ND	1	103	1	23	2	9	1.14	.006	2	191	17.16	11	.01	2	.04	.01	.01	1	3480	3.22
BR-01-1-36077	3	16	12	37	2.7	1363	47	630	3.25	301	5	ND	1	54	1	6	2	7	.80	.004	2	220	19.17	13	.01	3	.04	.01	.01	1	310	-
BR-01-1-36078	2	6	2	13	.7	1220	39	618	2.91	56	5	ND	1	143	1	5	2	8	1.66	.006	2	154	17.65	8	.01	2	.03	.01	.01	1	21	-
BR-01-1-36079	2	5	7	14	.4	1075	45	660	3.62	84	5	ND	1	79	1	3	2	16	1.19	.004	2	531	16.82	22	.01	3	.24	.01	.02	1	8	-
BR-01-1-36080	2	4	4	14	.5	785	41	647	3.61	24	5	ND	1	17	1	3	3	25	.92	.004	2	928	14.90	31	.01	3	.41	.01	.01	1	16	-
BR-01-1-36081	2	4	2	15	.2	795	37	605	3.63	10	5	ND	1	13	1	2	2	25	.43	.004	2	894	14.84	34	.01	6	.41	.01	.01	1	9	-
BR-01-1-36082	2	8	3	12	1.8	649	28	505	3.05	30	5	ND	1	240	1	5	2	9	10.13	.004	2	144	13.48	10	.01	3	.05	.01	.01	1	710	.64
BR-01-1-36083	2	5	2	14	.1	1004	37	586	3.78	25	5	ND	2	379	1	2	2	18	8.53	.006	2	376	12.82	62	.01	2	.07	.01	.03	1	4	-
BR-01-1-36084	1	8	4	10	.2	591	29	408	2.53	82	5	ND	1	348	1	9	2	6	5.17	.007	2	146	10.50	13	.01	4	.03	.01	.01	1	11	-
BR-01-1-36085	1	313	283	60	359.1	258	10	360	2.35	243	5	28	1	433	2	48	2	9	8.23	.004	2	123	9.66	8	.01	5	.05	.01	.01	1	24800	25.70
BR-01-1-36086	2	4	4	11	.4	802	26	548	3.20	67	5	ND	2	347	1	2	2	12	9.71	.002	2	228	12.46	13	.01	2	.05	.01	.02	1	36	-
BR-01-1-36087	2	7	2	12	.8	959	38	652	3.72	112	5	ND	1	110	1	4	2	18	1.63	.002	2	519	16.27	11	.01	2	.26	.01	.01	1	15	-
BR-01-1-36088	2	4	3	13	1.0	1055	41	798	3.83	81	5	ND	1	95	1	5	2	14	1.37	.006	2	282	16.08	23	.01	6	.10	.01	.02	1	17	-
BR-01-1-36089	2	7	9	11	.4	1004	34	626	3.51	92	5	ND	1	60	1	6	2	18	1.72	.004	2	524	15.29	17	.01	2	.30	.01	.01	1	9	-
BR-01-1-36090	2	3	3	10	.4	1189	35	742	3.66	14	5	ND	1	21	1	2	2	21	.56	.003	2	651	18.14	25	.01	3	.36	.01	.02	1	3	-
BR-01-1-36091	2	6	2	7	.1	440	16	376	2.22	14	5	ND	3	298	1	5	2	11	16.22	.004	2	91	11.31	16	.01	5	.06	.01	.01	1	4	-
BR-01-1-36092	1	57	12	63	2.0	390	26	380	5.03	10	5	ND	6	180	1	2	2	106	1.94	.219	28	58	11.86	529	.06	2	1.91	.02	.35	1	62	-
BR-01-1-36093	1	16	5	36	.2	894	42	513	3.90	8	5	ND	2	167	1	2	2	49	4.68	.065	9	516	12.08	239	.01	9	.73	.01	.11	1	9	-
BR-01-1-36094	1	24	14	27	.5	780	39	577	3.80	10	5	ND	2	237	1	2	2	32	5.43	.054	8	307	12.18	46	.01	7	.34	.01	.07	1	34	-
BR-01-1-36095	2	19	10	10	.2	990	43	630	3.54	16	5	ND	1	110	1	2	2	14	3.57	.001	2	399	13.87	11	.01	3	.15	.01	.01	1	1	-
BR-01-1-36096	1	10	8	15	.1	880	44	583	3.53	7	5	ND	1	214	1	2	2	16	5.45	.004	2	506	13.70	69	.01	3	.14	.01	.02	1	5	-
BR-01-1-36097	1	10	6	17	.1	1292	56	504	3.68	9	5	ND	1	38	1	4	2	26	1.28	.007	2	1036	13.09	155	.01	14	.47	.01	.02	1	1	-
BR-01-1-36098	2	8	2	19	.1	1312	54	635	3.64	4	5	ND	1	144	1	2	2	13	1.63	.006	2	375	16.88	39	.01	9	.10	.01	.02	1	10	-
BR-01-1-36099	3	5	6	18	.1	1409	54	574	3.10	2	5	ND	1	37	1	2	3	11	.53	.004	2	408	18.82	68	.01	55	.15	.02	.02	1	1	-
BR-01-1-36100	2	5	4	16	.2	1053	41	552	3.15	5	5	ND	1	143	1	3	2	9	2.16	.009	2	211	13.49	86	.01	5	.05	.01	.02	1	3	-
BR-01-1-36101	2	4	3	18	.2	1110	46	747	3.81	8	5	ND	1	164	1	2	2	11	2.28	.011	2	276	15.27	26	.01	4	.04	.01	.02	1	3	-
BR-01-1-36102	1	3	6	7	.1	455	18	297	1.98	9	5	ND	1	426	1	2	2	6	10.25	.004	2	106	11.47	13	.01	2	.02	.01	.01	1	2	-
BR-01-1-36103	3	5	4	22	.1	1469	51	562	3.35	15	5	ND	1	85	1	2	2	8	1.52	.008	2	257	18.22	36	.01	2	.05	.01	.01	1	1	-
BR-01-1-36104	2	5	2	19	.1	1303	49	553	4.00	2	5	ND	1	223	1	2	2	16	2.22	.004	2	390	16.42	26	.01	5	.06	.01	.02	1	2	-
BR-01-1-36105	2	8	5	20	.2	1354	57	537	3.48	18	5	ND	1	244	1	4	2	5	4.91	.009	2	213	14.99	31	.01	15	.03	.01	.01	1	1	-
BR-01-1-36106	2	5	5	15	.4	1007	44	455	3.13	450	5	ND	1	210	1	87	2	7	2.48	.006	2	257	11.97	13	.01	5	.02	.01	.01	1	5	-
BR-01-1-36107	1	4	2	7	1.5	648	25	327	2.57	142	5	ND	1	453	1	35	2	8	6.92	.004	2	194	10.56	10	.01	4	.04	.01	.02	1	4	-
BR-01-1-36108	1	16	5	10	.2	610	26	399	2.50	100	5	ND	1	504	1	23	2	10	8.22	.004	2	172	11.26	18	.01	7	.04	.01	.01	1	1	-
STD C/AU-R	18	56	35	129	6.8	66	28	973	3.93	40	17	8	32	47	16	17	18	59	.42	.093	34	57	.80	174	.08	35	1.72	.07	.14	12	500	-

ICTOU
OCHEM.

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 PPB	AU** GM/T
BR-01-1-36109	2	1	4	18	.1	1251	46	601	3.52	6	5	ND	1	25	1	2	2	18	.56	.004	2	793	17.95	29	.01	6	.29	.01	.01	1	5	-
BR-01-1-36110	3	2	6	16	2.3	1360	51	658	3.80	101	5	ND	1	100	1	10	3	8	1.20	.004	2	199	18.47	29	.01	2	.04	.01	.02	1	4	-
BR-01-1-36111	2	10	2	12	.1	757	30	507	3.06	46	5	ND	1	319	1	9	2	5	5.45	.002	2	143	13.69	9	.01	2	.04	.01	.02	1	1	-
BR-01-1-36112	2	13	5	14	6.7	974	37	786	3.40	197	5	7	1	42	1	13	4	14	.79	.001	2	447	15.41	13	.01	3	.17	.01	.02	1	3750	3.54
BR-01-1-36113	2	34	28	12	19.9	780	30	466	2.69	512	5	ND	1	39	1	40	2	9	.79	.001	2	194	11.79	13	.01	6	.05	.01	.01	1	2390	2.29
BR-01-1-36114	2	36	5	10	.5	824	29	493	2.88	49	5	ND	1	151	1	2	2	8	7.08	.001	2	189	13.50	14	.01	2	.04	.01	.01	1	205	-
BR-01-1-36115	2	6	6	7	.5	568	22	418	2.64	66	5	ND	1	187	1	2	2	9	10.57	.001	2	195	11.47	14	.01	2	.05	.01	.01	1	67	-
BR-01-1-36116	2	2	5	12	.1	917	35	487	3.35	85	5	ND	1	134	1	8	2	15	2.02	.001	2	249	13.28	8	.01	2	.05	.01	.02	1	4	-
BR-01-1-36117	2	2	9	13	.2	995	37	588	3.74	53	5	ND	1	90	1	11	2	15	2.40	.002	2	261	14.83	16	.01	3	.06	.01	.02	1	7	-
BR-01-1-36118	1	4	7	12	.3	908	29	625	2.68	228	5	ND	1	193	1	12	2	9	3.30	.002	2	185	9.53	23	.01	2	.05	.01	.02	1	5	-
BR-01-1-36119	1	4	5	9	11.2	293	13	654	1.86	146	5	ND	1	411	1	11	2	8	9.24	.003	2	66	6.71	10	.01	2	.03	.01	.01	1	1	-
BR-01-1-36120	2	4	2	16	.1	1304	46	511	3.39	9	5	ND	1	253	1	2	2	8	4.53	.005	2	277	12.56	12	.01	5	.02	.01	.01	1	1	-
BR-01-1-36121	2	4	3	16	.1	1132	38	570	2.95	26	5	ND	1	258	1	4	2	10	4.79	.007	2	284	11.87	33	.01	2	.04	.01	.02	1	1	-
BR-01-1-36122	2	10	7	12	.4	872	35	516	2.91	71	5	ND	1	106	1	3	2	6	2.34	.002	2	169	12.05	9	.01	6	.05	.01	.02	1	2	-
BR-01-1-36123	2	37	4	14	.1	1246	46	453	3.10	115	5	ND	1	20	1	3	2	10	.46	.003	2	536	12.69	11	.01	3	.25	.01	.02	1	1	-
BR-01-1-36124	1	1	2	7	.1	438	18	372	2.16	79	5	ND	1	619	1	24	2	7	9.94	.003	2	154	8.73	1143	.01	2	.02	.01	.01	1	1	-
BR-01-1-36125	1	6	3	12	.2	778	31	422	2.64	95	5	ND	1	225	1	36	2	11	3.21	.005	2	270	9.50	19	.01	5	.04	.01	.02	1	1	-
BR-01-1-36126	1	7	10	6	.1	284	14	326	2.30	100	5	ND	1	1002	1	25	2	10	12.15	.001	2	246	10.23	15	.01	2	.03	.01	.01	1	1	-
BR-01-1-36127	3	81	2	21	.2	1523	68	474	2.98	7	5	ND	1	70	1	5	6	1	.96	.003	2	143	19.99	16	.01	32	.02	.01	.01	1	1	-
BR-01-1-36128	1	7	3	11	.1	678	26	386	2.05	30	5	ND	1	83	1	7	2	4	1.08	.006	2	149	5.75	26	.01	4	.01	.01	.01	1	2	-
BR-01-1-36129	2	10	8	15	.1	1288	54	696	4.09	20	5	ND	1	89	1	5	2	8	1.96	.005	2	218	15.20	26	.01	3	.04	.01	.01	1	1	-
BR-01-1-36130	3	18	2	17	.1	1255	55	623	3.45	13	5	ND	1	49	1	4	5	3	.69	.005	2	219	19.64	11	.01	10	.06	.01	.02	1	2	-
BR-01-1-36131	2	18	2	15	.1	1373	51	681	3.62	16	5	ND	1	50	1	2	3	10	1.33	.003	2	314	16.22	15	.01	3	.11	.01	.03	1	1	-
BR-01-1-36132	1	18	2	18	.1	863	32	627	4.08	71	5	ND	1	355	1	11	2	37	8.44	.010	2	285	10.80	26	.01	3	.13	.01	.04	1	1	-
BR-01-1-36133	2	5	6	17	.1	1252	44	600	3.83	14	5	ND	1	246	1	2	2	19	6.58	.002	2	417	12.29	19	.01	2	.11	.01	.03	1	1	-
BR-01-1-36134	3	32	2	19	.1	1028	59	718	3.46	20	5	ND	1	11	1	2	2	9	.34	.010	2	379	11.71	50	.01	7	.21	.01	.01	1	1	-
BR-01-1-36135	3	95	8	20	.1	1296	60	406	3.18	19	5	ND	1	26	1	3	2	1	.47	.008	2	247	15.41	102	.01	8	.02	.01	.01	1	2	-
BR-01-1-36136	1	10	2	23	.2	187	9	223	1.36	128	5	ND	1	62	1	2	3	5	1.82	.009	2	101	1.83	127	.01	2	.29	.01	.13	1	17	-
BR-01-1-36137	3	48	2	18	.1	1291	69	731	3.63	12	5	ND	1	30	1	6	6	2	.39	.005	2	108	18.62	12	.01	10	.03	.01	.01	1	1	-
BR-01-1-36138	1	40	7	34	.1	787	37	523	3.16	23	5	ND	2	121	1	5	2	26	3.02	.011	15	245	9.46	34	.01	7	.22	.01	.02	1	1	-
BR-01-1-36139	2	6	2	13	.1	903	40	564	2.77	13	5	ND	1	86	1	2	2	8	1.96	.006	2	323	12.52	107	.01	5	.10	.01	.01	1	1	-
BR-01-1-36140	3	5	3	20	.1	1424	59	728	3.24	18	5	ND	1	174	1	2	2	9	3.27	.003	2	271	15.61	20	.01	5	.06	.01	.01	1	1	-
BR-01-1-36141	3	3	2	16	.1	1071	46	476	3.21	3	5	ND	1	83	1	2	2	9	1.93	.008	2	368	15.75	34	.01	9	.06	.01	.02	1	1	-
BR-01-1-36142	2	9	2	23	.1	1351	55	617	3.44	13	5	ND	1	102	1	2	2	13	2.31	.013	2	454	13.92	23	.01	11	.12	.01	.03	1	1	-
BR-01-1-36143	2	3	7	17	.1	951	49	590	3.82	4	5	ND	1	44	1	2	2	15	1.23	.006	2	635	12.90	27	.01	16	.23	.01	.01	1	2	-
BR-01-1-36144	3	7	2	23	.1	1334	53	531	3.00	3	5	ND	1	23	1	2	3	6	.41	.006	2	282	18.22	16	.01	12	.06	.01	.01	1	1	-
STD C/AU-R	18	60	35	130	7.2	71	28	981	3.92	39	16	8	32	47	16	17	20	60	.45	.093	34	58	.76	174	.08	35	1.74	.07	.13	13	505	-

PICTOU SEDCHEM.

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
BR-01-1-36145	3	8	2	20	.1	1083	42	564	3.12	3	5	ND	1	70	1	6	2	20	1.24	.005	2	729	16.31	17	.01	5	.25	.01	.02	1	1
BR-01-1-36146	3	4	9	23	.1	1251	51	503	3.27	28	5	ND	1	73	1	7	2	14	1.57	.007	2	485	15.46	50	.01	6	.14	.01	.02	1	2
BR-01-1-36147	3	16	7	20	.5	1134	46	625	3.44	337	5	ND	1	19	1	55	2	12	.24	.005	2	379	15.66	40	.01	8	.09	.01	.04	1	1
BR-01-1-36148	2	7	8	23	.1	1274	52	542	3.48	246	5	ND	1	91	1	20	2	10	1.68	.005	2	269	12.69	17	.01	6	.05	.01	.03	1	1
BR-01-1-36149	3	8	3	15	.1	1073	51	655	3.18	17	5	ND	1	70	1	6	2	11	.67	.005	2	417	16.36	249	.01	7	.11	.01	.02	1	1
BR-01-1-36150	1	8	8	27	.9	17	4	327	1.24	14	5	ND	4	49	1	2	2	3	1.20	.059	16	8	.41	122	.01	2	.27	.02	.18	1	37
BR-01-1-36151	3	19	2	13	.4	768	38	475	2.60	162	5	ND	1	80	1	47	2	7	1.45	.002	2	137	13.08	14	.01	3	.04	.01	.03	1	1
STD C/AU-R	19	59	38	134	6.9	68	27	985	3.71	39	15	8	33	47	17	16	22	60	.42	.099	36	55	.81	168	.08	38	1.63	.06	.13	13	480
BR-01-1-36152	1	15	4	19	.3	226	9	243	1.23	29	5	ND	1	145	1	2	2	2	3.20	.018	3	29	2.59	67	.01	2	.28	.01	.12	1	1
BR-01-1-36153	3	16	5	22	.1	1269	54	755	3.73	11	5	ND	1	20	1	7	2	22	.57	.005	2	812	15.35	92	.01	6	.32	.01	.01	1	1
BR-01-1-36154	2	35	8	17	.1	1290	53	855	3.46	12	5	ND	1	190	1	3	2	17	5.17	.002	2	508	13.92	31	.01	2	.13	.01	.03	1	1
BR-01-1-36155	3	5	2	18	.1	1384	52	711	3.55	9	5	ND	1	220	1	7	2	15	3.38	.005	2	440	14.70	314	.01	2	.09	.01	.03	1	1
BR-01-1-36156	1	155	10	43	.1	529	33	484	3.08	102	5	ND	2	204	1	2	2	58	6.19	.115	17	133	3.82	89	.01	2	.48	.01	.03	1	1
BR-01-1-36157	2	13	4	13	.1	905	38	358	2.22	340	5	ND	1	13	1	87	2	7	.23	.004	2	163	7.62	19	.01	5	.04	.01	.02	1	3
BR-01-1-36158	1	12	4	6	.2	478	22	221	1.25	91	5	ND	1	36	1	19	2	5	.80	.005	2	64	3.43	10	.01	2	.06	.01	.01	1	1
BR-01-1-36159	3	6	2	9	.1	1141	49	542	2.92	81	5	ND	1	24	1	24	2	5	.45	.001	2	204	15.44	5	.01	5	.01	.01	.02	1	1
BR-01-1-36160	2	8	3	8	.3	715	33	325	2.24	245	5	ND	1	129	1	34	2	5	3.51	.002	2	108	8.96	7	.01	2	.01	.01	.02	1	1
BR-01-1-36161	4	8	3	11	.2	1222	53	607	3.08	149	5	ND	1	13	1	8	2	5	.33	.001	2	338	18.59	6	.01	2	.05	.01	.02	1	1
BR-01-1-36162	1	12	8	24	.5	22	3	315	1.20	11	5	ND	5	71	1	2	4	3	1.90	.057	18	5	.72	135	.01	4	.34	.01	.18	1	79
BR-01-1-36163	1	4	6	5	.3	39	2	328	1.74	35	6	ND	1	761	1	2	2	7	14.99	.002	2	77	6.64	20	.01	3	.14	.01	.06	1	1

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

MASTER
MTS- Connolly
11.BC.104N.12
PAN.

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: SOILS -80 MESH   AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 19 1987   DATE REPORT MAILED: July 30/87   ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

HOMESTAKE MINERAL PROJECT-FC-5710   File # 87-2546   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
4E 1+00N A	2	21	6	70	.4	248	26	1522	2.48	9	5	ND	1	35	1	2	2	33	.67	.084	5	234	1.77	291	.04	7	.74	.01	.06	1	1
4E 0+80N A	1	29	8	80	.5	32	5	277	1.37	4	5	ND	1	65	1	2	3	24	1.66	.112	7	19	.48	221	.01	4	.96	.01	.13	1	1
4E 0+60N A	1	25	2	164	.1	406	22	1807	1.50	2	5	ND	1	55	1	2	3	14	1.28	.076	3	54	2.68	351	.02	17	.46	.01	.06	1	1
4E 0+40N A	1	27	4	52	.1	304	20	481	2.88	18	5	ND	3	31	1	2	2	55	.58	.035	10	105	1.21	204	.08	4	1.19	.01	.08	1	7
4E 0+20N A	2	21	9	59	1.1	397	24	755	3.51	54	5	ND	2	40	1	2	3	54	.64	.044	6	227	1.20	285	.05	3	1.20	.01	.08	1	210
4E 0+00N A	1	26	8	39	.3	160	14	965	2.19	17	5	ND	2	57	1	2	2	35	.82	.045	7	81	.65	439	.03	2	.86	.01	.07	1	19
4E 0+20S A	2	22	4	55	.5	108	11	933	1.45	2	5	ND	1	87	1	2	3	25	1.95	.088	4	61	.71	298	.04	8	.64	.01	.09	1	1
4E 0+40S A	2	22	8	60	.3	227	19	663	3.00	6	5	ND	2	33	1	2	2	53	.67	.050	7	123	.92	263	.08	3	1.24	.01	.10	1	3
4E 0+60S A	2	26	3	163	.1	61	6	1607	.54	4	5	ND	1	122	2	2	3	8	4.09	.112	2	20	.46	460	.01	36	.19	.01	.13	1	1
4E 0+80S A	1	20	9	105	.1	137	15	1063	2.38	4	5	ND	2	35	1	2	3	47	.73	.082	8	90	.81	246	.08	5	1.07	.01	.09	1	1
4E 1+00S A	1	25	5	63	.1	109	9	1130	.91	3	5	ND	1	91	1	2	2	15	1.68	.092	4	36	.58	366	.02	5	.36	.01	.05	1	2
4E 1+00N B	2	20	7	57	.1	199	21	813	3.55	9	5	ND	2	26	1	2	2	63	.66	.073	11	121	1.39	182	.10	5	1.31	.01	.05	1	7
4E 0+80N B	2	16	5	65	.1	134	16	1124	2.56	4	5	ND	2	28	1	2	2	45	.58	.056	7	89	.78	223	.08	3	1.10	.01	.07	1	1
4E 0+60N B	1	22	4	166	.1	549	34	1804	3.68	7	5	ND	2	28	1	2	2	46	.53	.090	7	118	1.83	321	.07	6	1.36	.02	.07	1	1
4E 0+40N B	1	28	3	49	.1	368	24	487	3.37	18	5	ND	4	24	1	2	3	62	.42	.023	11	123	1.25	192	.09	3	1.35	.02	.05	1	4
4E 0+20N B	1	16	9	45	.3	246	20	511	3.14	36	5	ND	3	25	1	2	2	61	.37	.023	7	163	.95	271	.07	2	1.33	.01	.05	1	46
4E 0+00N B	2	22	9	54	.4	177	20	1456	3.10	24	5	ND	2	34	1	2	2	55	.46	.040	8	142	.76	402	.05	2	1.24	.01	.06	1	1
4E 0+20S B	1	16	2	55	.1	143	14	574	2.61	8	5	ND	2	23	1	2	2	49	.41	.042	7	129	.80	204	.10	2	1.19	.01	.06	1	1
4E 0+40S B	2	24	9	85	.2	177	19	542	3.92	12	5	ND	3	22	1	2	2	71	.37	.049	9	130	1.10	201	.08	6	1.52	.01	.08	1	2
4E 0+60S B	1	16	3	79	.1	113	15	839	2.78	8	5	ND	2	22	1	2	2	52	.47	.085	7	109	.77	186	.10	4	1.11	.01	.08	1	1
4E 0+80S B	1	15	11	100	.1	136	15	593	2.64	4	7	ND	3	26	1	3	2	52	.49	.066	9	104	.93	175	.10	4	1.18	.01	.07	1	4
4E 1+00S B	1	20	8	73	.1	182	17	782	2.75	21	5	ND	3	21	1	2	2	52	.32	.038	7	114	.75	220	.08	2	1.16	.02	.05	1	1
4+25E 1+00N A	3	17	3	21	.7	50	3	446	.23	2	5	ND	1	130	1	2	2	3	3.40	.110	2	10	.44	315	.01	10	.10	.01	.15	2	1
4+25E 0+80N A	1	13	4	51	.5	51	4	438	.36	2	5	ND	1	131	1	2	2	5	3.53	.100	2	17	.67	341	.01	20	.10	.01	.07	1	2
4+25E 0+60N A	1	24	7	36	1.8	190	11	904	1.20	9	5	ND	1	76	1	2	2	15	1.91	.089	3	45	1.28	256	.02	11	.38	.01	.08	1	2
4+25E 0+40N A	1	16	5	86	.1	146	8	837	.69	6	5	ND	1	94	1	2	2	8	2.15	.094	2	30	1.35	362	.01	14	.20	.01	.06	1	5
4+25E 0+20N A	1	19	11	84	2.2	306	14	579	.96	19	5	ND	1	89	1	2	2	8	1.97	.094	2	69	2.52	358	.01	12	.18	.01	.05	1	56
4+25E 0+20S A	1	38	19	73	1.9	1123	31	548	4.20	96	5	ND	3	31	1	6	3	61	.55	.050	9	211	1.71	131	.07	5	1.47	.02	.10	2	10
4+25E 0+40S A	1	23	2	67	.1	1397	71	1133	6.74	49	5	ND	1	46	1	5	3	48	1.13	.096	4	652	1.10	213	.02	9	.75	.01	.11	1	1
4+25E 0+60S A	1	15	6	40	.1	152	15	436	2.79	25	5	ND	3	21	1	6	2	58	.39	.031	9	100	.68	147	.10	3	1.11	.01	.07	2	620
4+25E 0+80S A	3	14	4	46	.2	46	5	400	.55	5	5	ND	1	80	1	3	2	10	2.67	.099	2	20	.53	141	.01	10	.21	.01	.10	1	3
4+25E 1+00N B	1	16	10	55	.2	117	14	573	2.52	5	5	ND	2	26	1	2	2	50	.50	.035	7	92	.79	263	.09	3	1.26	.01	.06	1	1
4+25E 0+80N B	2	18	17	93	.4	314	33	1128	5.48	42	5	ND	2	28	1	3	2	66	.47	.094	6	273	.88	243	.04	5	1.17	.01	.05	1	1
4+25E 0+60N B	1	16	8	44	.2	190	17	631	2.76	12	5	ND	2	23	1	2	2	52	.45	.041	7	110	.83	196	.07	4	1.14	.01	.04	1	1
4+25E 0+40N B	1	15	12	40	.6	247	17	348	2.81	17	5	ND	2	25	1	2	2	50	.43	.025	7	103	.95	162	.08	4	1.12	.01	.04	1	8
STD C/AU-S	20	63	37	132	7.2	73	28	935	3.86	41	18	7	38	50	19	14	22	65	.48	.090	38	59	.88	180	.08	33	1.69	.06	.14	12	50

HOMESTAKE MINERAL PROJECT - PC-5710 FILE # 87-2546

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
4+25E 0+20N B	1	7	2	44	.6	1015	52	967	4.91	64	5	ND	1	20	1	2	2	48	.47	.039	2	969	5.14	177	.01	8	.86	.01	.02	1	49
4+25E 0+00N B	1	35	3	40	3.8	1207	49	829	4.67	222	5	ND	2	107	1	17	7	32	2.76	.020	2	335	10.80	42	.01	2	.34	.01	.03	2	910
4+25E 0+20S B	1	34	10	67	1.1	1069	31	569	4.15	87	5	ND	3	33	1	5	3	64	.58	.036	9	221	2.08	126	.07	4	1.51	.01	.10	1	23
4+25E 0+50S B	1	26	8	87	.2	2534	114	1386	11.86	74	5	ND	3	38	1	2	4	77	.82	.060	4	1192	2.31	170	.01	3	.93	.01	.06	1	3
4+25E 0+60S B	1	29	7	47	.1	215	16	492	2.75	32	5	ND	3	36	1	2	2	61	.67	.036	10	98	.90	195	.10	4	1.17	.01	.07	1	27
4+25E 0+80S B	1	16	6	36	.1	109	15	377	2.59	8	5	ND	3	20	1	2	2	64	.40	.018	7	103	.77	96	.11	3	1.20	.01	.08	1	3
4+25E 1+00S B	1	8	2	24	.1	55	3	160	.24	7	5	ND	1	81	1	2	2	3	2.34	.090	2	13	.85	48	.01	30	.06	.01	.11	1	129
4+50E 1+00N A	1	21	2	50	.1	94	7	588	.64	4	5	ND	1	107	1	2	2	9	2.01	.109	2	29	.47	277	.01	31	.19	.01	.11	1	5
4+50E 0+80N A	2	25	2	43	.4	160	16	1359	1.03	4	5	ND	2	93	1	2	2	13	2.05	.090	3	51	.76	289	.02	9	.31	.01	.06	2	1
4+50E 0+60N A	1	21	3	104	.5	136	10	1050	.94	5	5	ND	2	113	1	2	2	15	2.44	.104	3	40	.96	399	.02	19	.42	.01	.11	1	1
4+50E 0+40N A	1	33	10	61	5.1	492	29	1392	2.36	12	7	ND	2	84	1	2	2	31	1.64	.086	4	300	2.87	432	.02	11	.80	.01	.09	2	150
4+50E 0+20N A	1	22	7	84	.9	325	21	568	2.71	20	5	ND	2	54	1	2	2	52	1.28	.094	4	128	1.53	157	.05	12	.84	.01	.12	1	4
4+50E 0+00N A	1	38	8	71	1.9	810	35	526	3.46	88	5	ND	3	43	1	7	2	70	.97	.072	9	132	1.69	131	.07	8	1.30	.01	.12	1	34
4+50E 0+20S A	1	38	7	68	.5	454	23	608	3.20	32	5	ND	3	36	1	2	2	65	.75	.049	11	127	1.16	190	.09	4	1.32	.01	.11	1	6
4+50E 0+40S A	1	28	14	75	.1	271	21	556	2.53	13	5	ND	5	33	1	2	2	55	1.02	.065	12	170	1.92	113	.08	6	1.28	.01	.07	3	3
4+50E 0+60S A	2	13	4	116	.1	69	4	284	.46	4	5	ND	1	69	1	2	2	8	2.63	.083	2	31	.55	115	.01	12	.16	.01	.07	1	1
4+50E 0+80S A	2	16	3	86	.1	91	11	712	1.52	3	5	ND	1	53	1	2	2	31	.85	.055	4	75	.62	247	.04	3	.68	.01	.06	1	1
4+50E 1+00S A	2	20	7	155	.1	155	17	1168	2.28	9	5	ND	3	42	2	2	2	42	.68	.078	6	114	1.06	333	.07	4	1.08	.01	.08	1	2
4+50E 1+00N B	1	30	10	62	.3	392	34	1229	4.63	31	5	ND	2	39	1	2	2	74	.44	.077	10	202	.84	269	.05	2	1.28	.01	.05	2	6
4+50E 0+80N B	1	22	11	83	.4	291	37	1491	3.77	16	5	ND	2	29	1	2	3	54	.52	.071	6	189	.84	206	.06	3	1.13	.01	.06	1	2
4+50E 0+60N B	1	18	11	73	.6	366	29	908	4.30	13	5	ND	3	27	1	2	2	66	.43	.076	7	233	1.04	230	.07	4	1.60	.02	.08	1	2
4+50E 0+40N B	1	17	5	61	.4	402	27	731	3.72	17	5	ND	3	32	1	2	2	66	.56	.035	7	183	1.08	267	.08	3	1.58	.01	.05	1	7
4+50E 0+20N B	1	34	2	84	.1	469	35	852	5.20	31	5	ND	2	26	1	3	2	114	.44	.059	6	147	1.07	210	.09	2	1.52	.01	.17	1	7
4+50E 0+00N B	1	38	6	67	1.1	903	38	505	3.73	95	5	ND	3	42	1	4	2	72	.89	.056	10	148	1.71	123	.07	6	1.28	.01	.09	1	27
4+50E 0+20S B	1	26	10	64	.2	323	20	559	2.85	20	5	ND	3	30	1	2	2	59	.59	.038	9	115	1.16	197	.08	5	1.29	.01	.09	1	9
4+50E 0+40S B	1	32	4	76	.4	391	23	442	3.15	16	6	ND	4	27	1	2	2	58	.54	.062	13	200	2.12	145	.10	17	1.44	.02	.05	1	98
4+50E 0+60S B	1	32	6	57	.2	342	22	407	3.87	11	5	ND	8	19	1	2	2	64	.61	.052	17	394	2.08	76	.12	6	1.03	.01	.05	3	24
4+50E 0+80S B	1	32	5	57	.2	230	21	391	3.35	16	5	ND	4	19	1	2	2	70	.36	.047	10	200	1.65	84	.12	25	1.50	.02	.06	1	6
4+50E 1+00S B	1	26	5	103	.1	211	21	614	3.12	11	5	ND	4	25	1	2	2	62	.44	.058	10	169	1.52	187	.11	25	1.45	.02	.07	1	3
STD C/AU-S	19	62	40	132	7.5	73	29	956	3.89	43	41	7	37	51	19	11	20	73	.48	.090	39	60	.88	181	.09	33	1.87	.06	.13	13	49

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

GEOCHEMICAL ICP ANALYSIS

MASTER
✓ NTS · Connolly Property
11. BC. 104N. 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: AUG 25 1987 DATE REPORT MAILED: Aug 31/87 ASSAYER. D. Toye ...DEAN TOYE, CERTIFIED B.C. ASSAYER

HOMESTAKE PROJECT FC-5710 File # 87-3599 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
0+50W 5+00N	4	47	10	73	.1	716	55	1288	7.36	58	5	ND	6	29	1	2	2	85	.46	.086	14	235	2.92	184	.09	6	1.78	.02	.06	1	3
0+50W 4+80N	1	28	4	35	.1	333	24	555	4.41	20	5	ND	3	23	1	2	2	59	.42	.037	9	167	1.84	101	.09	5	1.23	.02	.05	1	64
0+50W 4+60N	2	36	12	69	.1	439	40	1166	5.10	31	5	ND	2	34	1	2	2	61	.62	.103	9	202	2.14	209	.05	3	1.35	.02	.08	1	2
0+50W 4+40N	1	33	6	52	.2	341	32	1296	4.16	37	5	ND	1	39	1	2	2	50	.85	.079	6	176	1.31	270	.03	3	1.08	.01	.05	1	8
0+50W 4+20N	3	34	13	99	.1	403	35	1428	4.80	37	5	ND	1	28	1	2	2	45	.49	.101	6	205	1.89	290	.02	2	.95	.01	.06	1	5
0+50W 4+00N	1	34	11	242	.1	201	24	1793	2.83	8	5	ND	2	44	2	2	2	35	.83	.134	7	98	.62	304	.05	6	.94	.02	.08	1	1
0+50W 3+80N	1	36	10	84	.1	189	17	773	2.66	10	5	ND	2	27	2	2	2	37	.55	.111	9	92	.53	255	.04	3	1.23	.02	.06	1	1
0+50W 3+60N	1	36	15	100	.3	244	22	920	3.72	13	5	ND	2	28	1	2	2	54	.40	.078	9	98	.92	288	.05	3	1.66	.02	.07	1	1
0+50W 3+40N	1	29	12	145	.4	232	30	1591	3.82	19	5	ND	2	27	1	2	2	45	.41	.085	9	171	.77	317	.06	6	1.13	.02	.08	1	7
0+50W 3+20N	1	21	7	80	.2	218	25	817	2.69	5	5	ND	3	29	1	2	2	28	.54	.065	5	181	1.40	227	.05	7	.78	.02	.06	1	1
0+50W 3+00N	1	12	8	84	.1	85	7	178	1.91	5	5	ND	2	19	1	2	2	32	.39	.040	8	80	.94	134	.10	4	1.13	.01	.07	1	1
0+50W 2+80N	1	13	3	55	.1	81	10	357	1.92	4	5	ND	3	19	1	2	2	33	.34	.046	7	69	.70	156	.08	2	.96	.02	.05	2	1
0+50W 2+60N	1	16	7	60	.1	316	23	412	3.39	12	5	ND	3	19	1	2	2	53	.30	.028	8	183	1.26	167	.09	5	1.36	.01	.08	1	1
0+50W 2+40N	1	15	10	112	.1	375	29	655	3.82	22	5	ND	3	29	1	2	2	43	.36	.053	6	215	1.61	233	.05	6	1.33	.02	.04	1	1
0+50W 2+20N	1	11	7	107	.2	117	16	703	2.66	5	5	ND	2	19	1	2	3	39	.34	.051	8	91	.65	203	.07	2	1.02	.02	.04	1	1
0+50W 2+00N	1	13	3	69	.2	95	16	1023	2.52	6	5	ND	2	23	1	2	2	40	.44	.046	6	98	.81	206	.07	9	1.07	.02	.08	1	1
0+50W 1+80N	1	8	6	50	.3	175	14	242	2.35	10	5	ND	2	15	1	2	2	43	.25	.015	7	113	.89	96	.08	2	1.17	.01	.02	1	2
0+50W 1+60N	1	10	6	59	.2	127	14	471	2.36	6	5	ND	2	24	1	2	2	37	.44	.057	6	85	.87	151	.06	5	.86	.01	.06	1	3
0+50W 1+40N	1	14	8	74	.1	149	19	903	2.92	6	5	ND	2	22	1	2	2	40	.41	.045	6	97	.81	170	.06	2	.96	.01	.05	1	410
0+50W 1+20N	1	9	9	57	.1	97	12	365	2.26	5	5	ND	2	19	1	2	2	35	.38	.028	6	74	.72	124	.07	7	.92	.02	.04	1	2
0+50W 1+00N	1	8	9	52	.1	50	7	369	1.48	4	5	ND	2	18	1	2	3	29	.35	.022	6	51	.52	140	.08	4	.81	.02	.03	1	4
0+50W 0+80N	1	8	7	72	.1	64	8	340	1.82	5	5	ND	3	18	1	2	2	35	.34	.023	7	59	.73	161	.09	4	1.05	.01	.08	1	2
0+50W 0+60N	1	13	9	67	.1	277	16	392	2.62	7	5	ND	2	17	1	2	2	40	.31	.027	7	81	1.68	115	.09	3	.96	.02	.06	1	8
0+50W 0+40N	1	8	5	42	.1	50	8	267	1.93	5	5	ND	2	20	1	2	3	40	.42	.026	6	59	.59	109	.09	6	1.01	.02	.04	1	1
0+50W 0+20N	1	13	3	67	.1	75	10	372	2.65	9	5	ND	2	24	1	2	2	50	.50	.039	7	75	.69	178	.08	7	1.28	.02	.03	1	6
0+50W 0+00BL	1	18	11	118	.3	54	14	1381	2.06	4	5	ND	1	28	1	2	2	32	.63	.064	6	40	.45	268	.04	3	.81	.01	.05	1	34
0+00 5+00N	1	55	13	212	.1	137	44	1838	4.96	25	5	ND	2	27	1	2	2	58	.62	.133	9	95	.85	205	.05	2	1.49	.01	.06	1	5
0+00 4+80N	1	38	8	120	.1	110	22	1823	2.34	6	5	ND	1	35	1	2	2	33	.73	.071	5	57	.54	264	.06	7	.87	.02	.06	1	3
0+00 4+60N	1	40	8	197	.1	121	33	2173	2.68	4	5	ND	1	42	1	2	2	33	.93	.111	7	79	.56	277	.06	6	.88	.01	.13	1	1
0+00 4+40N	1	22	12	177	.1	84	31	2124	2.73	5	5	ND	1	18	1	2	2	34	.35	.114	5	72	.50	209	.05	6	.89	.02	.06	1	1
0+00 4+20N	1	13	7	59	.1	64	9	361	2.07	6	5	ND	2	18	1	2	2	38	.38	.048	7	69	.72	132	.08	2	1.02	.01	.06	1	3
0+00 4+00N	1	27	4	70	.1	151	16	689	2.92	7	5	ND	2	24	1	2	2	44	.41	.050	8	106	.98	213	.08	2	1.32	.02	.04	1	1
0+00 3+80N	1	18	4	80	.1	100	22	1130	2.81	6	5	ND	1	23	1	2	2	40	.41	.052	5	88	.65	172	.06	2	.97	.01	.05	1	1
0+00 3+60N	1	19	10	37	.1	101	16	766	2.34	7	5	ND	1	20	1	2	2	38	.27	.034	5	76	.64	209	.05	2	1.01	.02	.04	1	1
0+00 3+40N	2	38	12	160	.1	150	15	1529	2.89	14	5	ND	1	75	1	2	2	23	1.82	.079	8	59	.35	838	.02	3	.95	.01	.08	1	1
0+00 3+20N	2	35	16	99	.4	117	12	1771	3.58	49	5	ND	2	63	1	6	3	24	1.19	.136	18	38	.27	527	.01	2	1.02	.01	.10	1	4
STD C/AU-S	18	59	38	131	6.8	67	27	1019	4.05	42	24	7	37	49	16	16	20	57	.47	.088	36	59	.86	174	.08	37	1.78	.06	.12	13	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
0+00 3+00N	3	32	2	116	.2	791	96	1922	5.13	23	5	ND	2	47	1	4	2	39	.79	.122	6	300	2.16	447	.03	4	.87	.01	.04	1	1
0+00 2+80N	1	33	11	56	.4	243	19	825	2.80	17	5	ND	3	36	2	3	2	45	.50	.047	8	107	.94	322	.07	4	1.19	.01	.07	1	1
0+00 2+60N	2	22	9	139	.2	773	70	1678	6.32	14	5	ND	3	26	1	4	2	50	.37	.069	5	521	1.85	368	.04	8	1.15	.01	.04	1	2
0+00 2+40N	1	11	3	68	.3	243	22	613	2.94	7	5	ND	2	27	1	2	2	38	.39	.045	6	161	.68	161	.06	6	.87	.02	.05	1	1
0+00 2+20N	1	10	6	32	.3	75	7	209	1.81	8	5	ND	4	19	1	2	2	37	.39	.035	7	71	.89	111	.08	4	.91	.01	.04	2	1
0+00 2+00N	1	16	8	42	.3	60	11	396	1.99	7	5	ND	2	25	1	2	2	40	.44	.031	7	72	.77	182	.07	2	1.25	.01	.05	1	2
0+00 1+80N	1	8	4	27	.1	115	9	276	1.76	4	5	ND	2	14	1	2	2	35	.26	.022	7	74	.71	100	.08	2	.94	.02	.03	1	1
0+00 1+60N	1	24	7	112	.6	163	26	703	4.05	7	5	ND	7	58	2	2	2	63	.62	.118	24	130	1.14	521	.20	5	1.34	.01	.39	1	2
0+00 1+40N	1	15	9	72	.1	614	46	708	4.93	13	5	ND	3	15	1	5	2	54	.21	.041	6	417	3.06	182	.05	6	1.25	.01	.03	1	3
0+00 1+20N	1	35	14	170	.2	484	33	1074	5.12	87	5	ND	3	40	1	5	2	46	.38	.045	8	319	.55	390	.01	2	1.48	.01	.03	1	1
0+00 1+00N	1	22	6	97	.3	167	24	850	3.52	8	5	ND	3	30	1	2	2	40	.43	.080	7	112	.94	272	.05	6	.98	.01	.08	1	1
0+00 0+80N	1	17	2	47	.1	111	13	319	2.81	7	5	ND	2	19	1	2	2	50	.37	.025	8	104	.88	151	.10	3	1.30	.01	.05	1	2
0+00 0+60N	1	22	3	56	.1	82	9	298	2.57	10	5	ND	3	23	1	2	2	45	.43	.034	9	84	.97	160	.10	2	1.41	.02	.11	1	1
0+00 0+40N	1	9	7	56	.1	52	8	271	2.10	7	5	ND	3	19	1	2	2	45	.36	.029	7	50	.54	132	.08	3	1.14	.01	.04	1	3
0+00 0+20N	1	13	7	83	.1	103	13	566	2.74	7	5	ND	3	21	1	2	2	47	.40	.034	7	88	.77	171	.09	2	1.25	.01	.04	1	27
0+00 0+00BL	1	7	6	52	.1	67	9	301	1.64	3	5	ND	2	19	1	2	2	30	.38	.047	6	50	.53	111	.07	6	.80	.02	.02	1	1
0+50E 5+00N	1	15	6	42	.2	94	14	471	2.66	7	5	ND	2	18	1	2	3	49	.39	.034	7	89	.73	122	.10	2	1.16	.01	.07	1	2
0+50E 4+80N	1	25	6	101	.3	73	27	2054	2.46	4	5	ND	2	27	1	2	2	33	.55	.090	7	68	.44	210	.07	3	.82	.01	.11	1	1
0+50E 4+60N	1	18	6	70	.1	67	20	1195	2.24	4	5	ND	2	18	1	2	2	35	.39	.048	7	69	.47	137	.07	4	.81	.01	.06	1	2
0+50E 4+40N	1	19	7	55	.1	107	15	493	2.93	7	5	ND	3	17	1	2	2	47	.34	.044	8	105	.85	117	.11	4	1.16	.01	.11	1	1
0+50E 4+20N	1	14	3	96	.4	71	19	1281	2.53	5	5	ND	2	17	2	2	2	37	.38	.057	7	78	.46	147	.08	4	.76	.01	.09	1	2
STD C/AU-S	19	60	41	126	7.3	68	28	1023	4.02	39	21	8	39	49	18	16	23	58	.46	.090	38	60	.84	168	.08	35	1.72	.06	.12	13	53
0+50E 4+00N	1	10	2	48	.1	98	13	379	2.46	5	5	ND	3	19	1	2	2	45	.38	.035	7	103	.77	117	.09	3	.99	.01	.06	1	3
0+50E 3+80N	1	17	2	48	.3	93	17	892	2.06	5	5	ND	2	21	1	2	3	36	.34	.035	6	68	.60	171	.05	4	.94	.01	.05	1	1
0+50E 3+60N	1	24	6	84	.1	150	26	880	3.28	12	5	ND	2	27	1	2	2	53	.39	.043	7	101	.89	216	.08	9	1.07	.01	.07	1	2
0+50E 3+40N	1	45	2	150	.5	199	30	1647	2.51	4	5	ND	1	35	1	2	2	29	.59	.114	7	80	.81	276	.06	2	.75	.02	.13	1	1
0+50E 3+20N	1	14	6	37	.2	85	14	817	2.00	6	5	ND	2	25	1	2	2	33	.39	.035	6	79	.59	274	.06	2	.84	.01	.05	1	2
0+50E 3+00N	4	55	5	111	.2	1738	89	1801	8.31	133	5	ND	1	75	1	31	2	42	.91	.164	4	533	1.85	258	.01	9	.64	.01	.06	1	1
0+50E 2+80N	1	45	10	150	.3	266	30	2200	3.38	16	5	ND	1	42	2	2	2	38	.69	.075	7	144	.49	299	.04	2	.76	.01	.09	1	1
0+50E 2+60N	1	23	6	48	.1	141	16	891	2.52	7	5	ND	2	29	1	2	2	36	.44	.043	6	100	.79	221	.07	3	.85	.01	.11	1	1
0+50E 2+40N	1	17	5	142	.1	102	17	1016	2.33	6	5	ND	3	17	1	2	2	36	.25	.070	6	93	.63	278	.07	6	1.07	.02	.06	1	1
0+50E 2+20N	1	13	9	47	.3	89	12	494	2.28	8	5	ND	3	21	1	2	2	42	.34	.036	7	81	.70	196	.08	4	1.18	.02	.04	1	1
0+50E 2+00N	1	10	2	32	.1	61	10	397	2.04	6	5	ND	2	19	1	2	2	45	.33	.011	7	71	.69	140	.09	4	1.12	.02	.05	1	2
0+50E 1+80N	1	22	4	37	.2	92	9	262	2.09	8	5	ND	3	35	1	2	3	36	.58	.027	8	78	1.07	163	.07	3	1.09	.02	.05	1	2
0+50E 1+60N	1	38	5	63	.4	102	8	212	2.06	8	5	ND	1	48	1	2	2	36	.77	.034	8	74	1.09	243	.07	7	1.36	.02	.04	1	1
0+50E 1+40N	1	7	2	29	.1	53	6	152	1.61	6	5	ND	1	16	1	2	2	40	.30	.011	6	55	.57	90	.09	3	.82	.01	.03	1	1
0+50E 1+20N	1	25	3	138	.3	153	22	1001	3.23	5	5	ND	3	43	1	2	2	46	.48	.080	13	82	.97	381	.11	5	.98	.02	.14	1	2

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
0+50E 1+00N	1	17	11	73	.2	165	22	806	2.57	6	5	ND	3	21	1	2	2	30	.33	.058	6	148	.87	170	.06	5	.74	.01	.05	1	1
0+50E 0+80N	1	15	9	57	.1	125	16	560	2.76	11	5	ND	3	25	1	2	2	49	.44	.043	8	91	.81	211	.08	4	1.41	.02	.06	1	2
0+50E 0+60N	1	7	2	23	.1	45	6	166	1.65	6	5	ND	2	19	1	2	2	37	.41	.026	6	58	.72	97	.10	9	.87	.02	.04	1	1
0+50E 0+40N	1	13	6	45	.3	75	10	464	2.51	10	5	ND	3	27	2	2	2	51	.54	.017	8	80	.81	220	.10	6	1.46	.02	.06	1	1
0+50E 0+20N	1	7	4	52	.1	104	12	235	2.08	5	5	ND	3	17	1	2	2	37	.36	.022	7	79	.74	87	.09	8	.94	.02	.03	1	2
STD C/AU-S	19	62	38	130	7.6	70	29	1055	4.14	41	15	8	39	51	17	19	21	61	.49	.097	40	59	.87	171	.08	39	1.81	.07	.13	15	53
0+50E 0+00BL	1	18	4	67	.2	113	13	383	2.80	11	5	ND	3	22	1	3	2	52	.39	.046	9	91	.93	228	.10	6	1.53	.02	.05	1	1
1+00E 5+00N	1	34	11	94	.5	169	36	1834	2.78	6	5	ND	2	30	2	2	2	37	.66	.074	7	99	.86	190	.06	9	.86	.02	.09	1	1
1+00E 4+80N	1	21	4	52	.1	68	20	1146	2.20	6	5	ND	1	24	1	2	2	38	.45	.078	7	67	.56	195	.07	2	1.06	.02	.08	1	2
1+00E 4+60N	1	26	4	78	.2	196	32	1646	3.60	5	5	ND	2	26	1	3	2	45	.57	.106	6	159	.76	187	.04	6	.99	.02	.07	1	1
1+00E 4+40N	1	20	4	71	.1	117	17	586	2.66	6	5	ND	2	21	1	2	2	42	.40	.040	7	100	.76	140	.09	4	1.08	.02	.08	1	3
1+00E 4+20N	1	22	2	51	.2	120	16	540	3.06	12	5	ND	3	21	1	2	2	55	.41	.028	8	103	.96	138	.11	4	1.43	.02	.08	1	4
1+00E 4+00N	1	29	9	88	.2	152	26	1886	2.25	5	5	ND	1	34	1	2	2	28	.73	.062	6	89	.87	226	.05	2	.79	.02	.07	1	2
1+00E 3+80N	1	27	10	121	.3	160	32	1570	3.64	54	5	ND	3	27	1	8	4	47	.48	.074	7	112	.81	220	.07	6	1.13	.01	.14	1	1
1+00E 3+60N	1	29	6	156	.4	515	48	1409	3.57	10	5	2	1	34	1	8	2	42	.64	.081	3	473	7.07	290	.05	12	1.49	.01	.09	1	2
1+00E 3+40N	1	25	10	138	.2	147	27	1619	2.71	7	5	ND	2	33	1	2	2	38	.53	.074	7	96	.70	234	.09	11	1.01	.02	.13	1	1
1+00E 3+20N	1	20	8	48	.1	94	17	1032	3.09	14	5	ND	1	23	1	2	2	45	.29	.043	6	80	.51	206	.05	4	.90	.02	.06	1	1
1+00E 3+00N	1	27	8	96	.2	58	8	1249	2.04	16	5	ND	1	58	1	3	2	15	1.28	.118	5	23	.26	384	.01	3	.53	.01	.08	1	2
1+00E 2+80N	1	37	13	194	.1	67	13	1727	2.52	20	5	ND	2	107	1	6	2	15	1.81	.209	14	30	.46	998	.01	11	.67	.01	.10	1	1
1+00E 2+60N	1	33	7	68	.1	158	27	1381	2.51	9	5	ND	1	26	1	3	2	33	.34	.063	6	89	.60	384	.04	4	.99	.02	.05	1	1
1+00E 2+40N	1	14	7	72	.4	161	18	580	2.54	5	5	ND	2	21	1	2	2	40	.34	.033	6	107	.76	190	.08	5	.91	.02	.06	1	1
1+00E 2+20N	1	37	2	45	.2	265	9	748	1.40	5	5	ND	1	113	1	2	2	23	1.81	.061	8	54	1.16	416	.04	7	.86	.02	.05	1	1
1+00E 2+00N	1	28	2	26	.2	88	5	114	.70	4	5	ND	1	146	1	2	2	13	3.23	.089	4	26	1.57	170	.01	21	.48	.02	.03	1	1
1+00E 1+80N	2	10	4	9	.1	25	3	10	.09	3	5	ND	1	76	1	2	2	2	2.48	.051	2	10	1.16	39	.01	11	.07	.01	.01	1	1
1+00E 1+60N	3	40	4	40	.3	43	6	199	1.14	7	5	ND	2	62	1	2	2	23	1.78	.045	6	27	.60	95	.04	6	.69	.01	.03	1	8
1+00E 1+40N	1	22	10	48	.1	82	10	505	2.09	6	5	ND	2	24	1	2	2	42	.47	.020	8	66	.76	167	.07	7	1.38	.02	.04	1	1
1+00E 1+20N	1	15	11	47	.1	89	12	516	2.66	9	5	ND	3	24	1	2	2	52	.45	.024	8	84	.81	231	.10	5	1.52	.01	.04	1	1
1+00E 1+00N	1	7	6	24	.1	52	7	343	1.49	4	5	ND	1	18	1	2	2	30	.29	.025	6	50	.50	107	.07	2	.81	.02	.05	1	2
1+00E 0+80N	1	22	7	75	.2	781	53	920	6.28	16	5	ND	3	30	1	2	2	60	.67	.053	7	671	1.70	190	.07	7	1.42	.02	.17	1	1
1+00E 0+60N	1	9	8	32	.1	65	6	144	1.71	7	5	ND	1	22	1	2	2	38	.40	.033	7	70	.86	119	.09	3	1.06	.02	.05	2	1
1+00E 0+40N	1	16	8	79	.1	118	8	162	2.16	6	5	ND	1	25	1	2	2	39	.47	.023	8	78	1.26	144	.08	2	1.41	.02	.05	1	1
1+00E 0+20N	1	34	4	62	.2	97	14	529	2.47	8	5	ND	2	26	1	2	2	46	.51	.026	9	77	.97	183	.08	5	1.48	.02	.05	1	1
1+00E 0+00BL	1	11	7	38	.1	67	9	313	2.20	5	5	ND	2	25	1	2	2	44	.44	.023	7	64	.69	145	.08	6	1.07	.02	.06	1	1
1+50E 5+00N	1	13	3	83	.1	130	18	367	3.09	7	5	ND	2	16	1	2	2	45	.36	.079	6	151	1.08	125	.10	3	1.27	.02	.10	1	1
1+50E 4+80N	1	20	11	50	.2	114	19	986	2.81	8	5	ND	3	20	1	2	2	43	.40	.062	7	126	.99	165	.09	6	1.19	.02	.09	1	2
1+50E 4+60N	1	32	9	85	.1	96	24	613	3.58	8	5	ND	1	23	1	2	2	64	.51	.047	7	82	.75	129	.10	3	1.76	.02	.06	1	2
1+50E 4+40N	1	22	9	66	.1	84	19	1054	2.66	6	5	ND	2	29	1	2	2	44	.75	.060	6	66	.53	164	.07	5	1.07	.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
1+50E 4+20N	1	23	4	98	.2	121	24	1359	2.98	6	5	ND	2	27	1	2	2	42	.49	.091	7	112	.76	198	.06	2	1.09	.02	.09	1	1
1+50E 4+00N	1	24	10	58	.1	135	16	558	3.24	10	5	ND	2	21	1	2	2	54	.43	.034	8	120	.99	158	.12	2	1.51	.01	.08	1	2
1+50E 3+80N	1	34	13	115	.3	130	32	803	6.51	6	5	ND	7	31	1	2	2	133	.55	.097	37	144	2.62	281	.34	2	2.97	.01	.10	1	1
1+50E 3+60N	1	34	8	120	.4	164	25	1372	3.07	8	5	ND	1	43	1	2	2	39	.79	.108	8	100	.79	194	.06	4	.94	.01	.08	2	1
1+50E 3+40N	1	32	7	105	.1	168	25	1641	2.31	5	5	ND	1	37	1	2	2	30	.55	.061	6	125	.71	188	.05	5	.73	.01	.07	1	2
1+50E 3+20N	2	34	12	127	.3	462	34	1335	3.09	4	5	ND	1	40	1	2	2	32	.48	.093	7	177	1.05	228	.05	2	.93	.02	.08	1	1
1+50E 3+00N	1	26	8	59	.2	155	23	1658	2.67	10	5	ND	1	47	1	2	2	38	.73	.045	6	91	.74	264	.06	2	.90	.01	.07	1	2
1+50E 2+80N	4	89	104	376	1.5	367	52	2811	7.75	385	5	ND	4	189	3	18	2	46	1.26	.251	33	104	.58	432	.02	2	.90	.01	.09	1	12
1+50E 2+60N	1	40	11	139	.4	148	30	2606	2.61	10	5	ND	1	62	1	2	2	33	.91	.092	7	74	.55	334	.04	5	.80	.01	.07	1	1
1+50E 2+40N	1	22	8	55	.2	151	17	781	3.11	13	5	ND	2	25	1	2	2	56	.37	.032	8	116	.77	228	.08	9	1.46	.02	.06	1	2
1+50E 2+20N	1	24	4	57	.3	307	36	970	4.81	26	5	ND	1	30	1	2	2	53	.42	.053	7	301	.76	229	.05	4	1.16	.01	.06	1	2
1+50E 2+00N	1	19	2	43	.1	133	12	460	1.62	7	5	ND	1	63	1	2	2	25	1.53	.059	4	76	1.05	137	.04	4	.64	.01	.04	1	1
1+50E 1+80N	9	18	2	49	.1	110	13	640	1.39	7	5	ND	1	85	1	2	2	18	1.85	.078	3	54	.81	133	.03	6	.46	.01	.04	1	1
1+50E 1+60N	1	12	2	24	.1	67	5	142	1.59	7	5	ND	2	43	1	2	2	33	.83	.046	8	55	.81	98	.06	2	.75	.02	.03	1	1
1+50E 1+40N	1	13	6	24	.1	70	6	147	1.78	7	5	ND	2	30	1	2	2	38	.59	.022	8	65	.88	94	.07	2	.83	.02	.03	2	1
1+50E 1+20N	1	34	2	50	.1	124	8	148	2.10	10	5	ND	2	43	1	2	2	43	.70	.028	11	79	1.06	171	.07	3	1.29	.02	.03	1	1
1+50E 1+00N	1	73	9	69	.5	180	13	628	2.88	13	5	ND	3	107	1	2	2	48	1.55	.065	18	87	1.18	200	.05	7	1.64	.02	.03	2	7
1+50E 0+80N	1	17	3	42	.1	65	10	362	2.50	9	5	ND	1	27	1	2	4	56	.35	.021	6	64	.64	164	.04	2	1.24	.01	.03	2	1
1+50E 0+60N	1	52	10	42	.2	144	8	308	2.44	10	5	ND	2	74	1	2	2	43	1.21	.043	12	75	1.27	214	.05	5	1.42	.02	.03	1	1
1+50E 0+40N	1	40	2	97	.1	223	17	873	3.19	12	5	ND	2	46	1	2	2	59	.85	.054	14	93	.84	222	.05	11	1.68	.02	.05	1	1
1+50E 0+20N	1	13	4	37	.1	66	9	289	2.54	10	5	ND	1	20	1	2	2	58	.40	.012	7	65	.53	127	.08	2	1.26	.01	.03	1	1
1+50E 0+00BL	1	27	7	27	.1	96	6	170	2.14	11	5	ND	2	58	1	2	2	41	1.13	.022	9	66	.94	114	.06	4	1.10	.02	.03	1	2
2+00E 5+00N	1	17	5	58	.1	174	18	277	3.44	9	5	ND	4	14	1	2	2	55	.30	.051	8	199	1.27	89	.10	7	1.23	.01	.05	1	5
2+00E 4+80N	1	14	3	58	.1	113	16	757	2.72	5	5	ND	1	14	1	2	2	43	.29	.049	6	143	.87	125	.09	2	1.11	.01	.08	1	225
2+00E 4+60N	1	15	2	84	.1	103	15	760	2.60	6	5	ND	2	17	1	2	2	43	.32	.048	7	132	.81	174	.09	3	1.24	.02	.05	1	3
2+00E 4+40N	1	14	4	103	.1	115	20	1358	2.93	3	5	ND	1	17	1	2	2	44	.40	.033	6	140	.82	150	.10	2	1.10	.01	.11	1	5
2+00E 4+20N	1	12	2	59	.1	109	16	426	2.74	7	5	ND	2	18	1	2	2	46	.41	.053	6	149	.93	84	.09	3	1.12	.01	.05	1	1
2+00E 4+00N	1	19	7	60	.1	153	24	672	2.91	8	5	ND	1	24	1	2	2	49	.48	.037	6	126	.85	118	.08	2	1.19	.01	.11	1	1
2+00E 3+80N	1	32	8	72	.3	152	22	1071	4.15	9	5	ND	2	27	1	2	2	76	.48	.048	6	84	.58	154	.07	2	1.53	.01	.08	1	1
2+00E 3+60N	1	23	9	46	.1	155	15	698	2.70	7	5	ND	2	23	1	2	2	43	.38	.022	7	133	.82	181	.07	4	1.09	.02	.05	1	1
2+00E 3+40N	1	21	5	49	.2	157	19	805	3.15	18	5	ND	1	24	1	42	2	48	.38	.047	7	140	.81	163	.07	2	.99	.01	.05	1	2
2+00E 3+20N	1	31	9	79	.1	133	19	897	2.75	22	5	ND	1	40	1	2	2	41	.62	.058	8	93	.70	182	.05	6	1.00	.02	.07	1	1
2+00E 3+00N	1	21	2	46	.1	243	14	501	2.15	7	5	ND	2	16	1	2	2	34	.29	.029	8	74	.93	104	.06	4	1.01	.01	.06	2	1
2+00E 2+80N	5	23	9	50	.3	335	33	963	3.69	20	5	ND	2	25	1	3	2	47	.31	.029	6	216	.88	216	.07	5	1.02	.02	.05	1	2
2+00E 2+60N	1	24	9	70	.1	645	43	793	5.16	23	5	ND	2	25	1	5	2	66	.34	.043	13	237	3.25	203	.07	4	2.31	.01	.04	1	1
2+00E 2+40N	1	35	5	65	.2	222	30	1695	2.90	6	5	ND	1	36	1	2	2	38	.52	.054	6	132	.74	266	.06	2	.87	.01	.05	1	4
STD C/AU-S	19	60	39	127	7.1	68	28	1030	3.99	38	19	8	37	50	17	17	24	58	.46	.090	38	63	.84	172	.08	36	1.74	.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
2+00E 2+20N	1	18	11	59	.1	107	18	984	2.55	9	5	ND	1	26	1	2	2	43	.42	.049	8	84	.58	210	.07	5	.92	.01	.06	1	1
2+00E 2+00N	1	28	4	18	.1	100	3	158	.66	3	5	ND	1	149	1	2	2	14	3.89	.089	4	24	1.23	158	.01	10	.43	.02	.03	2	2
2+00E 1+80N	1	27	2	50	.1	87	10	402	2.20	10	5	ND	2	74	1	2	2	37	1.55	.072	8	64	1.13	211	.05	5	1.28	.02	.07	1	1
2+00E 1+60N	1	6	3	18	.1	10	1	7	.11	2	5	ND	1	92	1	2	2	2	2.22	.050	2	9	1.07	62	.01	21	.14	.02	.01	1	1
2+00E 1+40N	2	4	3	13	.1	7	1	2	.06	2	5	ND	1	79	1	2	2	1	1.81	.054	2	7	.96	31	.01	8	.08	.01	.01	1	5
2+00E 1+20N	1	18	6	31	.1	51	4	311	.67	3	5	ND	1	128	1	2	2	11	3.64	.078	2	25	1.11	154	.01	13	.43	.02	.02	3	1
2+00E 1+00N	1	12	6	36	.1	166	17	438	2.82	9	5	ND	2	23	1	2	2	46	.41	.013	6	131	.80	137	.08	3	1.05	.01	.05	1	1
2+00E 0+80N	1	9	7	60	.1	169	14	298	3.03	10	5	ND	2	19	1	2	2	54	.35	.042	6	126	1.29	139	.07	4	1.40	.01	.04	1	1
2+00E 0+60N	1	12	12	32	.1	69	9	273	2.29	9	5	ND	2	28	1	2	2	51	.46	.014	7	68	.84	161	.10	2	1.44	.02	.05	1	1
2+00E 0+40N	1	29	11	47	.2	134	11	329	3.15	14	5	ND	4	38	1	2	2	56	.77	.016	14	78	1.35	166	.07	3	1.82	.02	.06	1	1
2+00E 0+20N	1	38	2	33	.2	105	6	344	1.21	5	5	ND	1	116	1	2	2	19	2.50	.089	6	40	1.15	275	.03	14	.75	.02	.06	1	2
2+00E 0+00BL	1	17	5	16	.1	137	2	115	.31	9	5	ND	1	109	1	2	2	7	2.76	.095	3	10	1.13	142	.01	19	.18	.01	.06	1	2
2+50E 5+00N	1	14	7	79	.1	116	15	601	2.47	9	5	ND	1	16	1	2	2	41	.34	.039	6	111	.80	151	.08	2	1.13	.01	.05	1	21
2+50E 4+80N	1	14	2	95	.1	127	16	803	2.81	7	5	ND	2	13	2	2	2	44	.28	.039	7	138	.96	164	.10	2	1.14	.01	.07	1	1
2+50E 4+60N	1	20	12	144	.1	210	25	2238	3.35	10	5	ND	1	18	1	2	2	46	.33	.092	7	153	1.24	239	.06	2	1.37	.02	.08	1	4
2+50E 4+40N	1	19	5	75	.1	164	19	515	3.14	12	5	ND	3	17	1	2	2	54	.34	.035	8	147	1.27	155	.11	5	1.53	.02	.09	1	1
2+50E 4+20N	1	17	6	45	.1	150	16	370	2.80	10	5	ND	3	15	1	2	2	49	.30	.025	7	146	1.28	97	.11	4	1.22	.01	.06	2	5
2+50E 4+00N	1	16	9	49	.1	170	17	419	2.91	10	5	ND	3	18	1	2	2	46	.35	.051	7	164	1.41	105	.10	2	1.14	.01	.10	1	1
2+50E 3+80N	1	30	8	168	.2	130	22	1189	3.72	27	5	ND	1	31	2	2	2	56	.41	.067	8	128	.93	162	.05	4	1.51	.01	.06	1	195
2+50E 3+60N	1	22	4	74	.1	186	19	465	3.33	13	5	ND	3	17	1	2	2	57	.32	.055	8	154	1.34	135	.10	10	1.66	.02	.06	2	1
2+50E 3+40N	1	17	12	96	.1	155	19	632	3.23	10	5	ND	2	18	1	2	2	50	.32	.068	7	138	1.21	162	.08	3	1.36	.02	.06	1	1
2+50E 3+20N	1	17	8	60	.1	89	19	1019	2.53	7	5	ND	2	18	2	2	2	44	.27	.027	7	103	.82	190	.08	3	1.25	.02	.06	1	3
2+50E 3+00N	1	15	5	72	.1	89	20	1068	2.31	4	5	ND	1	23	1	2	2	39	.43	.041	6	97	.81	153	.07	2	.92	.01	.05	1	1
2+50E 2+80N	1	11	9	85	.1	86	21	1018	2.43	5	5	ND	1	21	1	2	2	42	.34	.058	6	120	.78	180	.08	2	1.07	.01	.07	1	2
2+50E 2+60N	1	15	3	67	.1	162	18	630	2.55	7	5	ND	1	24	1	2	2	44	.40	.037	5	126	1.02	163	.08	3	1.09	.02	.06	1	1
2+50E 2+40N	1	13	8	26	.1	85	6	171	1.68	7	5	ND	2	68	1	2	2	32	2.16	.056	9	61	1.09	69	.07	4	.63	.02	.03	1	2
2+50E 2+20N	1	10	4	65	.5	29	3	273	.21	4	5	ND	1	79	1	2	2	5	1.79	.086	2	9	.67	66	.01	15	.09	.01	.10	1	1
2+50E 2+00N	1	16	8	21	.1	52	6	161	1.58	6	5	ND	2	23	2	2	2	31	.45	.026	7	52	.59	74	.06	5	.84	.02	.03	1	1
2+50E 1+80N	1	5	3	10	.1	17	3	95	1.08	3	5	ND	1	22	1	2	2	34	.38	.010	5	35	.32	54	.07	4	.59	.01	.02	1	1
2+50E 1+60N	1	14	11	34	.1	95	11	476	2.55	11	5	ND	2	24	1	2	2	54	.42	.016	8	77	.84	122	.08	2	1.40	.02	.07	1	1
2+50E 1+40N	1	13	12	62	.1	71	11	311	2.98	10	5	ND	2	22	1	2	2	67	.36	.018	8	69	.63	139	.08	4	1.42	.02	.03	1	3
2+50E 1+20N	1	15	13	87	.2	101	19	882	3.25	13	5	ND	2	32	1	2	2	64	.60	.058	6	78	.67	175	.05	4	1.42	.01	.06	1	1
2+50E 1+00N	1	19	12	51	.2	97	14	769	2.76	10	5	ND	2	19	1	2	2	56	.29	.038	7	71	.72	149	.06	4	1.44	.02	.05	1	3
2+50E 0+80N	1	16	11	50	.1	134	17	640	3.13	9	5	ND	1	22	1	2	2	54	.39	.053	7	69	.96	162	.04	4	1.22	.01	.04	1	2
2+50E 0+60N	1	17	10	60	.4	77	15	1263	2.25	6	5	ND	2	27	1	2	6	40	.48	.047	7	52	.48	214	.05	4	.97	.02	.06	1	1
2+50E 0+40N	1	28	14	87	.3	127	18	866	3.28	13	5	ND	3	27	1	2	3	60	.50	.078	8	69	.83	244	.07	4	1.46	.02	.06	1	1
STD C/AU-S	19	61	38	126	7.2	69	28	1035	4.01	41	20	7	38	51	19	17	22	59	.46	.091	38	60	.87	173	.08	38	1.75	.06	.14	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
2+50E 0+20N	1	16	6	57	.1	77	13	543	2.45	10	5	ND	1	26	1	2	2	43	.51	.048	5	69	.60	139	.04	2	1.03	.01	.05	1	1
2+50E 0+00BL	1	18	7	52	.2	77	12	1031	2.20	7	5	ND	1	21	1	2	3	36	.39	.044	5	53	.43	183	.04	2	.91	.01	.07	2	1
3+00E 5+00N	1	22	10	80	.1	186	21	963	3.00	12	5	ND	3	18	1	2	2	47	.35	.038	8	155	1.23	195	.09	5	1.27	.02	.08	1	18
3+00E 4+80N	1	18	8	70	.1	195	18	562	2.76	11	5	ND	2	18	1	2	2	42	.38	.035	7	149	1.31	112	.09	4	1.18	.02	.08	2	6
3+00E 4+60N	1	24	8	57	.1	242	17	289	2.74	12	5	ND	4	19	1	2	2	51	.39	.037	8	175	1.71	134	.11	2	1.42	.02	.04	1	7
3+00E 4+40N	1	20	8	69	.1	210	18	376	2.93	13	5	ND	3	17	1	2	2	51	.36	.037	7	152	1.45	131	.11	3	1.46	.02	.04	1	1
3+00E 4+20N	1	20	8	86	.1	191	19	762	3.09	12	5	ND	3	17	1	2	2	52	.35	.034	7	153	1.26	187	.10	4	1.60	.02	.06	1	1
3+00E 4+00N	1	17	5	59	.1	184	15	380	2.74	11	5	ND	3	18	1	2	2	45	.35	.038	7	150	1.29	122	.10	2	1.26	.01	.10	1	1
3+00E 3+80N	1	15	2	43	.2	140	14	244	2.61	10	5	ND	3	17	2	2	2	43	.35	.027	7	140	1.07	104	.10	2	1.06	.02	.07	1	1
3+00E 3+60N	1	12	3	36	.1	116	13	280	2.36	8	5	ND	2	15	1	2	2	41	.32	.028	6	131	.98	116	.10	2	1.04	.02	.04	1	6
3+00E 3+40N	1	11	5	39	.1	109	11	207	2.28	6	5	ND	2	15	1	2	2	40	.30	.016	5	123	.89	96	.09	2	1.01	.01	.05	1	3
3+00E 3+20N	1	13	7	47	.1	123	13	234	2.56	11	5	ND	3	14	1	3	2	47	.28	.018	6	137	1.05	97	.10	4	1.22	.01	.04	1	10
3+00E 3+00N	1	14	8	53	.1	127	12	264	2.57	10	5	ND	2	14	1	2	2	46	.28	.029	6	145	1.14	125	.09	5	1.23	.01	.05	1	1
3+00E 2+80N	1	11	2	49	.1	127	14	264	2.75	7	5	ND	2	15	1	2	2	44	.31	.029	5	155	1.04	102	.09	7	1.12	.01	.04	2	1
3+00E 2+60N	1	11	8	45	.1	123	12	173	2.62	5	5	ND	3	13	2	2	2	43	.26	.037	6	153	1.09	67	.08	5	.93	.01	.04	1	770
3+00E 2+40N	1	22	10	69	.2	126	14	554	2.45	7	5	ND	2	24	1	2	2	38	.41	.040	7	112	1.15	170	.08	6	1.29	.02	.04	1	1
3+00E 2+20N	1	22	6	73	.1	115	12	450	2.98	9	5	ND	3	33	1	2	2	41	.54	.025	7	111	1.20	179	.09	5	1.45	.02	.06	1	1
3+00E 2+00N	1	12	9	53	.1	83	11	383	2.32	11	5	ND	2	22	1	2	2	48	.42	.019	6	73	.67	148	.07	2	1.29	.02	.03	1	1
3+00E 1+80N	1	7	12	24	.1	52	7	176	1.95	8	5	ND	2	16	1	2	2	41	.33	.027	5	66	.45	97	.07	3	.93	.01	.03	1	40
3+00E 1+60N	1	13	5	87	.1	116	17	825	2.61	8	5	ND	2	22	1	2	2	46	.34	.032	6	73	.64	145	.06	4	1.14	.02	.04	1	1
3+00E 1+40N	1	10	11	51	.1	75	13	425	2.39	8	5	ND	2	18	1	2	2	43	.37	.046	6	80	.59	114	.08	4	.95	.01	.10	1	1
3+00E 1+20N	1	9	10	50	.1	72	10	311	2.37	9	5	ND	2	20	1	2	2	49	.45	.058	7	100	.79	85	.09	4	1.06	.01	.08	2	2
3+00E 1+00N	1	10	9	61	.1	62	10	301	2.10	9	5	ND	2	23	1	2	5	43	.45	.056	7	69	.58	103	.07	4	1.09	.01	.03	1	1
3+00E 0+80N	1	20	8	79	.1	120	15	745	3.17	11	5	ND	4	28	1	2	2	58	.63	.030	8	103	.91	205	.09	3	1.68	.01	.07	1	4
3+00E 0+60N	1	11	10	106	.2	68	14	676	2.44	6	5	ND	2	27	2	2	3	45	.58	.087	6	76	.55	171	.07	3	1.06	.01	.05	1	1
3+00E 0+40N	1	19	9	56	.3	102	15	919	3.18	12	5	ND	2	25	1	2	2	57	.49	.075	6	89	.86	265	.05	6	1.61	.01	.05	1	1
3+00E 0+20N	1	9	7	48	.1	67	11	517	2.30	8	5	ND	2	19	1	2	2	47	.37	.029	6	71	.57	159	.09	3	1.20	.01	.03	1	1
3+00E 0+00BL	1	20	13	75	.2	141	17	586	3.31	15	5	ND	3	23	1	2	3	58	.43	.059	8	93	.95	189	.07	4	1.50	.02	.07	1	1
3+00E 0+20S	1	22	15	88	.2	153	23	1291	3.70	14	5	ND	2	26	1	2	2	57	.45	.098	7	96	1.01	293	.05	4	1.51	.01	.06	1	1
3+00E 0+40S	1	31	11	76	.1	154	17	718	2.72	12	5	ND	2	29	1	2	2	41	.60	.060	7	87	.93	210	.04	6	1.18	.02	.05	1	1
3+00E 0+60S	1	18	10	63	.1	180	18	392	3.57	17	5	ND	2	24	1	2	2	54	.47	.067	5	118	.99	174	.04	2	1.35	.01	.05	1	5
3+00E 0+80S	1	18	7	79	.3	105	12	458	2.63	10	5	ND	3	22	1	2	3	42	.39	.042	7	65	.48	138	.06	8	1.05	.02	.04	1	38
3+00E 1+00S	1	25	6	73	.1	138	16	943	2.84	10	5	ND	1	32	1	2	2	40	.56	.088	6	83	.80	180	.04	3	1.11	.02	.06	1	41
3+00E 1+20S	1	16	11	75	.1	114	14	482	2.67	10	5	ND	2	23	1	2	2	43	.43	.054	6	109	.87	147	.07	5	1.13	.01	.06	1	1
3+00E 1+40S	1	15	13	94	.1	90	10	632	2.36	8	5	ND	2	28	1	2	2	41	.53	.053	8	56	.45	167	.07	5	1.20	.02	.07	1	1
3+00E 1+60S	1	20	11	176	.3	136	16	902	3.00	9	5	ND	4	28	2	2	3	39	.44	.101	8	77	.50	248	.07	7	1.37	.02	.09	1	1
STD C/AU-S	19	61	42	133	7.2	69	28	1057	4.14	43	25	7	40	52	18	16	19	60	.48	.090	39	61	.87	179	.08	33	1.82	.06	.13	12	47

HOMESTAKE PROJECT-PC-5710 FILE # 87-3599

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU! PPB
3+00E 1+80S	1	25	12	114	.5	84	12	987	2.35	7	5	ND	2	35	2	2	2	37	.65	.106	8	61	.44	261	.06	2	1.21	.02	.06	1	4
3+00E 2+00S	1	20	12	68	.2	118	16	695	3.05	11	5	ND	2	40	2	2	2	53	.65	.084	8	63	.64	263	.07	2	1.47	.02	.05	1	1
3+00E 2+20S	1	15	13	44	.4	113	12	442	2.78	11	5	ND	3	28	2	2	2	46	.45	.025	7	83	.84	229	.08	2	1.50	.02	.05	1	1
3+00E 2+40S	1	20	15	46	.2	198	17	790	3.37	11	5	ND	3	28	1	2	2	58	.43	.013	11	108	.89	226	.10	4	1.89	.03	.04	1	1
3+00E 2+60S	1	9	6	30	.1	131	9	224	2.08	5	5	ND	1	26	1	2	2	37	.36	.022	6	97	.68	91	.06	2	1.01	.02	.03	1	1
3+00E 2+80S	3	20	11	165	.2	703	53	937	6.15	7	5	ND	1	26	1	2	2	36	.37	.083	3	473	3.76	108	.03	9	.82	.01	.05	1	2
3+00E 3+00S	1	15	5	53	.2	27	3	967	.35	2	5	ND	1	101	1	2	2	3	2.47	.090	2	17	1.68	141	.01	18	.12	.01	.03	1	1
3+00E 3+20S	1	11	3	35	.1	96	10	255	2.06	9	5	ND	1	23	1	2	2	36	.58	.018	5	76	.98	118	.06	4	1.16	.02	.04	1	2
3+00E 3+40S	1	12	6	95	.3	44	4	125	1.05	6	5	ND	1	30	1	2	2	23	.56	.053	6	56	.57	194	.06	7	.98	.02	.08	1	1
3+00E 3+60S	1	13	11	44	.3	105	13	618	2.22	6	5	ND	1	16	2	2	2	35	.26	.028	6	86	.70	184	.07	8	1.00	.03	.04	2	2
3+00E 3+80S	1	51	9	233	.1	187	30	1646	3.29	5	5	ND	1	45	3	2	2	58	.79	.094	4	94	1.52	345	.05	7	1.12	.02	.10	1	1
3+50E 5+00N	1	24	7	101	.1	200	21	714	3.26	14	5	ND	2	18	1	2	2	52	.37	.077	7	166	1.36	173	.08	2	1.68	.02	.06	1	2
3+50E 4+80N	1	24	13	106	.2	232	25	737	3.39	11	5	ND	2	29	1	2	2	50	.48	.088	7	175	1.55	225	.10	4	1.55	.02	.09	1	3
3+50E 4+60N	2	21	11	130	.3	206	22	849	3.31	10	5	ND	3	19	1	2	2	52	.36	.084	7	173	1.40	203	.09	5	1.68	.02	.06	1	25
3+50E 4+40N	1	21	9	82	.1	180	20	549	3.11	11	5	ND	2	22	1	2	2	46	.48	.043	7	171	1.24	171	.09	2	1.31	.02	.08	1	1
3+50E 4+20N	2	19	8	72	.2	182	20	549	3.57	13	5	ND	2	17	1	2	2	55	.37	.033	7	222	1.44	160	.12	5	1.45	.02	.08	1	2
3+50E 4+00N	1	42	12	71	.5	381	21	1309	2.94	10	5	ND	2	27	1	2	2	42	.50	.043	8	146	1.24	189	.08	4	1.51	.03	.19	1	3
3+50E 3+80N	1	22	6	76	.1	197	21	488	3.46	15	5	ND	3	20	1	2	2	58	.40	.039	7	189	1.57	158	.12	2	1.67	.02	.08	1	5
3+50E 3+60N	1	13	7	50	.1	129	15	244	2.88	9	5	ND	2	18	1	2	2	48	.42	.028	6	174	1.17	100	.11	7	1.24	.02	.06	1	1
3+50E 3+40N	2	18	6	107	.1	197	22	673	3.47	12	5	ND	2	18	1	2	2	48	.37	.059	6	211	1.66	200	.09	2	1.50	.02	.07	1	1
3+50E 3+20N	1	20	11	71	.1	167	17	353	3.38	14	5	ND	2	18	1	2	2	54	.40	.043	7	191	1.20	154	.10	8	1.48	.02	.05	1	1
3+50E 3+00N	1	33	7	87	.2	215	25	738	3.45	12	5	ND	2	25	1	2	3	50	.51	.073	8	189	1.40	152	.09	4	1.29	.02	.06	1	520
3+50E 2+80N	1	19	7	40	.1	133	18	532	2.70	9	5	ND	2	24	1	2	2	40	.47	.043	6	140	1.02	104	.08	9	1.12	.02	.21	1	2
3+50E 2+60N	1	20	3	94	.1	156	26	677	3.19	10	5	ND	2	26	4	2	2	45	.51	.118	6	172	1.30	133	.07	4	1.23	.02	.08	1	16
3+50E 2+40N	1	22	9	67	.3	172	19	507	2.87	10	5	ND	2	26	1	2	2	43	.65	.050	6	158	1.28	133	.07	7	1.08	.02	.07	1	2
3+50E 2+20N	1	16	8	65	.1	153	19	414	3.42	11	5	ND	2	15	1	2	2	52	.28	.059	6	191	1.26	103	.08	3	1.37	.02	.06	1	2
3+50E 2+00N	1	27	3	61	.1	159	17	712	3.39	12	5	ND	3	28	1	2	2	52	.61	.071	9	126	.89	208	.08	4	1.58	.02	.08	1	1
3+50E 1+80N	1	13	11	46	.2	82	10	372	2.20	7	5	ND	2	16	1	2	2	36	.28	.059	5	63	.50	140	.06	6	1.04	.02	.04	1	2
3+50E 1+60N	1	15	7	70	.3	113	13	472	2.57	10	5	ND	2	23	1	2	2	44	.49	.047	7	104	.79	136	.09	5	1.07	.02	.11	1	1
3+50E 1+40N	1	13	9	129	.4	139	18	436	3.14	12	5	ND	3	18	1	2	2	48	.34	.045	6	131	.78	132	.08	7	1.20	.02	.11	1	3
3+50E 1+20N	1	10	5	146	.2	78	11	340	2.15	5	5	ND	2	17	1	2	2	36	.35	.069	7	96	.62	151	.08	13	.88	.02	.09	1	14
3+50E 1+00N	2	24	7	58	.3	226	20	327	3.55	18	5	ND	1	33	1	2	2	53	.39	.068	5	206	1.07	120	.06	7	1.26	.01	.06	1	7
3+50E 0+80N	1	15	7	34	.2	87	8	315	2.02	9	5	ND	3	19	1	2	2	38	.37	.035	8	89	.88	131	.08	4	1.08	.02	.04	1	66
3+50E 0+60N	1	14	5	79	.2	94	13	605	2.35	7	5	ND	2	24	2	2	2	43	.48	.082	6	92	.63	146	.07	8	1.02	.02	.07	1	4
3+50E 0+40N	1	12	6	66	.1	57	10	957	1.88	5	5	ND	1	23	1	2	2	36	.40	.059	6	68	.43	183	.06	5	.84	.01	.06	1	1
3+50E 0+20N	1	20	8	82	.2	134	16	600	3.42	12	5	ND	3	21	2	2	2	58	.38	.078	8	127	.91	207	.09	6	1.63	.02	.06	1	3
3+50E 0+00BL	1	13	2	37	.1	117	9	237	2.39	11	5	ND	3	22	1	2	2	45	.41	.037	8	89	.88	133	.09	5	1.11	.02	.04	1	1
STD C/AU-S	19	62	36	132	7.2	70	28	1047	4.16	43	19	7	40	51	19	17	19	60	.49	.093	38	70	.89	182	.08	36	1.86	.06	.13	12	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
3+50E 0+20S	1	17	8	99	.3	125	18	1429	2.95	11	5	ND	3	29	1	2	2	52	.54	.090	7	77	.63	240	.05	4	1.24	.01	.06	1	2
3+50E 0+40S	1	15	13	110	.3	123	19	1220	3.00	10	5	ND	2	27	1	2	2	50	.48	.090	7	81	.74	266	.05	2	1.15	.01	.05	1	1
3+50E 0+60S	2	20	6	191	.3	153	24	2192	3.43	11	5	ND	2	32	1	2	2	51	.62	.137	7	98	.57	324	.05	6	1.20	.01	.06	1	2
3+50E 0+80S	1	27	8	179	.1	200	21	1290	3.46	11	5	ND	2	26	1	2	2	50	.49	.100	8	117	.92	295	.07	4	1.27	.01	.11	1	1
3+50E 1+00S	1	26	17	180	.1	211	22	1446	3.60	13	5	ND	3	34	1	2	2	51	.52	.170	8	95	.77	303	.05	2	1.30	.01	.08	1	1
3+50E 1+20S	1	7	4	40	.3	88	8	541	1.12	3	5	ND	1	18	1	2	2	14	.28	.047	2	50	.49	120	.02	4	.40	.01	.03	1	1
3+50E 1+40S	1	17	8	114	.5	135	15	1056	2.19	6	5	ND	2	38	1	2	2	32	.58	.068	6	90	.67	271	.05	6	.88	.01	.07	2	1
3+50E 1+60S	1	10	8	34	.2	186	13	455	2.47	9	5	ND	3	22	1	2	2	40	.36	.029	7	115	.65	200	.08	7	.90	.02	.03	1	2
3+50E 1+80S	1	12	5	48	.1	371	23	355	3.30	9	5	ND	3	17	1	2	2	41	.29	.020	6	291	1.67	180	.08	2	.96	.01	.02	1	1
3+50E 2+00S	1	8	3	27	.1	90	9	181	2.24	9	5	ND	4	20	1	4	3	50	.31	.009	7	75	.62	163	.10	4	1.10	.02	.02	2	1
3+50E 2+20S	1	42	10	99	.1	764	44	1074	5.73	60	5	ND	5	46	1	10	2	62	.65	.043	8	448	1.20	266	.06	2	1.48	.01	.03	1	1
3+50E 2+40S	3	25	6	125	.1	1932	88	1066	10.85	59	5	ND	2	61	1	13	2	45	.63	.094	3	949	2.03	272	.01	2	.57	.01	.02	1	2
3+50E 2+60S	2	18	10	83	.4	1077	57	803	7.56	337	5	ND	3	28	1	50	2	49	.27	.041	7	536	.72	125	.02	2	1.07	.01	.02	1	1
3+50E 2+80S	1	37	8	143	.1	2940	94	1181	8.37	33	5	ND	4	40	1	8	2	54	.42	.113	17	532	6.20	164	.03	13	1.37	.01	.03	1	20
3+50E 3+00S	1	10	5	42	.1	182	14	291	2.44	12	5	ND	2	17	1	2	2	44	.25	.018	7	81	.86	103	.07	7	1.14	.01	.03	2	5
3+50E 3+20S	1	15	3	46	.1	68	5	104	1.92	5	5	ND	2	36	1	2	2	28	.70	.049	6	69	1.12	128	.06	2	1.02	.01	.04	1	1
3+50E 3+40S	2	17	12	43	.3	1282	60	461	8.19	8	5	ND	2	16	1	6	2	40	.15	.019	4	582	4.22	87	.03	24	.78	.01	.05	2	2
3+50E 3+60S	1	16	5	67	.1	396	30	494	3.05	8	5	ND	3	22	1	2	2	45	.34	.016	9	119	1.04	121	.09	2	1.00	.01	.09	1	1
3+50E 3+80S	1	63	9	110	.6	306	7	233	2.07	9	5	ND	2	67	1	2	2	37	1.40	.078	12	58	1.43	226	.04	6	.96	.02	.04	1	2
4+00E 3+00N	1	22	9	38	.1	220	13	195	2.48	7	5	ND	3	20	1	2	2	40	.42	.023	9	148	2.05	73	.10	3	1.06	.02	.03	1	1
4+00E 2+80N	1	33	8	49	.1	266	18	306	2.84	11	5	ND	4	24	1	2	2	51	.44	.051	12	155	2.08	128	.10	4	1.23	.02	.04	1	2
4+00E 2+60N	1	30	9	40	.2	258	18	226	3.04	11	5	ND	4	21	1	2	2	49	.38	.035	12	166	2.04	72	.10	2	1.06	.02	.04	1	93
4+00E 2+40N	1	29	3	44	.3	270	16	203	2.01	7	5	ND	3	25	1	2	2	41	.47	.040	11	148	2.07	101	.10	3	1.09	.02	.03	1	88
4+00E 2+20N	1	22	3	36	.1	248	14	258	2.50	8	5	ND	3	21	1	2	2	40	.40	.043	9	134	2.19	79	.08	2	.88	.01	.03	2	1
4+00E 2+00N	1	30	3	33	.2	241	13	266	2.81	13	5	ND	2	25	1	2	2	35	.46	.048	8	113	1.97	98	.06	2	.85	.02	.02	2	1
4+00E 1+80N	1	27	9	80	.1	505	25	597	3.44	11	5	ND	4	21	1	2	2	54	.42	.055	7	144	1.51	130	.11	4	1.64	.02	.10	1	2
4+00E 1+60N	3	17	11	53	.2	334	30	813	5.07	25	5	ND	2	33	1	2	2	52	.56	.086	7	245	1.86	156	.05	5	1.12	.01	.08	1	3
4+00E 1+40N	2	21	3	64	.1	205	23	507	3.65	20	5	ND	4	25	1	5	2	57	.41	.046	8	139	1.31	194	.08	2	1.50	.02	.06	1	1
4+00E 1+20N	1	17	8	105	.3	194	21	916	3.25	11	5	ND	3	23	1	2	2	52	.41	.063	7	104	.87	210	.08	23	1.45	.02	.07	1	18
4+00E 1+20S	2	26	10	70	.1	646	36	863	5.52	55	5	ND	4	30	1	6	2	62	.43	.038	10	291	1.08	227	.07	4	1.56	.01	.04	1	1
4+00E 1+40S	1	14	7	42	.1	187	16	333	2.98	17	5	ND	4	32	1	6	2	57	.42	.025	9	117	.69	253	.08	2	1.16	.01	.06	1	1
4+00E 1+60S	1	30	4	116	.3	1798	61	931	8.47	67	5	ND	3	64	1	15	2	60	.81	.051	7	634	1.43	193	.03	3	1.21	.01	.03	1	1
4+00E 1+80S	1	20	7	74	.1	951	50	969	6.94	60	5	ND	4	21	1	11	2	67	.23	.054	6	614	3.32	175	.04	8	1.56	.01	.04	1	2
4+00E 2+20S	5	28	18	141	3.5	2887	129	1541	9.78	825	5	ND	3	63	1	100	2	50	.54	.094	5	645	1.22	241	.01	4	1.10	.01	.04	1	43
4+00E 2+40S	3	18	7	120	.1	2061	91	1274	9.19	65	5	ND	2	79	1	17	2	43	.90	.088	4	569	4.82	246	.02	12	.67	.01	.04	1	1
STD C/AU-S	19	62	40	132	7.2	71	29	1063	4.15	40	22	7	40	52	18	18	22	61	.47	.092	40	59	.86	180	.09	37	1.81	.07	.14	13	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
4+00E 2+60S	2	27	10	86	.1	1000	67	1787	7.21	36	5	ND	3	28	1	2	2	58	.36	.055	9	412	1.57	325	.04	5	1.37	.01	.04	1	1
4+00E 2+80S	1	31	6	114	.2	747	33	802	4.03	12	5	ND	3	26	1	2	3	52	.42	.039	12	158	1.71	231	.06	8	1.49	.02	.03	1	10
4+00E 3+00S	1	35	10	369	.1	307	23	2645	2.91	19	5	ND	1	39	1	2	2	24	.72	.080	5	137	1.13	219	.04	9	.97	.02	.07	1	1
4+00E 3+20S	3	35	12	419	.1	542	49	5967	6.34	20	5	ND	2	39	1	2	2	47	.60	.094	4	212	2.14	384	.03	8	1.31	.02	.08	1	2
4+00E 3+40S	1	13	8	44	.1	269	20	368	2.98	9	5	ND	2	40	1	2	2	54	.32	.032	6	122	1.01	172	.06	4	1.14	.01	.05	1	1
4+00E 3+60S	1	49	9	79	.2	2658	33	235	2.42	11	5	ND	1	37	1	2	2	36	.69	.046	8	85	1.72	122	.06	6	1.03	.02	.05	1	2
4+00E 3+80S	1	20	4	42	.1	205	15	207	2.54	5	5	ND	2	18	1	2	2	42	.37	.050	7	152	1.46	88	.10	5	1.09	.01	.05	1	1
4+50E 3+00N	1	23	7	45	.1	233	16	335	3.29	10	5	ND	4	17	1	2	2	47	.36	.046	9	196	1.89	86	.10	7	1.13	.02	.04	1	2
4+50E 2+80N	1	27	12	45	.1	257	18	359	3.44	11	5	ND	3	17	1	2	2	50	.33	.042	10	204	1.96	75	.10	7	1.18	.02	.03	1	1
4+50E 2+60N	1	25	6	47	.1	228	17	326	3.20	9	5	ND	3	15	1	2	2	48	.31	.037	9	174	1.80	109	.10	5	1.18	.02	.04	1	3
4+50E 2+40N	1	24	6	42	.1	230	17	292	3.16	11	5	ND	3	17	1	2	2	48	.34	.046	10	179	1.86	87	.10	2	1.16	.02	.03	1	3
4+50E 2+20N	1	29	5	53	.1	223	16	419	3.31	11	5	ND	3	18	1	2	2	51	.37	.055	10	166	1.68	91	.09	8	1.23	.02	.04	1	1
4+50E 2+00N	1	33	4	40	.1	261	16	277	2.88	10	5	ND	3	19	1	2	2	45	.39	.045	11	161	2.15	86	.09	3	1.10	.02	.04	1	2
4+50E 1+80N	1	26	10	49	.1	237	18	301	3.11	11	5	ND	4	21	1	2	2	49	.60	.031	10	171	1.91	105	.10	4	1.28	.02	.04	1	2
4+50E 1+60N	1	33	8	68	.1	275	21	475	3.20	12	5	ND	6	23	1	2	2	48	.68	.060	12	178	2.14	120	.10	9	1.29	.02	.06	1	1
4+50E 1+40N	1	44	14	61	.2	411	26	484	4.43	16	5	ND	12	22	1	2	2	60	.66	.054	20	281	2.78	88	.12	8	1.33	.02	.05	1	29
4+50E 1+20N	1	19	10	40	.1	156	16	272	3.26	14	5	ND	3	16	1	2	2	49	.32	.029	7	165	1.18	129	.10	9	1.19	.02	.05	1	3
4+50E 2+40S	1	17	8	96	.1	180	21	546	3.18	11	5	ND	3	19	1	2	2	44	.35	.064	7	163	1.44	166	.09	3	1.23	.02	.06	1	1
4+50E 2+60S	1	23	9	97	.1	220	26	588	3.85	14	5	ND	4	22	1	2	2	57	.41	.068	8	178	1.71	165	.10	6	1.80	.02	.09	1	2
4+50E 2+80S	1	24	7	41	.3	221	17	339	3.48	9	5	ND	3	16	1	2	2	47	.35	.071	7	200	2.04	72	.09	3	1.01	.01	.06	1	1
4+50E 3+00S	1	22	2	59	.1	176	15	320	2.71	7	5	ND	3	18	1	2	2	42	.34	.049	8	162	1.71	141	.10	5	1.20	.02	.06	1	6
4+50E 3+20S	1	20	10	58	.1	238	14	213	3.22	10	5	ND	3	17	1	2	2	50	.34	.035	7	172	2.27	91	.11	2	1.41	.02	.06	1	1
4+50E 3+40S	1	16	7	47	.2	189	15	308	3.01	7	5	ND	4	18	1	2	2	43	.38	.035	8	185	2.23	72	.10	6	1.09	.02	.05	1	1
5+00E 1+00N	1	29	7	47	.1	219	16	369	3.19	14	5	ND	3	17	1	2	2	49	.34	.040	12	165	1.75	81	.10	12	1.20	.02	.04	1	3
5+00E 0+80N	1	25	9	40	.2	206	15	248	2.89	12	5	ND	3	18	1	2	2	45	.38	.055	10	153	1.87	77	.09	6	1.01	.02	.05	1	2
5+00E 0+60N	1	26	5	40	.1	241	16	256	3.08	15	5	ND	4	19	1	2	2	48	.38	.039	11	168	2.05	64	.10	3	1.17	.02	.04	1	1
5+00E 0+40N	1	41	12	84	.1	357	26	850	3.61	15	5	ND	8	23	1	2	2	51	.63	.060	16	198	2.20	148	.10	13	1.46	.02	.08	1	14
5+00E 0+20N	1	27	3	49	.1	203	18	389	3.37	13	5	ND	3	16	1	2	2	50	.35	.035	7	171	1.66	78	.10	2	1.20	.01	.05	1	1
5+00E 0+00BL	1	39	8	54	.2	410	27	507	4.25	11	5	ND	8	26	1	4	2	54	.91	.050	16	300	3.27	72	.11	6	1.09	.02	.07	1	5
5+00E 0+20S	1	33	5	59	.2	342	24	535	3.95	12	5	ND	8	25	1	2	2	52	.83	.053	13	282	2.68	82	.11	5	1.12	.02	.06	1	3
5+00E 0+40S	1	30	6	51	.3	295	20	406	3.56	10	5	ND	6	27	1	3	2	50	1.04	.045	11	240	2.79	70	.11	4	1.06	.02	.05	1	2
5+00E 0+60S	1	23	7	56	.1	219	17	473	3.00	13	5	ND	3	23	1	2	2	45	.57	.043	8	160	1.35	118	.08	4	1.11	.01	.05	1	1
5+00E 0+80S	1	42	6	62	.3	372	25	553	3.56	12	5	ND	7	34	1	2	2	51	1.31	.058	15	198	3.17	96	.11	13	1.29	.02	.07	1	9
5+00E 1+00S	1	38	6	58	.2	370	25	486	4.02	14	5	ND	12	23	1	2	2	53	.79	.046	18	287	2.78	71	.11	18	1.13	.02	.05	1	26
5+00E 1+20S	1	31	7	73	.2	233	19	524	3.38	18	8	ND	5	19	1	2	2	52	.41	.065	10	175	1.93	110	.10	11	1.34	.02	.07	1	2
5+00E 1+40S	1	26	10	66	.1	198	18	459	3.26	13	5	ND	5	21	1	2	2	49	.45	.063	9	162	1.71	113	.09	7	1.23	.02	.08	1	1
5+00E 1+60S	1	28	14	47	.2	225	18	341	3.36	16	5	ND	4	20	1	2	2	51	.45	.056	10	175	1.97	81	.10	4	1.24	.02	.06	1	1
STD C/AU-S	19	62	40	131	7.0	70	28	1058	4.23	44	19	7	40	52	18	17	23	61	.49	.093	39	63	.90	178	.08	31	1.86	.06	.13	13	52

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU† PPB
5+00E 1+80S	2	63	3	62	.1	394	24	570	3.75	21	17	ND	5	32	1	2	2	54	.67	.068	14	163	1.92	170	.09	2	1.34	.02	.05	1	14
5+00E 2+00S	1	61	4	51	.1	301	16	401	2.91	12	14	ND	4	24	1	2	2	44	.56	.059	12	172	1.72	103	.09	8	1.22	.02	.07	1	21
5+00E 2+20S	2	49	13	79	.2	285	20	585	3.44	20	5	ND	4	23	1	2	2	51	.54	.067	12	166	1.67	114	.09	4	1.39	.02	.11	1	5
5+00E 2+40S	1	30	5	38	.1	182	13	204	2.63	14	15	ND	4	17	1	2	2	46	.38	.021	11	144	1.83	75	.10	2	1.17	.02	.04	1	6
5+00E 2+60S	1	27	8	42	.1	231	17	285	3.02	16	5	ND	4	15	1	2	2	48	.33	.019	11	158	1.72	59	.10	2	1.15	.02	.08	1	2
5+00E 2+80S	1	33	5	46	.1	309	21	490	3.15	12	5	ND	6	24	1	2	2	46	.78	.047	12	178	2.68	71	.09	5	1.04	.02	.06	1	17
5+00E 3+00S	1	33	2	49	.2	311	20	388	2.92	12	5	ND	4	26	1	2	2	44	.94	.045	13	168	3.06	93	.09	4	1.06	.02	.04	1	4
5+00E 3+20S	1	21	3	45	.1	195	16	263	3.06	13	5	ND	4	17	1	2	2	46	.37	.029	8	164	1.62	94	.09	4	1.06	.01	.05	2	17
5+00E 3+40S	1	33	4	41	.1	202	15	194	2.81	13	5	ND	4	16	1	2	2	45	.33	.032	16	154	1.74	68	.09	2	1.10	.02	.04	2	5
5+50E 0+20S	1	35	6	50	.1	284	19	402	3.11	11	5	ND	5	19	1	2	2	46	.68	.041	12	200	2.23	82	.09	7	1.02	.02	.07	1	1
5+50E 0+40S	1	40	4	53	.1	387	25	507	3.34	13	5	ND	6	34	1	3	2	47	1.59	.045	15	192	3.32	81	.10	3	1.14	.01	.05	1	5
5+50E 0+60S	1	43	5	70	.3	314	22	564	3.41	19	5	ND	6	25	1	2	2	52	.58	.056	17	162	2.59	101	.10	5	1.36	.02	.19	1	2
5+50E 0+80S	1	32	6	59	.1	261	19	478	3.01	15	5	ND	3	23	1	2	2	45	.64	.045	10	153	1.79	107	.08	2	1.10	.02	.05	1	3
5+50E 1+00S	1	30	7	43	.1	397	22	437	2.88	10	5	ND	3	23	1	3	2	37	1.10	.034	8	211	4.48	61	.08	9	.87	.02	.05	1	2
5+50E 1+20S	1	37	5	51	.1	332	23	466	3.88	12	5	ND	6	25	1	2	2	54	.86	.048	14	239	2.48	77	.11	2	1.04	.01	.05	1	245
5+50E 1+40S	1	36	6	45	.1	281	19	456	3.11	12	5	ND	5	24	1	2	2	45	.83	.037	11	190	2.27	85	.09	5	1.02	.02	.05	1	28
5+50E 1+60S	1	34	4	46	.1	286	19	424	3.35	11	5	ND	5	21	1	2	4	47	.71	.042	12	229	2.28	76	.09	6	.98	.01	.05	1	38
5+50E 1+80S	1	28	2	42	.1	317	21	386	3.22	9	5	ND	6	20	1	2	2	46	.62	.046	12	208	3.34	62	.10	4	.94	.01	.03	1	8
5+50E 2+00S	1	27	3	39	.1	268	18	461	3.30	9	5	ND	8	33	1	2	2	48	1.43	.046	12	215	2.63	67	.10	6	.89	.02	.03	1	11
5+50E 2+20S	1	34	4	51	.2	345	21	532	3.31	10	5	ND	7	31	1	2	2	49	1.17	.047	15	187	3.27	84	.10	5	1.09	.02	.04	2	34
5+50E 2+40S	2	34	4	49	.1	318	21	409	3.41	13	5	ND	5	26	1	2	2	51	1.07	.046	13	193	2.65	85	.11	4	1.11	.02	.04	1	205
5+50E 2+60S	1	30	3	49	.1	287	20	472	3.87	10	5	ND	8	26	1	2	2	55	.92	.045	13	270	2.29	84	.10	2	.98	.02	.05	1	181
5+50E 2+80S	1	27	2	42	.1	265	18	362	2.75	9	5	ND	4	23	1	2	2	43	.81	.042	10	181	2.47	69	.09	4	.93	.02	.03	1	8
5+50E 3+00S	1	35	3	48	.3	297	21	634	3.55	14	5	ND	5	29	1	2	2	54	.97	.051	12	196	2.38	95	.10	6	1.06	.02	.05	1	159
STD C/AU-S	18	61	42	130	7.2	69	28	1047	4.15	39	17	7	38	51	16	17	21	60	.48	.089	38	60	.88	176	.08	34	1.84	.06	.13	13	52

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

GEOCHEMICAL ICP ANALYSIS

MASTER
nts: Connolly Property
11. BC. 104N.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 K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

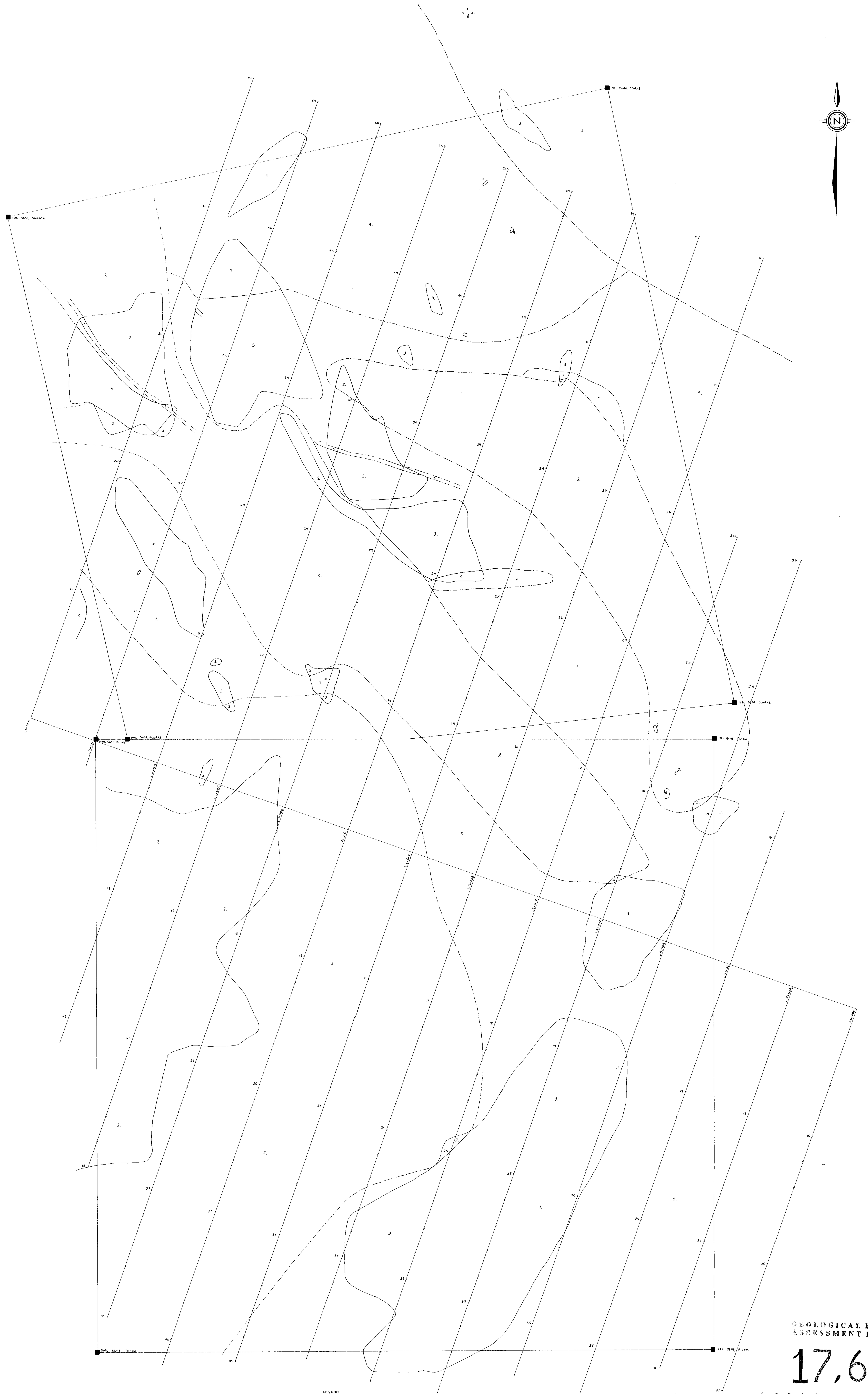
DATE RECEIVED: OCT 5 1987 DATE REPORT MAILED: Oct 15/87 ASSAYER. D. Toye .DEAN TOYE, CERTIFIED B.C. ASSAYER

HOMESTAKE MINERAL PROJECT-PC-5710 File # 87-4724 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
L1+25E 3+00N	2	29	2	121	.2	179	24	1717	3.45	3	5	ND	2	36	1	2	2	48	.63	.065	9	125	.94	312	.08	8	1.68	.02	.12	1	1
L1+25E 2+90N	1	23	2	54	.2	129	16	1040	2.95	6	5	ND	2	30	1	2	2	52	.54	.024	8	113	.88	204	.08	7	1.44	.02	.09	1	2
L1+25E 2+80N	2	47	11	295	.6	411	57	2163	5.94	96	5	ND	2	38	2	13	4	68	.40	.099	14	281	1.71	426	.07	4	1.98	.02	.13	1	23
L1+25E 2+70N	2	28	8	86	.3	156	21	1767	2.81	13	5	ND	1	28	1	4	2	36	.41	.051	7	119	.49	272	.04	3	.94	.02	.10	1	1
L1+25E 2+60N	1	19	6	127	.3	143	25	1331	3.26	6	5	ND	1	28	1	2	2	51	.49	.055	7	121	.76	254	.06	6	1.23	.01	.12	1	1
L1+50E 2+90N	3	17	5	80	.3	251	25	804	3.95	12	5	ND	2	26	1	2	4	59	.27	.036	8	275	1.47	245	.06	4	1.40	.01	.05	1	1
L1+50E 2+70N	2	52	17	466	.5	567	54	2706	6.83	249	5	ND	3	72	4	29	2	75	.75	.167	13	157	.78	451	.03	8	1.57	.01	.13	2	2
L1+75E 3+00N	2	15	6	139	.2	402	30	1147	4.36	9	5	ND	1	27	1	2	2	46	.42	.072	7	266	1.16	223	.06	6	1.21	.01	.08	1	1
L1+75E 2+90N	2	24	9	82	.3	176	26	1025	3.84	5	5	ND	2	26	1	2	2	60	.44	.039	7	199	1.25	210	.06	6	1.34	.01	.08	1	1
L1+75E 2+80N	4	24	9	119	.2	246	24	928	4.10	15	5	ND	2	27	1	2	2	61	.36	.084	9	144	1.24	208	.05	3	1.65	.01	.06	1	5
L1+75E 2+70N	2	49	16	257	.6	234	23	1430	4.79	127	5	ND	2	94	2	11	3	46	.94	.143	10	110	.73	360	.02	4	1.39	.01	.08	2	31
L1+75E 2+60N	3	37	8	95	.1	274	37	1872	3.41	7	5	ND	1	49	1	2	2	42	.75	.090	8	183	1.31	279	.04	8	1.11	.01	.09	1	2
L2+25E 4+00N	2	18	4	46	.2	103	16	448	3.15	14	5	ND	2	19	1	2	2	63	.39	.027	7	109	1.08	98	.09	4	1.64	.03	.14	1	2
L2+25E 3+90N	2	26	6	51	.1	142	16	406	3.33	6	5	ND	2	20	1	2	2	61	.34	.017	8	115	1.05	123	.08	4	1.65	.02	.06	1	1
L2+25E 3+80N	2	15	5	52	.1	22	6	253	2.25	6	5	ND	3	25	1	2	2	29	.30	.046	25	30	.21	195	.01	2	1.15	.01	.05	1	2
L2+25E 3+70N	2	19	2	67	.1	139	18	1040	2.92	2	5	ND	3	25	1	2	2	49	.40	.026	8	117	.95	255	.08	8	1.66	.01	.07	1	1
L2+25E 3+60N	1	13	5	64	.2	307	29	944	3.75	4	5	ND	2	22	1	2	2	47	.35	.042	7	224	1.17	168	.05	5	1.29	.01	.06	1	1
L2+50E 3+90N	1	22	5	109	.1	133	19	1346	2.65	5	5	ND	2	32	1	3	2	42	.54	.047	7	139	.97	300	.07	2	1.39	.02	.07	1	1
L2+50E 3+70N	1	15	7	59	.1	160	17	490	2.98	4	5	ND	1	17	1	2	2	49	.35	.042	7	167	1.19	119	.08	3	1.42	.01	.09	1	11
L2+75E 3+90N	2	15	7	122	.1	113	17	2163	2.46	2	5	ND	1	18	1	2	2	36	.36	.066	6	128	.88	239	.06	6	1.23	.02	.13	1	1
L2+75E 3+80N	2	15	3	110	.1	161	21	913	3.26	3	5	ND	2	16	1	2	3	48	.34	.058	6	198	1.27	146	.08	4	1.35	.02	.07	1	1
L2+75E 3+70N	1	23	6	108	.1	110	16	479	3.13	5	5	ND	3	23	1	2	2	58	.40	.060	8	135	1.01	115	.09	2	1.62	.02	.06	2	12
L2+75E 3+60N	1	7	4	60	.1	100	12	381	2.34	2	5	ND	2	15	1	2	2	37	.31	.037	6	154	.92	99	.08	2	.95	.01	.05	1	2
L2+75E 2+70N	1	14	4	47	.1	116	18	622	2.67	2	5	ND	2	27	1	2	2	39	.51	.038	6	142	1.11	113	.07	4	1.06	.01	.12	2	1
L2+75E 2+60N	1	15	7	51	.1	152	24	718	2.58	6	5	ND	1	38	1	2	2	39	.74	.038	6	141	1.31	111	.06	5	1.22	.02	.09	1	1
L2+75E 2+50N	1	32	6	151	.1	159	19	1276	2.10	5	5	ND	1	34	2	2	2	31	.58	.036	6	117	1.18	134	.06	4	1.08	.02	.10	1	1
L3+00E 2+70N	2	15	8	92	.1	189	21	530	3.43	2	5	ND	2	15	1	2	2	49	.30	.078	6	198	1.54	112	.07	2	1.37	.02	.07	1	1
L3+00E 2+50N	1	40	5	202	.4	210	20	1372	2.46	2	5	ND	1	34	2	2	2	31	.61	.056	7	151	1.54	145	.06	6	1.18	.02	.08	2	15
L3+25E 3+30N	1	10	6	66	.1	111	15	719	2.63	2	5	ND	2	16	1	2	2	44	.31	.034	7	146	.97	131	.08	2	1.28	.01	.09	1	6
L3+25E 3+20N	1	9	7	68	.1	114	13	417	2.66	3	5	ND	1	15	1	2	2	46	.33	.023	6	147	.93	138	.08	2	1.29	.01	.06	1	1
L3+25E 3+10N	1	12	7	58	.1	124	17	493	2.77	3	5	ND	2	16	1	2	2	46	.32	.020	7	154	1.12	121	.09	4	1.26	.02	.07	1	5
L3+25E 3+00N	2	46	7	72	.1	49	12	500	3.41	11	5	ND	1	41	1	2	2	73	.43	.049	9	65	.68	105	.11	5	1.90	.02	.07	1	1
L3+25E 2+90N	2	36	10	78	.2	59	12	683	3.17	11	5	ND	2	46	1	3	2	65	.41	.055	14	63	.54	114	.11	4	1.86	.02	.08	1	1
L3+25E 2+80N	2	16	11	113	.1	137	20	864	3.25	5	5	ND	2	16	1	2	2	53	.28	.047	7	152	1.08	187	.08	2	1.74	.01	.08	1	1
L3+25E 2+70N	1	13	5	51	.1	130	15	506	2.62	3	5	ND	3	17	1	2	2	43	.32	.039	7	160	1.14	120	.08	2	1.16	.01	.09	1	2
L3+25E 2+60N	1	15	2	57	.1	169	18	644	2.78	4	5	ND	2	16	1	2	2	42	.29	.049	7	184	1.39	90	.07	3	1.14	.01	.07	1	1
STD C/AU-S	20	58	41	131	7.5	72	27	1189	4.08	41	18	8	39	52	19	18	20	59	.48	.091	40	62	.90	179	.07	34	1.89	.06	.14	13	52

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+25E 2+50N	1	16	8	95	.1	120	15	647	2.51	2	5	ND	2	24	1	2	2	38	.41	.042	7	129	1.22	135	.08	5	1.38	.02	.10	1	32
L3+50E 3+10N	1	16	4	154	.1	178	24	705	3.80	6	5	ND	3	20	1	2	2	57	.39	.080	7	199	1.49	209	.08	6	1.61	.02	.12	1	1
L3+50E 2+90N	2	17	4	47	.1	171	20	501	3.34	4	5	ND	2	20	1	2	2	47	.41	.049	7	201	1.49	85	.08	5	1.13	.02	.09	1	160
L3+50E 2+70N	1	13	7	65	.1	119	18	407	2.82	2	5	ND	2	19	1	2	2	48	.37	.035	7	139	1.15	107	.08	4	1.38	.02	.10	1	1
L3+50E 2+50N	2	26	6	66	.1	198	22	441	3.67	7	5	ND	3	29	1	2	2	58	.51	.046	8	199	1.58	126	.08	7	1.45	.02	.08	1	1
L3+75E 3+00N	2	46	8	74	.2	389	24	664	3.34	10	5	ND	1	42	1	2	2	52	.82	.052	9	176	1.51	140	.07	4	1.47	.02	.09	4	1
L3+75E 2+90N	1	56	9	48	.1	302	14	273	2.75	3	5	ND	3	30	1	2	2	38	.58	.016	9	161	1.92	106	.08	6	1.43	.02	.07	1	1
L3+75E 2+80N	1	33	4	46	.3	247	15	251	2.70	4	5	ND	3	23	1	2	2	42	.48	.021	10	152	2.02	102	.08	4	1.24	.02	.05	1	1
L3+75E 2+70N	1	53	11	53	.2	276	12	235	2.17	4	5	ND	2	33	1	2	2	33	.70	.053	8	134	2.00	83	.05	7	1.03	.02	.05	1	3
L3+75E 2+60N	1	29	5	52	.1	197	17	286	2.85	5	5	ND	2	25	1	2	2	46	.49	.030	10	147	1.90	113	.08	7	1.28	.02	.05	1	1
L3+75E 2+50N	1	24	5	60	.2	194	17	269	2.87	3	5	ND	2	21	1	2	2	53	.38	.038	9	169	1.76	122	.09	7	1.69	.02	.06	1	6
L3+75E 2+40N	1	27	3	45	.1	182	17	304	2.84	3	5	ND	2	21	1	2	2	51	.37	.039	9	163	1.55	164	.08	4	1.49	.02	.05	1	3
L3+75E 2+30N	2	87	11	82	.2	413	29	245	3.80	9	5	ND	3	32	1	2	2	64	.59	.047	14	179	2.30	146	.08	6	1.63	.03	.05	1	2
L4+00E 2+70N	1	26	2	59	.2	172	16	466	2.71	5	5	ND	2	31	1	2	2	39	.59	.045	9	141	1.38	193	.07	5	1.22	.02	.08	1	1
L4+00E 2+50N	1	45	7	43	.1	295	17	451	3.61	14	5	ND	1	39	1	2	2	42	.77	.053	9	124	1.87	141	.05	4	.95	.02	.04	1	1
L4+25E 2+70N	2	17	7	44	.1	166	17	368	2.65	4	5	ND	4	17	1	3	2	47	.30	.046	7	139	1.36	156	.07	6	1.33	.01	.04	1	1
L4+25E 2+60N	2	12	2	43	.1	120	13	334	2.23	2	5	ND	2	14	1	2	2	38	.27	.040	6	120	1.20	124	.06	4	1.02	.01	.05	1	1
L4+25E 2+50N	2	22	2	61	.1	196	20	438	2.94	5	5	ND	2	22	1	2	2	46	.38	.046	8	161	1.63	152	.07	2	1.31	.02	.07	1	3
L4+25E 2+40N	1	19	9	56	.1	174	17	440	2.74	4	5	ND	3	19	1	2	2	45	.34	.041	8	143	1.44	137	.07	9	1.22	.02	.04	1	2
L4+25E 2+30N	2	22	8	58	.2	195	20	480	3.05	8	5	ND	2	22	1	2	2	48	.40	.048	8	148	1.63	142	.07	5	1.36	.02	.06	1	6
L4+25E 2+20N	1	29	10	50	.1	182	15	382	2.64	6	5	ND	4	22	1	2	2	39	.46	.023	9	143	1.60	100	.08	7	1.28	.02	.07	1	1
L5+00E 5+00N	2	17	5	53	.1	169	18	419	3.47	6	5	ND	2	17	1	2	2	50	.36	.022	7	227	1.18	88	.09	4	1.08	.01	.08	1	35
L5+00E 4+80N	2	25	4	67	.1	218	20	520	3.13	9	5	ND	4	18	1	2	2	48	.32	.045	10	188	1.67	123	.08	3	1.20	.02	.06	1	3
L5+00E 4+60N	1	22	5	40	.8	181	16	300	2.92	6	5	ND	3	18	1	2	2	47	.35	.023	11	168	1.32	99	.09	6	1.10	.02	.07	1	48
L5+00E 4+40N	2	19	5	57	.1	169	18	436	3.02	7	5	ND	3	17	1	2	2	47	.32	.044	8	170	1.41	112	.08	5	1.12	.01	.05	1	1
L5+00E 4+20N	2	27	8	107	.1	220	24	674	3.84	11	5	ND	4	18	1	2	2	58	.35	.062	9	226	1.71	157	.08	7	1.40	.02	.05	1	2
L5+00E 4+00N	2	18	4	57	.1	162	16	372	2.84	3	5	ND	3	16	1	2	2	43	.30	.029	8	166	1.32	121	.08	3	1.05	.01	.05	1	1
L5+00E 3+80N	2	23	5	63	.1	201	18	608	3.10	7	5	ND	4	19	1	2	3	49	.34	.038	10	181	1.57	149	.09	5	1.25	.02	.07	1	7
L5+00E 3+60N	2	25	7	70	.1	248	22	505	3.47	9	5	ND	3	20	1	2	2	54	.34	.046	10	205	1.99	139	.09	8	1.42	.02	.08	1	16
L5+00E 3+40N	1	43	14	58	.1	411	28	587	3.50	11	5	ND	8	33	1	2	2	55	1.09	.046	18	235	3.39	105	.10	6	1.47	.02	.06	1	2
L5+00E 3+20N	2	33	10	59	.1	315	25	455	4.61	7	5	ND	9	20	1	2	9	64	.51	.045	18	431	1.87	107	.09	8	1.19	.02	.06	3	60
L5+00E 3+00N	2	23	5	57	.1	204	19	378	3.39	12	5	ND	4	18	1	2	2	56	.37	.041	12	197	1.65	95	.09	2	1.34	.02	.06	1	15
L5+00E 2+80N	2	25	7	52	.1	188	18	422	3.23	9	5	ND	4	18	1	2	2	52	.37	.041	10	187	1.68	106	.09	5	1.25	.02	.06	1	26
L5+00E 2+60N	2	26	10	49	.1	203	20	451	3.10	10	5	ND	4	19	1	2	2	50	.36	.046	10	161	1.80	126	.09	4	1.31	.02	.06	1	28
L5+00E 2+40N	1	25	6	44	.1	180	15	315	2.56	9	5	ND	2	15	1	2	2	41	.28	.039	9	137	1.61	80	.07	8	1.05	.01	.05	1	2
L5+00E 2+20N	1	28	9	43	.1	206	16	350	2.72	12	5	ND	4	17	1	2	2	43	.32	.034	11	147	1.73	99	.08	7	1.09	.02	.04	1	3
STD C/AU-S	20	61	41	133	7.3	69	29	1093	4.08	39	16	8	40	53	19	18	20	61	.48	.095	40	58	.91	182	.07	39	1.87	.06	.14	13	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
L5E 2+00N	1	25	7	42	.1	198	16	276	3.04	7	5	ND	4	18	1	2	2	49	.41	.040	10	189	1.85	82	.09	5	1.12	.02	.04	2	3
L5E 1+80N	1	28	6	54	.1	226	17	377	3.24	9	5	ND	3	20	1	2	2	50	.43	.053	12	209	1.86	109	.09	4	1.14	.02	.05	1	14
L5E 1+60N	1	27	7	49	.1	186	17	343	3.03	9	5	ND	2	19	1	2	3	49	.35	.054	10	177	1.83	129	.08	8	1.21	.02	.04	1	1
L5E 1+40N	1	26	9	41	.2	203	15	208	2.08	4	5	ND	3	20	1	2	2	41	.38	.041	9	155	1.86	82	.08	7	1.04	.02	.04	1	5
L5E 1+20N	1	36	7	61	.1	245	19	503	3.22	9	5	ND	3	23	1	2	2	51	.41	.053	12	186	2.11	165	.09	3	1.30	.02	.04	1	1
STD C/AU-S	18	61	40	130	7.4	70	28	1069	4.08	42	21	8	39	53	18	18	21	59	.48	.089	40	62	.90	176	.07	36	1.79	.06	.14	12	49



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

0 10 20 30 40 60 80 100 (METERS)

SCALE 1:1000

LEGEND

LITHOLOGIES

1. BASALT
2. SERPENTINITE (ALTERED ULTRAMAFIC INTRUSIVE)
3. COMPLETELY ALTERED ROCK (SILICA-CARBONATE-MARIPOSITE ALTERED ULTRAMAFIC INTRUSIVE)
4. MAFIC INTRUSIVE 4a. DIABASE 4b. GABBRO
5. FELDSPAR PORPHYRY
6. SYENITE
7. DIORITE
8. GREENSTONE
9. ANDESITE 9a. HORNBLENDE 9b. FELDSPAR PORPHYRY
10. PYROXENITE
11. GRAPHITIC CHERT
12. ARGILLITE

GEOLOGICAL CONTACT (OBSERVED/ASSUMED)
SCHISTOSITY
BEDDING
QUARTZ VEIN
BRECCIATION
FAULT

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY

GEOLOGY
(AS TRANSFERRED TO CUT GRID)

DRAWN	DATE	FILE CODE	
REVISED			

LEGEND

LITHOLOGIES

1. BASALT
2. SERPENTINITE (ALTERED ULTRAMAFIC INTRUSIVE)
3. COMPLETELY ALTERED ROCK (SILICA-CARBONATE-MARIPOSITE ALTERED ULTRAMAFIC INTRUSIVE)
4. MAFIC INTRUSIVE 4a. DIABASE 4b. GABBRO
5. FELDSPAR PORPHYRY
6. SYENITE
7. DIORITE
8. GREENSTONE
9. ANDESITE 9a. HORNBLENDE 9b. FELDSPAR PORPHYRY
10. PYROXENITE
11. GRAPHITIC CHERT
12. ARGILLITE

GEOLOGICAL CONTACT (OBSERVED/ASSUMED)
70° SCHISTOSITY
70° BEDDING
30° QUARTZ VEIN
BRECCIATION
FAULT
■ BR-36001 (5) 2M² RANDOM SAMPLE POINT (WITH Au ASSAY IN PPB)
× BR-36002 (5) SAMPLE POINT (WITH Au ASSAY IN PPB)
ROAD
TRAIL
TOPOGRAPHIC/GEOMORPHOLOGICAL FEATURE

0 20m 40m 60m 80m 100m
1:1000

ASSOCIATED TRACE ELEMENT GEOCHEMICAL RESULTS (PPM)

SAMPLE NO.	Ag	As	Sb	Pb	Cu	Zn	ANOMALY RATING.
BR-36001	0.1	2	2	2	46	17	
" 36002	0.1	43	2	2	2	14	
" 36003	0.1	10	2	2	26	40	
" 36004	0.1	221	4	2	4	14	
" 36005	0.3	48	2	11	5	32	
" 36006	0.1	81	12	6	8	27	
" 36007	0.3	16	2	4	3	4	
" 36008	39.4	171	6	480	36	41	
" 36009	2.1	239	78	33	22	11	
" 36010	0.1	36	14	2	45	11	
" 36011	0.1	19	8	5	3	8	
" 36012	1.3	192	26	2	5	6	
" 36013	0.1	2	2	2	2	47	
" 36014	0.3	51	4	2	42	15	
" 36015	0.3	318	8	3	4	7	
" 36016	1.0	639	15	55	4	15	
" 36017	0.1	52	16	3	4	13	
" 36018	0.1	163	51	2	19	11	
" 36019	0.2	32	2	3	3	13	
" 36020	0.1	27	2	2	9	9	
" 36021	0.1	57	3	6	12	12	
" 36022	0.1	19	6	2	9	9	
" 36023	0.1	5	3	2	9	15	
" 36024	0.1	12	6	2	5	7	
" 36025	0.1	4	3	2	3	5	
" 36026	0.1	37	4	2	5	11	
" 36027	0.1	2	2	2	1	14	
" 36028	0.7	208	7	2	3	7	
" 36029	0.1	163	10	2	6	9	
" 36030	0.1	9	2	2	3	15	
" 36031	0.1	62	8	2	3	11	
" 36032	0.1	55	17	8	5	10	
" 36033	1.3	148	10	2	6	6	
" 36034	2.5	1070	31	3	6	9	
" 36035	0.4	28	6	2	9	4	
" 36036	1.2	239	20	2	6	5	
" 36037	0.1	49	9	2	5	3	
" 36041	0.1	12	2	2	39	10	
" 36042	0.1	5	2	2	2	14	
" 36043	0.1	6	2	3	3	6	
" 36098	0.1	4	2	2	8	19	
" 36099	0.1	2	2	6	5	18	
" 36100	0.2	5	3	4	5	16	
" 36101	0.2	8	2	3	4	18	
" 36102	0.1	9	2	6	3	7	
" 36103	0.1	15	2	4	5	22	
" 36104	0.1	2	2	2	5	19	
" 36105	0.2	18	4	5	8	20	
" 36106	0.4	450	87	5	5	15	
" 36107	1.5	142	35	2	4	7	
" 36108	0.2	100	23	5	16	10	
" 36109	0.1	6	2	4	1	18	
" 36110	2.3	101	10	6	2	16	
" 36111	0.1	46	9	2	10	12	
" 36119	11.2	146	11	5	4	9	
" 36120	0.1	9	2	2	4	16	
" 36121	0.1	26	4	3	4	16	
" 36122	0.4	71	3	7	10	12	
" 36123	0.1	115	3	4	37	14	
" 36124	0.1	79	24	2	1	7	
" 36125	0.2	95	36	3	6	12	
" 36126	0.1	100	26	10	7	6	
" 36127	0.2	7	5	2	81	21	
" 36128	0.1	30	7	3	7	11	
" 36129	0.1	20	5	8	10	15	
" 36130	0.1	13	4	2	18	17	
" 36131	0.1	16	2	2	18	15	
" 36132	0.1	71	11	2	18	18	
" 36133	0.1	14	2	6	5	17	
" 36134	0.1	20	2	2	32	19	
" 36135	0.1	19	3	8	95	20	
" 36136	0.2	128	2	2	10	23	
" 36137	0.1	12	6	2	48	18	
" 36138	0.1	23	5	7	40	34	
" 36139	0.1	13	2	2	6	13	
" 36140	0.1	18	2	3	5	20	
" 36141	0.1	3	2	2	3	16	
" 36142	0.1	13	2	7	9	23	
" 36143	0.1	4	2	2	3	17	
" 36144	0.1	3	2	2	7	23	
" 36145	0.1	3	6	2	8	20	
" 36146	0.1	28	7	9	4	23	
" 36147	0.5	337	55	7	16	20	
" 36148	0.1	246	20	8	7	23	
" 36149	0.1	17	6	3	8	15	
" 36150	0.9	14	2	8	8	27	
" 36151	0.4	162	47	2	19	13	
" 36152	0.3	29	2	4	15	19	
" 36153	0.1	11	7	3	16	22	
" 36154	0.1	12	3	8	35	17	
" 36155	0.1	9	7	2	3	18	
" 36166	0.1	102	2	10	155	43	
" 36157	0.1	340	87	4	13	13	
" 36158	0.2	91	19	4	12	6	
" 36159	0.1	81	24	2	6	9	
" 36160	0.3	245	34	3	8	8	
" 36161	0.2	149	8	3	6	11	
" 36162	0.5	11	2	8	12	24	

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY

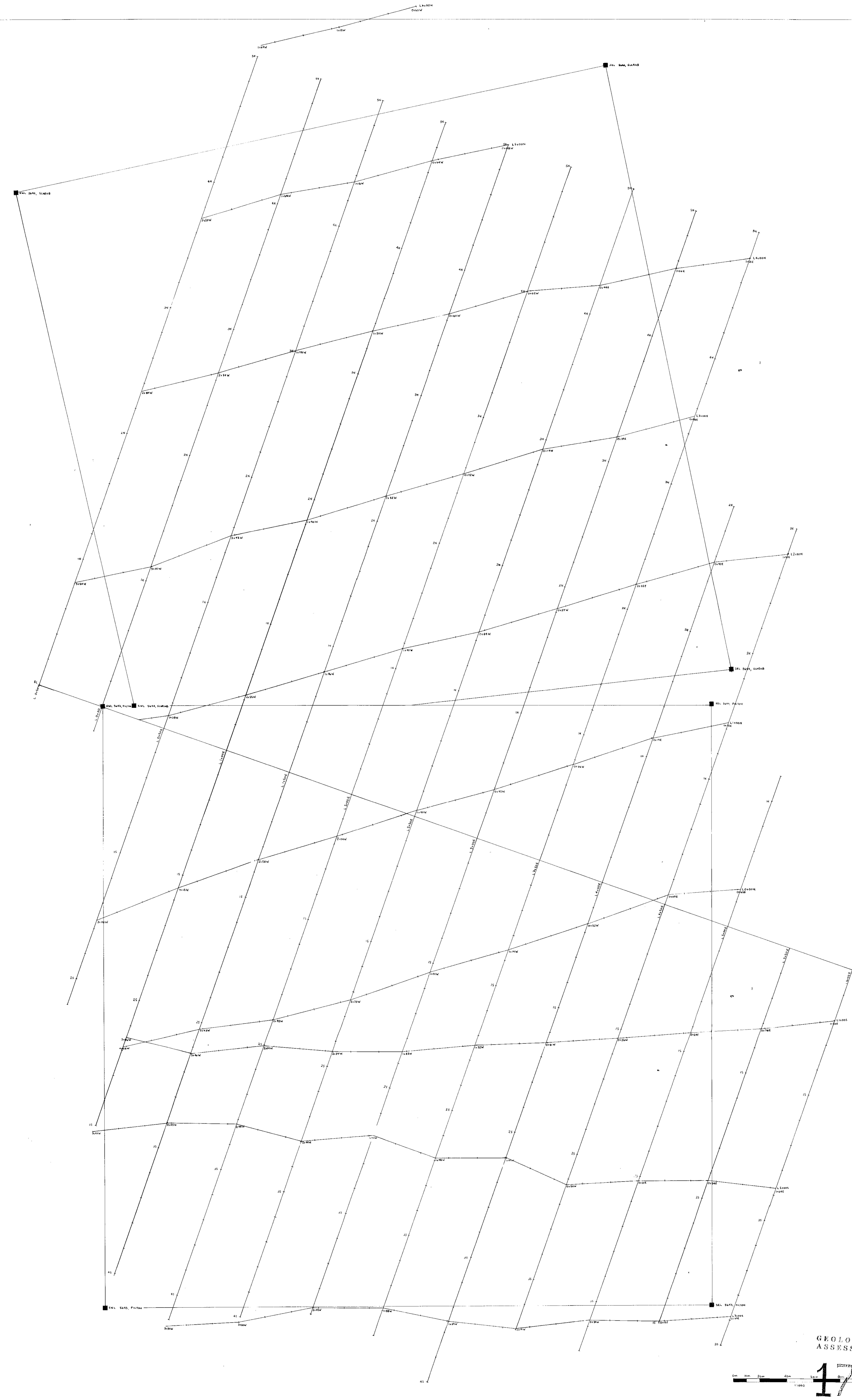
GEOLOGY

WITH SAMPLE LOCATIONS,

GOLD AND TRACE ELEMENT GEOCHEMISTRY

DRAWN	DATE	FILE CODE	
REVISED			

Appendix 2



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY

REVISED GRID MAP

DRAWN	DATE	FILE CODE
REVISED		

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY : MAIN SHOWING

GEOLOGY AND GOLD GEOCHEMISTRY
WITH ROTARY DRILL HOLE LOCATIONS

DRAWN	DATE	FILE CODE
D. McL	01/88	

Revised

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY : MAIN SHOWING

GEOLOGY WITH GOLD AND TRACE ELEMENT GEOCHEMISTRY

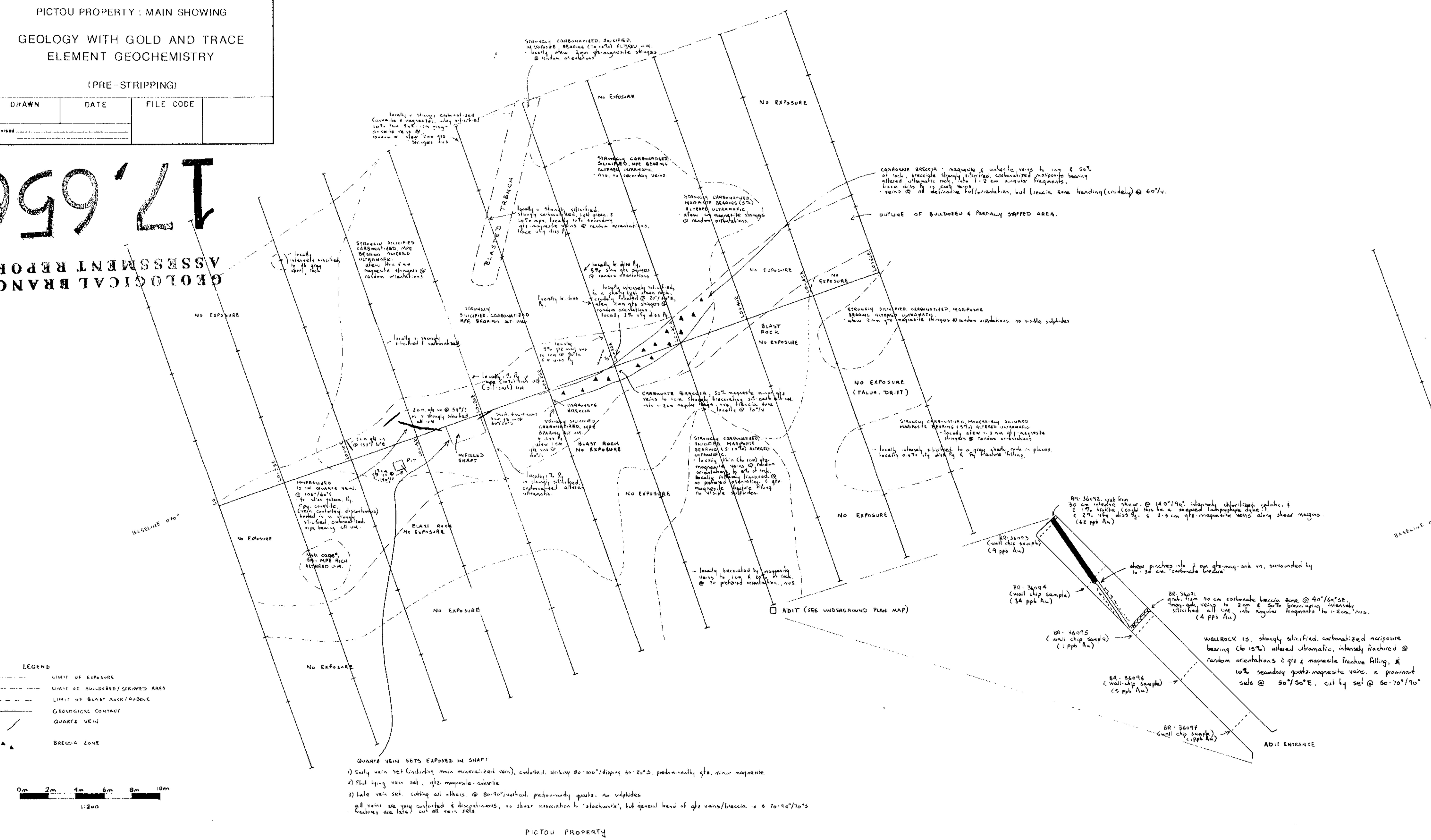
(PRE-STRIPPING)

DRAWN	DATE	FILE CODE

Revised

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656



PICTOU PROPERTY
NUMBER ONE SHOWING
GEOLOGY

PICTOU PROPERTY
NUMBER ONE SHOWING
SAMPLE LOCATIONS AND ASSAY RESULTS (Au. in PPB)

ASSOCIATED TRACE ELEMENT GEOCHEMICAL RESULTS
(ALL VALUES QUOTED IN PPM)

SAMPLE NO.	Ag	As	Sb	Pb	Cu	Zn
BR-36038	0.1	35	3	5	12	18
" 36039	0.1	8	2	6	11	20
" 36040	0.1	10	3	6	11	19
" 36044	278.0	760	974	659	1197	199
" 36045	0.7	56	3	4	4	19
" 36046	3.3	22	6	12	18	15
" 36047	0.2	2	2	12	47	38
" 36048	0.3	9	3	2	9	11
" 36049	0.3	11	3	4	5	12
" 36050	8.9	270	23	13	20	17
" 36051	3.1	713	26	6	9	13
" 36052	2.3	518	13	6	18	13
" 36053	0.4	74	4	5	7	13
" 36054	0.2	39	3	2	5	13
" 36055	0.2	60	3	5	3	13
" 36056	0.4	130	9	2	28	16
" 36057	0.1	43	4	3	7	12
" 36058	0.1	25	2	3	6	13
" 36059	0.3	86	10	12	26	9
" 36060	3.0	31	6	6	6	19
" 36061	0.1	53	3	6	29	21
" 36062	0.1	7	2	8	6	23
" 36063	0.1	7	2	2	6	24
" 36064	0.1	8	2	3	3	15
" 36065	0.1	15	2	6	3	15
" 36066	0.3	151	7	2	4	13
" 36067	0.2	79	4	5	4	16
" 36068	0.1	36	3	3	7	11
" 36069	0.2	14	2	3	6	10
" 36070	0.9	18	4	2	7	11
" 36071	0.3	21	3	2	8	20
" 36072	0.1	15	5	2	8	11
" 36073	0.3	76	5	2	4	12
" 36074	0.2	11	2	3	4	13
" 36075	1.5	258	7	2	14	22
" 36076	10.5	234	23	19	49	37
" 36077	2.7	301	6	12	16	37
" 36078	0.7	56	5	2	6	13
" 36079	0.4	84	3	7	5	14
" 36080	0.5	24	3	4	4	14
" 36081	0.3	10	2	2	4	15
" 36082	1.8	30	5	3	8	12
" 36083	0.1	25	2	2	5	14
" 36084	0.2	82	9	4	8	10
" 36085	359.1	243	48	283	313	60
" 36086	0.4	67	2	4	4	11
" 36087	0.8	112	4	2	7	12
" 36088	1.0	81	5	3	4	13
" 36089	0.4	92	6	9	7	11
" 36090	0.4	14	2	3	3	10
" 36091	0.1	14	5	2	6	7
" 36092	2.0	10	2	12	57	63
" 36093	0.2	8	2	5	16	36
" 36094	0.5	10	2	14	24	27
" 36095	0.2	16	2	10	19	10
" 36096	0.1	7	2	8	10	15
" 36097	0.1	9	4	6	10	17
" 36112	6.7	197	13	5	13	14
" 36113	19.9	512	40	28	34	12
" 36114	0.5	44	2	5	36	16
" 36115	0.5	66	2	6	6	7
" 36116	0.1	85	8	5	2	12
" 36117	0.2	53	11	9	2	13
" 36118	0.3	228	12	7	4	12

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY : MAIN SHOWING

TRACE ELEMENT GEOCHEMISTRY

DRAWN	DATE	FILE CODE
Revised		

0m 10m 20m 30m 40m 60m

1:1000

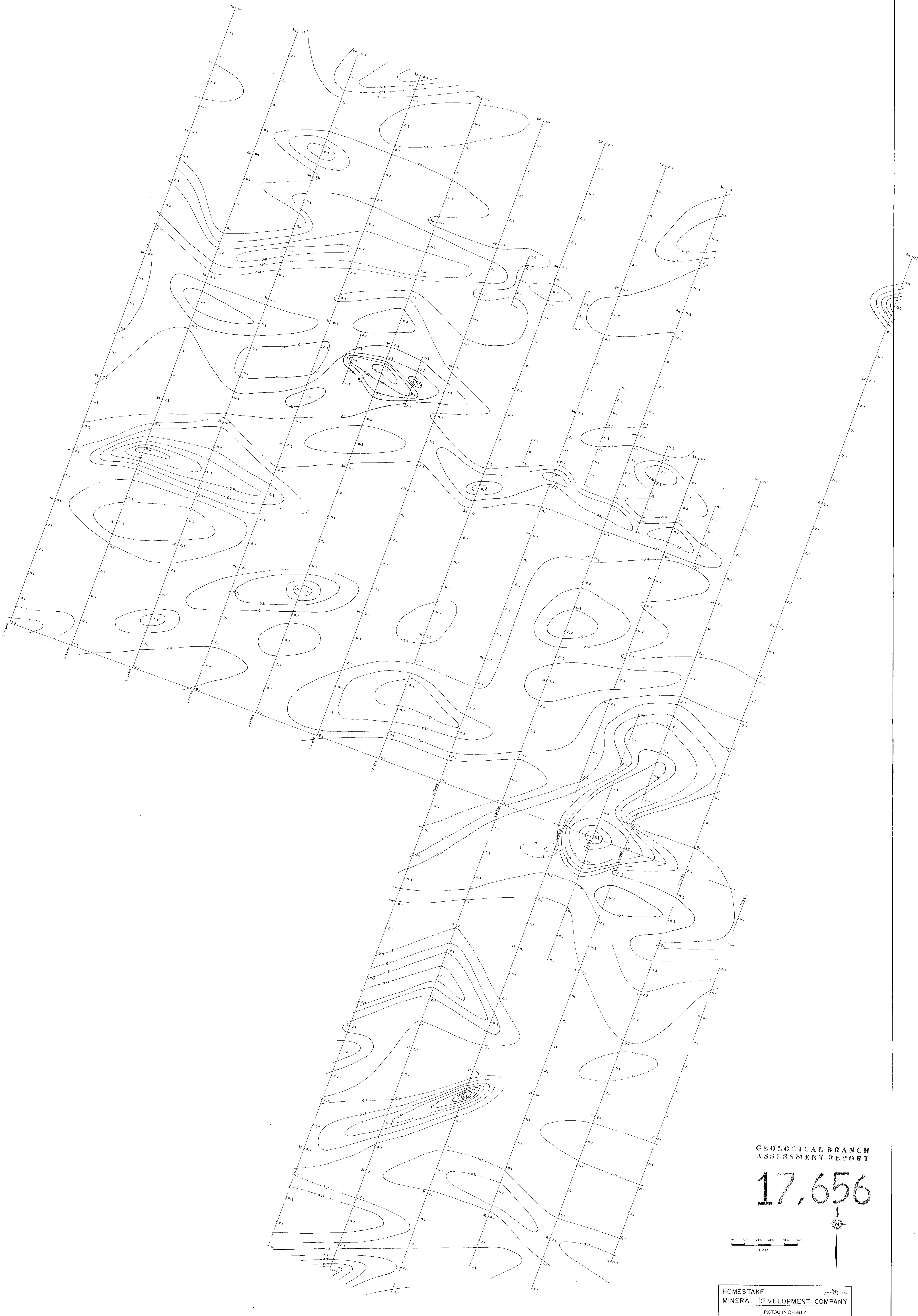
HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY

SOIL GEOCHEMISTRY (AU)

ALL VALUES IN PPB

DRAWN	DATE	FILE CODE	
Revised			

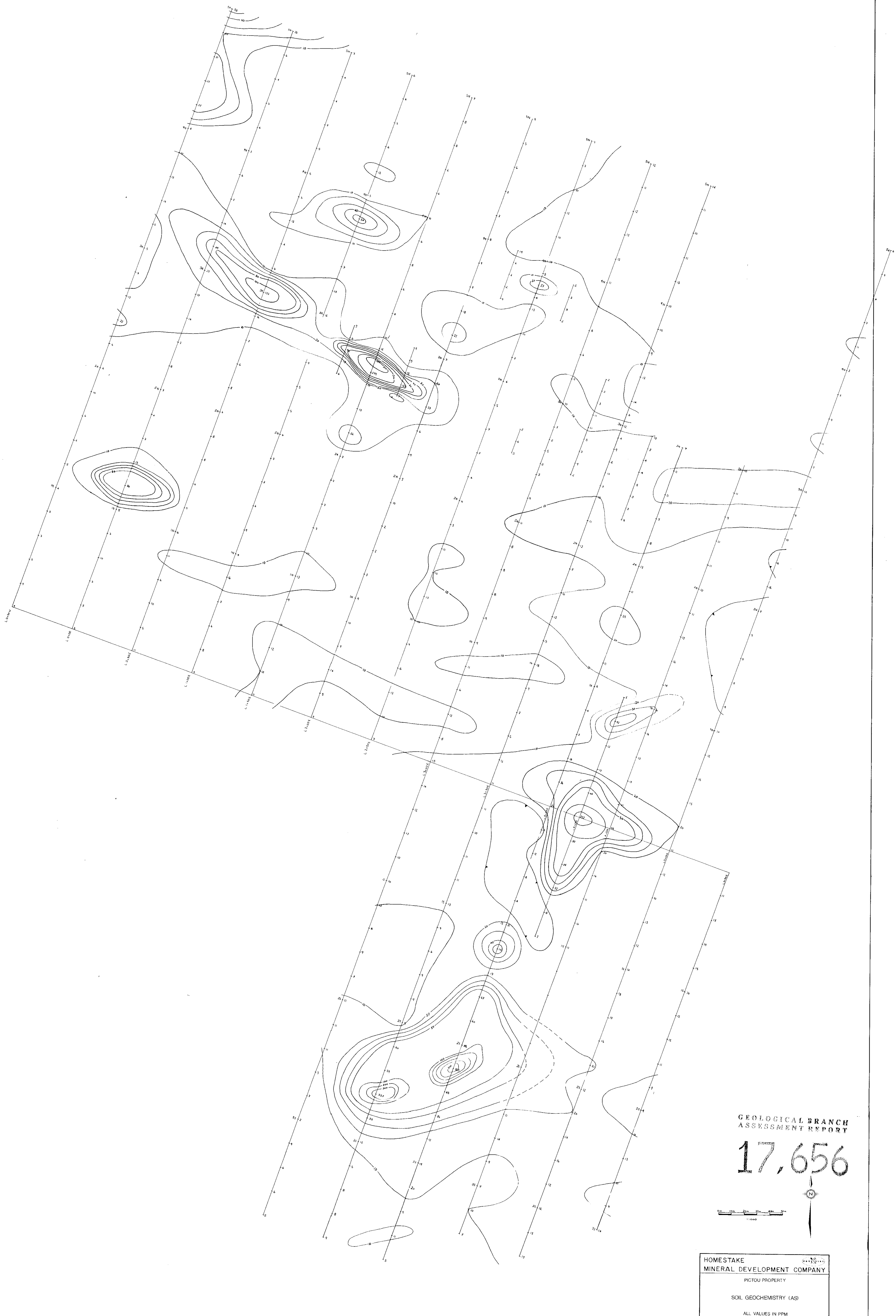


GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

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

HOMESTAKE MINERAL DEVELOPMENT COMPANY			
PICTOU PROPERTY			
SOIL GEOCHEMISTRY (AG)			
ALL VALUES IN PPM			
DRAWN	DATE	FILE CODE	
Revised			



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

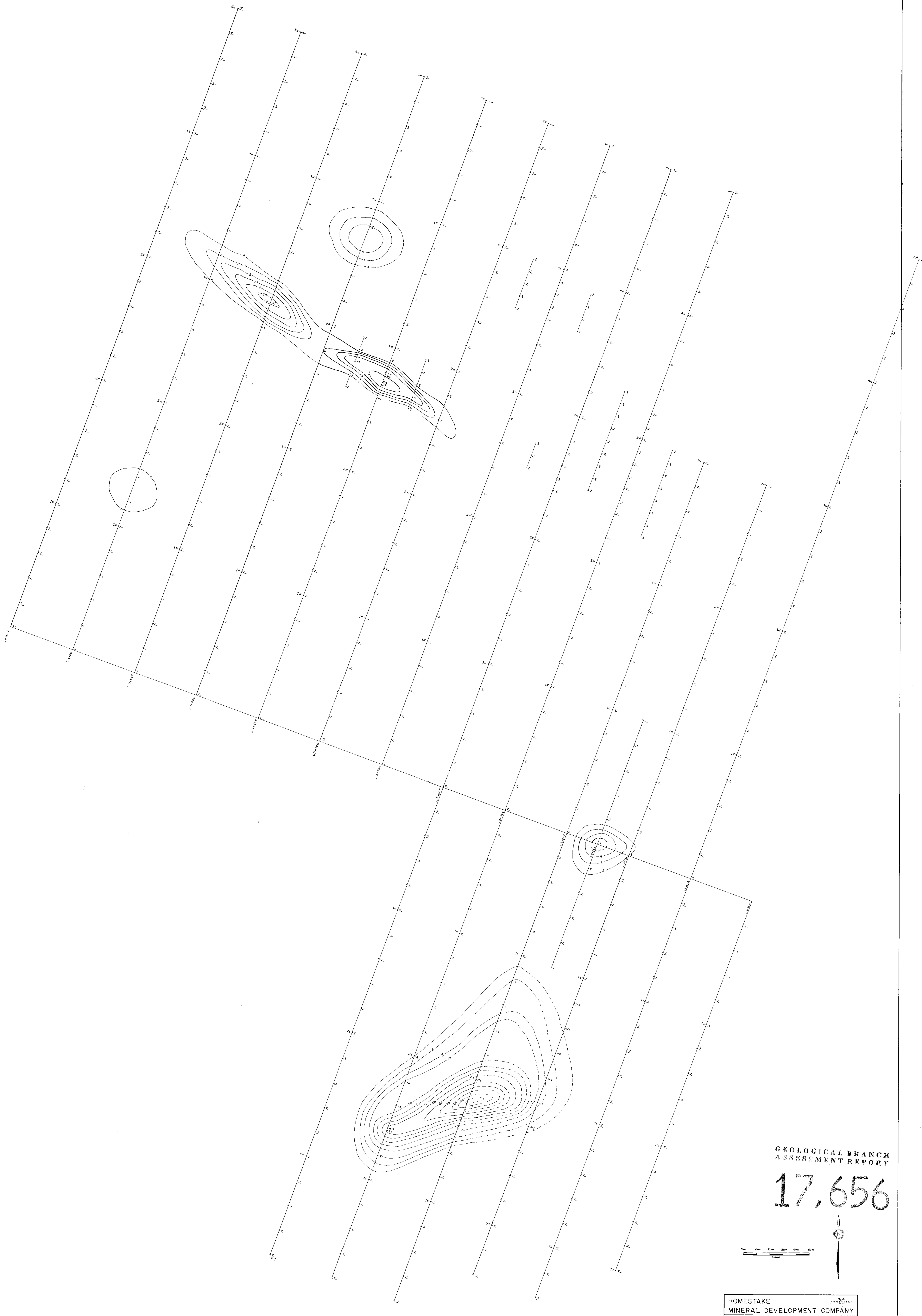
PICTOU PROPERTY

SOIL GEOCHEMISTRY (AS)

ALL VALUES IN PPM

DRAWN	DATE	FILE CODE

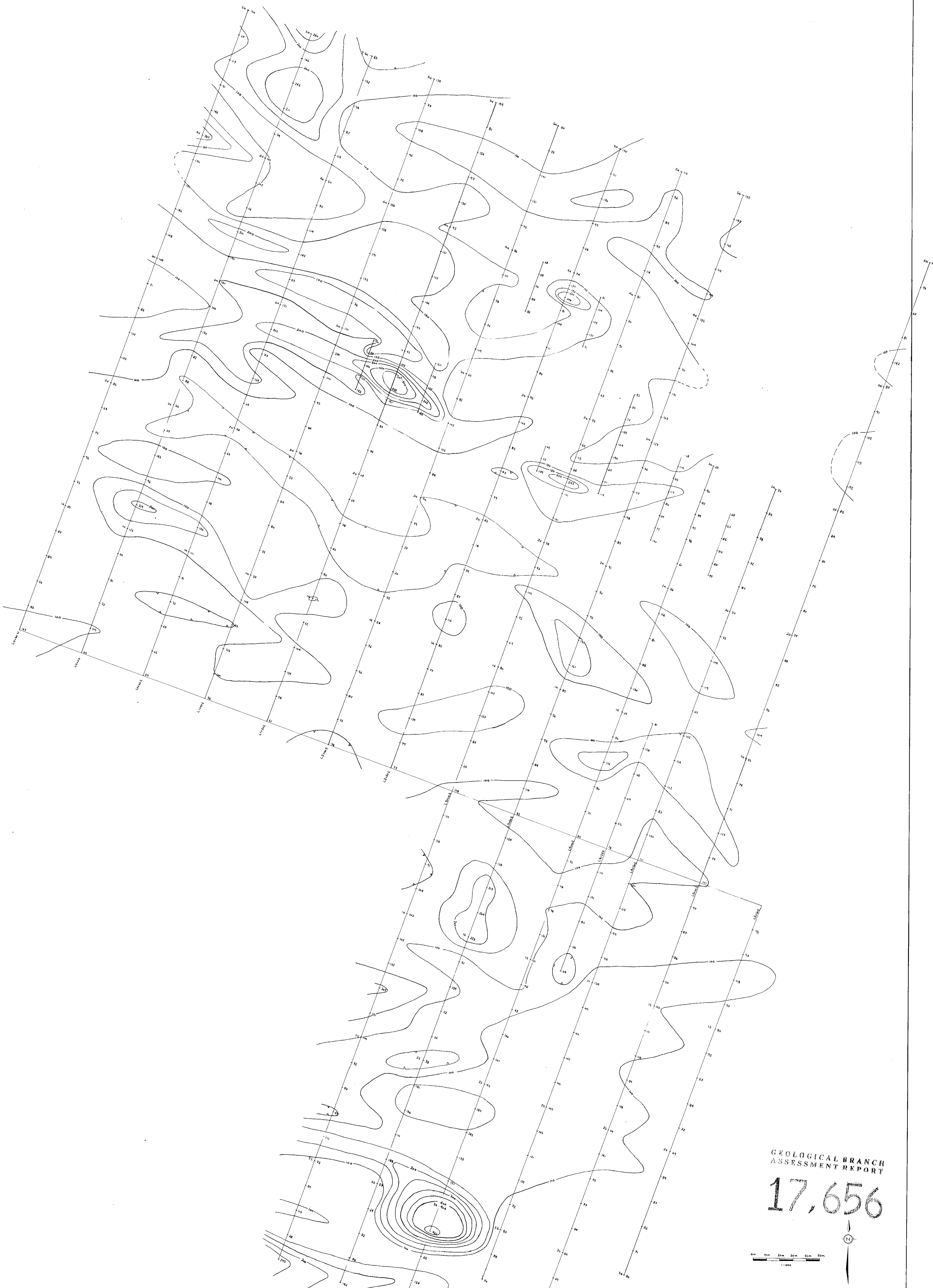
Appendix 3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE MINERAL DEVELOPMENT COMPANY			
PICTOU PROPERTY			
SOIL GEOCHEMISTRY (SB, *CD)			
ALL VALUES IN PPM			
DRAWN	DATE	FILE CODE	
Revised			



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

PICTOU PROPERTY

SOIL GEOCHEMISTRY

COMBINED BASE METALS : CU+PB+ZN

ALL VALUES IN PPM

DRAWN	DATE	FILE CODE	
Revised			

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,656

HOMESTAKE MINERAL DEVELOPMENT COMPANY

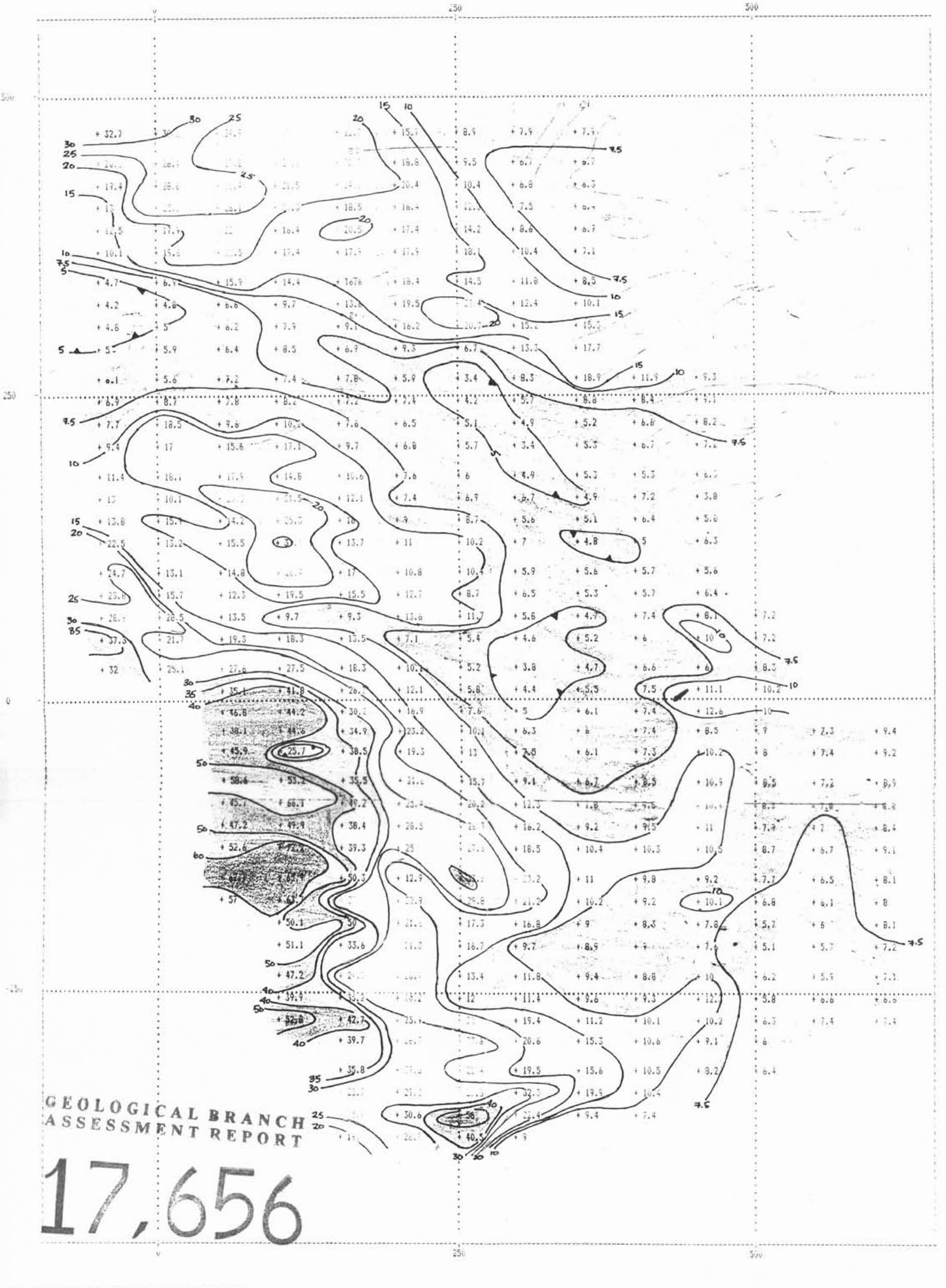
PICTOU PROPERTY

GEOLOGY, GEOPHYSICS AND TRACE ELEMENT GEOCHEMISTRY COMPILATION MAP

WITH ROTARY DRILL HOLE LOCATIONS

DRAWN	DATE	FILE CODE
D. McL	JAN 88	

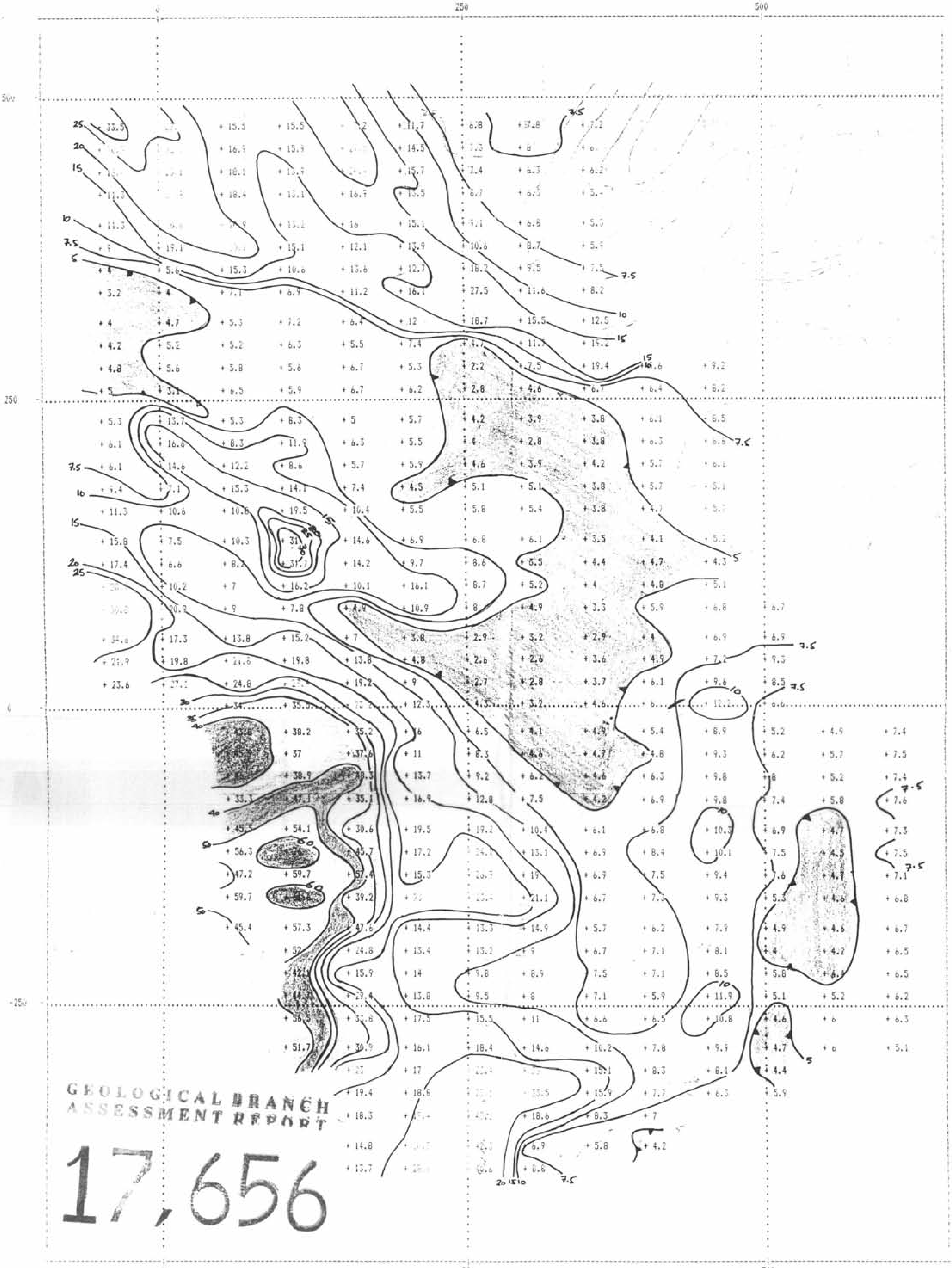
REVISED



HOMESTAKE MINERAL DEVELOPMENT COMPANY
PICTOU CLAIMS - ATLIN, B.C.

INDUCED POLARIZATION SURVEY
Array:Pole-dipole Cl pos:S Dir:N A= 20
Field: M7 Sep: 2
DATE:June 29, 1987
Scale 1:2500 User:Alan Scott

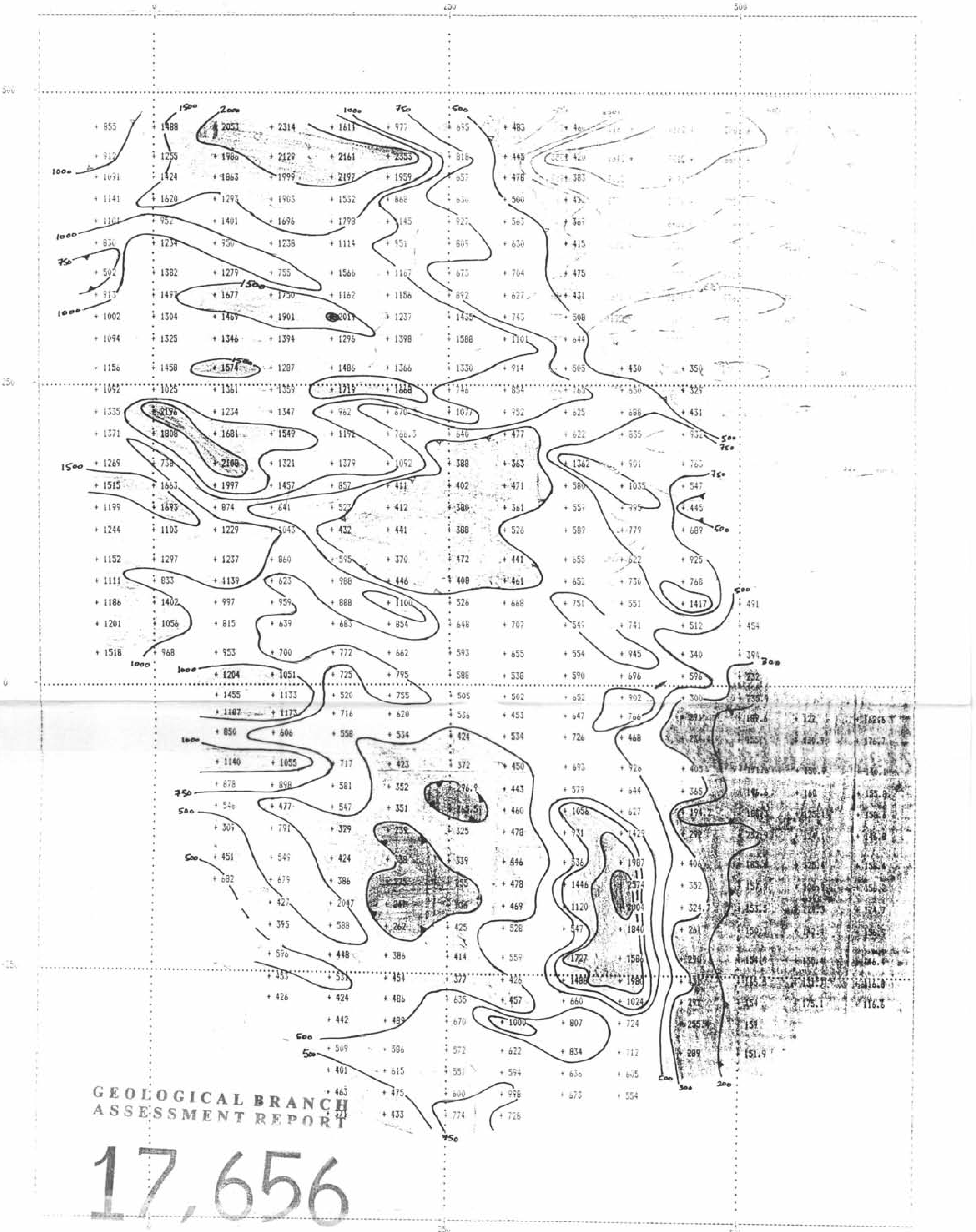
CHARGEABILITY N=2



HOMESTAKE MINERAL DEVELOPMENT COMPANY
PICTOU CLAIMS - ATLIN, B.C.

INDUCED POLARIZATION SURVEY
Array:Pole-dipole C1 pos:S Dir:N A= 20
Field: M7 Sep: 1
DATE:June 29, 1987
Scale 1:2500 User:Alan Scott

CHARGEABILITY N=1



HOMESTAKE MINERAL DEVELOPMENT COMPANY
FICTOU CLAIMS - ATLIN, B.C.

INDUCED POLARIZATION SURVEY
Array:Pole-dipole Ci pos:S Dir:N A= 20
Field: RES. Sep: 2
DATE:June 29, 1987
Scale 1:2500 User:Alan Scott

RESISTIVITY N=2

Appendix 4

Appendix 5

Appendix 6

Appendix 7