1992 EXPLORATION REPORT

ON THE

PANKY PROPERTY

LIARD MINING DIVISION

NTS: 104G/1
LATITUDE: 57° 12'N
LONGITUDE: 130° 27'W

OWNED BY:

Cominco Ltd.
#700 - 409 Granville Street
Vancouver, BC V6C 1T2

OPERATED BY:

HOMESTAKE CANADA LTD.
#1000 - 700 West Pender Street
Vancouver, BC V6C 1G8

By: M.D. McPherson, P.Geo

January 25, 1993

SUMMARY

The Panky property is situated in northwestern British Columbia approximately 140 kilometres southwest of the town of Dease Lake. The property lies along a broad, northeast-trending glacial valley south of Ball Creek and varies in elevation from 3900 feet in the northeast corner of the property to 6400 feet in the northwest corner. Access to the property is by helicopter from the Bob Quinn airstrip on highway 37, 20 kilometers to the southeast.

The property consists of two claims totalling 23 units, owned by Cominco Ltd. and currently under option to Homestake Canada Ltd. Previous work on the property in 1988 and 1990 included minor geologic mapping and soil, rock and stream sediment sampling.

The Panky property is underlain by Upper Triassic Stuhini Group andesitic to basaltic flows, pyroclastics, volcanic derived sediments and minor limestone, overlain unconformably by poorly indurated, well bedded sediments of Jurassic age. These rocks have been intruded by a dioritic intrusion on Goat Peak. The main alteration zone is a 700m by 1000m area of variable quartz+/-clay+/-pyrite on Rojo Grande, the prominant gossanous peak in the northwest corner of the property. This alteration may represent the upper levels of a low sulphidation epithermal system.

The 1992 exploration program on the Panky property included 1:5000 geologic mapping, 1.75 line km of pole-dipole IP geophysical surveying, and the collection of 110 rock samples, 180 soil samples and 23 stream sediment samples. The program was conducted in conjunction with exploration on the Hank property to the north, and all work was done from the Hank base camp.

Results from this program identifed a broad zone of variable quartz-clay-pyrite alteration hosted within Upper Triassic andesitic flows and Jurassic sediments on Rojo Grande. This alteration is associated with several multi-element geochemistry anomalies and coincident IP and resistivity highs that warrant further investigation.

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1.0 INTRODUCTION

1.1 Location and Access

The Panky property is located within the Liard Mining Division in northern BC, approximately 140 km southwest of the town of Dease Lake, BC (Fig. 1.1). The claims lie on NTS map sheet 104G/1 and are centred at latitude 57'12'N , longitude 130'27'W. Access to the property is by vehicle or fixed wing aircraft to the Bob Quinn airstrip on Highway 37, 400km north of Smithers, BC, and then by helicopter to the property, 20 km to the northwest.

1.2 Land Status

The Panky 92 Group consists of two claims totalling 23 units (see table 1.1), owned by Cominco Ltd. Homestake currently has an option to earn 60% of the claims over a three year period. See figure 1.2 for claim locations.

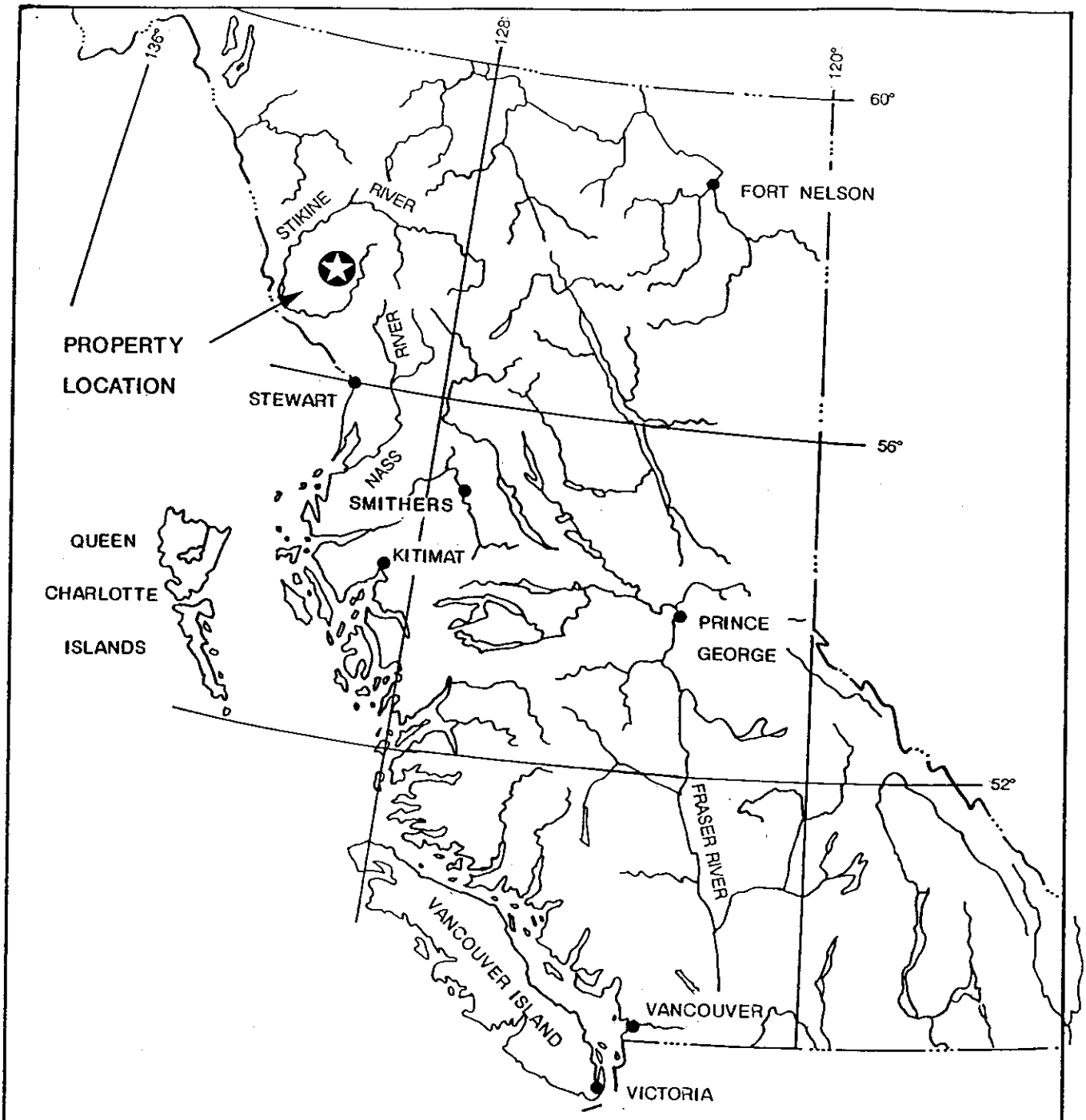
TABLE 1.1 - CLAIM STATUS

Claim	Units	Tenure #	Recording Date	Expiry Date*
Panky 1	15	223162	July 15, 1988	July 15, 1998
Panky 2	8	223163	July 15, 1988	July 15, 1998

* with the filing of this assessment work

1.3 Physiography

The Panky property lies within the Boundary Ranges of the Coast Mountains, and occupies a broad stream valley flowing northeast into the Iskut River (Fig. 1.2). The southern part of the claims is covered by glaciers and steep rugged terrain, while topography to the north is gentler, rising into a smooth flat saddle that separates the Panky claims from the Hank property to the north. Local topographic relief is moderate to very steep with elevations ranging from 3900 feet in the valley bottom to 6400 feet on Goat Peak. The area exhibits characteristics typical of glaciated physiography, with wide U-shaped, drift filled valleys flanked by steep rugged mountains, cirques and deeply incised V-shaped upland drainages. Rock exposure is best along the ridge tops and



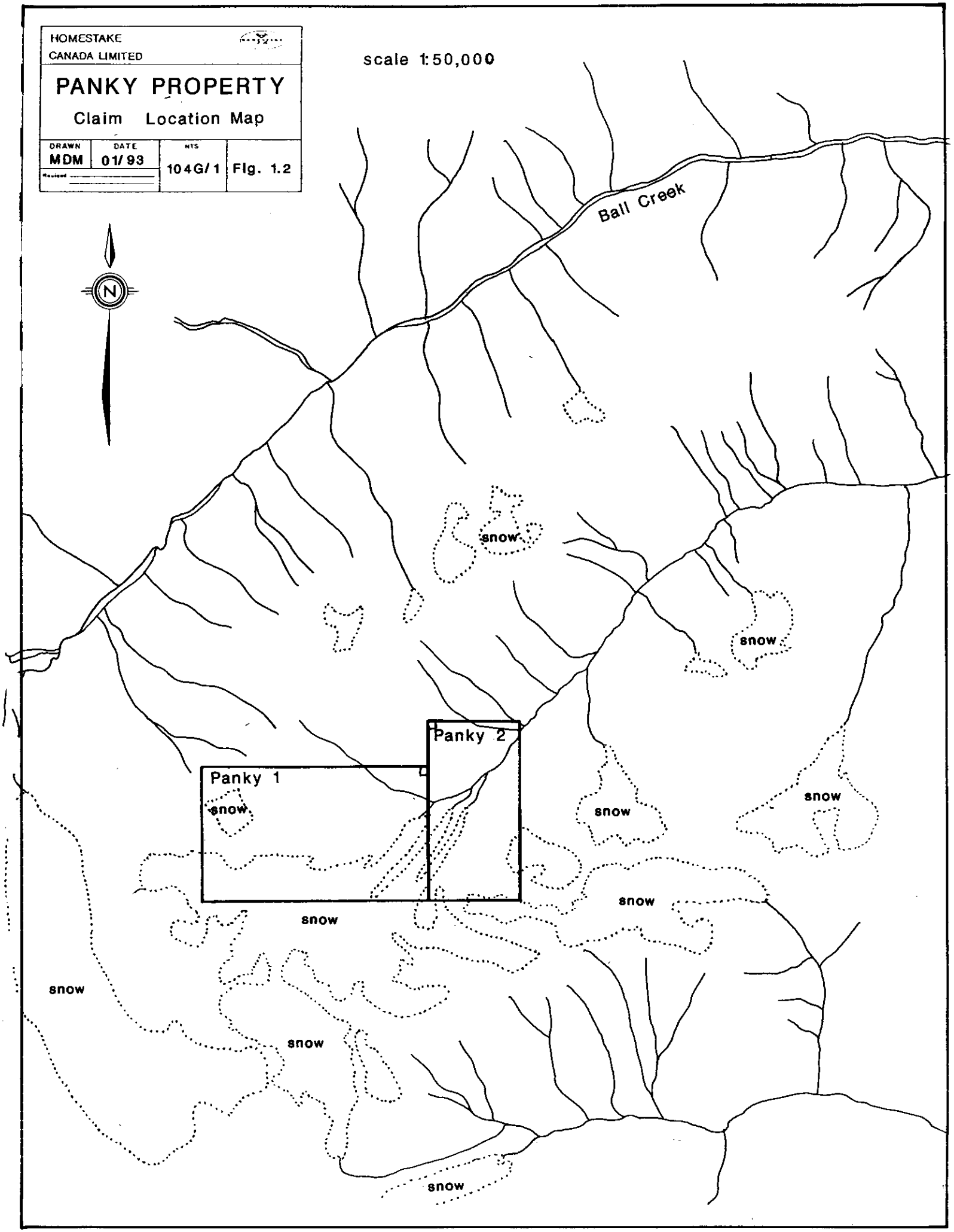
SCALE 1: 7,500,000

HOMESTAKE CANADA LTD.

PANKY PROPERTY

Location Map

DRAWN	DATE	NTS	
AWK	Nov.1991	104G/1	Fig. 1.1
Revised			


HOMESTAKE
CANADA LIMITED
PANKY PROPERTY
Claim Location Map
DRAWN
MDM
DATE
01/93
NTS
104G/1
Fig. 1.2
scale 1:50,000
N
Ball Creek
Panky 1
Panky 2
snow
snow
snow
snow
snow
snow
snow
snow
snow
snow

saddle area in the northern part of the claims. Below 4800 feet, the valley is covered by a thick blanket of glacial till.

The property lies entirely above treeline, and vegetation is limited to isolated patches of alder and scrub alpine spruce and juniper, and a variety of alpine grasses overlying extensive felsenmeer. There are several permanent snowfields below Rojo Grande and Goat Peak. The area receives significant rainfall, and snow can lie on the higher elevations of the property until mid-July.

1.4 Exploration History

The Panky claims were staked in 1988 by Cominco Ltd. to cover the large gossan adjacent the Hank property. Cominco completed a limited exploration program in 1988, consisting of 1:10,000 mapping and rock, soil and stream sediment sampling. The property was optioned to Solomon Resources in 1990, who followed up several low order soil geochemistry anomalies from the 1988 program, and completed 1:5,000 mapping and soil, rock and silt sampling. The property was returned to Cominco and no further work was done until Homestake optioned the property in 1992.

1.5 1992 Exploration Program

Homestake Canada Ltd. optioned the Panky claims in 1992, and completed a program of soil and rock sampling, IP geophysical surveying and 1:5000 scale geologic mapping. Work concentrated on exploring the extensive quartz-clay-pyrite alteration zone named Rojo Grande, in the northwest corner of the claims. The program was conducted concurrently with the exploration program on the Hank property immediately to the north. Work was conducted from the Hank base camp in the valley north of the Panky claims, and field costs were split proportionately between the two programs.

2.0 GEOLOGY

2.1 Regional Setting

The Panky property lies within rocks of the Stikine Terrane along the western margin of the Intermontane Belt, and the eastern margin of the Skeena Fold Belt (Fig. 2.1). Regional mapping has been completed by both the GSC (Evenchick, 1991 and Souther, 1972) and the BC Geological Survey (Logan et al, 1992).

The oldest rocks in the region are complexly folded schists and gneisses of mid-Paleozoic age, which form the basement to the area and are exposed in More Creek south of the Panky property. Closer to the property, regional mapping has defined the stratigraphy surrounding the property as predominantly Upper Triassic Stuhini Group augite andesite flows, pyroclastics and volcanic derived sediments overlain by Lower Jurassic grits, conglomerates, greywackes and basaltic volcanics. The Jurassic sediments form a broad northwest trending syncline in the north-central portion of the Panky claims. East of the property, along the Iskut River, are sedimentary rocks of the Jurassic Ashman Fm. of the Bowser Lake Group (Evenchick, 1991). Chert pebble conglomerates, also of possible Bowser Lake Group, are exposed on the ridge approximately 5km north of the property (A. Kaip, pers. comm. 1992). Middle Jurassic pillow basalts and derived pyroclastics mapped by Souther (1972) northeast of Panky, may be correlative to Salmon River Fm. (Eskay Creek facies; Anderson and Thorkelson, 1990).

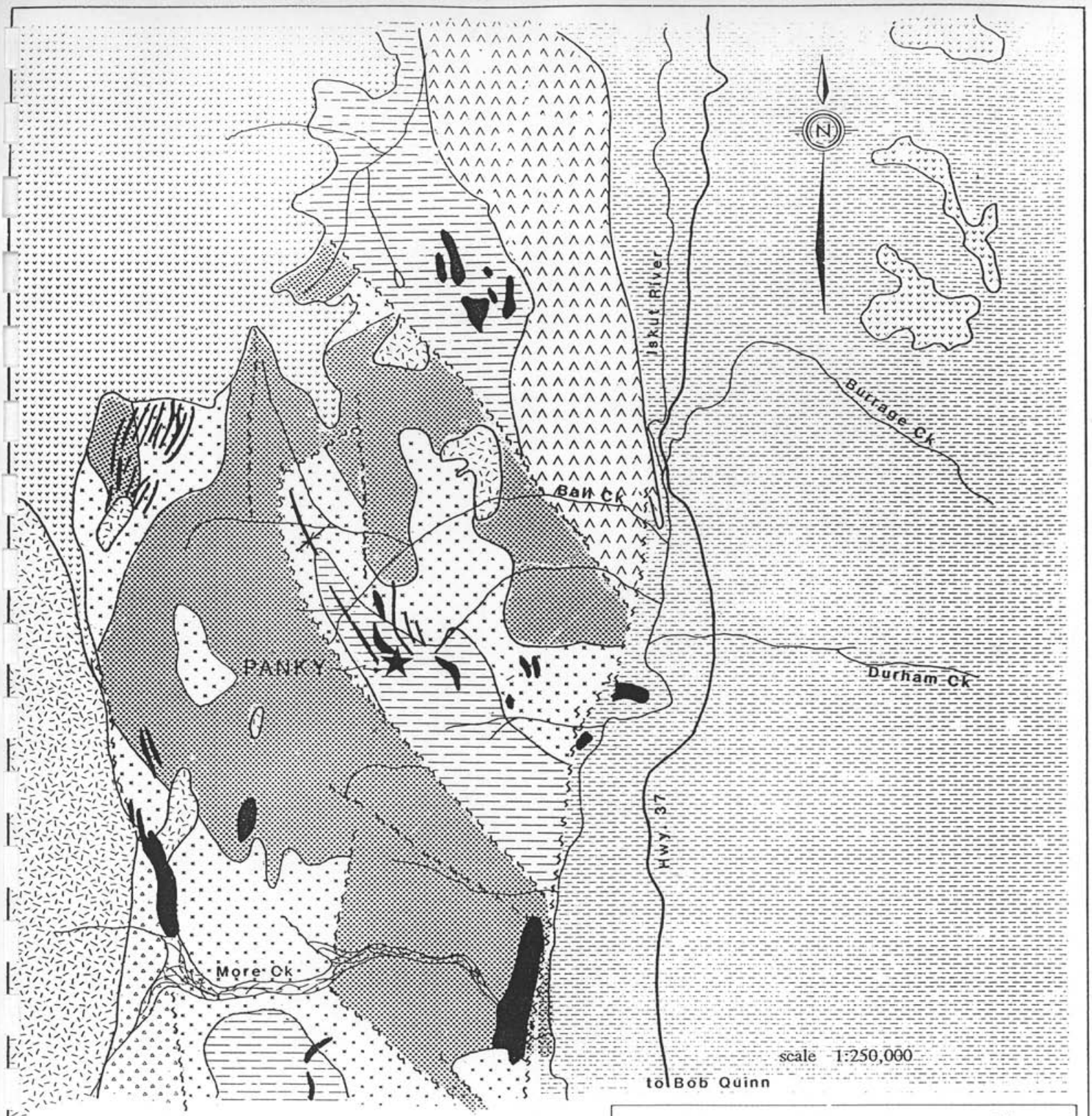
Both the Upper Triassic volcanic and sedimentary rocks and the Lower to Middle Jurassic sedimentary rocks are intruded in several places by Upper Cretaceous to Lower Tertiary "felsite" intrusions (Souther, 1972). These intrusions range in composition from felsite to quartz-feldspar porphyry to orbicular rhyolite, and typically form narrow tabular bodies which cut stratigraphy. On the Panky property, these "felsites" have been identified as zones of quartz-clay-pyrite alteration.

The youngest rocks in the region are Tertiary to Quaternary basalt flows related

to the Mount Edziza volcanic complex located approximately 15km northwest of the property.

Other than the "felsites", intrusive rocks are limited to small bodies of granodiorite and quartz diorite related to the Coast Plutonic complex. Goat Peak, on the northern edge of Panky, is underlain by diorite.

Structure in the region is dominated by the north-south trending Iskut River and Mess Creek valleys, believed to be controlled by major fault zones (Souther, 1972). Between the two valleys is a well developed set of northwest trending faults, some of which are truncated by re-activation along the north-south faults. One of these northwest trending faults lies at the head of the Panky valley, and brings Upper Triassic sandstone, greywacke and siltstone to the west in contact with slightly younger Upper Triassic andesitic volcanics and minor sediments to the east (Souther, 1972; Logan et al, 1992). A similar but smaller sub-parallel fault, the West Hank Fault, passes through the western part of the Panky claims and separates Upper Triassic aphyric andesite flows, pyritic flow banded rhyolite and minor sediments to the west from pyroxene+/-feldspar phyric andesitic flows to the east.



LEGEND

Tertiary + Quaternary
Basalt, dacite, related pyroclastics

Upper Cretaceous + Lower Tertiary
Felsite, Qz-fs porphyry, orbicular rhyolite

Jurassic + /or Cretaceous
Granodiorite; qz diorite

Mid. to Upper Jurassic
BOWSER LAKEGROUP; shale, siltstone, chert-pebble conglomerate, greywacke

Mid. Jurassic
Basalt, pillow lava and derived volcanoclastics

Lower and Mid. Jurassic
Sediments, basaltic volcanics

Upper Triassic
STUHINIGROUP; Augite andesite flows, pyroclastics, minor sediments

Upper Triassic
STUHINIGROUP; sediments

Permian and Older
Metamorphic basement

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PANKY PROPERTY

Regional Geology

after Souther (1972)

DRAWN	DATE	NTS	
MDM	10/92	104G/1	Figure 2.1

2.2 Property Geology

2.2.1 Stratigraphy

The Panky property is underlain by a succession of andesitic flows, pyroclastic and minor sedimentary rocks divided into three informal units (Fig. 2.2; Units 2-4). On the east side of the West Hank Fault the stratigraphy consists of Upper Triassic Stuhini Group pyroxene phyric flows and breccias unconformably overlain by Lower Jurassic carbonaceous siltstones, sandstones, wackes and pebble conglomerates which locally contain fossilized wood fragments (Souther, 1972). On the west side of the West Hank Fault the stratigraphy is composed of Upper Triassic Stuhini Group interlayered aphyric flows and flow-banded rhyolites overlain by siltstone and fine-grained sandstone.

On the east side of the West Hank Fault, bedding strikes northeast and dips 20 to 40 degrees southeast, except in the core of the syncline within the sediments of Unit 4. West of the West Hank Fault, bedding in Unit 3 typically strikes south and dips steeply to the west, except in the sediments adjacent the Fault, where beds strike east and dip steeply to the south.

Intrusive rocks are represented by a medium grained, hornblende diorite which outcrops on Goat Peak (Unit B).

The following is a detailed description of each stratigraphic unit (from Kaip and McPherson, in progress). As this project was run concurrently with exploration on the Hank property to the north, map units and nomenclature are the same for both properties.

Upper Triassic Stuhini Group:

Unit 2a: This unit consists of andesitic to basaltic pyroxene and feldspar phyric, dark green to grey magnetic flows, interlayered with tuff breccias of Unit 2c. These units are best exposed in the southeast flowing creek east of Rojo Grande (Fig. 2.2). The flows are massive and amygdaloidal and range in thickness from 5m to greater than 100m.

Isolated limestone clasts have been observed near the top of the section on Hank Ridge, immediately north of the Panky property. Pyroxene phenocrysts are recessive weathering, equant, vary in size from 2 to 10mm and comprise 10 to 30% of the rocks. Feldspars occur as crowded white laths up to 3mm in size and 20 to 40% of the rock. The groundmass is aphanitic and contains fine-grained disseminated magnetite.

Unit 2c: Interlayered with Unit 2a are maroon to green andesitic tuff breccias. They are poorly sorted and consist of angular to well rounded fragments up to 1.5m in size, predominantly derived from the adjacent pyroxene-feldspar phyric flows. The groundmass is aphanitic and weakly magnetic, with trace to 10% broken feldspar laths.

Unit 3: Dark green to black amygdaloidal aphyric flows and flow breccias interlayered with rusty, pyritic, flow-banded rhyolites are exposed on the east flank of Goat Peak along the southwest side of the West Hank Fault (Fig. 2.2). These volcanic rocks underlie brown to black, well-bedded, calcareous siltstone and fine-grained sandstones bearing carbonaceous plant fragments along bedding planes.

Lower Jurassic (Undefined):

Unit 4: Unconformably overlying Unit 2 are poorly indurated, maroon and green siltstones, brown and green well-bedded sandstones, and heterolithic pebble to cobble conglomerates (Fig. 2.2). Fossilized wood fragments up to 2m are common and rare *Weyla* are reported (Turna, 1985). The siltstones are well laminated and individual beds vary from 0.5 to 5m thick. The sandstones are calcareous and display low-angle, cross trough bedding with pebble lags along foresets. Clasts in the conglomerate are well rounded and vary in size from 0.5 to 10cm. The clasts are dominantly intraformational and derived from the underlying volcanic rocks. Bedding within the sediments is variable due to the doming effect caused by the intrusion of an orthoclase megacrystic porphyry immediately north of the claims, and folding along the northeast side of Rojo Grande. On the northeast side of Rojo Grande, is an asymmetric syncline trending 115 degrees and plunging 15 degrees to the southeast. This structure probably corresponds to the

regional syncline mapped by Souther (1972; Fig. 2.1).

Intrusive Rocks:

Unit B: A plug of relatively homogeneous, dark green to black medium-grained equigranular diorite underlies Goat Peak west of the West Hank Fault (Fig. 2.2). The intrusive is locally porphyritic, with hornblende phenocrysts to 1cm long. The diorite is fresh to moderately chlorite altered and locally weakly to moderately silicified with trace to 3% finely disseminated pyrite.

2.2.2 Structure

The West Hank Fault is the dominant structural feature on the property (Fig. 2.2). It lies along the western margin of the property, and is probably the southeast extension of a similar fault mapped on the ridge to the northwest by Logan et al (1992; also Kaip and McPherson, in progress). The fault trends north-northwest, dips sub-vertically and is marked by abundant white calcite veining, brecciation and contorted bedding in the sediments of Unit 3.

Stratigraphy generally strikes northeast and dips gently to the southeast except within the sediments of Unit 4, as described earlier. This northeast trend is repeated in numerous smaller scale fracture sets across the property.

2.3 Mineralization and Alteration

Alteration on Rojo Grande forms an irregular zone of variable quartz+/-clay+/-pyrite assemblages approximately 700m by 1000m in extent (Fig. 2.2). Quartz-clay-pyrite alteration is the dominant assemblage followed by quartz-clay+/-pyrite and minor clay or quartz alteration zones. The zones are thought to be hosted within pyroxene-feldspar phyric magnetic flows and tuff breccias of Unit 2a and 2c, and interbedded sediments of Unit 4, however most primary lithologic textures have been destroyed by the alteration. Alteration consists of intense quartz-clay+/-pyrite patches within a more extensive halo of quartz-clay-pyrite alteration. Within the quartz-clay-pyrite zones are narrow (<10m

wide) north-trending linears of quartz+/-pyrite alteration which form small resistant ridges along the northwest face of Rojo Grande. The assemblage consists of fine grained grey to blue quartz, white to pale grey amorphous clay and 1 to 15% finely disseminated pyrite.

The quartz-clay-pyrite halo extends west-northwest as a 50 to 200m wide alteration band within pyroxene-feldspar phyric flows of Unit 2a. This band roughly follows topography to below Goat Peak, then curves sharply south. The exact extent of the alteration band is unknown, due to the large amount of diorite talus. The southern portion of the alteration band forms a linear feature that cross-cuts the West Hank Fault with no apparent offset, occupying a steep narrow gully on the north face of Goat Peak. Along the ridge crest, are quartz-clay-pyrite altered amygdaloidal flows of Unit 3, with several bands of unaltered flow trending 170 degrees and dipping vertically.

Along the base of Goat Peak, adjacent to the West Hank Fault, are quartz-clay +/- pyrite altered rocks (Fig. 3.5; samples 37837, 37862-37865, 37658). Within this zone, white amorphous clay pods and veins up to 2cm wide are observed adjacent to a zone of brecciation 1m by 4m. The clasts in this breccia are altered to quartz-clay and cemented by fine grained grey quartz. A 1cm wide vein of light brown sugary crystals also occurs adjacent to the breccia, and has been identified by XRD as a combination of natroalunite and dickite (Kaip and McPherson, in progress).

3.0 GEOCHEMISTRY

3.1 Soil Geochemistry

3.1.1 Method of Survey

A total of 180 soil samples were collected over 10.25 line km of grid (Fig. 3.1). The grid was designed to cover the gossanous quartz+/-clay+/-pyrite alteration on Rojo Grande. Grid lines are spaced 100m apart and trend 135 degrees, perpendicular to flagged and picketed tielines at 16+00E and 27+00E. Grid stations are flagged at 25m intervals and picketed at 50m along the lines, and the lines are not slope corrected. Soil samples were collected at 50m intervals, however where deep snow was encountered the sample may be as much as 25m from the station site. The samples were collected with a mattock from the B-horizon at depths of 20 to 60cm, placed in standard Kraft paper sample bags, and air-dried before shipment.

Twenty-three silt samples were collected from Panky Creek, in order to identify other possible areas of mineralization on the property. Samples were collected at 200m intervals from the main creek and from smaller tributary streams. The sample sites are flagged and labelled HKS - # (Fig. 3.1).

Analyses were performed by International Plasma Laboratory Ltd. of Vancouver, B.C., and consisted of thirty-element ICP, cold vapour/AAS mercury, and gold by fire assay/atomic absorption on a 20g sample. The samples were first oven dried, sieved to -80 mesh, and pulverized, then a 500g subsample was digested in a hydrochloric acid-nitric acid solution at 90 degrees for one hour prior to analysis. The digestion is partial for Mn, Fe, Ca, P, La, Cr, Ba, W, Na, and K. The geochemical results are included in Appendix I, and values are plotted for gold/silver, arsenic/mercury and copper/zinc (Figs. 3.2a, 3.3a, 3.4a). Individual contour plots for the six elements are shown in figures 3.2b,c; 3.3b,c; Fig. 3.4b,c.

3.1.2 Results

Gold

There are several well developed gold soil geochemical anomalies, identified by number on the contoured geochemistry plot (Fig. 3.2b; anomalies 1 to 5).

1): This is a well developed, north-northeast trending anomaly lying immediately northwest of the ridge crest of Rojo Grande. It is approximately 700m long and 100m wide, and is open in both directions along strike. The highest gold value, 188 ppb Au, is on L10N at the peak of Rojo Grande. The anomaly is underlain by strong quartz-clay-pyrite and quartz-clay altered rocks.

2): Anomaly (2) is an irregular, 'U' shaped anomaly in the extreme northwest corner of the property on lines L7N to 9N. It is approximately 300m long by 100-200m wide, and the "arms" of the anomaly are open to the southwest. The anomaly lies in a broad bowl downslope of the 150m wide band of quartz-clay-pyrite alteration extending west from Rojo Grande. Two anomalous rock samples carrying 29 and 62 ppb Au, lie upslope to the southwest of this anomaly (Fig. 3.6; samples #37658, 37862). Most of the area is underlain by a mix of unaltered diorite and quartz-clay+/-pyrite altered talus.

3): This is an 'L' shaped anomaly on the east flank of Rojo Grande, in an area of several small patches of quartz+/-pyrite alteration (Fig. 2.2). The anomaly contains the highest gold in soil value on the property, 736 ppb Au on L12N, but rock samples from the vicinity did not return elevated gold values.

4): The fourth anomaly is moderately well developed and lies at the east end of lines L5N to L9N. It trends northeast to east, and is 200m by 300m in size. It corresponds to a small pod of quartz breccia within quartz-clay+/-pyrite alteration, that carries up to 55 ppb Au in rock samples (Fig. 3.6; sample #37867).

Two other small anomalies exist on the grid. The first is a spot high of 134 ppb Au at the east end of L11N. The second is a weak northeast trending, 250m long by 50m wide anomaly on lines L14N to L16N. No alteration is associated with either of these anomalies.

Silver

Silver values are typically low and very uniform, making it difficult to identify anomalies (see Fig. 3.2c; anomalies 1 to 5).

1): The main anomaly lies in the northwest corner of the claims, downslope of the 150m wide quartz-clay-pyrite alteration band carrying up to 62 ppb Au and 0.4 ppm Ag (Fig. 3.6; sample # 37862). The anomaly is underlain by a mix of unaltered diorite talus and quartz-clay-pyrite altered talus.

2): Anomaly (2) lies along the northern part of the main Rojo Grande ridge, and consists of two, 50 to 150m wide north to northeast trending anomalies approximately 150m apart. The area is underlain by strong quartz-clay-pyrite and quartz-clay alteration carrying low silver values in rocks..

3): Extending southeast off the east end of lines L10N and L12N, is a moderately well developed silver anomaly with no associated alteration. The area is underlain by glacial till, and therefore the anomaly may represent transported material.

4): The strongest silver anomaly lies in the southwest corner of the grid, on lines L5N and L7N. The position of the anomaly corresponds to a lithologic change from the flows of Unit 2a to the east, to the volcanic and sedimentary rocks of Unit 3 to the west. The elevated silver values may reflect higher background silver values within Unit 3 rocks, rather than an alteration zone.

5): Anomaly (5) is in the northeast corner of the grid, on lines L14N to L17N. It is a northeast trending 'U' shaped anomaly open to the northeast, lacking associated alteration.

In addition to the above mentioned anomalies, there are several one station spot silver highs.

Arsenic

There are several well developed arsenic anomalies, typically showing a moderate to strong correlation with gold values (see Fig. 3.3b; anomalies 1 to 4).

1): This is a pair of north trending anomalies at least 300m long and spaced 200m apart, in the northwest corner of the grid. The anomaly lies downslope of a 150m wide east trending band of quartz-clay-pyrite alteration, and is open along strike.

2): Anomaly (2) is a 100 to 200m wide, 700m long north-northeast trending zone lying just below the ridge crest of Rojo Grande. The anomaly is open at both ends, and has a higher grade core immediately below the peak of Rojo Grande. It is underlain by strong quartz-clay-pyrite and quartz-clay altered rocks.

3): A 300m by 50m northeast trending anomaly lies on the south side of Rojo Grande and corresponds to a small pod of quartz breccia within quartz-clay+/-pyrite alteration.

4): The fourth anomaly lies at the end of lines L11N and L13N, but lacks any associated alteration.

Mercury

Mercury values on the Panky property are typically very high, and form several well developed anomalies showing a moderate correlation with elevated gold and arsenic values (Fig. 3.3c; anomalies 1 to 3).

1): Anomaly (1) trends northeast, is 450m long by 100 to 200m wide, and lies just below the ridge crest of Rojo Grande. The anomaly is open to the north along strike, and has its highest values along the ridge line.

2): This anomaly consists of two sub-parallel north-northeast trending anomalies up to 200m wide, lying downslope of quartz-clay-pyrite alteration in the northwest corner of the grid.

3): The third anomaly lies at the east end of line L11N, but lacks an association with alteration.

Copper

There are several small copper soil anomalies, showing a weak to moderate correlation with elevated gold values (see Fig. 3.4b; anomalies 1 to 4).

1): Anomaly (1) consists of two north-northeast trending anomalies 100m apart, in the northwest corner of the grid. The anomaly lies downslope of a 150m wide band of quartz-clay-pyrite alteration east of Rojo Grande.

2): This is a north trending, 50m wide by 450m long anomaly, lying just below the ridge crest of Rojo Grande. Unlike some of the other element anomalies in this area, the copper anomaly is not open along strike.

3): Anomaly (3) lies in the southwest corner of the grid on lines L5N to L7N, and contains the highest copper values on the property. The anomaly lies within Unit

3, and may be related to higher background copper values within Unit 3, rather than an alteration association.

4): The fourth anomaly is 50m wide by 550m long, and lies on the southeast flank of Rojo Grande, on lines L11N to L16N. There is no alteration associated with this anomaly.

Zinc

There is an inverse relationship between alteration and zinc content, with very low zinc values in the altered, central portion of the grid, and higher zinc values around the perimeter (Fig. 3.4c).

1): This anomaly marks the only place where elevated zinc values are associated with alteration. The anomaly lies in the northwest corner of the grid, where a 250m wide by 300m long zinc anomaly lies downslope of a 150m wide, east trending quartz-clay-pyrite alteration band.

2): This anomaly lies in the southwest corner of the grid, and contains the highest zinc values. As with silver values in this area, these elevated zinc values may be related to the lithologic change from Unit 2a to Unit 3, rather than alteration.

3): The third anomaly lies in the northeast section of the grid, where zinc values seem to be increasing within the sediments of Unit 4.

3.1.3 Discussion

There are several multi-element soil geochemical anomalies on the Panky property. The main anomaly trends north-northeast and lies immediately below the ridge crest of Rojo Grande. It is a coincident gold, arsenic, silver, copper and mercury anomaly with depleted zinc values. The anomaly is strongest immediately below the peak of Rojo

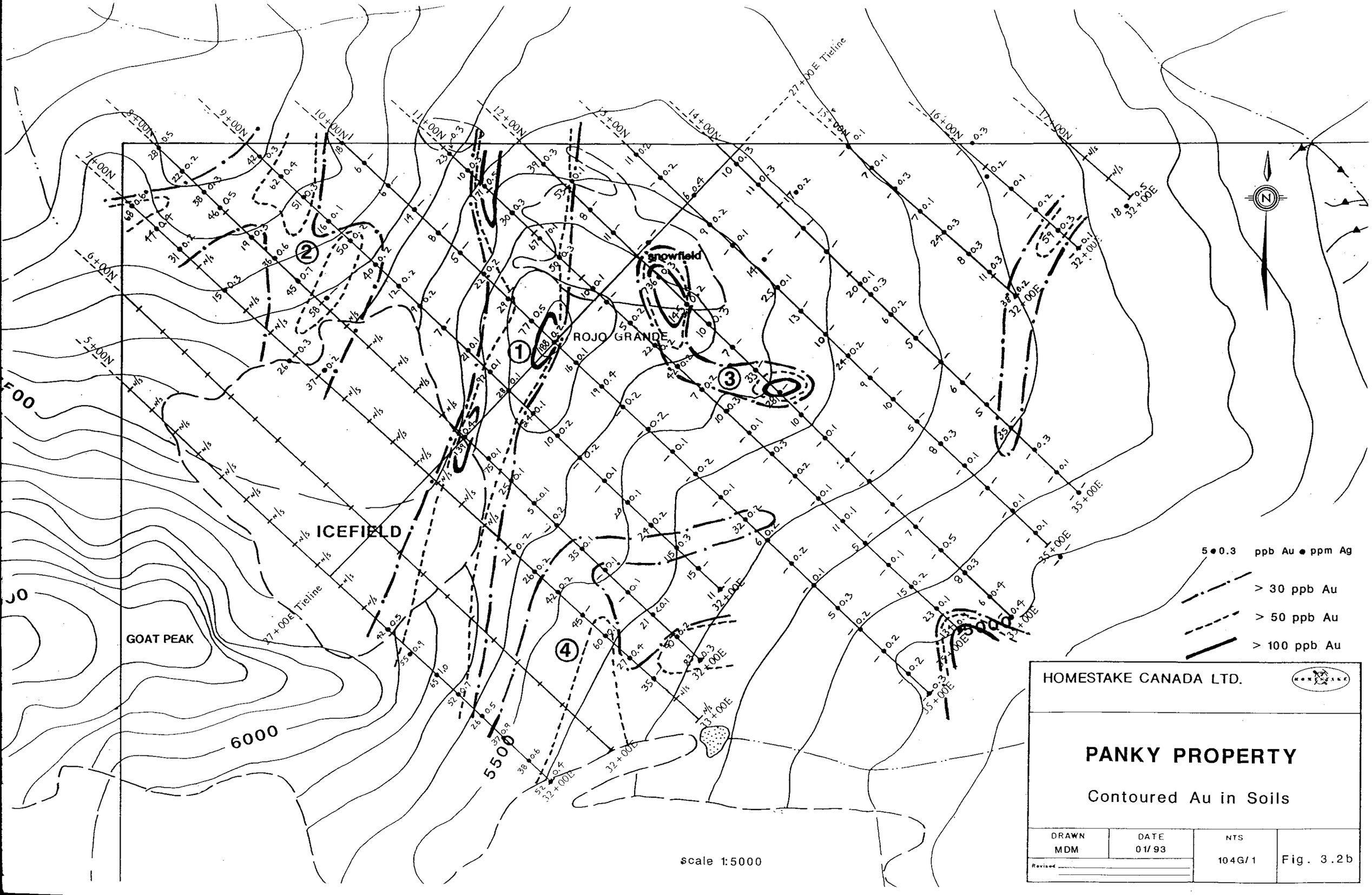
Grande, and is open in both directions along strike. As it lies very close to the peak of Rojo Grande, the anomaly is likely very close to source. This multi-element anomaly has corresponding high resistivity values and is underlain by quartz-clay-pyrite and quartz-clay+/-pyrite alteration assemblages in outcrop and talus.

The second multi-element anomaly lies in the northwest corner of the claims on lines L7N to L9N, trends northeast, is up to 300m wide and open in both directions. It lies in a broad, talus filled bowl below a band of quartz-clay-pyrite alteration extending west from Rojo Grande, and carrying up to 62 ppm Au in rocks. All six contoured elements are anomalous in this area (Au, Ag, As, Hg, Cu, Zn). In addition to the geochemical anomalies here, there are also coincident IP and resistivity anomalies (Figs. 4.1, 4.2; anomaly B1).

A third multi-element geochemical anomaly lies in the southwest corner of the grid, on the south facing slope between Goat Peak and Rojo Grande. The eastern edge of this anomaly roughly corresponds to the fault contact between Unit 2a to the east, and Unit 3 to the west, across the West Hank Fault. The coincident, elevated Zn, Ag, Cu and Au values may be related to elevated background levels within the rocks of Unit 3, rather than alteration. Another possible source is the narrow band of quartz-clay+/-pyrite alteration on the top of Goat Peak hosting 355 ppb Au in rock sample #37574 (Fig. 3.6).

A similar, possible lithologic relationship can be seen in the northeast corner of the grid, where elevated Ag and Zn soil anomalies are coincident with elevated IP values (Fig. 4.1; anomaly 3) within the sediments of Unit 4.

The final multi-element anomaly lies at the east end of line L11N. It is a coincident Ag, Zn, Hg, As, Au anomaly in an area of thick till cover and no associated alteration, open to the southeast.



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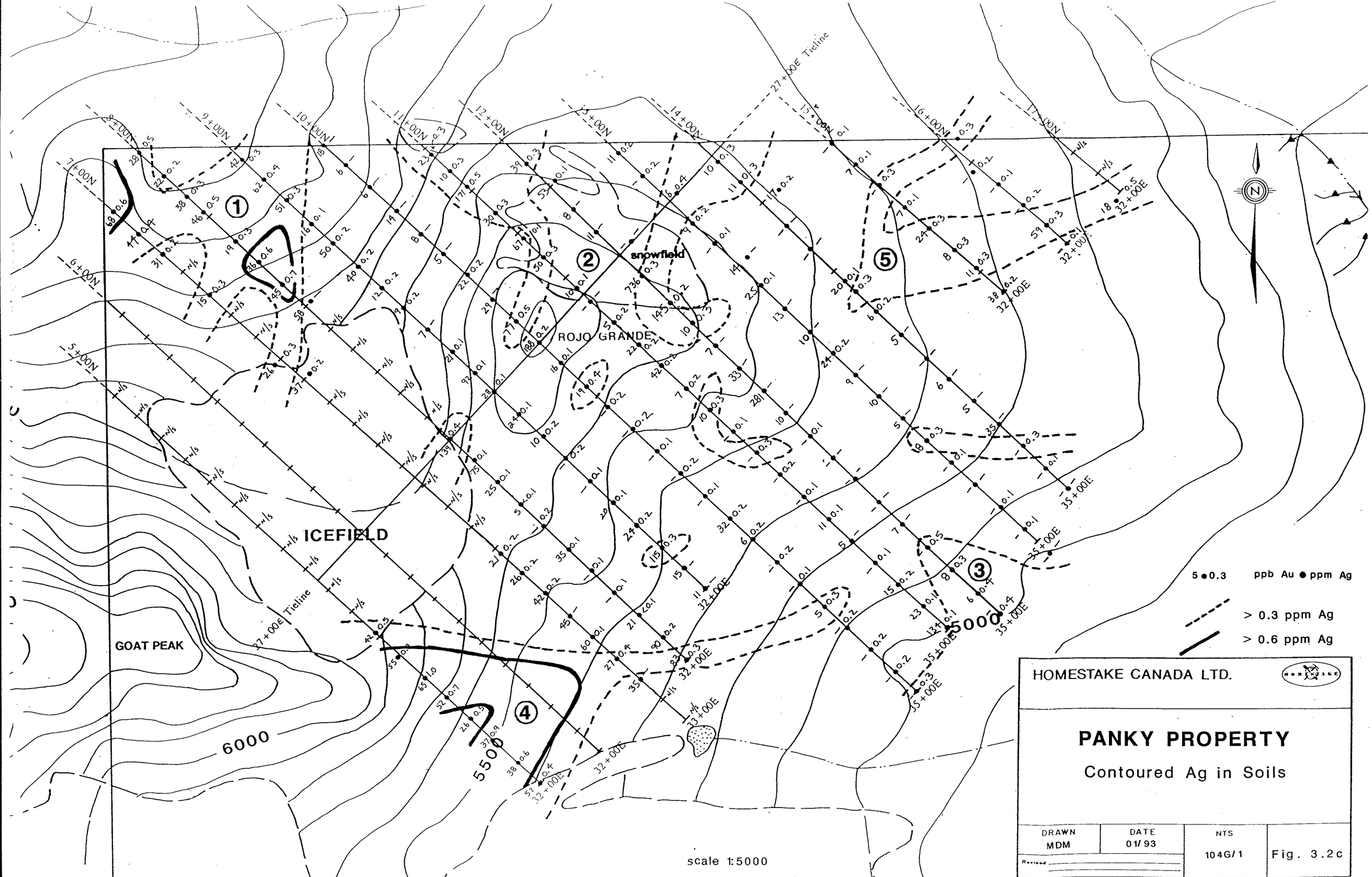
HOMESTAKE CANADA LTD.

PANKY PROPERTY

Contoured Au in Soils

DRAWN	DATE	NTS	
MDM	01/93	104G/1	Fig. 3.2b

Revised

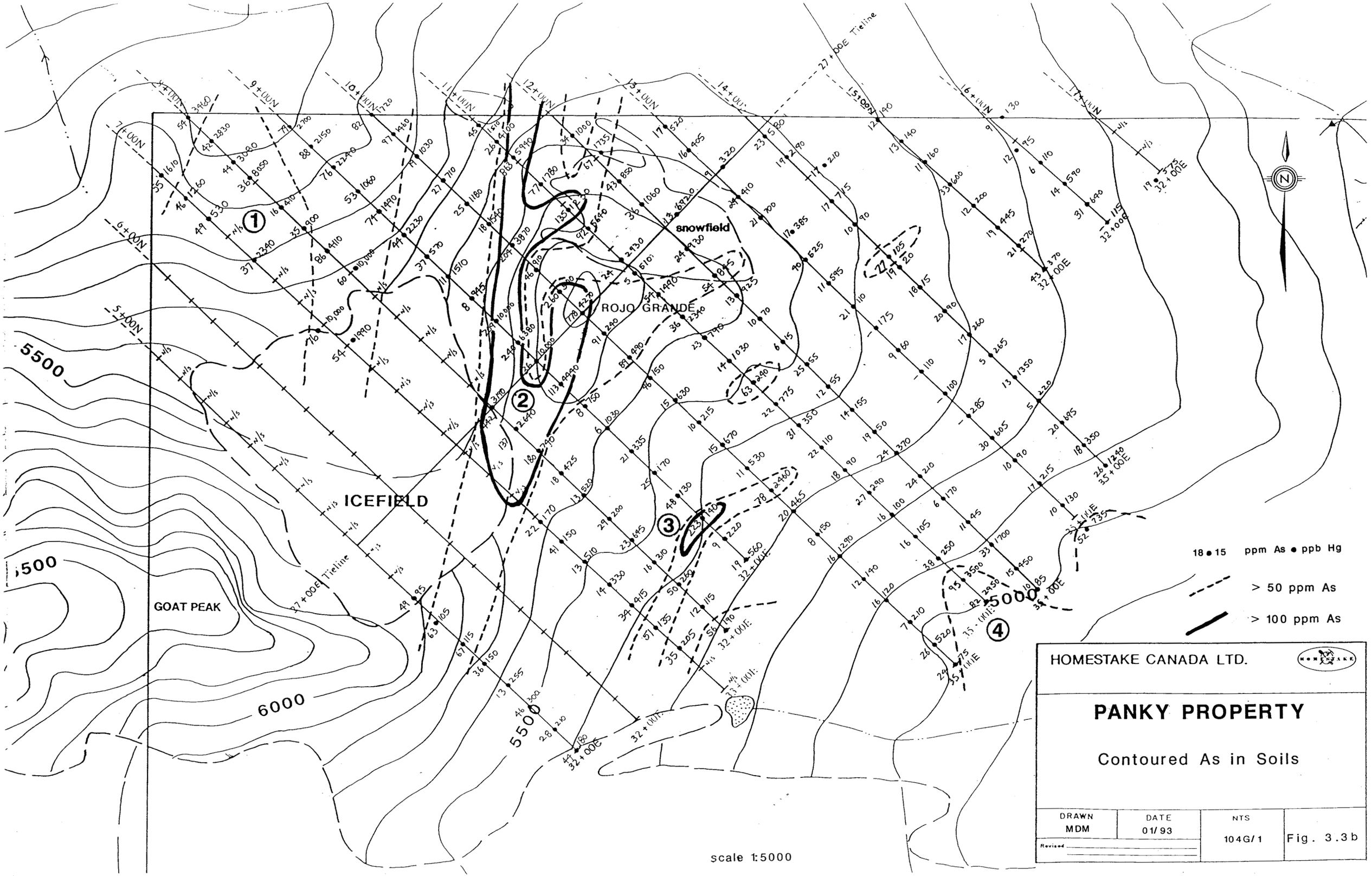


HOMESTAKE CANADA LTD.

PANKY PROPERTY

Contoured Ag in Soils

DRAWN	DATE	NTS	
MDM	01/93	104G/1	Fig. 3.2c
Revised			



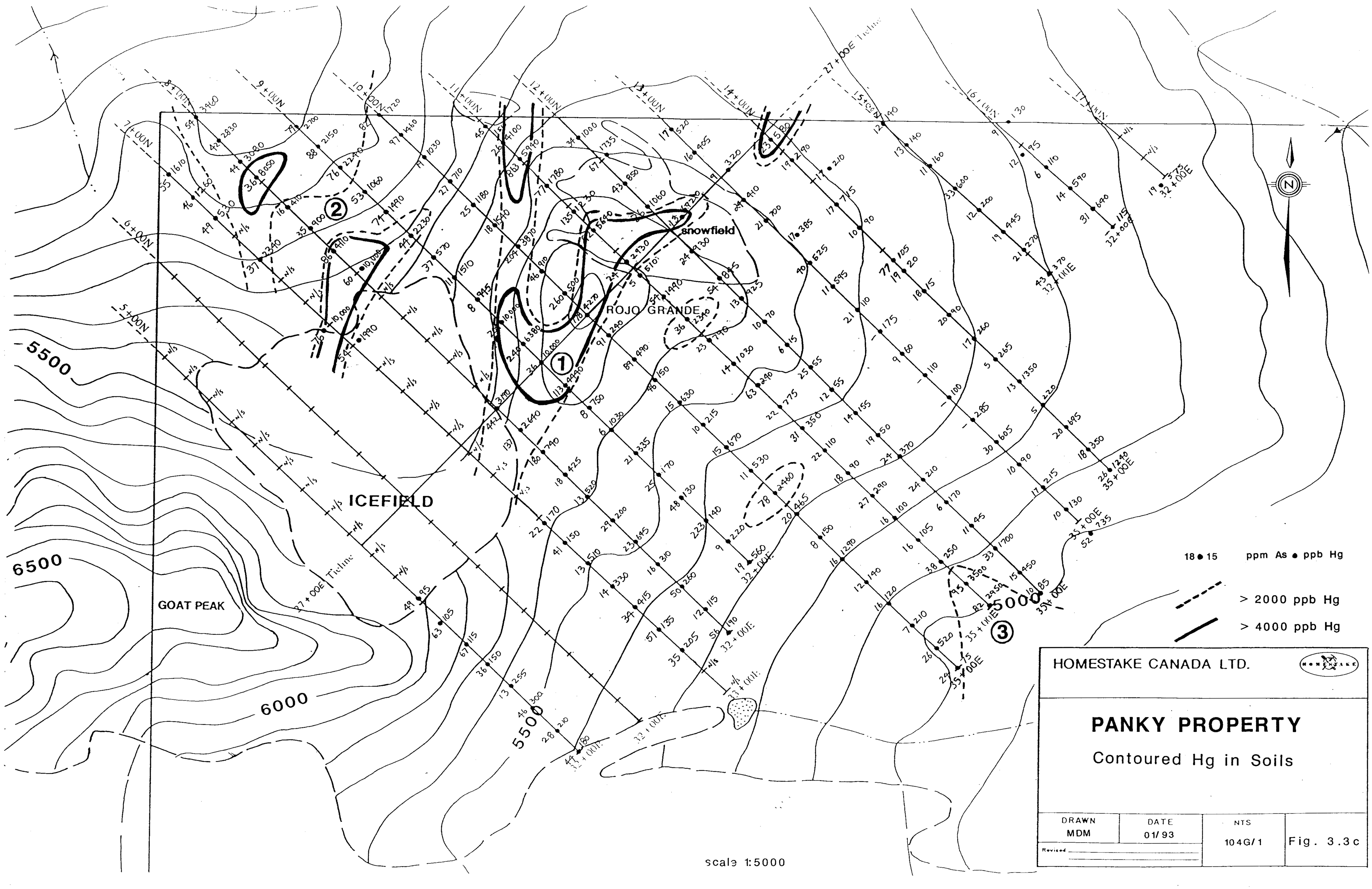
HOMESTAKE CANADA LTD.

PANKY PROPERTY

Contoured As in Soils

DRAWN	DATE	NTS	
MDM	01/93	104G/1	Fig. 3.3b

Revised



HOMESTAKE CANADA LTD.
PANKY PROPERTY
Contoured Hg in Soils
DRAWN MDM
DATE 01/93
NTS 104G/1
Fig. 3.3c
scale 1:5000
18 ● 15 ppm As ● ppb Hg
> 2000 ppb Hg
> 4000 ppb Hg
ICEFIELD
ROJO GRANDE
snowfield
GOAT PEAK
5500
6000
6500
5000
27+00E Tieline

ICEFIELD

GOAT PEAK

ROJO GRANDE

snowfield

6000

5500

5000

Tieline

27+00E Tieline

7+00N

8+00N

9+00N

10+00N

11+00N

12+00N

13+00N

14+00N

15+00N

16+00N

17+00N

5+00N

6+00N

32+00E

35+00E

n/s

7 • 19 ppm Cu • ppm Zn

> 50 ppm Cu

> 75 ppm Cu

scale 1:5000

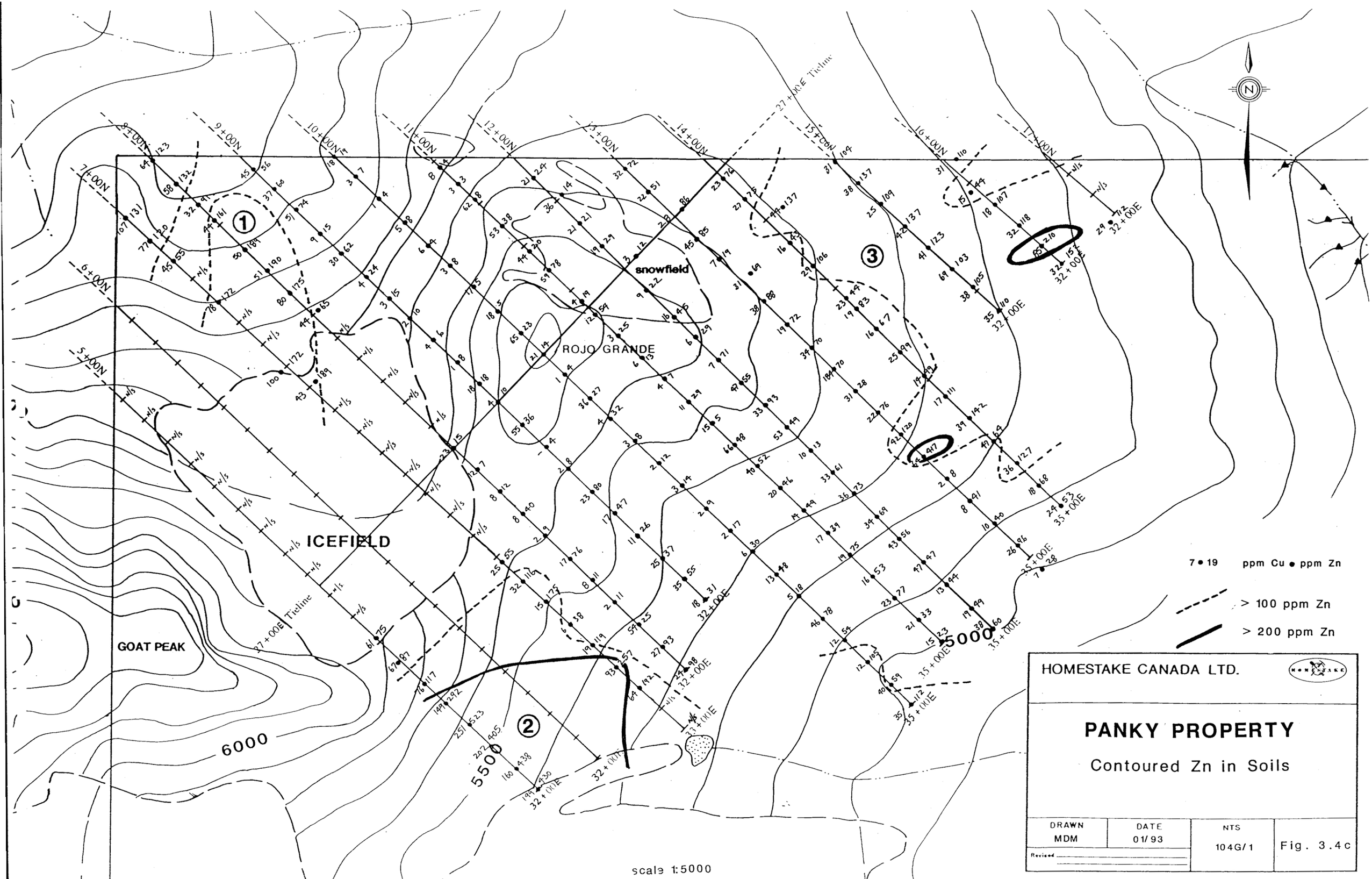
HOMESTAKE CANADA LTD.

PANKY PROPERTY

Contoured Cu in Soils

DRAWN	DATE	NTS	
MDM	01/93	104G/1	Fig. 3.4b

Revised



HOMESTAKE CANADA LTD.

PANKY PROPERTY

Contoured Zn in Soils

DRAWN	DATE	NTS	
MDM	01/93	104G/1	Fig. 3.4c
Revised			

Silt samples returned up to 196 ppb Au (Fig. 3.2a; HKS-16). Samples HKS-12, -13,and HKS-15 to HKS-17 all carried greater than 25 ppb Au. These samples were collected from small streams draining southeast from Rojo Grande, and represent elevated gold values associated with the Rojo Grande alteration zone. No other silt anomalies were identified.

3.2 Rock Geochemistry

3.2.1 Method of Survey

A total of 110 rock chip samples were collected on the Panky property. Samples were collected from all types of altered and mineralized material encountered, especially from the varied zones of quartz+/-clay+/-pyrite alteration on Rojo Grande. Approximately 2.5 kg of material was collected from each sample, and the sample types vary from selective grabs to continuous chips to float. Appendix III contains a table of all rock sample descriptions. Sample locations are plotted on figure 3.5, and a gold/silver/arsenic/copper value plot is shown in figure 3.6.

Rock samples were analyzed at International Plasma Labs of Vancouver, BC, and analyzed for the same series of elements as the soil samples. Analytical results are located in Appendix I.

3.2.2 Results

Gold

Gold values range from less than 5 ppb to 355 ppb Au (Fig. 3.6). Twelve samples returned values greater than 25 ppb Au, seven samples greater than 50 ppb and 2 samples had values greater than 100 ppb Au. The anomalous gold values are predominantly hosted within the quartz-clay-pyrite and quartz-clay+/-pyrite alteration assemblages on Rojo Grande, however sample 37867 (55 ppb Au) is hosted within a zone of quartz breccia with trace pyrite.

The twelve anomalous samples (> 25 ppb Au), lie in six areas (I-VI; Fig. 3.6).

Area I: # 37574; 355 ppb Au

Area II: # 37658; 29 ppb Au

37862; 62 ppb Au

Area III: # 37659; 94 ppb Au

37680; 56 ppb Au

37681; 26 ppb Au

37682; 210 ppb Au

Area IV: # 37639; 86 ppb Au

37668; 56 ppb Au

Area V: # 37651; 35 ppb Au

37655; 29 ppb Au

Area VI: # 37867; 55 ppb Au

Silver

Silver values are consistently low in rock samples, with values ranging from less than 0.1 ppm to 1.1 ppm Ag (Fig. 3.6). Only thirty-five of the samples returned values above the detection limit of 0.1 ppm Ag, with only three anomalous samples with values greater than 0.8 ppm Ag. There is no correlation between silver and gold in rock samples.

37846; 1.1 ppm Ag

37866; 0.8 ppm Ag (float)

37858; 0.9 ppm Ag

Arsenic

Arsenic values are more subdued in rock samples than in soil samples, with only three samples returning values greater then 100 ppm As (Fig. 3.6). Values range from 5 ppm to 210 ppm As, with a typical range of 20 to 50 ppm As. Although there is a strong gold-arsenic correlation in soils, no such correlation exists in rock samples.

37894; 105 ppm As

37895; 172 ppm As

37846; 210 ppm As

Copper

Copper values were typically low, generally less than 50 ppm Cu and reaching a maximum of 1766 ppm Cu (Fig. 3.6). Only three samples returned anomalous values greater than 100 ppm Cu.

37866; 1766 ppm Cu

37650; 100 ppm Cu

37688; 181 ppm Cu

There is a weakly developed gold-copper association along the edge of the easternmost snowfield, adjacent the alteration boundary between quartz-clay-pyrite and quartz-clay+/-pyrite alteration.

Other Elements

Mercury: Values are typically very high, with several samples greater than 10,000 ppb mercury. Most of these high values are concentrated on the southeast edge of the Rojo Grande alteration zone, along the contact between clay and quartz-clay alteration assemblages (#37632,37642-47; Fig. 3.5, 3.6). There is a moderately well developed mercury-arsenic correlation in rock samples.

Lead/Zinc/Molybdenum: Values are typically low, with highs of 186 ppm Pb, 152 ppm Zn and 57 ppm Mo. Values average less than 30ppm Pb, less than 15 ppm Zn, and less than 5 ppm Mo. There is a weakly developed copper-zinc association, and a weak lead-molybdenum association, but none of these elements correlate with gold values.

Barium: Barium values range from less than 2 to 1908 ppm Ba, but distribution is erratic, and no correlation was found with gold.

Antimony: Values range from less than 5 to 122 ppm Sb, but distribution is erratic, and no correlation was found with gold or other indicator elements.

4.0 GEOPHYSICS

4.1 Introduction

As part of the 1992 exploration program on the Panky property, 1.75 line km of pole-dipole IP and resistivity geophysical surveying was completed over the northwest portion of the claims. The 1992 survey was designed to test the quartz-clay-pyrite alteration zones on Rojo Grande. The contractor for the IP survey was Pacific Geophysical Limited of Vancouver, BC. They provided all necessary survey equipment and computer software, as well as a geophysicist and a trained technician. Two field assistants were provided by Homestake. The survey was completed between August 2 to 6, and work was hampered by local deep snowdrifts and inaccessible steep terrain on Rojo Grande.

4.2 Survey Specifications

The IP survey was completed over a flagged and picketed grid put in by Homestake prior to the survey. The lines were run at 135 degrees, perpendicular to a flagged and picketed tieline (27+00E). Grid lines were located with hipchain and compass and are flagged at 25m intervals, picketed at 50m intervals and spaced 100m apart; lines are not slope corrected. IP and resistivity surveying was completed over lines 7+00N, 9+00N, 11+00N and 13+00N (Fig. 3.1).

The survey was completed using a pole-dipole array with an inter-electrode spacing of 25m. An EDA Model IP-6 induced polarization and resistivity receiver unit was used to make the measurements. Two separate transmitters, a Phoenix Model IPT-1 1.0 kw unit, and a Huntec Model Mk4 7.5 kw unit, were used to provide the 2 second on, 2 second off receiver signals, depending on the voltage levels required. Induced polarization values were recorded in milliseconds, using "mode 3", which employs an 80 msec time delay, followed by 10 logarithmically spaced measurement windows (80ms x

4, 160ms x 3, 320ms x 3), which were then combined into one cumulative reading. Apparent resistivity measurements were calculated in ohm-meter units.

To overcome the problems with snow, conductive pipe up to 10 feet long was used to obtain ground contact.

4.3 Results

The Rojo Grande quartz+/-clay+/-pyrite alteration zones are underlain by several IP and resistivity highs. The first separation (N=1) plan maps illustrate the interpreted results (Fig. 4.1, 4.2).

Resistivity

There are three main resistivity anomalies, all corresponding to zones of moderate to intense quartz-clay-pyrite alteration within Unit 2a (Anomaly A, B, C; Fig. 4.2). The high percentage of silica is probably responsible for the high resistivity values.

Anomaly 'A' is the most extensive, forming a broad deep-seated resistivity high extending in a northerly direction from L9+00N to L11+00N (Fig. 4.2, 4.4, 4.5). The base of the resistive layer is thought to be buried in excess of the 50m detection limit of the array used. The anomaly underlies the peak and northwest face of Rojo Grande in strong quartz-clay-pyrite alteration.

Anomaly 'B' is an extensive resistivity high lying on L7+00N in the northwest corner of the claims, and extending north and west off of the property (Fig. 4.2, 4.3). It corresponds to a 150m wide band of strong quartz-clay-pyrite alteration extending east to Rojo Grande and south to Goat Peak. The resistive cap is thought to be considerably less than 25m thick on L7+00N, but increasing in thickness to the southwest, off thew grid. Aside from a 75m x 75m altered outcrop, the area is covered by a mix of unaltered diorite and altered flow talus.

The third anomaly is 'C', at the east end of L11+00N (Fig. 4.2, 4.5). It is a small two-station anomaly that corresponds well to several small exposures of quartz+/-pyrite alteration on the southeast flank of Rojo Grande.

IP Effect

There are three main IP anomalies, in part corresponding to the above mentioned resistivity anomalies. Anomaly '1' is a northeast trending anomaly on L7+00N, corresponding to the 'B' resistivity anomaly and a 150m band of quartz-clay-pyrite alteration (Fig. 4.1, 4.3). The IP high is narrower than the resistivity anomaly, but may increase in size off of the grid to the southwest or northeast.

Anomaly '2' is a north trending 150m wide IP high on L9+00N (Fig. 4.1, 4.4). The southern half of the anomaly corresponds to the north edge of the quartz-clay-pyrite alteration zone, while the north half of the anomaly underlies altered talus at the base of Rojo Grande. The anomaly shows a possible increase in intensity to the south.

The third IP anomaly, '3', is a broad, 225m wide northeast trending anomaly on lines 11+00N and 13+00N, along the northeast flank of Rojo Grande (Fig. 4.1, 4.5, 4.6). There is partial correlation between elevated IP values and quartz-clay-pyrite alteration on L11+00N, but the strongest part of the anomaly lies on L13+00N, within the relatively unaltered sediments of Unit 4. Polarizable material within the sediments apparently gives rise to this IP response.

It should be noted that the apparent IP low on L11+00N between anomalies '2' and '3', is caused by a lack of data over a 150m interval, where the terrain was too steep to allow surveying (Fig. 4.1). Also, no surveying was completed over the quartz-clay+/-pyrite alteration zone on L9+00N (24+75 to 27+00E), due to steep terrain on the northwest face of Rojo Grande. Surveying was attempted on the extreme east end of L9+00N (27+00 to 30+00E) on the south flank of Rojo Grande, however the technicians could not pick up any IP response from this area and the survey was terminated.

4.4 Discussion

There are three areas of coincident IP/resistivity highs on the grid: 'B1', within a zone of quartz-clay-pyrite alteration in the northwest corner of the grid; 'A2', within quartz-clay-pyrite alteration at the east end of L9+00N; and 'C3', a two-station anomaly at the east end of L11+00N, corresponding to quartz+/-pyrite alteration within a larger halo of quartz-clay-pyrite alteration.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The 1992 exploration program on the Panky property included 1:5000 geologic mapping, 1.75 line km IP and resistivity geophysical surveying, and the collection of 110 rock samples, 180 soil samples, and 23 silt samples.

Geologic mapping identified a broad, 700m by 1000m zone of variable quartz-clay-pyrite alteration on Rojo Grande. The alteration varies from quartz-clay-pyrite to quartz-clay to clay or quartz assemblages, but lacks clear zonation. Well preserved original textures along the margins of the alteration zone indicate the alteration is hosted within Upper Triassic andesitic to basaltic flows of Unit 2a and Jurassic sediments of Unit 4, and not within a felsite intrusion as previously thought.

Rock sampling of the alteration returned a maximum of 355 ppb Au, and only twelve samples returned values greater than 25 ppb Au. Mercury values were very high, with several samples greater than the detection limit of 10ppm Hg. In contrast, silver, copper and arsenic values were low, much lower than those returned from soil sampling. This may indicate partial leaching and transportation of precious metals and other indicator elements at surface, and values may be higher below the weathered cap.

The results from the soil geochemistry survey were encouraging, with the identification of four multi-element (Au, Ag, As, Hg, Cu, Zn) anomalies. The main anomaly trends north-northeast, is 700m long by 150m wide, and is open along strike. It lies along, and immediately below the ridge crest of Rojo Grande, and is likely very close to source. A second multi-element anomaly lies downslope of a 150m wide band of quartz-clay-pyrite alteration extending west from Rojo Grande, north of Goat Peak. The area is talus covered, and likely reflects the downslope transportation of metals from the alteration band. A third anomaly lies at the east end of L11N, in an area of glacial till, There is no associated alteration in the area, and the anomaly probably represents glacial transportation from an unknown source, or downslope dispersion from Rojo Grande to the northwest.

The geophysical survey identified several IP and resistivity highs associated with the quartz-clay-pyrite alteration. The main Rojo Grande alteration zone is a deep-seated resistivity high and IP low, flanked by IP highs along the east and west margins of the zone. This reflects the low pyrite content and high silica content within the quartz-clay-pyrite assemblage lying in the north-central portion of the grid. A second area of interest is a coincident IP and resistivity high immediately northwest of the multi-element geochemistry anomaly north of Goat Peak.

Based on the results of the 1992 exploration program, additional work is recommended on the Panky claims, to further test the gold bearing potential of the Rojo Grande alteration zone. The following work is recommended:

1) 1:5000 mapping of the southern portion of the claims, south of Panky Creek, as all of the 1992 work was concentrated in the northern part of the claims.
2) Hand trenching and rock sampling of the alteration on Rojo Grande to test the theory that gold content may increase below the weathered cap at surface.
3) No further IP surveying is recommended due to the difficulty in obtaining readings along the south side of Rojo Grande. However, other forms of geophysical surveying such as MAG or VLF, may prove useful in further delineating high grade zones within the alteration.
4) Drill testing of the two main multi-element geochemical/coincident geophysical anomalies; a) within the quartz-clay-pyrite alteration on the ridge of Rojo Grande, and b) below the 150m quartz-clay-pyrite alteration band north of Goat Peak, in the area of strongest IP response.

6.0 REFERENCES

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Turna, R., (1985): Geological, Geochemical and Diamond Drilling Assessment Report on the Hank Property, British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report # 13594.

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7.0 STATEMENT OF COSTS

Salaries:

M. McPherson	Geologist	18.5 days @ $200	$ 3,700
July 29-31; Aug. 1,10-13,28; Sept. 21-25/92; Jan. 11-15/93			
A. Kaip	Geologist	11 days @ $150	$ 1,650
July 29-31; Aug. 10,11,15-19,28			
R. Britten	Regional Manager	0.5 days @ $400	$ 200
Aug. 28			
C. Downie	Field Assistant	9.75 days @ $100	$ 975
July 6,13,15,19,21,24,26; Aug. 2,4,5			
D. Denbhoer	Field Assistant	8.25 Days @ $100	$ 825
July 4,5,6,20,24; Aug. 2,4,5,17			

Geochemical Analyses:	
- 180 soil samples @ $13.50	$ 2,430
- 23 silt samples @ $13.50	$ 311
- 110 rock samples @ $17	$ 1,870
Food and Accommodation:	
- 43 man-days @ $ 18.9/day	$ 814
- propane, gas, diesel	$ 285
Freight: (samples, groceries, field gear)	$ 460
- includes surface and air freight	
Expediting:	$ 404
Travel:	
- 7 x Vancouver-Smithers @ $177 (CMA)	$ 1,239
- expenses (hotel, food while travelling to/from field)	$ 190
Communications; phone, courier, faxes	$ 90
Base maps, photocopying, publications, map reproduction	$ 550
Surface Work:	
- IP Survey; 2.25 days @ $985/day	$ 2,216
- Mob/demob	$ 125
- Field Supplies	$ 390
- Camp construction	$ 554
- Helicopter Support; Hughes 500D	$ 1,815
- includes set-outs and mob/demob of camp	

Machinery and Equipment:

- HCL charge-outs:		
- Homelite waterpump and hose; 37 man days		$ 10
- SBX-11 Radio; 37 man-days		$ 65
- Motorola hand-held radios; 2 radios		$ 30
- Falcon Research; 2 radios for 2 mos.		$ 58
- Sbilsbury Communications; radio repair		$ 34
- ATV repair		$ 8
- Truck rental; 2 mos.		$ 319
	total	$ 21,617
	D.S.S @ 10%	$ 2,162
	TOTAL	**$ 23,779**

8.0 STATEMENT OF QUALIFICATIONS

I, Margaret D. McPherson, of 4083 Parkway Drive, Vancouver, BC DO HEREBY CERTIFY THAT:

1. I am a geologist currently employed by Homestake Canada Ltd., located at #1000-700 West Pender St., Vancouver BC, V6C 1G8.

2. I graduated from the University of British Columbia in 1987, with a Bachelor of Science degree in Geology.

3. I am Professional Geoscientist in good standing with the Association of Professional Engineers and Geoscientists of British Columbia.

4. I have been employed in the mineral industry since 1985.

5. I participated in, and supervised the work described in this report.

Margaret D. McPherson, P.Geo

January 5, 1993
Vancouver, BC

APPENDIX I: Analytical Data

INTERNATIONAL PL SMA LABORATORY LTD.

2036 Colum treet
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200647 T Homestake Canada Ltd. In: Aug 18, 1992 Page 1 of 2 Section 1 of 1
Project: 3182 Ship=01 Out: Aug 21, 1992 56 Rock Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
37633	R	<	<	36	7	53	<	<	<	365	2	<	<	<	16	4	1444	<	15	78	991	7	59	6	9	0.15	1.41	3.84	3.97	0.41	0.48	0.03	0.09
37634	R	6	<	11	<	8	<	<	11	Max	1	<	<	<	3	2	337	<	53	51	32	2	108	2	2	0.02	1.67	0.01	1.28	0.10	0.17	0.02	0.01
37635	R	10	0.1	7	16	3	23	13	3	2140	2	<	<	<	1	2	341	<	104	21	10	2	240	2	1	<	0.79	0.01	0.88	0.01	0.05	0.01	0.01
37636	R	<	0.1	27	8	3	31	<	4	1680	3	<	<	<	14	3	17	<	22	48	4	<	47	3	2	<	1.92	0.01	2.20	<	0.02	0.02	<
37637	R	<	<	36	6	25	27	<	<	2165	3	<	<	<	16	5	<	<	35	33	15	<	26	2	1	<	1.36	0.01	4.26	<	0.02	0.01	<
37638	R	<	0.3	22	9	2	37	5	<	610	4	<	<	<	3	2	47	<	7	28	3	<	56	1	2	<	1.34	<	2.10	<	0.04	0.01	<
37639	R	86	0.3	23	21	3	60	<	3	2445	5	<	<	<	10	5	<	<	17	25	13	<	43	2	2	<	1.32	<	7.78	<	0.01	0.01	<
37640	R	<	0.1	19	10	3	16	<	<	500	2	<	<	<	4	2	22	<	26	24	6	<	37	2	1	<	1.13	<	2.51	<	0.06	0.01	<
37641	R	7	0.2	95	3	10	52	40	<	1650	9	<	<	<	13	4	5	<	17	34	7	<	23	3	2	<	1.33	<	3.63	<	0.02	0.01	<
37642	R	<	<	3	9	1	9	5	8	7350	3	<	<	<	1	2	36	<	35	11	4	<	104	1	<	<	0.98	<	1.85	<	0.03	0.01	<
37643	R	<	0.1	19	24	37	90	<	<	780	14	<	<	<	5	4	48	<	81	8	377	14	56	3	2	<	0.43	0.35	2.20	0.02	0.21	0.08	0.10
37644	R	<	0.2	4	6	2	31	<	<	1075	6	<	<	<	1	2	25	<	43	17	6	<	143	1	1	<	1.22	0.01	1.75	<	0.06	0.02	0.01
37645	R	20	0.2	19	18	2	26	9	8	5000	3	<	<	<	6	3	15	<	28	22	40	<	63	2	1	<	1.74	<	3.21	<	0.03	0.02	<
37646	R	<	<	29	7	76	25	<	4	5250	3	<	<	<	9	4	16	<	35	35	99	3	14	4	4	0.03	1.24	0.06	3.27	0.35	0.38	0.06	0.11
37647	R	<	0.1	7	8	4	24	<	14	Max	3	<	<	<	3	5	25	<	176	9	21	<	156	2	2	<	0.62	0.03	1.80	0.01	0.09	0.02	0.03
37648	R	17	0.1	11	13	3	30	6	<	920	4	<	<	<	2	2	35	<	21	24	5	<	34	2	1	<	1.46	<	1.97	<	0.02	0.01	<
37649	R	10	<	20	9	3	21	<	<	1070	4	<	<	<	3	1	12	<	19	17	2	<	39	2	1	<	1.38	<	2.38	<	0.02	0.01	<
37862	R	62	0.4	6	186	1	98	46	9	7100	57	<	16	<	2	<	84	<	6	35	4	<	147	2	1	<	1.15	0.01	0.64	0.01	0.04	0.01	0.01
37863	R	5	<	3	10	2	7	20	<	500	6	<	<	<	1	3	108	<	193	5	35	<	30	4	<	0.01	0.07	0.02	0.30	0.02	0.01	0.01	<
37864	R	<	<	4	<	1	5	<	<	1360	3	<	<	<	1	3	78	<	172	<	16	<	3	1	<	<	0.02	<	0.44	<	0.01	0.01	<
37865	R	12	0.1	7	45	1	18	14	5	4400	5	<	<	<	1	2	67	<	60	20	7	<	77	1	<	<	0.94	0.01	1.30	<	0.01	0.01	<
37866	R	7	0.8	1766	3	3	16	8	<	250	5	<	<	<	10	9	25	<	297	7	24	<	2	6	<	0.01	0.17	0.01	3.06	0.01	0.13	0.01	0.01
37867	R	55	<	5	8	4	5	8	<	215	1	<	<	0.1	2	5	1908	<	213	3	17	<	50	6	<	0.01	0.02	<	0.34	<	0.02	0.01	<
37868	R	21	0.2	5	2	2	<	<	<	550	1	<	<	<	2	4	1832	<	235	<	16	<	31	<	<	<	0.02	<	0.26	<	0.01	0.01	<
37869	R	5	<	9	3	2	7	<	<	810	3	<	<	<	3	2	25	<	47	18	23	<	52	2	1	<	0.94	<	2.22	0.01	0.12	0.01	0.01
37870	R	<	<	2	10	2	14	6	<	3190	3	<	<	<	1	3	187	<	73	8	8	2	139	2	1	<	0.69	0.01	0.85	<	0.08	0.02	0.02
37871	R	<	<	6	8	2	19	5	5	5100	2	<	<	<	1	2	154	<	55	23	5	2	59	3	1	<	0.94	<	1.56	<	0.03	0.01	<
37872	R	<	<	3	<	2	5	6	8	7640	2	<	<	<	2	5	1148	<	280	2	20	<	31	2	<	<	0.03	<	0.48	<	0.03	0.01	<
37873	R	5	<	2	15	1	13	7	<	350	2	<	<	<	2	1	1867	<	51	12	4	<	90	1	<	<	1.03	<	0.14	<	0.01	0.01	<
37874	R	<	<	37	12	4	27	<	3	2330	4	<	<	<	5	3	6	<	25	42	6	<	34	1	2	<	1.05	<	3.19	<	0.02	0.01	<
37875	R	<	<	2	<	2	<	8	12	Max	2	<	<	<	2	5	1296	<	255	2	18	<	34	1	<	<	0.02	<	0.36	<	0.01	0.01	<
37876	R	<	<	32	16	3	79	17	3	3620	4	<	<	0.2	31	6	15	<	23	28	4	<	38	2	2	<	1.21	<	2.31	<	0.02	0.01	<
37877	R	6	0.1	9	46	3	54	46	<	855	6	<	<	0.1	2	4	1733	<	170	14	12	<	82	3	<	<	0.43	<	0.60	<	0.02	0.01	0.01
37878	R	<	0.3	8	12	3	8	11	9	8150	4	<	<	<	3	2	17	<	18	21	2	<	135	2	1	<	1.14	<	2.62	<	0.02	0.01	0.01
37879	R	<	<	3	22	13	76	8	6	5270	3	<	<	0.3	12	3	14	<	39	13	4	2	139	2	<	<	1.29	<	1.90	<	0.03	0.01	0.01
37880	R	<	0.2	2	17	2	16	12	<	630	3	<	15	<	2	2	1651	<	92	13	7	<	120	3	1	<	0.56	<	0.23	<	0.02	0.01	<
37881	R	7	<	5	27	1	27	18	<	1510	5	<	<	<	1	2	212	<	36	27	4	<	121	1	1	<	1.15	<	1.26	<	0.01	0.01	<
37882	R	8	<	5	26	1	57	15	<	1115	4	<	<	<	1	2	31	<	46	30	4	<	101	2	2	<	1.38	<	1.89	<	0.01	0.01	<
37883	R	9	<	2	47	2	9	10	<	510	4	<	3	<	1	2	687	<	70	11	6	<	91	1	<	<	0.88	<	0.24	<	0.02	0.01	<
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate %

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2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200647 T Homestake Canada Ltd.
Project: 3182 Ship=01

In: Aug 18, 1992
Out: Aug 21, 1992

56 Rock

Section 1 of 1
Certified BC Assayer

David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
37884	R	16	<	15	17	3	42	5	<	3280	5	<	<	<	4	4	3	<	26	23	5	<	44	1	1	<	1.25	<	4.45	<	0.06	0.01	<
37885	R	18	<	4	39	1	45	27	3	2040	4	<	<	<	1	2	423	<	65	20	6	2	161	1	1	<	0.98	<	0.82	<	0.03	0.01	0.01
37886	R	10	<	10	25	4	28	10	3	2110	5	<	<	<	1	2	15	<	41	27	4	<	62	2	1	<	1.44	<	2.18	<	0.03	0.01	<
37887	R	<	<	11	13	1	35	5	<	2360	2	<	<	<	17	4	10	<	25	18	71	<	44	2	1	<	1.23	<	4.30	<	0.02	0.01	<
37888	R	<	<	4	15	3	47	30	17	Max	7	<	<	0.1	1	6	69	<	194	5	15	<	72	2	<	<	0.32	<	1.36	<	0.02	0.01	<
37889	R	5	<	2	25	5	18	8	<	2295	4	<	<	<	1	2	432	<	84	9	7	<	103	1	<	<	0.91	<	0.48	<	0.01	0.01	<
37890	R	5	<	5	31	4	34	9	4	3200	3	<	<	<	1	1	148	<	10	10	2	<	110	1	1	<	1.45	<	0.84	<	0.03	0.01	<
37891	R	8	<	20	15	3	29	5	4	4260	6	<	3	<	10	4	<	<	39	25	27	<	30	3	1	<	1.05	<	5.28	<	0.02	0.01	<
37892	R	7	0.2	43	8	13	15	<	3	2380	3	<	<	<	6	3	9	<	29	26	22	<	22	1	2	<	1.02	0.01	2.96	0.02	0.22	0.02	<
37893	R	10	<	9	16	3	55	6	<	1600	2	<	<	<	2	2	26	<	13	22	7	<	47	1	1	<	1.36	<	1.86	<	0.11	0.01	0.01
37894	R	7	<	39	31	3	105	11	<	1820	4	<	<	<	9	5	3	<	37	33	9	2	55	2	1	<	1.07	0.01	4.50	<	0.18	0.01	0.01
37895	R	8	0.2	15	86	6	172	8	13	Max	5	<	<	0.8	11	3	27	<	<	18	1	<	62	<	1	<	1.52	<	2.20	<	0.07	0.01	<
37896	R	6	<	6	159	2	40	5	<	2700	6	<	<	<	4	4	27	<	69	15	6	<	91	1	<	<	0.77	<	2.20	<	0.01	0.01	<
37897	R	7	<	2	11	4	39	6	3	2110	6	<	<	<	2	2	1862	<	111	5	9	<	79	2	<	<	0.26	<	0.28	<	0.01	0.01	<
37898	R	5	<	2	14	3	7	8	6	7040	8	<	<	<	2	3	1662	<	154	2	11	<	81	1	<	<	0.07	<	0.24	<	0.01	0.01	<
37899	R	19	0.1	20	26	10	28	<	<	1720	10	<	2	<	20	4	7	<	12	39	6	<	29	3	1	<	1.43	<	4.28	<	0.03	0.01	<
37900	R	6	0.1	2	5	3	5	14	7	7050	5	<	<	<	2	3	1723	<	137	3	9	<	59	2	<	<	0.12	<	0.23	<	0.01	0.01	<
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200701 T Homestake Canada Ltd. | In: Aug 28, 1992 | Page 6 of 7 | Section 1 of 1
Project: 3181/3182 Ship=08 | Out: Sep 03, 1992 | 261 Soil | Certified BC Assayer | David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
37649(re-assay)	R	<	<	41	6	2	26	7	<	1100	3	<	<	<	18	5	7	<	10	17	31	<	18	2	1	<	0.54	0.01	4.23	<	<	0.01	<
37650	R	21	<	100	7	11	28	122	<	3500	3	<	<	0.2	2	2	114	<	17	17	6	<	27	2	1	<	0.58	<	1.15	<	<	0.01	<
37651	R	35	0.2	6	34	<	37	12	<	1320	7	<	<	<	1	1	99	<	15	13	2	<	31	2	1	<	0.47	<	1.66	<	0.01	0.01	<
37652	R	<	<	19	6	2	20	6	<	900	3	<	<	<	8	4	36	<	31	16	18	<	45	2	1	<	0.46	<	2.34	<	0.04	0.01	<
37653	R	12	<	19	8	8	23	6	<	445	3	<	<	<	5	4	17	<	20	17	40	<	21	3	5	<	0.37	0.02	5.00	0.01	0.49	0.02	0.07
37654	R	14	0.1	51	7	1	40	7	<	940	2	<	<	<	27	6	7	<	11	17	22	<	22	2	1	<	0.52	<	4.21	<	0.04	0.01	<
37655	R	29	<	38	16	1	47	6	<	2175	3	<	<	0.1	11	3	7	<	12	17	3	<	10	2	1	<	0.46	<	3.88	<	0.01	0.01	<
37656	R	17	<	5	5	<	45	6	<	465	2	<	<	0.1	1	2	257	<	33	7	4	<	44	1	<	<	0.42	<	0.57	<	<	0.01	<
37658	R	29	0.9	10	48	4	13	19	<	400	5	<	<	<	1	3	802	<	96	11	59	<	64	1	<	<	0.40	0.09	0.28	0.01	<	0.01	<
37659	R	94	0.1	15	6	<	21	<	<	750	2	<	<	<	6	3	21	<	15	11	29	<	12	2	<	<	0.44	0.01	3.45	<	0.02	0.01	<
37660	R	19	<	21	10	<	31	6	<	1510	5	<	<	0.2	11	4	25	<	22	13	20	<	18	2	<	<	0.49	0.01	3.39	<	<	0.01	<
37661	R	15	<	31	<	1	13	5	<	2700	2	<	<	<	10	3	5	7	2	15	24	<	33	2	1	<	0.61	0.01	4.28	<	0.01	0.01	<
37662	R	15	<	26	15	<	46	8	<	1410	4	<	<	<	19	6	<	<	9	13	57	<	17	2	1	<	0.49	<	5.95	<	0.02	0.01	<
37663	R	<	<	41	6	117	15	9	<	1470	3	<	<	<	14	5	2	<	14	10	50	<	4	3	1	<	0.38	<	4.82	0.01	0.09	0.01	<
37664	R	8	<	34	5	3	43	68	<	3150	3	<	<	<	13	4	4	<	10	12	52	<	19	2	1	<	0.42	0.01	6.58	<	0.01	0.01	<
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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2036 Columbia [illegible]t
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200701 T Homestake Canada Ltd. In: Aug 28, 1992 Section 1 of 1
Project: 3181/3182 Ship=08 Out: Sep 03, 1992 261 Soil Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
37665	R	8	<	42	7	22	13	6	<	1780	4	<	<	<	11	4	3	<	14	11	106	<	4	3	2	<	0.35	0.01	4.51	0.01	0.12	0.01	0.01
37666	R	8	<	8	4	4	<	<	<	1130	3	<	<	<	8	3	10	<	8	5	41	<	1	3	1	<	0.31	0.01	3.29	0.01	0.15	0.01	<
37667	R	21	<	7	50	<	17	18	<	625	3	<	<	0.1	5	2	55	<	4	10	2	<	36	1	<	<	0.58	<	1.17	<	0.01	0.01	<
37668	R	56	<	4	5	<	15	6	<	1890	9	<	<	0.1	1	2	874	<	88	8	9	<	11	6	1	<	0.12	<	0.58	<	0.01	0.01	<
37669	R	16	0.1	13	31	<	28	<	6	6280	9	<	<	0.2	6	3	35	<	48	7	16	<	20	2	<	<	0.30	<	1.80	<	0.02	0.01	<
37670	R	7	<	39	4	152	17	6	<	730	3	<	<	<	12	5	4	<	9	12	129	<	3	6	2	<	0.44	<	5.00	0.01	0.13	0.01	0.01
37671	R	7	<	36	18	32	19	23	8	9760	5	<	<	<	22	7	2	<	16	24	70	<	14	2	1	<	0.38	<	5.92	<	0.07	0.01	<
37672	R	14	<	7	<	<	37	10	6	5940	2	<	<	<	3	4	217	<	151	4	16	<	14	1	<	<	0.12	0.01	0.91	<	0.01	0.01	<
37673	R	15	<	4	<	<	7	5	<	780	4	<	<	0.1	1	4	673	<	115	3	11	<	15	3	<	<	0.05	<	0.43	<	0.01	0.01	<
37674	R	<	<	6	<	<	7	<	3	4160	2	<	<	<	3	1	52	<	7	5	2	<	26	1	<	<	0.49	<	1.21	<	0.01	0.01	<
37675	R	<	<	11	6	<	13	7	12	Max	4	<	<	<	5	2	18	<	20	4	23	<	13	1	<	<	0.36	<	2.53	<	0.01	0.01	<
37676	R	<	0.1	3	<	<	<	<	<	340	4	<	<	0.1	2	3	1021	<	130	2	12	<	30	2	<	<	0.03	<	0.22	<	0.01	0.01	<
37677	R	<	<	42	12	2	31	11	<	1170	4	<	<	<	5	3	22	5	11	15	32	<	15	2	1	<	0.50	<	3.11	<	0.02	0.01	<
37678	R	<	<	4	2	<	24	<	<	145	1	<	<	<	1	1	1003	<	24	15	2	<	54	1	<	<	0.39	<	0.23	<	<	0.01	<
37679	R	8	<	49	10	36	28	6	<	280	2	<	<	<	4	4	196	<	7	42	146	<	11	2	6	<	1.24	0.04	4.25	0.16	0.15	0.02	0.08
37680	R	56	0.1	13	5	1	30	<	<	1520	4	<	<	0.1	5	3	13	<	15	13	4	<	20	2	1	<	0.45	<	3.04	<	0.04	0.01	0.01
37681	R	26	0.2	18	4	1	36	8	<	1965	3	<	<	0.1	11	3	9	<	11	14	12	<	9	2	1	<	0.51	<	3.35	<	0.01	0.01	<
37682	R	210	<	17	13	<	26	10	6	4640	4	<	<	0.3	11	4	11	<	11	10	5	<	17	2	<	<	0.42	<	3.04	<	0.01	0.01	<
37683	R	<	<	2	56	<	6	<	<	675	1	<	<	<	1	<	415	<	1	10	1	<	59	1	1	<	0.56	<	0.08	<	<	0.01	<
37684	R	5	<	25	16	50	28	7	5	4850	3	<	<	0.3	38	5	50	<	6	12	3	<	19	1	1	<	0.44	<	1.20	<	0.01	0.01	<
37685	R	9	0.1	51	7	4	74	31	<	1660	2	<	<	<	6	2	18	<	1	10	1	<	14	1	1	<	0.59	<	1.64	<	0.03	0.01	<
37686	R	<	0.1	2	5	<	18	7	<	700	2	<	<	0.1	1	<	481	<	5	11	1	<	40	1	<	<	0.50	<	0.19	<	0.01	0.01	<
37687	R	11	0.1	7	40	<	19	11	<	655	2	<	<	0.1	1	2	769	5	27	10	3	<	58	2	<	<	0.42	<	0.35	<	<	0.01	<
37688	R	22	<	181	15	11	38	105	8	7950	2	<	<	0.2	137	16	13	<	15	17	8	<	16	3	1	<	0.49	<	3.88	<	0.01	0.01	<
37689	R	<	<	39	10	1	18	8	<	2275	2	<	<	0.1	29	6	7	5	13	19	22	<	17	1	1	<	0.46	<	3.95	<	0.05	0.01	<
37690	R	12	<	3	<	<	9	9	7	5860	7	<	<	0.1	2	4	1194	<	113	2	11	<	20	1	<	<	0.04	<	0.64	<	0.01	0.01	<
37691	R	14	<	5	11	<	20	11	<	2900	11	<	<	0.1	3	2	390	<	61	4	6	<	28	1	<	<	0.15	<	1.11	<	0.01	0.01	<
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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INTERNATIONAL PLASMA LABORATORY LTD.

36 Co S
Vancouver, B.C
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200585 T Homestake Canada Ltd.
Project: 3181 Ship=05

In: Aug 05, 1992
Out: Aug 09, 1992

32 Rock Chip

Certified BC Assayer David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
37837	R	23	< 6	37	6	16	27	< 1250	5	< 48	0.3	1	5	38	< 139	31	19	3	210	2	1	<	0.55	0.02	0.40	0.01	0.07	0.01	0.01	
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Fax (604) 879-7898

IPL Report: 9200629 T Homestake Canada Ltd. In: Aug 12, 1992 Page 1 of 3 Section 1 of 1
Project: 3181 Ship=06 Out: Aug 15, 1992 92 Rock Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
37567	R	<	<	6	4	72	20	<	3	220	14	19	<	<	5	5	26	<	50	72	979	9	13	2	7	<	2.21	0.18	6.03	2.44	0.01	0.07	0.15
37568	R	<	<	9	7	30	45	<	<	245	8	<	<	<	1	3	301	<	78	10	241	7	13	3	3	<	0.98	0.02	2.62	0.85	0.07	0.05	0.01
37569	R	10	<	14	<	42	19	<	<	165	6	<	<	<	2	5	223	<	34	67	693	7	18	1	5	<	2.52	0.01	5.10	1.89	0.10	0.03	0.04
37570	R	<	<	2	3	14	18	<	<	215	7	<	<	<	2	4	135	<	104	15	125	7	20	11	2	0.02	0.41	0.01	2.51	0.26	0.11	0.05	0.02
37571	R	<	<	5	4	6	<	<	<	195	5	<	<	0.2	2	5	140	<	123	10	36	5	12	8	2	0.06	0.20	0.01	1.45	0.04	0.15	0.06	<
37572	R	<	<	2	5	2	7	<	<	440	8	<	<	0.1	1	3	162	<	72	4	22	5	47	4	<	0.02	0.26	<	2.41	0.04	0.22	0.04	0.01
37573	R	<	0.1	4	2	2	9	<	<	220	5	<	<	<	5	3	24	<	27	5	5	<	3	21	2	<	0.29	<	2.26	<	0.22	0.02	0.03
37574	R	355	<	4	49	8	13	6	7	5850	35	<	<	<	2	5	20	<	182	11	88	<	5	22	1	<	0.30	0.03	1.12	0.20	0.12	0.02	0.02

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Vancouver, B.C.
Canada V5Y 3E1
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Project: 3181 Ship=06 Out: Aug 15, 1992 92 Rock Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
37632	R	<	<	21	4	7	44	<	<	720	5	<	<	0.2	50	5	19	<	9	16	28	<	[illegible]	[illegible]	[illegible]	0.74	< 3.09	< 0.01	0.01	0.01			
37845	R	<	<	19	<	51	20	<	4	1680	2	10	<	0.1	17	4	4	<	9	37	180	<	24	2	7	<	1.14	0.12	6.45	0.26	0.19	0.06	0.13
37846	R	12	1.1	31	<	42	210	6	<	100	4	20	<	1.4	18	3	101	<	6	41	5917	11	245	1	10	<	0.50	11%	5.01	1.73	0.24	0.02	0.14
37847	R	<	<	4	<	4	<	<	<	20	3	<	<	0.8	2	1	1752	<	11	5	6041	6	0.1%	<	1	<	0.26	25%	0.55	0.17	0.04	0.01	0.01
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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IPL Report: 9200701 T Homestake Canada Ltd. In: Aug 28, 1992 Page 1 of 7 Section 1 of 1
Project: 3181/3182 Ship=08 Out: Sep 03, 1992 261 Soil Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
HKS 9	S	9	<	26	18	62	21	<	<	145	3	<	<	0.1	27	4	803	<	2	48	962	4	130	1	5	0.01	1.71	0.33	3.75	0.18	0.23	0.02	0.06
HKS 10	S	8	<	30	11	106	26	<	<	850	3	<	<	<	17	7	153	<	3	50	984	6	85	2	7	<	1.37	0.91	4.88	0.37	0.19	0.02	0.12
HKS 11	S	6	0.1	43	9	130	63	10	<	1375	3	<	<	<	23	7	106	<	1	111	1223	12	111	2	8	0.01	1.47	2.04	7.05	0.74	0.27	0.02	0.30
HKS 12	S	74	1.1	43	10	143	294	14	<	780	3	<	<	<	29	11	105	<	2	92	2152	16	78	2	7	0.01	1.28	0.82	7.27	0.51	0.26	0.02	0.27
HKS 13	S	67	1.4	43	11	115	295	16	<	670	2	<	<	<	26	9	45	<	2	54	2187	12	53	2	9	<	0.84	1.03	6.50	0.26	0.29	0.02	0.26
HKS 14	S	7	<	37	8	117	50	10	<	880	2	<	<	<	20	6	146	<	2	95	1081	10	107	2	8	0.01	1.61	1.61	6.22	0.65	0.28	0.02	0.23
HKS 15	S	57	1.4	44	10	113	330	14	<	600	3	<	<	<	24	10	145	<	2	46	2756	11	42	1	9	<	0.73	0.70	5.96	0.22	0.23	0.02	0.22
HKS 16	S	196	0.9	41	13	111	223	17	<	780	3	<	<	0.1	24	10	123	<	3	71	1872	13	65	2	9	0.01	0.93	0.90	6.54	0.28	0.25	0.02	0.27
HKS 17	S	31	0.6	34	10	96	147	10	<	750	3	<	<	<	21	8	123	<	2	59	1722	11	65	2	8	<	0.82	1.00	5.60	0.27	0.23	0.02	0.21
HKS 18	S	19	0.5	40	13	160	147	13	<	595	4	<	<	0.1	25	9	369	<	3	60	3854	15	48	1	14	<	1.10	0.72	6.70	0.37	0.26	0.02	0.24
HKS 19	S	15	0.1	32	6	90	69	10	<	750	3	<	<	<	20	6	173	<	1	68	1189	9	86	1	8	<	1.40	1.11	5.25	0.50	0.25	0.02	0.19
HKS 20	S	10	0.1	36	8	109	64	8	<	875	3	<	<	<	19	6	127	<	1	84	1114	9	92	2	7	0.01	1.29	1.19	5.80	0.51	0.23	0.02	0.21
HKS 21	S	7	<	21	6	146	25	<	<	1245	2	<	<	<	35	6	205	<	2	72	2201	20	109	1	8	0.02	1.85	0.69	5.20	0.29	0.21	0.03	0.16
HKS 22	S	8	<	26	8	88	44	8	<	860	3	<	<	<	18	5	180	<	1	62	1059	10	99	1	7	0.01	1.23	0.98	4.76	0.41	0.21	0.02	0.17
HKS 23	S	14	0.4	35	16	200	84	11	<	880	5	<	<	0.6	21	10	45	<	4	84	964	11	55	7	7	0.08	1.52	1.32	6.20	1.24	0.13	0.04	0.16
HKS 24	S	<	<	23	20	66	31	<	<	1325	2	<	<	<	13	4	287	<	2	36	450	3	114	1	5	<	1.64	0.67	2.63	0.27	0.25	0.02	0.10
HKS 25	S	<	<	20	16	63	18	<	<	1320	2	<	<	<	15	3	276	<	1	50	433	4	120	1	6	<	1.69	0.50	3.88	0.26	0.23	0.02	0.09
HKS 26	S	8	0.2	30	14	159	67	12	<	625	5	<	<	0.3	19	10	75	<	4	82	1124	14	75	6	8	0.07	1.75	1.41	5.50	1.29	0.19	0.05	0.18
HKS 27	S	<	0.1	31	14	132	72	10	<	615	4	<	<	<	18	8	84	6	4	91	1256	13	110	6	8	0.07	1.52	1.53	5.83	1.04	0.22	0.04	0.14
HKS 28	S	5	0.2	32	15	147	71	11	<	680	4	<	<	0.1	18	9	74	<	4	82	1105	12	120	6	8	0.06	1.51	1.50	5.52	1.09	0.20	0.04	0.17
HKS 29	S	5	0.2	25	16	125	66	9	<	1120	4	<	<	<	17	8	67	<	3	77	1050	12	79	5	7	0.06	1.44	1.42	5.37	1.09	0.16	0.03	0.15
HKS 30	S	<	0.1	22	14	248	13	<	<	910	4	<	<	4.0	36	13	343	<	2	40	6957	46	74	2	6	0.01	5.22	0.37	3.49	0.27	0.18	0.03	0.11
HKS 31	S	6	0.1	26	7	178	62	6	<	680	4	<	<	0.3	17	8	66	<	4	81	1064	11	64	5	8	0.06	1.52	1.51	5.40	1.22	0.15	0.04	0.15
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Project: 3181 Ship=04 | Out: Aug 09, 1992 | 211 Soil,Rock | Certified BC Assayer David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L	5+00N	28+50E	S	42	0.5	61	22	75	49	<	7	95	14	<	4	<	7	8	89	<	1	115	631	22	40	8	10	0.02	2.64	0.02	12%	1.60	0.37	0.12
L	5+00N	29+00E	S	55	0.9	67	26	87	63	<	<	105	16	<	5	<	13	8	133	<	4	140	778	24	45	9	12	0.07	2.52	0.02	12%	1.21	0.19	0.06
L	5+00N	29+50E	S	65	1.0	76	23	117	67	<	<	115	16	<	5	<	16	8	161	<	2	127	1048	19	39	6	12	0.03	2.64	0.02	12%	1.10	0.19	0.05
L	5+00N	30+00E	S	52	0.7	149	23	292	36	<	3	150	10	<	6	<	124	11	169	<	3	179	4337	13	18	7	17	0.03	4.34	0.02	14%	2.47	0.04	0.02
L	5+00N	30+50E	S	26	0.5	251	26	523	13	9	<	255	28	<	<	2.0	201	10	2033	<	6	97	1.5%	83	64	3	13	0.01	3.72	0.24	9.63	1.53	0.04	0.02
L	5+00N	31+00E	S	37	0.9	202	29	405	46	7	5	300	18	<	<	<	76	12	272	<	4	117	7712	62	104	5	16	0.01	4.14	0.03	13%	2.00	0.11	0.05
L	5+00N	31+50E	S	38	0.6	160	28	438	28	<	<	210	17	<	5	<	44	14	508	<	8	136	5237	45	27	5	15	0.02	4.18	0.07	12%	2.74	0.05	0.02
L	5+00N	32+00E	S	52	0.4	199	26	430	44	8	8	180	12	<	<	0.6	45	16	492	<	8	221	4375	22	46	8	17	0.11	4.29	0.09	12%	2.87	0.10	0.04
L	8+00N	20+50E	S	28	0.5	64	25	123	54	23	6	3460	10	<	<	<	27	13	179	<	8	134	1663	9	33	5	8	0.05	2.45	0.29	7.84	1.94	0.04	0.02
L	8+00N	21+00E	S	22	0.2	58	18	132	42	24	4	2830	8	<	<	<	19	13	242	<	10	139	1577	10	40	7	8	0.06	2.39	1.95	6.57	1.98	0.05	0.02
L	8+00N	21+50E	S	38	0.3	32	32	91	44	14	6	3080	12	<	<	<	10	8	83	<	7	90	841	6	17	4	5	0.02	1.37	0.14	6.65	1.14	0.05	0.02
L	8+00N	22+00E	S	46	0.5	44	51	161	36	33	10	8050	14	<	6	<	26	12	252	<	9	154	2412	17	43	8	10	0.05	3.01	1.45	7.54	2.39	0.07	0.02
L	8+00N	22+50E	S	19	0.3	50	11	189	16	<	3	410	6	<	2	<	29	11	139	<	8	182	2698	20	30	9	13	0.08	3.36	0.96	8.22	2.72	0.04	0.02
L	8+00N	23+00E	S	36	0.6	51	26	190	35	13	3	900	8	<	<	0.3	22	17	83	<	11	136	1829	16	40	9	9	0.05	2.82	1.87	7.28	2.38	0.07	0.02
Min Limit				5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*				9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method				FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Sample Name		P %
E	3+00N 28+50E	0.38
L	5+00N 29+00E	0.35
L	5+00N 29+50E	0.35
L	5+00N 30+00E	0.40
L	5+00N 30+50E	0.14
L	5+00N 31+00E	0.35
L	5+00N 31+50E	0.25
L	5+00N 32+00E	0.31
L	8+00N 20+50E	0.21
L	8+00N 21+00E	0.18
L	8+00N 21+50E	0.15
L	8+00N 22+00E	0.19
L	8+00N 22+50E	0.17
L	8+00N 23+00E	0.19
Min Limit		0.01
Max Reported*		5.00
Method		ICP

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Project: 3181 Ship=04 | Out: Aug 09, 1992 | 211 Soil,Rock | Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 8+00N	23+50E S	45	0.7	80	43	175	86	25	7	4110	11	<	<	0.5	26	21	35	<	19	100	1450	10	34	7	6	0.02	2.03	0.78	7.28	1.54	0.07	0.02
L 8+00N	24+00E S	58	<	44	47	65	60	24	<	Max	19	<	<	<	6	6	147	<	6	58	529	5	20	4	4	0.01	1.02	0.06	6.26	0.70	0.07	0.02
L 8+00N	27+00E S	139	0.4	23	46	15	442	84	11	3190	116	<	<	<	2	4	315	<	2	34	28	<	13	3	2	<	0.31	<	7.88	0.01	0.02	0.01
L 8+00N	27+50E S	75	0.1	12	35	7	137	62	<	2640	12	<	9	<	1	1	164	<	<	28	7	<	34	2	1	<	0.20	<	4.75	<	0.04	0.01
L 8+00N	28+00E S	25	0.1	8	22	12	180	32	<	740	8	<	14	<	2	2	233	<	2	28	57	<	11	2	1	<	0.37	<	4.28	0.03	0.04	0.02
L 8+00N	28+50E S	5	<	8	12	40	18	6	<	425	3	<	<	<	7	3	1087	<	2	27	912	11	47	2	2	<	1.20	0.12	3.35	0.14	0.14	0.02
L 8+00N	29+00E S	<	0.2	2	10	9	13	<	<	520	1	<	<	0.1	1	1	302	<	<	12	64	8	141	1	1	<	0.62	0.25	1.95	0.11	0.18	0.03
L 8+00N	29+50E S	35	0.1	17	14	76	29	9	<	200	4	<	<	<	14	6	973	<	3	40	2192	34	89	3	2	<	1.78	0.18	4.72	0.28	0.20	0.03
L 8+00N	30+00E S	<	0.1	8	19	11	23	6	<	645	2	<	<	<	2	1	496	<	<	9	108	11	69	1	2	<	0.60	0.24	3.30	0.07	0.17	0.02
L 8+00N	30+50E S	<	0.1	2	16	11	16	<	<	310	3	<	<	<	1	<	359	<	<	8	50	12	106	1	1	<	0.39	0.29	2.17	0.06	0.22	0.02
L 8+00N	31+00E S	21	<	54	9	25	50	5	<	260	1	<	<	0.1	13	3	1234	<	<	11	1917	12	69	2	4	<	0.62	0.46	1.94	0.09	0.14	0.02
L 8+00N	31+50E S	90	0.2	27	4	93	12	<	<	115	2	<	<	<	15	3	756	<	<	49	1659	19	26	2	4	<	1.51	0.70	4.69	0.64	0.09	0.02
L 8+00N	32+00E S	83	0.3	24	10	98	56	6	<	190	3	<	<	<	13	4	898	<	1	45	1169	16	31	3	4	<	1.60	0.47	4.74	0.70	0.10	0.02
L 10+00N	22+50E S	18	<	18	15	19	82	13	<	1720	4	<	<	<	2	2	107	<	<	32	28	<	24	2	1	<	0.34	0.01	5.70	0.02	0.13	0.02
L 10+00N	23+00E S	6	<	3	6	7	97	<	<	1460	4	<	<	<	2	4	58	<	<	61	5	<	8	2	1	<	0.14	<	8.24	<	0.25	0.03
L 10+00N	23+50E S	6	<	1	14	4	19	<	<	1030	3	<	<	<	<	<	97	<	<	3	2	<	14	1	6	<	0.12	<	1.48	<	0.19	0.01
L 10+00N	24+00E S	14	<	5	16	8	27	8	<	710	5	<	<	<	1	<	218	<	<	15	4	<	11	1	1	<	0.34	<	2.36	<	0.09	0.01
L 10+00N	24+50E S	8	<	6	16	4	25	7	<	1180	3	<	<	<	1	1	102	<	<	12	2	<	6	1	<	<	0.21	<	2.86	<	0.14	0.01
L 10+00N	25+00E S	5	<	3	9	8	18	<	<	1540	2	<	<	0.3	1	<	111	<	<	6	3	<	14	1	1	<	0.20	<	1.59	<	0.14	0.01
L 10+00N	25+50E S	22	0.2	17	29	5	204	29	7	3870	7	12	<	<	1	2	64	<	<	34	3	<	12	2	1	<	0.18	<	5.37	<	0.27	0.02
L 10+00N	26+00E S	29	<	18	19	5	46	32	<	910	3	<	<	<	1	1	98	<	1	29	5	<	5	2	2	<	0.29	<	3.72	0.01	0.03	0.01
L 10+00N	26+50E S	77	0.5	65	22	23	260	52	<	500	11	<	12	<	2	5	297	<	2	79	49	<	15	1	3	<	0.63	0.01	6.16	0.05	0.03	0.01
L 10+00N	27+00E S	188	0.2	21	99	14	778	90	7	4270	39	<	8	<	2	3	221	<	2	46	30	<	13	3	2	0.01	0.29	<	5.46	0.01	0.03	0.01
L 10+00N	27+50E S	16	0.1	1	10	4	91	11	<	240	5	<	<	<	<	<	333	<	<	17	2	<	3	1	1	<	0.29	<	2.00	<	0.02	0.01
L 10+00N	28+00E S	19	0.4	36	16	27	89	38	<	490	8	<	<	<	3	5	221	<	4	63	103	<	12	9	4	0.01	0.85	0.01	5.62	0.07	0.05	0.02
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Project: 3181 Ship=04 | Out: Aug 09, 1992 | 211 Soil,Rock | Certified BC Assayer David Chiu

Sample Name	P %
L 8+00N 23+50E	S 0.18
L 8+00N 24+00E	S 0.12
L 8+00N 27+00E	S 0.04
L 8+00N 27+50E	S 0.01
L 8+00N 28+00E	S 0.04
L 8+00N 28+50E	S 0.10
L 8+00N 29+00E	S 0.03
L 8+00N 29+50E	S 0.16
L 8+00N 30+00E	S 0.12
L 8+00N 30+50E	S 0.08
L 8+00N 31+00E	S 0.09
L 8+00N 31+50E	S 0.19
L 8+00N 32+00E	S 0.15
L 8+00N 32+25E	S 0.14
L 10+00N 22+50E	S 0.06
L 10+00N 23+00E	S 0.08
L 10+00N 23+50E	S 0.07
L 10+00N 24+00E	S 0.02
L 10+00N 24+50E	S 0.02
L 10+00N 25+00E	S 0.02
L 10+00N 25+50E	S 0.02
L 10+00N 26+00E	S 0.01
L 10+00N 26+50E	S 0.06
L 10+00N 27+00E	S 0.04
L 10+00N 27+50E	S <
L 10+00N 28+00E	S 0.06

Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 10+00N	28+50E	S	<	0.2	4	12	32	46	14	<	150	4	<	<	<	2	2	112	<	<	15	85	<	20	2	2	<	0.19	<	4.81	0.01	0.46	0.02
L 10+00N	29+00E	S	<	0.2	3	13	8	15	<	<	630	4	<	<	<	1	1	114	<	<	7	9	<	31	1	1	<	0.27	<	3.05	<	0.23	0.02
L 10+00N	29+50E	S	<	0.1	2	10	12	10	9	<	215	3	<	<	<	1	1	239	<	<	7	13	<	58	1	1	<	0.27	0.01	2.54	0.01	0.16	0.02
L 10+00N	30+00E	S	<	0.2	3	9	14	15	8	<	670	3	<	<	<	1	1	314	<	<	9	19	5	32	1	1	<	0.42	<	2.16	0.02	0.18	0.03
L 10+00N	30+50E	S	<	0.1	2	12	9	11	<	<	530	3	<	<	0.2	1	1	221	<	<	7	16	3	68	1	1	<	0.41	0.02	1.43	0.01	0.21	0.02
L 10+00N	31+00E	S	32	0.2	2	21	17	78	17	3	2460	14	<	<	<	2	2	168	<	<	22	112	5	146	1	5	<	0.52	0.10	4.35	0.05	0.34	0.05
L 10+00N	31+50E	S	6	0.2	6	13	30	20	<	<	465	2	<	<	<	4	1	201	<	<	17	514	7	57	2	3	<	0.70	0.06	3.49	0.11	0.26	0.04
L 10+00N	32+00E	S	<	0.2	13	7	48	8	<	<	150	2	<	<	<	7	2	384	<	1	42	1048	11	63	1	5	<	0.82	0.71	3.62	0.33	0.17	0.02
L 10+00N	32+50E	S	<	0.1	5	12	18	16	5	<	1290	3	<	<	<	2	1	206	<	<	13	167	4	54	1	1	<	0.36	0.03	2.58	0.05	0.19	0.03
L 10+00N	33+00E	S	5	0.3	46	12	78	12	<	<	140	2	<	<	0.1	18	5	490	<	1	32	1576	15	34	1	5	<	1.08	0.61	3.53	0.31	0.11	0.02
L 10+00N	33+50E	S	<	0.2	12	4	54	16	<	<	120	3	<	<	<	18	3	583	<	1	37	1597	10	191	1	6	<	0.86	0.13	4.59	0.25	0.12	0.03
L 10+00N	34+00E	S	<	0.2	12	12	105	7	<	<	210	2	<	<	<	71	5	1152	<	1	36	4121	25	111	1	11	<	1.43	0.51	5.86	0.47	0.08	0.02
L 10+00N	34+50E	S	<	0.2	40	23	59	26	<	<	520	4	<	<	<	15	7	331	<	9	21	1226	15	92	2	4	<	0.74	0.54	3.47	0.11	0.26	0.02
L 10+00N	35+00E	S	<	0.3	35	10	112	24	11	3	75	5	<	<	<	23	18	737	<	26	144	1594	14	39	9	11	0.11	2.45	0.39	7.16	1.98	0.06	0.04
Min Limit			5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Project: 3181 Ship=04 | Out: Aug 09, 1992 | 211 Soil,Rock | Certified BC Assayer David Chiu

Sample Name	P %
L 10+00N 28+50E	S 0.15
L 10+00N 29+00E	S 0.04
L 10+00N 29+50E	S 0.05
L 10+00N 30+00E	S 0.07
L 10+00N 30+50E	S 0.08
L 10+00N 31+00E	S 0.33
L 10+00N 31+50E	S 0.15
L 10+00N 32+00E	S 0.13
L 10+00N 32+50E	S 0.08
L 10+00N 33+00E	S 0.12
L 10+00N 33+50E	S 0.15
L 10+00N 34+00E	S 0.19
L 10+00N 34+50E	S 0.15
L 10+00N 35+00E	S 0.14

Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 7+00N 21+00E	$ 68	0.6	107	33	131	55	19	<	1610	9	<	<	0.5	19	24	273	<	17	121	1567	11	38	6	7	0.06	2.11	1.00	6.55	1.53	0.07	0.02
L 7+00N 21+50E	$ 44	0.4	77	27	120	46	21	<	1260	9	<	<	0.5	18	22	167	<	15	116	1461	12	46	6	7	0.06	2.01	1.39	6.28	1.43	0.07	0.02
L 7+00N 22+00E	$ 31	0.2	45	26	55	49	5	<	530	16	<	5	<	10	10	105	<	6	89	669	13	34	5	6	0.04	1.39	0.13	7.48	0.99	0.39	0.06
L 7+00N 23+00E	$ 15	0.3	78	21	172	37	13	<	2340	9	<	<	0.3	21	19	176	<	17	122	1787	13	55	5	7	0.04	2.41	3.02	6.32	2.02	0.07	0.02
L 7+00N 24+50E	$ 26	0.3	100	22	172	76	40	14	Max	17	<	<	0.3	27	14	169	<	12	122	2244	15	22	3	8	0.02	2.61	0.57	7.04	2.31	0.04	0.02
L 7+00N 25+00E	$ 37	0.2	43	27	189	54	<	<	1990	12	<	<	0.4	26	16	58	<	9	142	1961	17	33	10	10	0.07	3.16	1.00	8.36	2.56	0.06	0.02
L 7+00N 29+00E	$ 21	0.2	25	10	55	22	<	<	170	7	<	<	<	10	7	90	<	9	64	335	15	17	24	2	0.16	2.70	0.10	5.14	0.39	0.06	0.02
Min Limit	5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Project: 3181 Ship=03 | Out: Aug 04, 1992 | 429 Soil/Rock | Certified BC Assayer David Chiu

Sample Name	P %
L 7+00N 21+00E	S 0.21
L 7+00N 21+50E	S 0.22
L 7+00N 22+00E	S 0.23
L 7+00N 23+00E	S 0.18
L 7+00N 24+50E	S 0.16
L 7+00N 25+00E	S 0.18
L 7+00N 29+00E	S 0.09
Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 7+00N 29+50E	S	26	0.2	32	24	116	41	5	<	150	9	<	<	<	13	7	648	<	5	66	1028	14	106	2	1	0.01	1.86	0.34	5.08	0.75	0.14	0.03
L 7+00N 30+00E	S	42	0.2	15	42	175	13	<	<	510	10	<	<	0.5	16	5	817	<	<	95	1108	16	87	<	4	<	0.81	0.66	6.12	0.27	0.11	0.01
L 7+00N 30+50E	S	45	<	6	26	38	14	<	<	330	5	<	<	<	3	3	254	<	<	86	94	6	132	<	2	<	0.56	0.13	6.16	0.05	0.18	0.02
L 7+00N 31+00E	S	60	0.1	19	60	119	34	10	<	415	11	<	<	<	10	4	269	<	1	73	715	11	75	3	4	0.01	0.88	0.27	5.11	0.21	0.13	0.03
L 7+00N 31+50E	S	27	0.4	93	19	257	51	10	3	135	11	<	<	<	31	12	519	<	6	170	2304	23	32	8	12	0.11	3.85	0.12	9.40	2.27	0.07	0.03
L 7+00N 32+00E	S	35	<	64	19	192	35	7	<	205	9	<	<	<	17	8	788	<	9	100	1706	23	40	2	9	0.03	2.75	0.12	6.34	1.76	0.07	0.02
L 9+00N 22+00E	S	42	0.3	45	39	56	79	12	<	2700	17	<	<	<	6	7	126	<	8	77	494	4	24	2	3	0.01	1.07	0.05	8.24	0.72	0.11	0.02
L 9+00N 22+50E	S	62	0.4	37	56	60	88	26	3	2150	23	<	<	<	5	6	157	<	5	69	510	7	30	3	3	0.01	1.14	0.09	7.21	0.72	0.15	0.02
L 9+00N 23+00E	S	51	0.3	51	48	74	76	31	3	2240	30	<	<	<	6	6	164	<	6	71	623	9	46	3	4	0.01	1.52	0.13	6.59	0.84	0.27	0.02
L 9+00N 23+50E	S	16	0.1	9	21	15	53	10	<	1060	6	<	<	<	2	3	145	<	<	30	34	2	15	<	1	<	0.29	0.01	4.95	0.04	0.22	0.02
L 9+00N 24+00E	S	50	0.2	30	66	62	74	19	<	1490	33	<	<	<	4	4	199	<	2	58	334	8	36	2	3	<	0.91	0.06	6.09	0.40	0.19	0.02
L 9+00N 24+50E	S	40	0.2	4	41	24	44	10	<	2230	8	<	<	<	2	2	162	<	<	39	44	6	23	<	1	<	0.40	0.01	4.11	0.07	0.14	0.02
L 9+00N 25+00E	S	12	0.2	3	23	15	37	<	<	570	3	<	<	<	1	1	93	<	<	5	7	<	7	<	2	<	0.20	<	1.89	0.01	0.25	0.02
L 9+00N 25+50E	S	9	0.2	2	11	10	11	11	<	1510	2	<	<	<	1	<	196	<	<	8	4	<	6	<	<	<	0.17	<	0.93	0.01	0.11	0.01
L 9+00N 26+00E	S	7	<	4	3	6	8	13	<	945	2	<	<	<	1	<	168	<	<	6	1	<	5	<	1	<	0.27	<	0.70	<	0.04	0.01
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 3 of 11 Section 2 of 2
Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name	P %
L 7+00N 29+50E	0.16
L 7+00N 30+00E	0.24
L 7+00N 30+50E	0.07
L 7+00N 31+00E	0.14
L 7+00N 31+50E	0.25
L 7+00N 32+00E	0.11
L 9+00N 22+00E	0.12
L 9+00N 22+50E	0.14
L 9+00N 23+00E	0.14
L 9+00N 23+50E	0.10
L 9+00N 24+00E	0.16
L 9+00N 24+50E	0.13
L 9+00N 25+00E	0.05
L 9+00N 25+50E	<
L 9+00N 26+00E	<
Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 4 of 11 Section 1 of 2
Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L	9+00N	26+50E	S	21	0.1	1	30	8	209	69	89	Max	6	<	<	<	1	<	830	<	<	6	3	<	10	1	1	<	0.20	<	1.40	<	0.05	0.01
L	9+00N	27+00E	S	92	0.1	18	35	18	240	55	6	6380	14	<	<	<	2	2	558	<	2	29	55	<	13	1	1	<	0.37	0.01	3.47	0.05	0.03	0.01
L	9+00N	27+50E	S	28	0.1	4	16	10	36	28	27	Max	4	<	<	0.2	1	1	386	<	<	13	7	<	5	1	1	<	0.31	<	1.44	0.01	0.04	0.01
L	9+00N	28+00E	S	24	0.1	55	48	36	113	68	6	4440	13	<	<	<	6	10	102	<	8	76	90	<	7	12	3	0.09	0.41	<	14%	0.02	0.04	0.02
L	9+00N	28+50E	S	10	0.2	<	19	4	8	12	<	750	4	<	<	<	<	2	61	<	<	4	2	<	5	1	<	<	0.16	<	3.33	<	0.64	0.02
L	9+00N	29+00E	S	<	0.2	2	17	8	6	<	<	1030	3	<	<	<	1	<	176	<	<	5	6	4	105	<	<	<	0.22	0.01	1.44	0.01	0.21	0.02
L	9+00N	29+50E	S	<	0.1	23	23	80	21	<	<	335	3	<	<	<	23	4	611	<	1	16	2770	11	32	<	5	<	0.42	0.35	5.87	0.04	0.08	0.02
L	9+00N	30+00E	S	20	0.1	17	11	47	25	5	<	170	3	<	<	<	16	4	398	<	1	38	1825	13	46	<	3	<	1.16	0.18	3.85	0.29	0.13	0.02
L	9+00N	30+50E	S	24	0.2	11	15	26	48	<	<	130	3	<	<	<	6	2	392	<	<	15	770	10	48	<	1	<	0.65	0.08	2.28	0.10	0.12	0.02
L	9+00N	31+00E	S	115	0.3	25	18	37	223	12	<	140	2	<	<	<	13	2	691	<	1	13	1364	14	46	1	2	<	0.76	0.15	2.38	0.10	0.11	0.02
L	9+00N	31+50E	S	15	<	35	11	55	9	<	<	220	2	<	<	<	23	3	656	<	<	31	1696	11	60	<	3	<	0.92	0.26	2.64	0.19	0.13	0.02
L	9+00N	32+00E	S	11	<	18	11	31	19	<	<	560	3	<	<	<	9	2	294	<	<	26	693	5	72	<	3	<	0.51	0.27	4.24	0.08	0.19	0.02
Min Limit				5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*				9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method				FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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iPL Report: 9200560 1 Homestake Canada Ltd. | In: Jul 30, 1992 | Page 4 of 11 | Section 2 of 2
Project: 3181 Ship=03 | Out: Aug 04, 1992 | 429 Soil/Rock | Certified BC Assayer | David Chiu

Sample Name	P %
L 9+00N 26+50E	<
L 9+00N 27+00E	0.03
L 9+00N 27+50E	<
L 9+00N 28+00E	0.09
L 9+00N 28+50E	<
L 9+00N 29+00E	0.07
L 9+00N 29+50E	0.15
L 9+00N 30+00E	0.13
L 9+00N 30+50E	0.08
L 9+00N 31+00E	0.09
L 9+00N 31+50E	0.08
L 9+00N 32+00E	0.10

Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Canada V5Y 3E1
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iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 5 of 11 Section 1 of 2
Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 11+00N	24+00E	S	23	0.3	8	17	4	45	28	<	1510	8	<	<	<	1	1	129	<	<	15	8	<	7	<	1	<	0.22	<	2.37	0.01	0.06	0.01
L 11+00N	24+50E	S	10	0.3	3	10	3	26	13	4	4100	5	<	<	<	1	1	70	<	<	20	2	<	6	<	<	<	0.17	<	3.06	<	0.09	0.01
L 11+00N	25+00E	S	171	0.5	62	94	8	863	14	8	5940	55	<	<	<	4	9	121	<	1	89	19	<	9	1	1	<	0.15	<	15%	0.01	0.07	0.02
L 11+00N	25+50E	S	30	0.3	53	25	38	77	22	<	1780	7	<	<	<	6	5	474	<	6	50	287	3	16	<	1	0.01	0.96	0.09	4.65	0.17	0.15	0.03
L 11+00N	26+00E	S	67	0.1	44	13	20	135	41	<	1230	8	<	<	<	2	4	192	<	3	42	48	3	12	1	2	<	0.41	0.01	5.38	0.04	0.06	0.02
L 11+00N	26+50E	S	50	0.3	59	23	78	92	24	6	5640	4	<	<	<	18	11	217	<	20	105	919	6	11	3	8	0.03	1.95	0.03	5.65	0.75	0.07	0.02
L 11+00N	27+00E	S	10	0.1	4	21	19	24	18	<	2930	5	<	<	<	2	1	320	<	1	13	59	4	20	1	1	<	0.36	0.01	2.09	0.01	0.10	0.01
L 11+00N	27+50E	S	<	<	12	9	54	5	<	<	510	2	<	<	<	5	3	224	<	<	16	259	6	25	<	3	<	0.46	0.03	4.58	0.13	0.19	0.03
L 11+00N	28+00E	S	5	0.2	3	19	25	54	<	<	1490	8	<	<	<	1	1	167	<	<	14	49	4	35	<	<	<	0.31	0.04	2.94	0.07	0.29	0.03
L 11+00N	28+50E	S	22	0.2	6	50	13	36	29	<	2340	11	<	<	<	2	3	159	<	2	28	35	3	72	<	1	<	0.36	0.01	3.52	0.03	0.17	0.02
L 11+00N	29+00E	S	42	0.2	4	30	7	23	17	<	790	4	<	<	<	1	1	157	<	<	19	13	2	32	<	2	<	0.36	<	2.63	0.02	0.11	0.02
L 11+00N	29+50E	S	7	0.2	11	13	29	14	5	<	1030	2	<	<	<	9	2	184	<	1	15	806	5	66	<	2	<	0.61	0.21	3.30	0.09	0.27	0.05
L 11+00N	30+00E	S	10	0.3	15	26	5	63	<	<	240	7	<	<	<	1	2	163	<	3	15	10	2	349	<	2	<	0.24	0.01	5.04	<	0.45	0.03
L 11+00N	30+50E	S	<	0.1	66	43	48	22	<	<	775	7	<	<	0.2	39	36	1964	<	2	3	5205	11	137	1	2	<	0.92	0.21	3.36	0.03	0.13	0.01
L 11+00N	31+00E	S	<	0.3	40	35	52	31	6	<	350	11	<	<	<	12	6	488	<	2	12	1008	19	93	1	2	<	1.02	0.39	3.67	0.14	0.22	0.02
L 11+00N	31+50E	S	<	0.2	20	23	46	22	<	<	110	9	<	<	<	8	3	946	<	2	11	733	13	43	2	<	<	1.04	0.11	2.57	0.10	0.15	0.02
L 11+00N	32+00E	S	<	0.1	14	16	49	18	<	<	90	6	<	<	<	4	3	467	<	4	18	337	6	81	2	1	<	1.10	0.06	2.41	0.07	0.12	0.02
L 11+00N	32+50E	S	11	0.1	17	17	39	27	11	<	290	5	<	<	<	6	3	599	<	4	31	380	8	159	1	1	<	1.08	0.07	3.87	0.10	0.26	0.03
L 11+00N	33+00E	S	5	<	19	12	75	16	<	<	100	4	<	<	<	7	6	663	<	7	29	696	9	53	<	<	0.01	1.33	0.15	3.15	0.10	0.13	0.02
L 11+00N	33+50E	S	<	0.1	16	11	53	16	5	<	105	4	<	<	<	7	6	555	<	10	51	533	6	47	<	<	0.02	0.92	0.39	3.63	0.14	0.12	0.02
L 11+00N	34+00E	S	15	0.2	23	15	77	38	6	<	250	6	<	<	<	10	6	423	<	10	48	382	13	21	1	1	0.01	1.93	0.03	4.12	0.10	0.07	0.02
L 11+00N	34+50E	S	23	0.1	21	19	33	95	21	<	3500	8	<	<	<	3	3	537	<	2	30	67	6	34	<	3	<	0.48	0.05	5.90	0.03	0.08	0.01
L 11+00N	35+00E	S	134	0.1	15	17	23	82	16	<	2950	7	<	<	<	2	4	247	<	2	29	41	8	131	<	4	<	0.61	0.01	6.85	0.03	0.15	0.03
L 12+00N	25+00E	S	39	0.3	21	16	24	34	17	<	1000	5	<	<	<	2	3	161	<	3	25	46	4	17	1	3	<	0.48	0.01	3.95	0.07	0.09	0.02
L 12+00N	25+50E	S	53	0.1	36	13	14	67	12	<	1735	5	<	<	<	3	4	125	<	8	67	35	<	6	2	2	0.01	0.41	<	8.10	0.02	0.05	0.01
L 12+00N	27+00E	S	736	0.3	9	13	22	24	12	<	930	4	<	<	<	2	2	228	<	1	17	60	5	22	<	2	<	0.50	0.01	2.99	0.05	0.16	0.02
L 12+00N	28+00E	S	145	0.2	16	12	45	54	10	<	845	4	<	<	<	8	4	438	<	3	26	745	8	46	<	1	<	0.80	0.07	4.08	0.13	0.12	0.02
L 12+00N	28+50E	S	10	0.3	6	8	29	13	<	<	925	1	<	<	<	5	1	224	<	<	13	316	15	139	1	2	<	0.54	0.03	4.02	0.03	0.23	0.06
Min Limit			5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Sample Name	P %
L 11+00N 24+00E	S 0.01
L 11+00N 24+50E	S 0.01
L 11+00N 25+00E	S 0.04
L 11+00N 25+50E	S 0.10
L 11+00N 26+00E	S 0.07
L 11+00N 26+50E	S 0.09
L 11+00N 27+00E	S 0.04
L 11+00N 27+50E	S 0.17
L 11+00N 28+00E	S 0.15
L 11+00N 28+50E	S 0.08
L 11+00N 29+00E	S 0.06
L 11+00N 29+50E	S 0.09
L 11+00N 30+00E	S 0.07
L 11+00N 30+50E	S 0.20
L 11+00N 31+00E	S 0.14
L 11+00N 31+50E	S 0.14
L 11+00N 32+00E	S 0.13
L 11+00N 32+50E	S 0.12
L 11+00N 33+00E	S 0.13
L 11+00N 33+50E	S 0.14
L 11+00N 34+00E	S 0.11
L 11+00N 34+50E	S 0.13
L 11+00N 35+00E	S 0.14
L 12+00N 25+00E	S 0.06
L 12+00N 25+50E	S 0.08
L 12+00N 27+00E	S 0.08
L 12+00N 28+00E	S 0.10
L 12+00N 28+50E	S 0.14
Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200586 T Homestake Canada Ltd. In: Aug 05, 1992 Page 4 of 6 Section 1 of 2
Project: 3181 Ship=04 Out: Aug 09, 1992 211 Soil,Rock Certified BC Assayer David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 13+00N	26+00E	11	0.2	32	19	72	17	12	<	520	3	<	<	<	8	4	403	<	4	45	242	4	27	2	5	<	1.05	0.06	5.52	0.11	0.10	0.02
L 13+00N	26+50E	<	0.2	22	12	51	16	8	<	405	3	<	<	0.1	13	4	469	<	4	27	435	4	37	2	4	<	0.82	0.15	3.60	0.13	0.13	0.02
L 13+00N	27+00E	6	0.4	28	18	86	9	<	<	320	4	<	<	<	13	9	686	<	5	64	2712	3	66	3	7	<	1.21	0.31	9.06	0.17	0.13	0.02
L 13+00N	27+50E	9	0.2	45	22	85	24	12	4	410	3	<	<	<	20	5	316	<	3	29	1636	6	16	1	5	<	1.75	0.01	4.23	0.26	0.12	0.02
L 13+00N	28+00E	<	0.1	7	8	19	21	<	<	700	3	<	<	<	2	2	261	<	<	15	63	5	27	1	2	<	0.69	<	4.18	0.07	0.14	0.03
L 13+00N	28+50E	14	<	31	17	69	17	5	<	385	3	<	<	<	19	5	271	<	5	40	1018	8	39	1	5	<	1.31	0.02	4.19	0.24	0.15	0.03
L 13+00N	29+00E	25	0.1	38	19	88	40	9	<	525	3	<	<	<	17	6	513	<	6	50	1602	11	43	2	5	<	1.64	0.11	4.75	0.31	0.12	0.02
L 13+00N	29+50E	13	<	19	12	72	11	6	<	595	3	<	<	<	15	3	1133	<	3	29	3003	17	28	2	3	<	1.08	0.35	4.20	0.35	0.07	0.02
L 13+00N	30+00E	10	<	34	13	70	21	<	<	110	3	<	<	<	12	7	516	<	6	40	1303	15	17	4	2	<	1.92	0.10	4.00	0.33	0.08	0.02
L 13+00N	30+50E	24	0.2	184	5	70	<	5	4	175	2	<	<	<	33	10	892	<	7	63	1351	<	36	2	8	<	1.78	0.95	4.14	0.72	0.13	0.02
L 13+00N	31+00E	9	<	31	28	28	9	<	<	60	7	<	<	<	13	5	776	<	2	15	1672	8	51	1	2	<	0.98	0.52	3.42	0.32	0.12	0.01
L 13+00N	31+50E	10	<	22	14	76	<	<	<	110	2	<	<	<	29	4	551	<	4	37	1765	3	34	2	7	<	1.46	0.30	4.16	0.21	0.12	0.02
L 13+00N	32+00E	5	<	42	16	120	<	<	<	100	2	<	<	<	28	7	1340	<	4	33	1592	3	34	1	6	<	1.47	0.36	3.80	0.26	0.12	0.02
L 13+00N	32+50E	8	0.3	64	22	417	<	6	<	285	5	<	<	0.5	82	41	1109	<	4	34	5309	7	39	2	8	<	2.50	0.29	7.01	0.25	0.13	0.02
L 13+00N	33+00E	<	0.1	2	3	8	30	<	<	605	2	<	<	0.1	2	<	840	<	<	11	47	<	199	<	1	<	0.47	0.02	1.26	0.02	0.09	0.01
L 13+00N	33+50E	<	<	8	5	41	10	<	<	90	1	<	<	<	5	2	764	<	1	23	499	3	191	1	2	<	1.36	0.03	2.98	0.17	0.13	0.02
L 13+00N	34+00E	<	0.1	10	11	40	17	<	<	215	2	<	<	<	3	2	223	<	<	17	125	2	257	1	4	<	0.71	0.03	4.37	0.06	0.16	0.04
L 13+00N	34+50E	<	0.1	26	14	96	10	<	<	130	3	<	<	<	19	5	924	<	4	39	1227	5	64	2	5	<	1.40	0.18	4.42	0.28	0.08	0.02
L 13+00N	35+00E	<	<	7	5	28	52	<	<	735	4	<	<	<	5	2	451	<	<	25	316	2	68	1	3	<	0.72	0.01	2.83	0.07	0.07	0.02
Min Limit		5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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IPL Report: 9200586 T Homestake Canada Ltd. | In: Aug 05, 1992 | Page 4 of 6 | Section 2 of 2
Project: 3181 Ship=04 | Out: Aug 09, 1992 | 211 Soil,Rock | Certified BC Assayer David Chiu

Sample Name	P %
L 13+00N 26+00E	S 0.07
L 13+00N 26+50E	S 0.07
L 13+00N 27+00E	S 0.09
L 13+00N 27+50E	S 0.13
L 13+00N 28+00E	S 0.11
L 13+00N 28+50E	S 0.10
L 13+00N 29+00E	S 0.14
L 13+00N 29+50E	S 0.15
L 13+00N 30+00E	S 0.12
L 13+00N 30+50E	S 0.05
L 13+00N 31+00E	S 0.15
L 13+00N 31+50E	S 0.08
L 13+00N 32+00E	S 0.08
L 13+00N 32+50E	S 0.09
L 13+00N 33+00E	S <
L 13+00N 33+50E	S 0.08
L 13+00N 34+00E	S 0.09
L 13+00N 34+50E	S 0.10
L 13+00N 35+00E	S 0.03

Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200701 T Homestake Canada Ltd. In: Aug 28, 1992 Page 4 of 7 Section 1 of 1
Project: 3181/3182 Ship=08 Out: Sep 03, 1992 261 Soil Certified BC Assayer David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
[illegible]																															
L12+00N 26+00E S	8	<	21	16	21	43	13	<	850	7	<	<	<	2	3	120	<	2	29	47	2	13	3	2	<	0.47	0.01	3.56	0.06	0.07	0.02	0.05
L12+00N 26+50E S	11	<	19	13	29	36	12	<	1060	4	<	<	<	5	4	321	<	4	33	151	4	21	1	2	<	0.63	0.01	3.68	0.15	0.14	0.02	0.09
L12+00N 27+00E S	<	<	3	6	12	13	<	7	6920	2	<	<	0.2	1	1	243	<	<	9	15	2	9	1	3	<	0.34	0.02	1.95	0.02	0.20	0.02	0.08
L14+00N 29+00E S	<	<	16	13	43	17	5	<	715	3	<	<	<	10	4	295	5	2	22	516	5	41	1	3	<	0.67	0.21	3.37	0.12	0.13	0.03	0.09
L14+00N 29+50E S	<	<	29	11	106	10	<	<	90	2	<	<	<	10	4	319	<	1	15	421	2	36	1	4	<	0.41	0.37	2.76	0.10	0.06	0.01	0.04
[illegible]																															
Min Limit	5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 6 of 11 Section 1 of 2
Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 12+00N	29+00E	S	7	<	7	5	71	10	<	<	70	2	<	<	<	8	2	1161	<	1	22	2283	17	37	3	4	<	1.80	0.35	3.54	0.48	0.17	0.02
L 12+00N	29+50E	S	33	<	47	21	55	6	<	<	15	2	<	<	0.1	7	3	900	<	3	20	1246	22	26	1	3	<	1.18	0.89	1.90	0.15	0.33	0.02
L 12+00N	30+00E	S	281	<	33	17	93	25	<	<	55	5	<	<	<	14	7	1723	<	8	42	1120	12	70	2	3	<	1.72	0.17	4.29	0.23	0.21	0.02
L 12+00N	30+50E	S	10	<	53	9	49	12	8	<	55	1	<	<	0.1	12	13	1717	<	12	35	2081	26	35	<	14	<	1.32	0.65	2.58	0.25	0.36	0.02
L 12+00N	31+00E	S	<	0.1	10	42	13	14	6	<	155	7	<	<	<	2	3	594	<	2	9	37	8	0.2%	2	1	<	0.67	0.23	2.41	0.09	0.43	0.03
L 12+00N	31+50E	S	<	<	33	17	61	19	<	<	50	8	<	<	<	11	8	1023	<	11	41	1646	13	64	1	2	<	1.59	0.27	3.83	0.20	0.29	0.02
L 12+00N	32+00E	S	<	<	36	12	73	24	7	<	370	5	<	<	<	16	7	1576	<	9	43	1881	16	55	1	4	<	1.98	0.34	4.46	0.28	0.24	0.02
L 12+00N	32+50E	S	<	<	34	8	69	24	<	<	210	3	<	<	<	8	8	311	<	9	46	349	16	17	2	3	<	2.09	0.05	3.87	0.20	0.17	0.02
L 12+00N	33+00E	S	7	<	43	20	56	6	5	<	170	5	<	<	<	21	12	1098	<	16	34	3458	27	35	<	7	<	1.37	0.73	2.89	0.27	0.31	0.02
L 12+00N	33+50E	S	<	0.5	47	5	47	11	5	<	45	2	<	<	<	10	8	779	<	13	43	932	16	24	2	4	<	2.02	0.30	2.60	0.34	0.29	0.02
L 12+00N	34+00E	S	8	0.3	13	18	44	33	7	<	1700	4	<	<	<	6	4	603	<	3	30	215	9	188	<	2	<	1.21	0.01	3.33	0.11	0.22	0.03
L 12+00N	34+50E	S	6	0.4	19	8	49	15	<	<	450	3	<	<	<	6	4	417	<	5	36	186	14	65	2	2	<	1.58	0.17	3.33	0.23	0.16	0.02
L 12+00N	35+00E	S	<	0.4	38	10	60	10	<	<	85	6	<	<	<	16	8	1560	<	8	45	2933	18	70	1	3	<	1.57	0.45	3.41	0.31	0.28	0.02
L 14+00N	27+50E	S	10	0.3	23	16	76	23	6	<	580	3	<	<	<	14	5	590	<	3	40	690	9	49	<	5	<	1.40	0.24	4.07	0.26	0.23	0.03
L 14+00N	28+00E	S	11	0.3	27	13	75	19	<	<	290	3	<	<	<	13	5	520	<	4	43	646	7	42	<	5	<	1.51	0.12	3.88	0.26	0.19	0.03
L 14+00N	28+50E	S	17	0.2	44	15	137	17	<	<	210	3	<	<	<	24	7	395	<	5	51	1211	6	31	1	8	<	1.99	0.29	4.73	0.37	0.14	0.02
L 14+00N	30+00E	S	20	0.1	23	14	44	77	<	<	105	7	<	<	<	7	6	680	<	2	122	222	4	49	<	5	<	1.71	0.39	8.48	0.19	0.15	0.02
L 14+00N	30+50E	S	<	0.3	19	8	83	19	<	<	20	4	<	<	<	13	8	271	<	8	53	911	9	20	4	2	0.10	2.58	0.16	4.43	0.35	0.11	0.03
L 14+00N	31+00E	S	6	0.2	16	9	67	18	<	<	15	3	<	<	<	8	5	391	<	6	46	559	9	17	8	2	0.01	2.80	0.09	3.64	0.27	0.09	0.02
Min Limit			5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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iPL Report: 9200560 T Homestake Canada Ltd. | In: Jul 30, 1992 | | Section 2 of 2
Project: 3181 Ship=03 | Out: Aug 04, 1992 | 429 Soil/Rock | Certified BC Assayer David Chiu

Sample Name	P %
L 12+00N 29+00E	0.16
L 12+00N 29+50E	0.13
L 12+00N 30+00E	0.12
L 12+00N 30+50E	0.13
L 12+00N 31+00E	0.09
L 12+00N 31+50E	0.19
L 12+00N 32+00E	0.13
L 12+00N 32+50E	0.10
L 12+00N 33+00E	0.14
L 12+00N 33+50E	0.13
L 12+00N 34+00E	0.09
L 12+00N 34+50E	0.10
L 12+00N 35+00E	0.17
L 14+00N 27+50E	0.10
L 14+00N 28+00E	0.08
L 14+00N 28+50E	0.06
L 14+00N 30+00E	0.07
L 14+00N 30+50E	0.10
L 14+00N 31+00E	0.10
Min Limit	0.01
Max Reported*	5.00
Method	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 7 of 11 Section 1 of 2
Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 14+00N	31+50E	S	5	<	25	9	99	20	5	<	90	3	<	<	0.1	9	5	799	<	3	39	571	4	36	2	3	<	1.68	0.17	3.71	0.28	0.10	0.02
L 14+00N	32+00E	S	<	<	14	6	99	17	<	<	260	3	<	<	<	7	5	605	<	3	43	530	18	95	7	2	0.01	2.33	0.12	4.41	0.23	0.07	0.02
L 14+00N	32+50E	S	6	<	17	3	111	5	<	<	265	1	<	<	<	10	4	633	<	2	71	1066	14	38	1	5	0.02	1.01	0.82	3.90	0.21	0.10	0.02
L 14+00N	33+00E	S	5	<	39	12	142	13	6	4	1350	4	<	<	<	30	9	845	<	2	98	1768	5	39	1	4	0.01	2.25	0.50	4.69	0.66	0.10	0.02
L 14+00N	33+50E	S	35	<	47	7	64	5	5	<	220	1	<	<	0.2	20	6	875	<	3	62	3731	27	30	2	14	<	1.65	0.91	3.47	0.76	0.12	0.02
L 14+00N	34+00E	S	<	0.3	36	6	127	20	8	<	695	8	<	<	0.1	12	10	415	<	8	81	1051	7	24	1	1	0.01	1.27	0.11	5.05	0.10	0.09	0.02
L 14+00N	34+50E	S	<	0.1	18	9	68	18	6	<	350	3	<	<	<	13	8	509	<	7	46	889	17	46	2	2	0.01	1.62	0.53	4.11	0.23	0.11	0.02
L 14+00N	35+00E	S	<	<	24	8	53	26	12	<	1240	3	<	<	0.1	7	6	452	<	6	40	234	7	50	3	3	0.01	1.17	0.43	3.95	0.25	0.08	0.02
L 15+00N	28+50E	S	<	0.1	31	13	104	12	<	<	140	2	<	<	<	17	9	602	<	3	36	972	5	32	1	7	<	0.86	0.19	4.33	0.14	0.09	0.02
L 15+00N	29+00E	S	7	0.1	38	20	137	13	<	<	140	2	<	<	0.2	17	5	523	<	1	22	1048	3	23	<	5	<	0.56	0.24	3.36	0.07	0.08	0.02
L 15+00N	29+50E	S	<	0.3	25	10	109	11	<	<	160	4	<	<	<	10	8	173	<	7	52	783	10	8	5	1	0.02	2.45	0.07	4.46	0.19	0.05	0.02
L 15+00N	30+00E	S	7	0.1	42	17	137	33	5	<	600	4	<	<	<	27	11	1320	<	2	31	1329	2	28	1	8	<	0.57	0.23	6.23	0.06	0.07	0.02
L 15+00N	30+50E	S	24	0.3	41	20	123	12	6	<	200	3	<	<	<	24	9	752	<	3	34	1261	4	27	1	5	<	0.87	0.26	4.68	0.13	0.08	0.02
L 15+00N	31+00E	S	8	0.3	69	22	103	19	5	<	445	3	<	<	<	17	10	324	<	2	26	352	2	36	1	8	<	0.34	0.30	5.95	0.06	0.09	0.02
L 15+00N	31+50E	S	11	0.3	38	12	105	21	6	<	270	2	<	<	<	12	8	919	<	5	46	225	2	44	2	11	<	0.85	0.20	5.33	0.10	0.09	0.02
L 15+00N	32+00E	S	38	0.2	35	12	110	43	8	<	370	2	<	<	<	18	8	978	<	8	64	652	10	30	4	8	0.01	1.66	0.29	5.37	0.41	0.08	0.02
Min Limit			5	0.1	.1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 7 of 11 Section 2 of 2
Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name	P %
L 14+00N 31+50E	0.10
L 14+00N 32+00E	0.08
L 14+00N 32+50E	0.15
L 14+00N 33+00E	0.15
L 14+00N 33+50E	0.19
L 14+00N 34+00E	0.19
L 14+00N 34+50E	0.08
L 14+00N 35+00E	0.04
L 15+00N 28+50E	0.07
L 15+00N 29+00E	0.05
L 15+00N 29+50E	0.11
L 15+00N 30+00E	0.08
L 15+00N 30+50E	0.09
L 15+00N 31+00E	0.06
L 15+00N 31+50E	0.09
L 15+00N 32+00E	0.11

Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200586 T Homestake Canada Ltd. In: Aug 05, 1992 Page 5 of 6 Section 1 of 2
Project: 3181 Ship=04 Out: Aug 09, 1992 211 Soil,Rock Certified BC Assayer David Chiu

Sample Name			Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na
			ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%
L 16+00N	29+50E	S	<	0.3	31	12	110	9	<	<	130	3	<	<	<	16	7	301	<	6	46	1038	7	12	5	4	<	2.11	0.07	5.35	0.23	0.04	0.02
L 16+00N	30+00E	S	<	0.2	15	11	44	12	<	<	95	2	<	<	0.1	2	3	71	<	5	29	61	4	6	5	1	0.01	1.42	0.02	2.21	0.06	0.04	0.03
L 16+00N	30+50E	S	<	0.1	18	60	107	6	<	<	110	3	<	<	<	11	7	123	<	7	41	622	15	9	17	3	0.01	2.30	0.06	4.73	0.21	0.03	0.02
L 16+00N	31+00E	S	<	0.2	32	8	118	14	5	<	590	2	<	<	<	7	6	182	<	3	25	577	11	16	8	3	<	1.92	0.10	3.80	0.12	0.05	0.02
L 16+00N	31+50E	S	59	0.3	85	35	210	31	9	<	640	3	<	<	<	16	11	328	<	7	45	640	17	14	9	7	0.01	1.83	0.08	5.80	0.25	0.05	0.02
L 16+00N	32+00E	S	<	0.1	32	5	152	<	9	3	115	1	<	<	0.4	16	6	1345	<	3	114	5582	10	34	3	23	0.01	0.49	1.16	7.72	0.13	0.13	0.02
Min Limit			5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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6 Col
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200586 T Homestake Canada Ltd. | In: Aug 05, 1992 | Page 5 of 6 | Section 2 of 2
Project: 3181 Ship=04 | Out: Aug 09, 1992 | 211 Soil,Rock | Certified BC Assayer David Chiu

Sample Name	P %
L 16+00N 29+50E	S 0.08
L 16+00N 30+00E	S 0.13
L 16+00N 30+50E	S 0.15
L 16+00N 31+00E	S 0.07
L 16+00N 31+50E	S 0.08
L 16+00N 32+00E	S 0.26
Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 8 of 11 Section 1 of 2
Project: 3131 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Hg ppb	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %
L 17+00N	32+00E	S	18	0.5	29	12	112	19	6	<	575	3	<	<	<	14	7	143	<	5	56	1077	5	6	5	2	<	1.83	0.05	5.14	0.15	0.06	0.02
Min Limit			5	0.1	1	2	1	5	5	3	5	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	999	9999	9999	999	999	99.9	999	999	9999	999	999	999	9999	999	999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	Geo	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Vancouver, B.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200560 T Homestake Canada Ltd. In: Jul 30, 1992 Page 8 of 11 Section 2 of 2
Project: 3181 Ship=03 Out: Aug 04, 1992 429 Soil/Rock Certified BC Assayer David Chiu

Sample Name	P %
L 17+00N 32+00E	0.13
Min Limit	0.01
Max Reported*	5.00
Method	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

APPENDIX II: IP REPORT
(from Pacific Geophysical Limited)

PACIFIC GEOPHYSICAL LIMITED

REPORT ON THE

INDUCED POLARIZATION & RESISTIVITY SURVEY

ON THE

HANK PROPERTY

LIARD ~~ATLIN~~ MINING DIVISION, BRITISH COLUMBIA

FOR

HOMESTAKE CANADA LTD.

N.T.S. 104G/1,2

BY

PAUL A. CARTWRIGHT, P.Geo.

Geophysicist

DATED: December 10, 1992

TABLE OF CONTENTS

1. SURVEY and INSTRUMENT SPECIFICATIONS

Induced polarization and resistivity surveys have been carried out on the Hank Property, ~~Atlin~~ Liard M.M. Mining Division, B.C. Pole-dipole array was utilized to make all measurements, with an inter-electrode spacing of 25 meters being used to survey all of the grid lines.

An EDA Model IP-6 induced polarization and resistivity receiver unit was utilized to make the measurements. Two separate transmitters, a Phoenix Model IPT-1 1.0 kw unit, and a Huntec Model Mk4 7.5 kw unit, were used to provide the 2 second on, 2 second off receiver signals, depending on the voltage levels required. Induced polarization values were recorded as milliseconds, using " mode 3", which employs a 80 msec delay time, followed by 10 logarithmically spaced measurement windows(80ms x 4, 160ms x 3, 320ms x 3), which were then combined into one cumulative reading. Apparent resistivity measurements were calculated in ohm-meter units.

2. DISCUSSION OF RESULTS

All of the alteration zones mapped on the 1992 Hank Property geophysical grid give rise to higher than background resistivity values, almost certainly due to the presence of heavy concentrations of quartz rich material in these zones. Well defined, moderate magnitude or greater, IP anomalies are also noted coincident with all of the alteration zones, with the possible exception of Panky Peak(Rojo Grande), where there is only a marginal association with anomalous IP effects. Pyrite in varying amounts is noted to be present in all of the alteration zones, and

is the most probable cause of the anomalous IP responses. The first separation (N=1) resistivity and IP plan maps (File:MHR1MY, File:MHI1MY) illustrate the interpreted geophysical results.

At Felsite hill, a region of much higher than normal resistivity measurements, and high magnitude IP values(IP Zones A,B,B1,B2) outlines a resistive cap in the order of 25 meters thick, that correlates well with the known alteration. This cap is split in half by a narrow zone of low magnitude resistivity and IP measurements, which is probably caused by an increase in clay content along the southern margin of a quartz-clay alteration zone mapped within the larger quartz-clay-pyrite alteration halo.

The principal cause of the anomalous IP effects recorded in the vicinity of Felsite Hill is, in all probability, the pyrite contained within the resistive alteration halo mentioned above. It is very difficult to accurately judge if any pyrite, or any other polarizable source, extends beneath this cap, due to the masking effects of the near-surface sulphides. However, IP Zones B1 and B2, which flank either margin of IP Zone B, could be caused by narrow, near vertical sources extending to depth. IP Zone B2 is interpreted to extend to the southwestern corner of the grid.

Rojo Chico alteration zone correlates directly with IP Zone E, which is itself set within a much wider area of elevated apparent resistivity values. In this case, the resistive cap is thought to be considerably less than 25 meters thick under Line 700N, but is increasing in thickness away from the grid towards the southwest.

The Panky Peak (Rojo Grande) alteration appears to be well

outlined as a deep seated resistivity high, where the base of the resistive layer is buried in excess of the 50 meter detection limit of the array used. This area of high resistivity is not directly accompanied by anomalous IP readings, but is largely enclosed by the anomalous IP effects that constitute IP Zone D. Polarizable material within sediments apparently give rise to this IP response.

Marginally greater than background resistivity results can be discerned coincident with the mapped position of the "Silicified Zone". In places, the response flip-flops over to be more conductive than resistive. It is probable that the quartz to clay percentage varies along the length of the zone, with the former material causing a resistive component while the latter does the opposite.

IP Zone C is detected on the western corner of the grid, and does not appear to correlate with any known alteration. The best part of the zone lies within volcanics mapped underlying the southeastern ends of Lines 2300N and 2100N. The source is indicated to be a relatively narrow, and resistive, tabular source.

Two other resistive features are also evident in the resistivity data from the Hank grid; the most prominent is the Bald Bluff Intrusive, while the other is a small resistive event seen in the data recorded on Lines 1700N and 1600N, in the vicinity of Station 2350E. Its cause is unknown.

3. CONCLUSIONS AND RECOMMENDATIONS

Higher than background resistivity measurements outline all of the known alteration zones on the 1992 Hank Property geophysical grid. With one possible exception (Panky Peak), anomalous IP readings also mark the mapped alteration. In the case of the Rojo Chico area, the resistive cap appears to be substantially larger in areal extent than the mapped alteration. Also, the resistive layer appears to be thickening towards the southwest.

There are a number of other narrow IP and/or resistivity features of unknown origin detected by the present survey, which should be evaluated using all available data. These trends could represent either metallic sulphides possibly associated with gold mineralization, and/or, argillic alteration products also possibly related to elevated gold values.

It is recommended that all other data be correlated with the geophysical results before assigning priorities for follow-up work.

Pacific Geophysical Ltd.

Paul A. Cartwright, P.Geo.

Dated: December 10, 1992

4. CERTIFICATE

I, Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 4508 West 13th Avenue, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1970).

3. I am a member of the Society of Exploration Geophysicists, the European Society of Exploration Geophysicists and the Canadian Society of Exploration Geophysicists.

4. I have been practising my profession for 22 years.

5. I am a Professional Geophysicist licensed in the Province of Alberta, and I am a Professional Geoscientist registered in the Province of British Columbia.

Dated at Vancouver, British Columbia this 10th day of December, 1992.

Paul A. Cartwright

Paul A. Cartwright, P.Geo.

5. CERTIFICATE

I, Grant D. Lockhart, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 301 - 2232 West 5th Avenue, Vancouver, B.C.

2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1987).

3. I am a member of the Society of Exploration Geophysicists, and the Canadian Society of Exploration Geophysicists.

4. I have been practicing my profession for 4 years.

Dated at Vancouver, British Columbia this 10th day of December, 1992.

Grant D. Lockhart

GRANT D. LOCKHART, B.Sc.

APPENDIX III:

Table of Rock Sample Descriptions

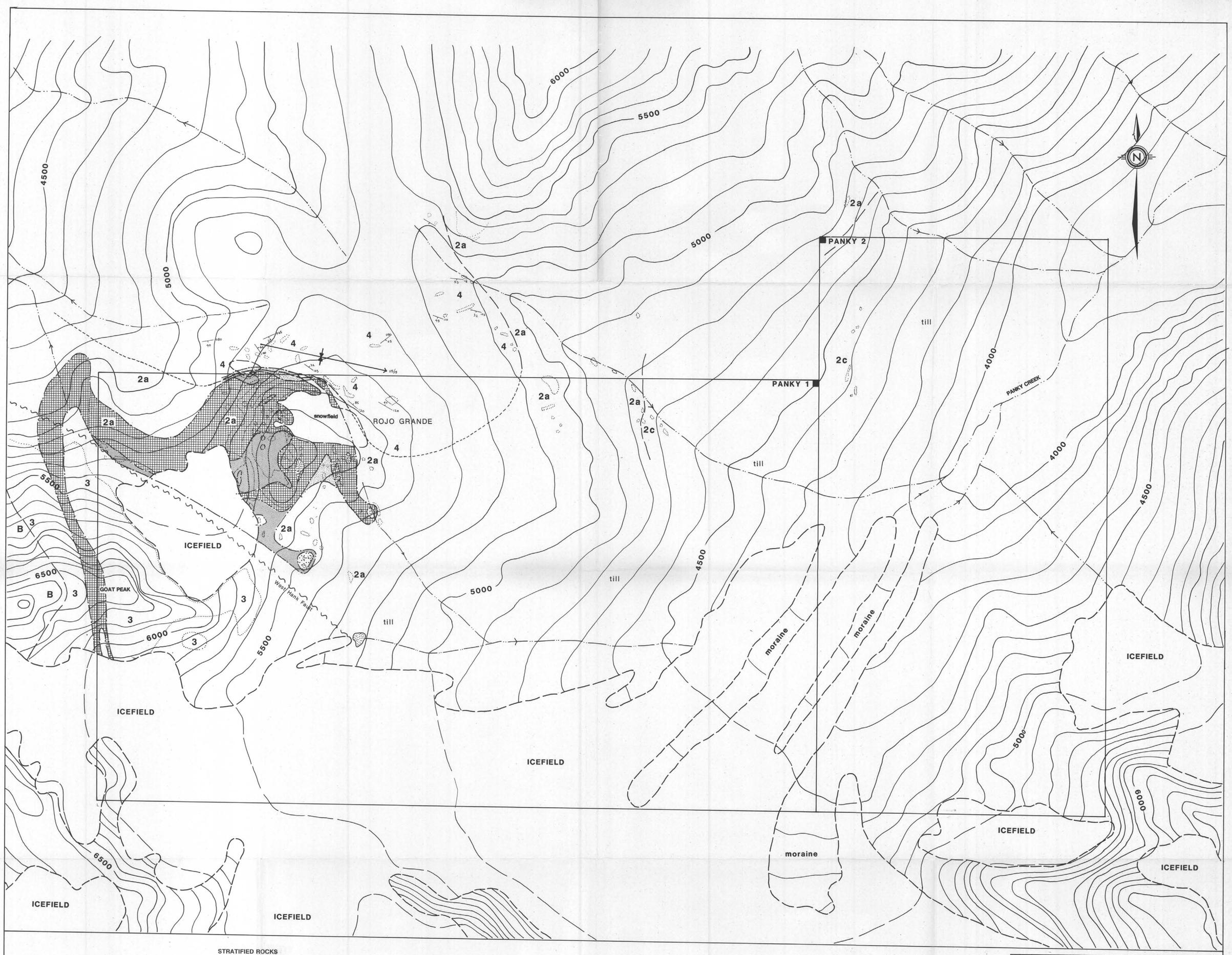
Sample	Type	Location	Description
37837	1m chip	Alunite Knobs; 1560m	Bleached, blue-grey, mod (qz-clay)? alteration. No pyrite. Alunite??
37845	2m chip	Hank Ridge	Weak to mod. (qz-clay-py) w/ up to 4% pyrite. Stronger alteraion than 37838 and 37844.
37846	grab	Panky Creek; 1440m	Strongly carbonate altered mafic flow/ 1cm wide zoned white calcite vein. No sulphides.
37847	grab	Panky Creek	5cm pale pink to white banded calcite vein. No sulphides.
37862	1m chip	Alunite Knobs; 5100'	Unusual mottled texture of blue-grey clay. Moderate to strong (clay-qz) alteraion. Alunite?? 2% fine disseminated pyrite.
37863	1m chip	Alunite Knobs; 5110'	Very strong pervasive silicification; locally frothy. Faint pebble conglomerate textures. Part of silicified zone??
37864	grab	Alunite Knobs; 5140'	10cm wide hairline QZSW. Massive to sugary qz. Faint pebble conglomerate textures.
37865	2m chip	Alunite Knobs; 5180'	Strong (qz-py) alteraion. 5% disseminated pyrite in crude bands and patched. Not typical (qz-clay-py) style of alteraion.
37866	float	Below Goat Peak; 5250'	Very strong silicification w/ coarse vuggy pyrite to 5%. Med to dark purple-grey; fluorine?? amethyst??
37867	1m chip	Rojo Grande; 5530'	Dark grey qz breccia. Unusual textures. Fragments also strongly silicified. 2-3% tiny rusty flecks could be pyrite.
37868	2m chip	Rojo Grande; 5500'	Very strong silicification and possible clay alteraion. Local vuggy cavities w/ druzy qz crystals. No sulphides.
37869	2m chip	Rojo Grande	Mod. to strong (qz-clay-py). 3-7% disseminated py, but no pyrite where strongly weathered.
37870	1m chip	Rojo Grande; 5460'	Strong (qz-clay) alteration with 1% pyrite.
37871	2m chip	Rojo Grande; 5800'	Strong (qz-clay-py) alteraion. 3-5% pyrite finely disseminated. Strong clay altered/weathered outer surfaces.
37872	2m chip	Rojo Grande; 5780'	Strong (qz), moderate(clay). Locally sugary qz. 3% hairline dark grey qz stringers. Possible trace fine py.
37873	2m chip	Rojo Grande	Strong (qz-clay). Locally vuggy/sugary qz. Similar to 37872, but separated by a band of mod. to strong (qz-clay-py). No pyrite.
37874	1m chip	Rojo Grande	Mod. to strong (qz-clay-py). Strongly bleached and weathered. 3-5% pyrite. Locally well preserved sedimentary textures.
37875	1m chip	Rojo Grande	Strong (qz-clay) pervasive alteration. Local vuggy to sugary textures. Looks locally crackle brecciated and very strongly fractures. Fine grey stringers to 3% are graphitic. No pyrite.
37876	2m chip	Rojo Grande	Strong to mod. (qz-clay-py) altered pebble conglomerate. Only 203% pyrite. Weaker alteraion intensity than usual for this area.

37877	1.5m chip	Rojo Grande	Strong (qz-clay) altered band cutting strong (qz-clay-py) alteraion. Weathers darker grey colour. No pyrite.
37878	50cm chip	Rojo Grande; 5730'	Strong (qz-clay-py) alteraion. Poor textures. 3-5% disseminated pyrite.
37879	1m chip	Rojo Grande; 5600'	Strong (qz-clay-py) alteraion. 5% pyrite.
37880	1.5m chip	Rojo Grande; 5740'	Strong (qz-clay) alteration. Occasional vuggy and sugary textures, but not frothy. Darker grey qz patches and stringers, but no pyrite.
37881	50cm chip	Rojo Grande	Strong (qz-clay) alteration w/ pods of pale grey clay. Locally carries black flecks - he?? Patchy.
37882	1m chip	Rojo Grande; 5710'	Mod to strong (qz-clay) alteration w/ 2-3% disseminated pyrite. Faint original textures - possible phenocrysts or fine fragments.
37883	1.5m chip	Rojo Grande; 5720'	Very strong patchy clay alteration within strong (qz-clay) alteration. Amorphous white clay forms patches up to 50cm wide. Conchoidal fracture. No sulphides.
37884	2m chip	Rojo Grande; 5680'	Strong (qz-clay-py) alteration. 5-7% disseminated pyrite. Faint original sedimentary textures.
37885	1m chip	Rojo Grande; 5640'	Strong (qz-clay). Faint, bleached original sedimentary textures-pebble conglomerate. Locally up to 1% fine pyrite.
37886	1.5m chip	Rojo Grande; 5680'	Pod of strong (qz-clay) alteration with 2-3% disseminated pyrite, within strong (qz-clay) alteration without pyrite. Pyrite unevenly distributed.
37887	1.5m chip	Rojo Grande; 5620'	Strong (qz-clay-py). 5-7% disseminated pyrite. Loss of textures.
37888	1.5m chip	Rojo Grande; 5610'	Strong (qz-clay) with weak pyrite; up to 3%. Intense bleaching. Coarse conglomerate textures preserved.
37889	1m chip	Rojo Grande; 5540'	Strong (qz-clay). Stronger silica than usual. No pyrite. Faint sedimentary textures.
37890	1m chip	Rojo Grande; 5580'	Moderate (qz-clay-py) with 2-3% fine disseminated pyrite. Loss of textures.
37891	1.5m chip	Rojo Grande; 5110'	Strong (qz-clay-py). Locally very strong clay as white amorphous clots. 5-7% disseminated pyrite. Loss of original textures.
37892	2m chip	Rojo Grande; 5310'	Strong (qz-clay-py). Strong surface weathering and bleaching. 5% disseminated pyrite.
37893	1.5m chip	Rojo Grande; 5230'	Mod. to strong (qz-clay-py). 1-2% fine pyrite. Faint, bleached original textures-sedimentary or volcanic??? Weak porphyritic texture of white clay altered blebs.
37894	1.5m chip	Rojo Grande; 5250'	Strong (qz-clay-py) with 5-7% disseminated pyrite. Local white patches of dense amorphous clay.
37895	grab	Rojo Grande; 5300'	Very Pale grey Strong (qz-clay-py) alteration. Atypical. 1-2% pyrite. No original textures. Strong surface bleaching.
37896	1m chip	Rojo Grande; 5310'	Mod. to strong (qz-clay-py). 3-5& disseminated pyrite. Coarse granular texture faintly preserved - sandstone??

37897	2m chip	Rojo Grande; 5360'	Strong (qz-clay) alteraion. Faint banding-original textures??
37898	1m chip	Rojo Grande; 5610'	Moderate (qz-clay) alteration. relatively well preserved sedimentary textures - conglomerate. Quartz is sugary to vuggy in places.
37899	2m chip	Rojo Grande; 5560'	Moderate to strong (qz-clay-py), 3-5% disseminated pyrite. Faint original sedimentary textures. Forms resistant band of outcrop.
37900	1m chip	Rojo Grande; 5520'	Strong (qz-clay) alteraion. Mottled colour. Loss of original textures.
37567	grab	Goat Peak	Moderate (qz-py) alteration. Minor qz veinlets and flooding. Qz < 5%.
37568	1m chip	Goat Peak; 5+00N/29+00E	10m wide zone of silicification, minor py in flow banded rhyolite.
37569	high grade grab	Goat Peak	Strong (qz-chlorite) in 5-10cm shear. Fine grained py, arsenopy, < 5%.
37570	1m chip	Goat Peak	Strong (qz-py); py < 5%.
37571	1.2m chip	Goat Peak	Intense silicification, 1-2% pyrite in fine grained diorite.
37572	float	Goat Peak	Intense silicification and minor pyrite. Possible clay. Pyrite < 2%. Diorite??
37573	1m chip	Goat Peak	Strong (qz-clay-py) alteration at top of Goat Peak
37574	1m chip	Goat Peak	Zone of strong (qx) weak (clay) alteration within strong (qz-clay-py) alteration.
37632	1m chip	Stn. AK32-10	Strong (qz-clay-py) altered maroon-red epiclastics. 10% pyrite.
37633	1m chip	L12N	(Bt-clay-py) altered sediments. Leached py?
37634	1m chip	at 37633	(Clay-bt-py) alteration; mostly clay. Biotite <3%. Pyrite <3%.
37635	1m chip	L11+50N	Strong (clay-qz-py) altered conglomerate. Pyrite<3%.
37636	1m chip	L11N/24+50E	Strong (qz-clay-py) alteration.
37637	1m chip	Rojo Grande; 1650m	Strong (qz-clay-py) altered sediments?. Very fine grained texture. 15% pyrite.
37638	1m chip	Rojo Grande; 12N/25E	Transitional zone between Strong (qz-clay-py) and Strong (qz-clay) alteration.
37639	60cm chip	Rojo Grande	Strong (qz-clay-py) alteration. 20% pyrite disseminated and in pods.
37640	1m chip	L11N	Strong (qz-clay-py) altered sediments. 10% pyrite
37641	1m chip	Rojo Grande; L11N	Strong (qz-clay-py). 10% pyrite in patches.
37642	1m chip	Rojo Grande; L12N	Strong (qz-clay-py) alteration. 10% pyrite in pods and disseminated.
37643	20cm chip	Rojo Grande; AK33-6	10cm qz vein with calcite margins in moderate (clay-qz) altered pyroxene pyric flow.
37644	1m chip	Rojo Grande	Strong (qz-clay-py) alteration. Patches of white clay. 5-10% pyrite; spotty, patchy.

37645	1.3m chip	Rojo Grande; 1650m	Strong (qz-clay-py) alteration. 10% pyrite.
37646	1.3m chip	Rojo Grande	Strong (qz-clay-py-bt) alteration. Biotite black, euhedral. 5% very fine grained alteration.
37647	1m chip	Rojo Grande	Strong clay + weak (qz-py) alteraion. Porcelaineous clay in fractures. Minor pyrite.
37648	1m chip	Rojo Grande	Strong (qz-clay-py) alteration. Patchy pyrite 20%.
37649	1.2m chip	Rojo Grande	Strong (qz-clay-py) alteration. Remnant textures. 10% pyrite commonly in matrix.
37650	1m chip	Rojo Grande	Strong (qz-clay-trace py) alteration. Pyrite in small zones of (qz-clay-py) which have weathered? to qz-clay. Pyrite <1%.
37651	1.2m chip	Rojo Grande; Stn. AK37-2.	Strong (qz-clay-py) alteraion of pebble conglomerate?. Pyrite <2%, in pods.
37652	1m chip	Stn. AK37-5	Strong (qz-clay-py) alteration. 10% very fine grained pyrite.
37653	1.2m chip	Rojo Grande	Strong (qz-clay-py) alteration with qz boxwork?? Pyrite 10%; more coarse grained than usual.
37654	1m chip	Rojo Grande	Strong (qz-clay-py) alteration. 15% very fine grained pyrite.
37655	1m chip	Rojo Grande	Strong (qz-clay-py) alteration. Pyrite in matrix and semi-massive, and in clasts and veinlets. 15% pyrite.
37656	grab	Rojo Grande; 1740m	Strong (qz-clay-trace pyrite) alteration.
37658	60cm chip	Stn. MM38-5	Intense (qz) mod (clay) altered hydrothermal breccia pipe hosting veinlets of alunite+clay
37659	1.2m chip	Stn. AK40-2	Strong (qz-clay-py) alteration. 10% fine grained disseminated pyrite.
37660	1m chip	Stn. Ak40-3	Strong (qz-clay-py) alteration. 10% fine grained disseminated pyrite in groundmass of fine quartz.
37661	1m chip	Stn. AK40-4	Strong (qz-clay-py) alteration. 10% finely disseminated pyrite.
37662	1.2m chip	Stn. AK40-5	Strong (qz-se-py) alteration. 15% finely disseminated pyrite.
37663	1m chip	Stn. AK40-5	Strong (qz-clay-py) alteration with what appears to be increasing clay content.
37664	1m chip	Stn. AK40-7	Strong (qz-clay-py) alteration. Patchy stronger clay. 10-15% fine disseminated pyrite.
37665	1m chip	Stn. Ak40-8	Strong (qz-clay-py) alteration. Stronger clay alteration. 10% very fine disseminated pyrite.
37666	1m chip	Stn. AK40-8	Strong (qz-clay-py) alteration. Stronger clay alteration. 10% fine disseminated pyrite.
37667	1m chip	Stn. AK40-9	Strong (qz-clay-py) alteration. 5% fine grained pyrite.
37668	1m chip	Stn. AK40-9	Strong (qz-clay) alteration. Frothy qz with gas bubbles. No sulphides.

37669	1m chip	Stn. AK33-3	Strong (clay) alteration. No sulphides.
37670	1m chip	Stn. Ak40-11	Strong (qz-clay-py) alteration. 10% fine disseminated pyrite.
37671	1m chip	Stn. AK40-12	Strong (qz-clay) mod.(py) alteration with relict breccia texture, primary??
37672	1m chip	Stn. AK40-12	Strong (qz-clay-trace py) altered sediments. 1-3% very fine grained pyrite.
37673	1m chip	Stn. AK40-13	Strong (qz+/-clay) altered sediments. Possible leached pyrite.
37674	1m chip	Stn. AK41-3	Strong (qz-clay-py) alteration. Patchy pyrite to 15%.
37675	1m chip	Stn. AK34-3	Strong (qz-clay-py) alteration of feldspar phyric flow?? 10% fine grained pyrite.
37676	1m chip	Stn. AK34-3	Strong (qz+/-clay) alteration. No sulphides.
37678	1m chip	Stn. AK-41-7	Strong (qz-clay-py) alteration. 5-10% fine disseminated pyrite.
37679	1m chip	Stn. AK41-7	Strong (qz-clay) alteration. No sulphides.
37680	1m chip	Stn. AK42-1	Moderate clay altered sediments. Possible pyrite?
37681	1m chip	Stn. AK42-1	Strong (qz-clay-py) alteration. 10% pyrite.
37682	1m chip	Stn. AK42-2	Strong (qz-clay-py) alteration. Feldspar textures visible. 10% pyrite.
37683	1m chip	Stn. AK38-3	Strong clay alteration. No visible sulphides.
37684	1m chip	Stn. AK42-3, L11N	Strong (qz-clay-py) altered breccia.
37685	grab	Stn. AK42-4	Strong Clay +/- pyrite alteration. 1-3% pyrite.
37686	1m chip	Stn. AK42-4	Strong (qz-clay) alteration. No sulphides.
37687	1m chip	Stn. AK42-5	Strong (clay) mod. (qz) and trace py alteration. Breccia texture preserved.
37688	1m chip	Stn. AK42-6	Strong (qz-clay-py) alteration. 10% pyrite in matrix.
37689	lm chip	Stn. AK42-7	Strong (clay) mod. (qz-py) alteration. Feldspar phyric texture preserved.
37690	1m chip	Stn. AK42-8	Strong (qz-clay) altered pebble conglomerate. No visible sulphides.
37691	1m chip	Stn. AK42-9	Intense (clay) mod (qz) alteration, textures preserved.



STRATIFIED ROCKS

West of the West Hank Fault

Lower Jurassic

4 Undivided siltstone, well bedded sandstone, heterolithic conglomerate

Upper Triassic Stuhini Group

2c Andesitic pyroxene-feldspar phyric tuff breccia

2a Andesitic to basaltic magnetic pyroxene-feldspar phyric flows

East of the West Hank Fault

3 Undivided aphyric flows, rusty pyritic flow-banded rhyolite, minor siltstone and sandstone

INTRUSIVE ROCKS

B Medium grained hornblende diorite

ALTERATION

- quartz-clay-pyrite
- quartz-clay +/-pyrite
- quartz +/-pyrite
- clay +/-quartz

- fault
- geologic contact (defined; approximate)
- alteration contact
- syncline axis
- bedding orientation
- outcrop

0 100 200 300 400 500

meters

scale 1:5000

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PANKY PROPERTY

Property Geology

DRAWN	DATE	NTS	
	01/93	104G/1	Fig. 2.2
REVISED			

PANKY 2

PANKY 1

PANKY CREEK

snowfield

ROJO GRANDE

ICEFIELD

GOAT PEAK

moraine

HKS-9 HKS-10 HKS-11 HKS-12 HKS-13 HKS-14 HKS-15 HKS-16 HKS-17 HKS-18 HKS-19 HKS-20 HKS-21 HKS-22 HKS-23 HKS-24 HKS-25 HKS-26 HKS-27 HKS-28 HKS-29 HKS-30 HKS-31

4500 5000 5500 6000 6500

4000

7+00N 8+00N 9+00N 10+00N 11+00N 12+00N 13+00N 14+00N 15+00N 16+00N 17+00N

27+00E Tieline

32+00E 35+00E

soil sample

HKS-22 silt sample

no sample

IP survey line

0 100 200 300 400 500

meters

scale 1:5000

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PANKY PROPERTY

Soil Sample and Grid Location Map

DRAWN	DATE	NTS	
MDM	01/93	104G/1	Fig. 3.1
REVISED			

PANKY 1

PANKY 2

PANKY CREEK

ROJO GRANDE

snowfield

ICEFIELD

GOAT PEAK

moraine

6000

5500

5000

4500

6500

N

15●2 ppb Au●ppm Ag in soil

▲14, 0.4 ppb Au, ppm Ag in silt

~/5 no sample

–●– below detection limit

0 100 200 300 400 500

meters

scale 1:5000

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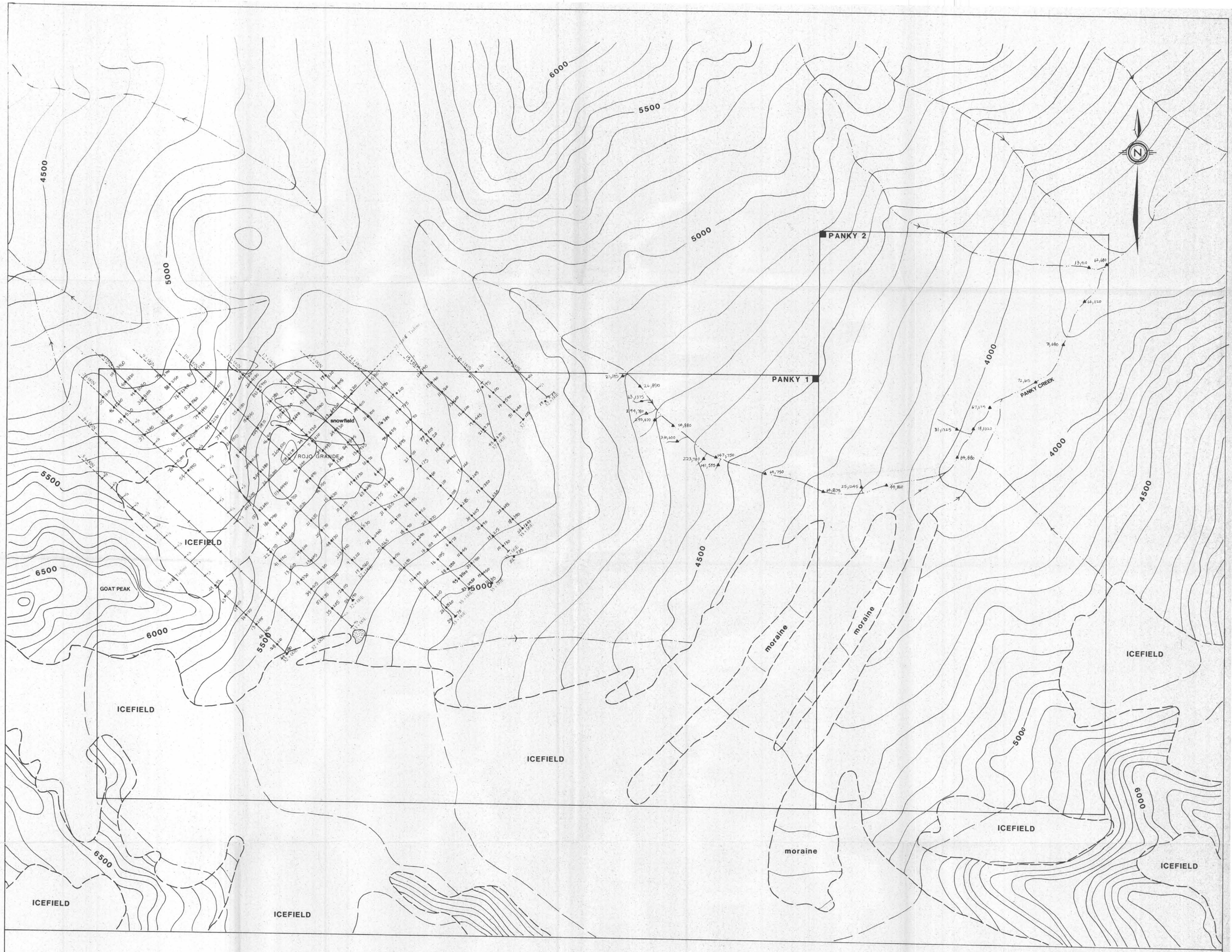
PANKY PROPERTY

GEOCHEMISTRY

Au, Ag in Soils

DRAWN	DATE	NTS	
MDM	01/93	104G/1	Fig. 3.2a
REVISED			


PANKY 1
PANKY 2
PANKY CREEK
ROJO GRANDE
snowfield
ICEFIELD
GOAT PEAK
moraine
4500
5000
5500
6000
6500
N
0 100 200 300 400 500
meters
scale 1:5000
26●1240 ppm As ppb Hg in soil
▲50, 880 ppm As, ppb Hg in silt
n/s no sample
–●– below detection limit
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PANKY PROPERTY
GEOCHEMISTRY
As, Hg in Soils
DRAWN DM
DATE 01/93
NTS 104G/1
REVISED
Fig. 3.3a

PANKY 1

PANKY 2

PANKY CREEK

snowfield

ROJO GRANDE

GOAT PEAK

ICEFIELD

moraine

4500

5000

5500

6000

6500

N

26●96 ppm Cu ● ppm Zn in soil

▲36, 90 ppm Cu, ppm Zn in silt

N/S no sample

-●- below detection limit

0 100 200 300 400 500

meters

scale 1:5000

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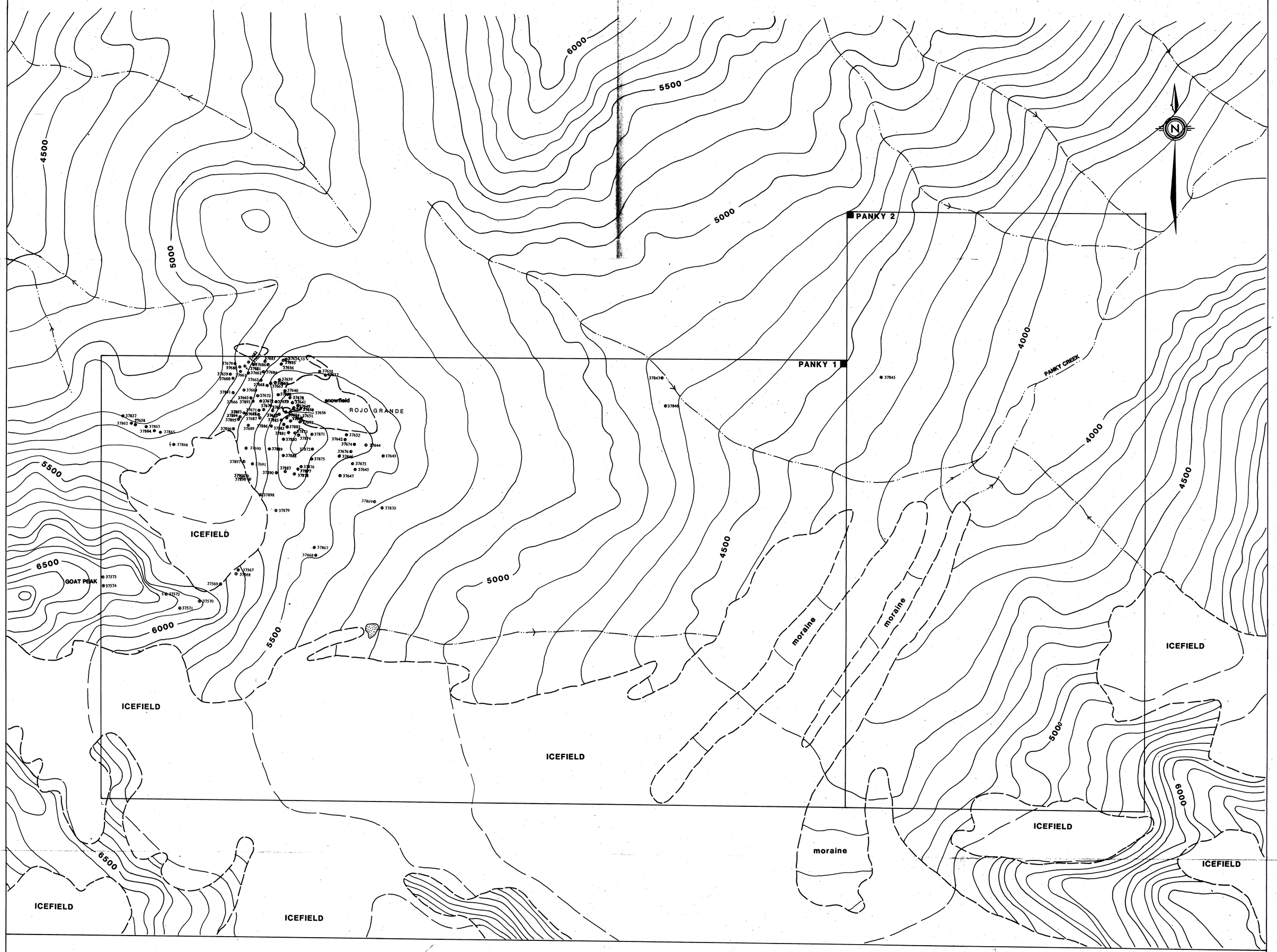
PANKY PROPERTY

GEOCHEMISTRY

Cu, Zn in Soils

DRAWN	DATE	NTS	
MMM	01/93	104G/1	Fig. 3.4a
REVISED			



37633 rock sample

0 100 200 300 400 500
meters
scale 1:5000

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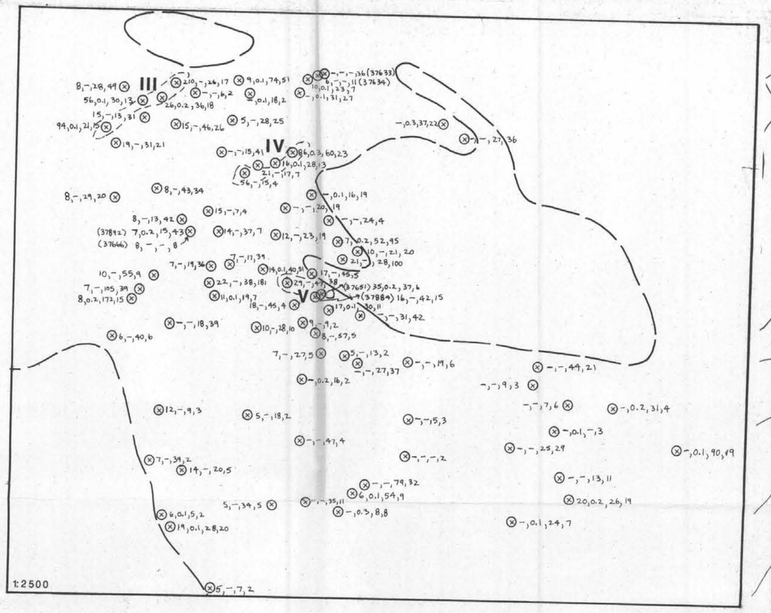
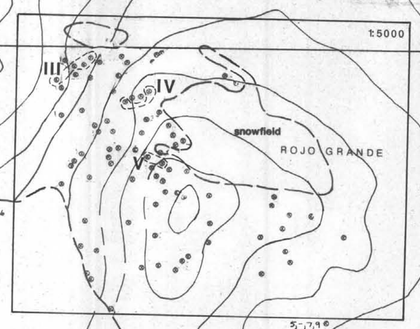
PANKY PROPERTY

Rock Sample Location Map

DRAWN	DATE	NTS	
MDM	01/93	104G/1	FIG. 3.5
REVISED			





x 200%

PANKY 1

PANKY 2

PANKY CREEK

4500

5000

5500

6000

6500

ICEFIELD

moraine

GOAT PEAK

I

II

III

IV

V

VI

N

VI gold in rock anomaly

12, 1.1, 210, 31 ppb Au, ppm Ag, ppm As, ppm Cu

below detection limit

0 100 200 300 400 500

meters

scale 1:5000

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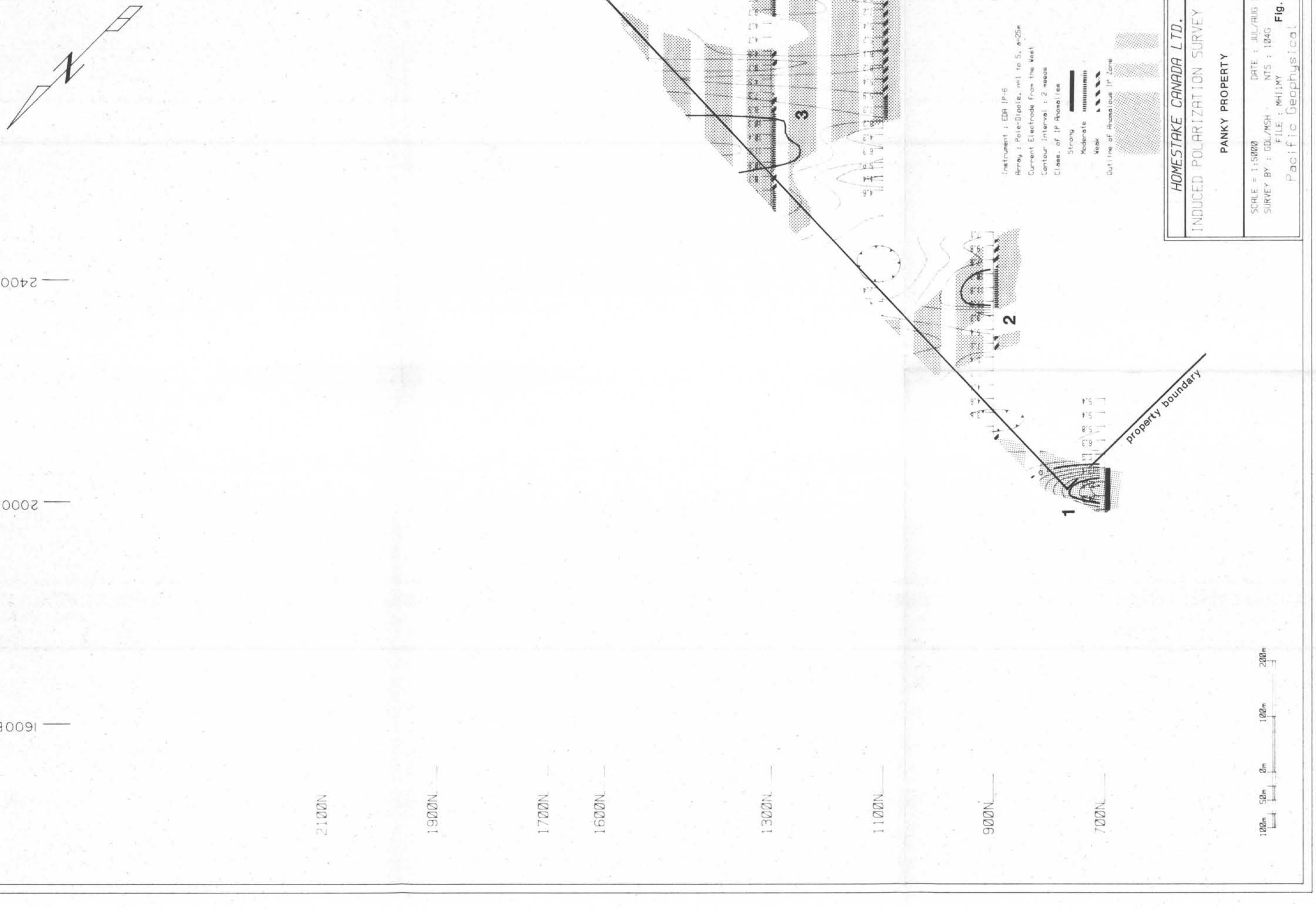
PANKY PROPERTY

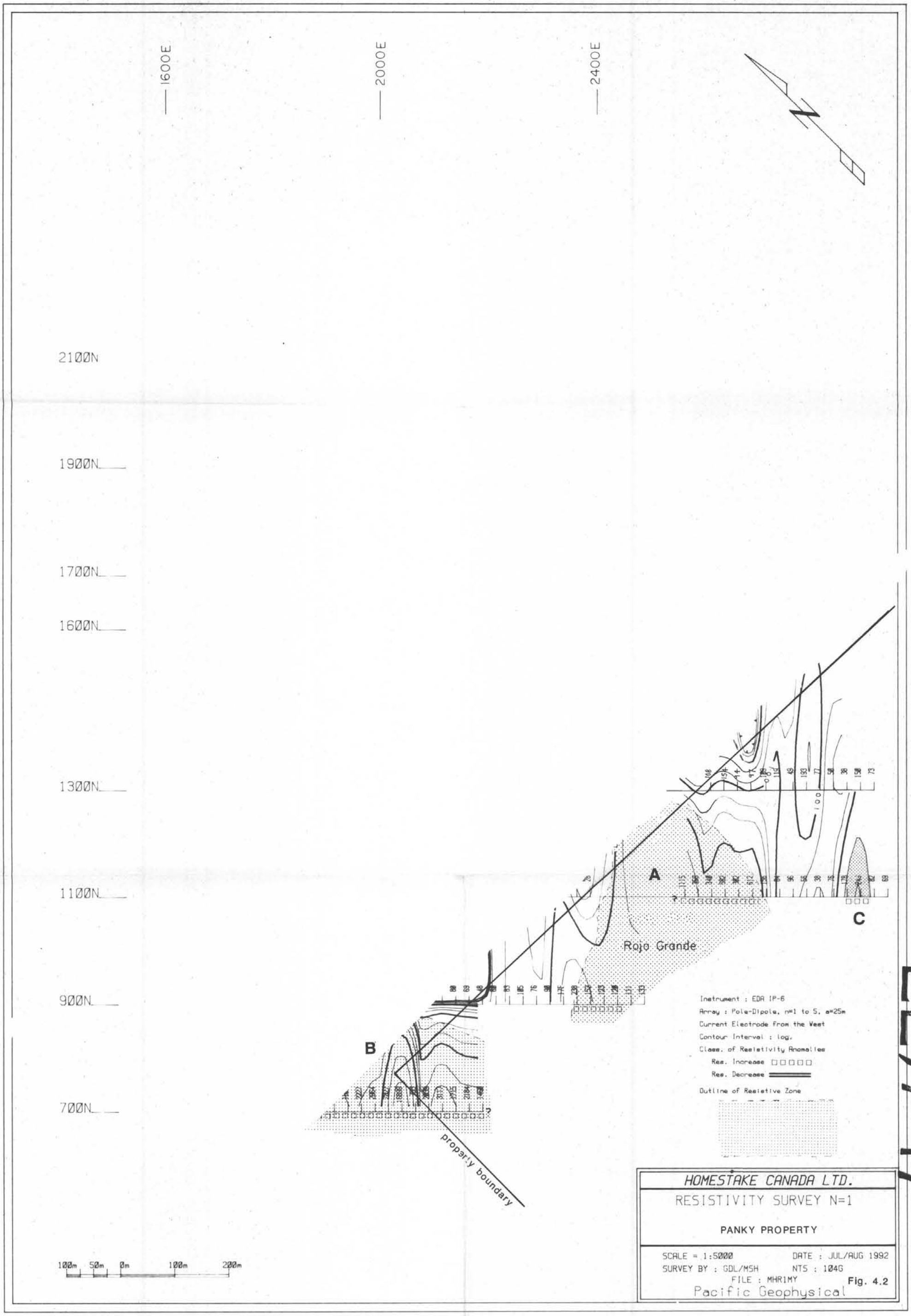
GEOCHEMISTRY

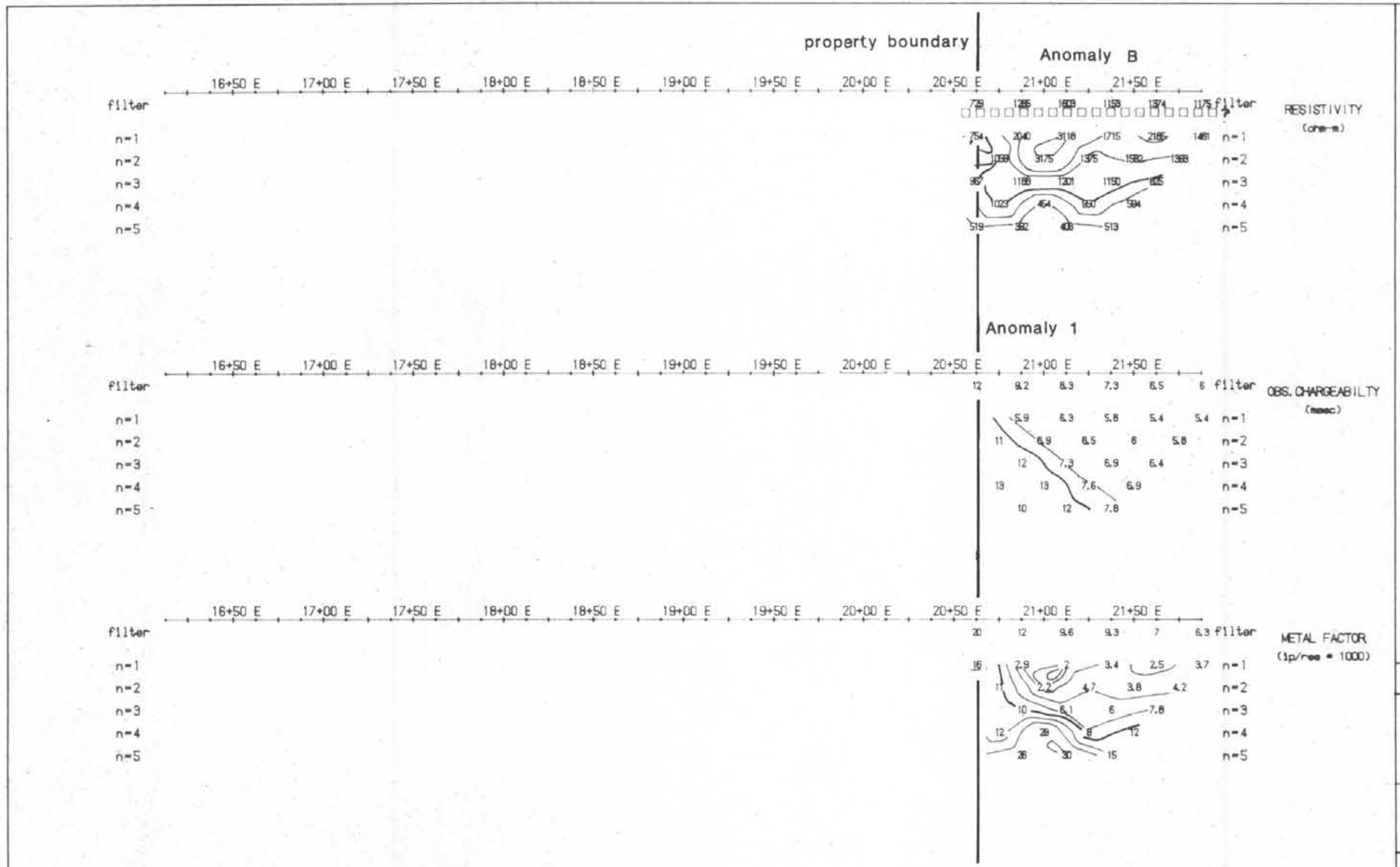
Au, Ag, As, Cu in Rocks

DRAWN	DATE	NTS	
MDM	01/93	104G/1	FIG. 3.6

REVISED

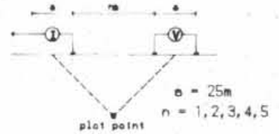






Line 700 N

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : GDL/MSH

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization
- Pronouced resistivity increase
- Pronouced resistivity decrease

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INDUCED POLARIZATION SURVEY

PANKY PROPERTY

Date: August 1992
Scale 1:2500
Interpretation by: PAC

Fig. 4.3

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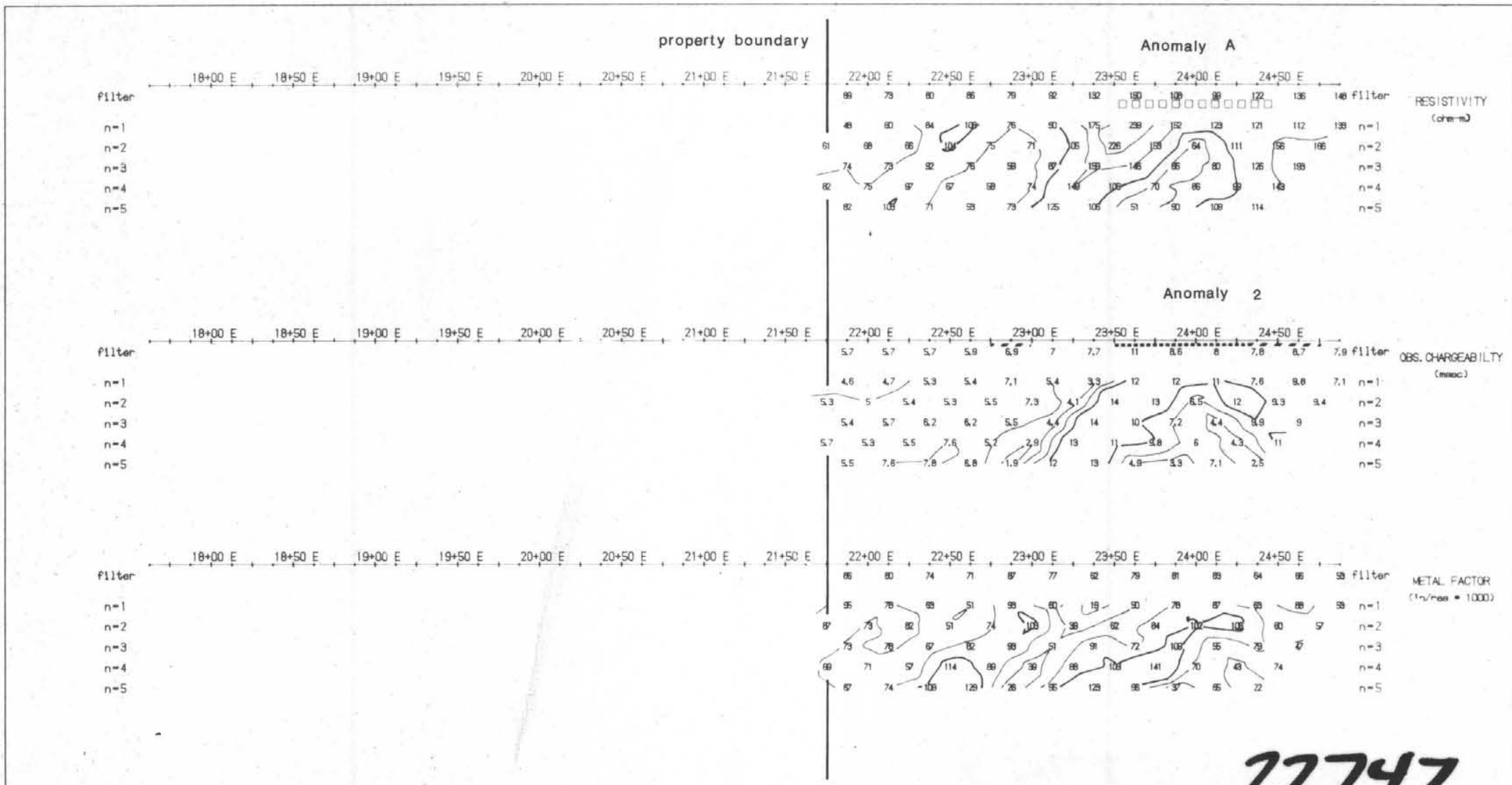
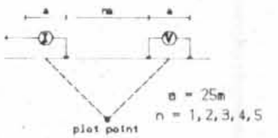
GEOBUFT (tm) Software for the Earth Sciences, Toronto, Canada



Line 900 N

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : GDL/MSH

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization
- Pronouced resistivity increase
- Pronouced resistivity decrease

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INDUCED POLARIZATION SURVEY

PANKY PROPERTY

Date: August 1992
Scale 1:2500
Interpretation by: PAC

Fig. 4.4

Pacific Geophysical

22747

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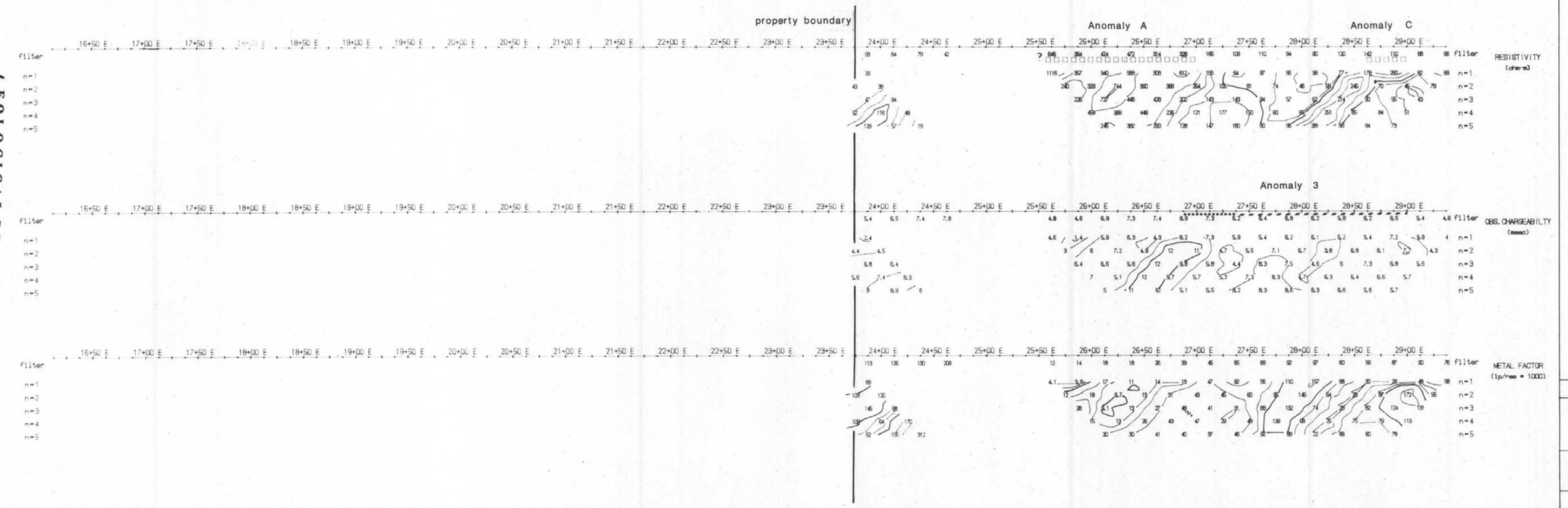
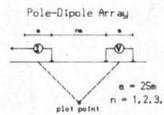


Line 1100 N

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : GDL/MSH

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization
- Pronouced resistivity increase
- Pronouced resistivity decrease

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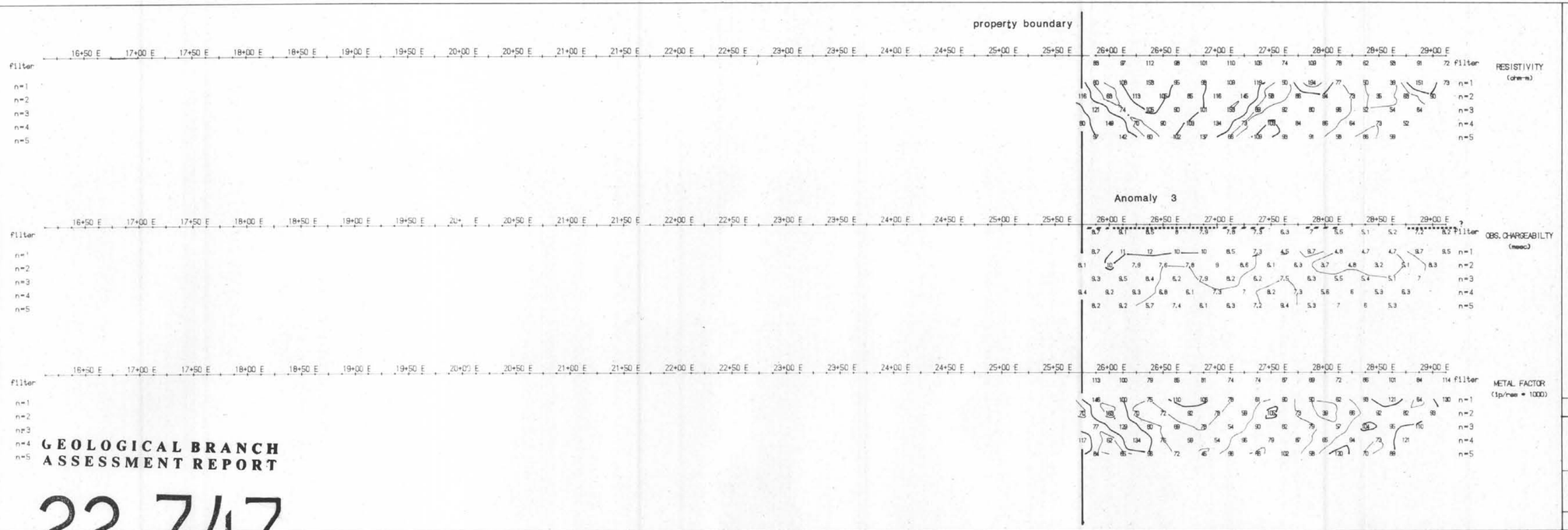
INDUCED POLARIZATION SURVEY

PANKY PROPERTY

Date: August 1992
Scale 1:2500
Interpretation by: PAC

Fig. 4.5

Pacific Geophysical



Line 1300 N

Pole-Dipole Array

a = 25m
n = 1,2,3,4,5
plot point

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : GDL/MSH

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization
- Pronouced resistivity increase
- Pronouced resistivity decrease

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INDUCED POLARIZATION SURVEY

PANKY PROPERTY

Date: August 1992
Scale 1:2500
Interpretation by: PAC

Fig. 4.6

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