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MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

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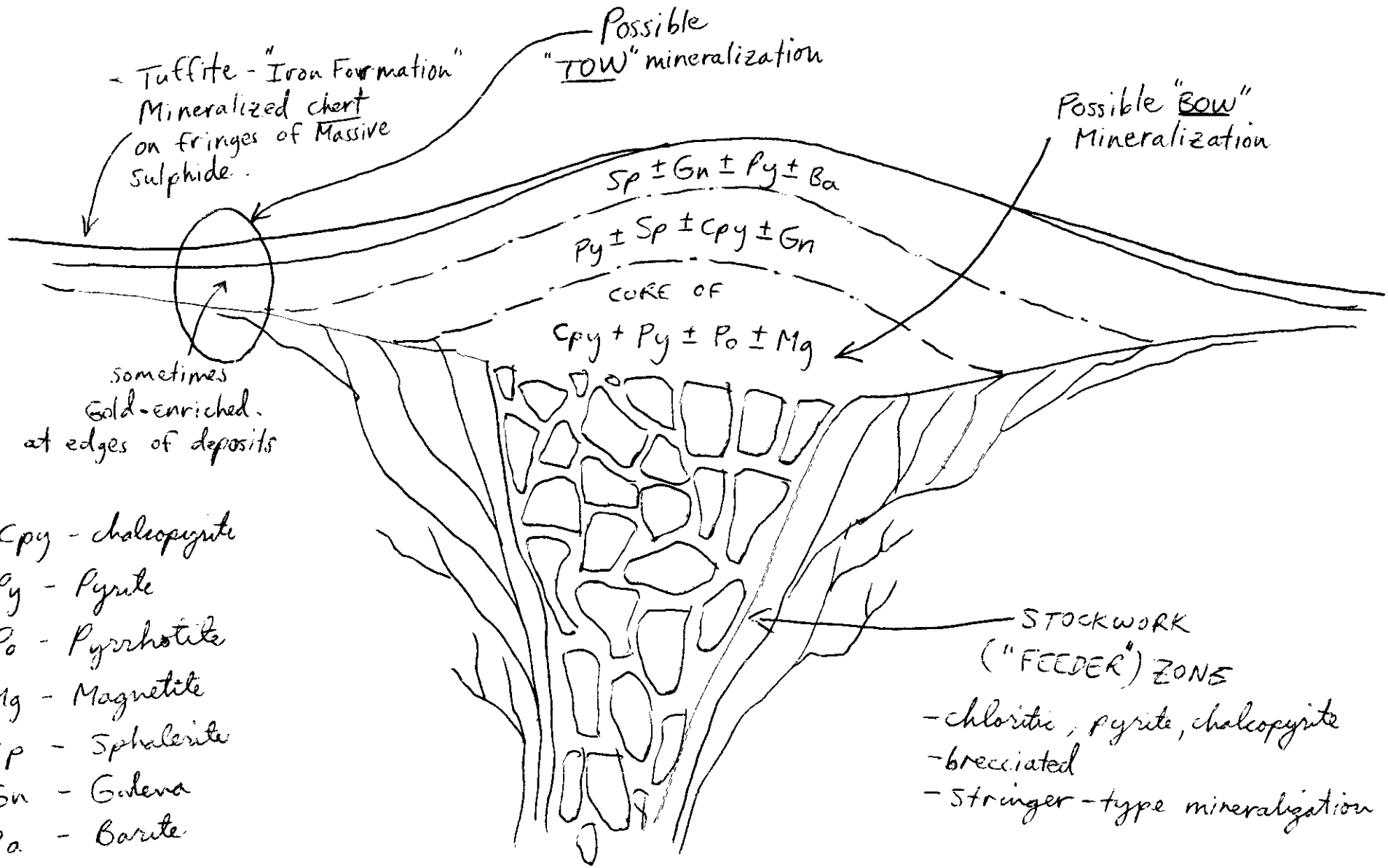
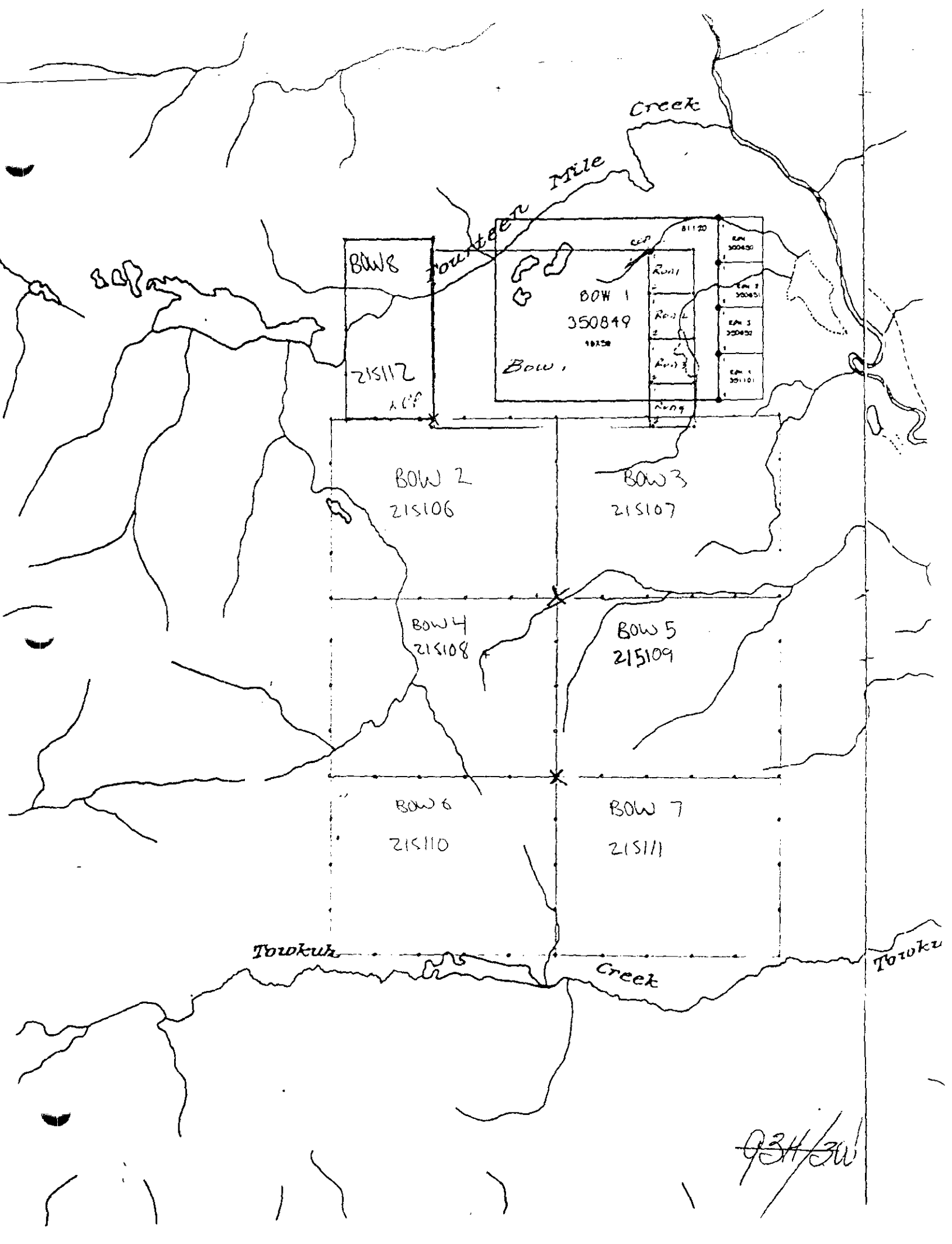
REPORT #:	PAP 97-5
NAME:	MARTIN PETER

CROSS-SECTION OF IDEALIZED MASSIVE SULPHIDE DEPOSIT




Creek
Fourteen Mile
BOW 8
BOW 1
350849
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215112
BOW 2
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BOW 4
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BOW 5
215109
BOW 6
215110
BOW 7
215111
Torokuk
Creek
Toroku
934/30

GEOCHEMICAL, GEOPHYSICAL AND PROSPECTING REPORT ON THE BOW CLAIM GROUP

CARIBOO MINING DIVISION
93H/5E
Lat. 53° 23' Long. 121° 33'

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SEPTEMBER 1997

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INTRODUCTION

During late August 1996, a grass-roots prospecting survey was conducted in an area situated to the north of the town of Wells and to the east of the Bowron river within the Cariboo Mining District. This survey was a continuation of a much larger and comprehensive program which took place during the month of June 1993 and encompassed the area bounded to the north by Highway 16, to the east by the Bowron river, to the south by Big Valley creek and to the west by the Willow river (Fig. 1). The survey covered a large part of the Antler Formation, an allochthonous oceanic volcanic terrane which includes associated sedimentary rocks.

On August 26 1996, several pieces of iron-cemented gravel were noticed exposed in a roadcut bordering a clearcut just a few hundred meters south of where the main road crosses the next creek (here called Trapper creek) south of 14-mile creek (Fig. 2). Breaking open these pieces revealed fragments of massive sulphide mineralization comprised of fine-grained pyrite and lesser chalcopyrite surrounded by cemented glacial till.

Investigation in the clearcut to the north of the road lead to the discovery of more pieces of "ferricrete" strewn about the surface of the till layer for a N-S length of approximately 300m and a width of about 150m. Glacial till depth in the immediate area was estimated at 2-4m with some road exposures of bedrock occuring to the north and south of the ferricrete area. Since several pieces of fine-grained massive magnetite were noted within some of the ferricrete boulders, a detailed magnetometer survey was conducted over the boulder field in an effort to locate the source. However, when no anomalies were obtained it became obvious that the boulder field represented a dispersal fan deposited glacially from a source some distance up-ice.

Subsequent to this preliminary examination, some 24 units of mineral claims were staked surrounding the area of interest. They are comprised of one 20 unit 4-post claim called BOW 1 and four 2-post claims situated along it's eastern boundary (the RON 1-4 claims - Fig. 3).

This report details work carried out on the BOW claims as well as in the general region during June and August, 1997.

Funding for this work was provided in part by a grant obtained from the Prospectors Assistance Program.

Recent work (1997) in the area of the BOW mineralized boulder train failed to shed any further light as to its point of origin; however, regional prospecting did uncover a new, potentially interesting zone dubbed the TOW occurence which seems to be related to a large scale fault structure which could host significant gold mineralization. Arsenic is in this case an excellent geochemical pathfinder element

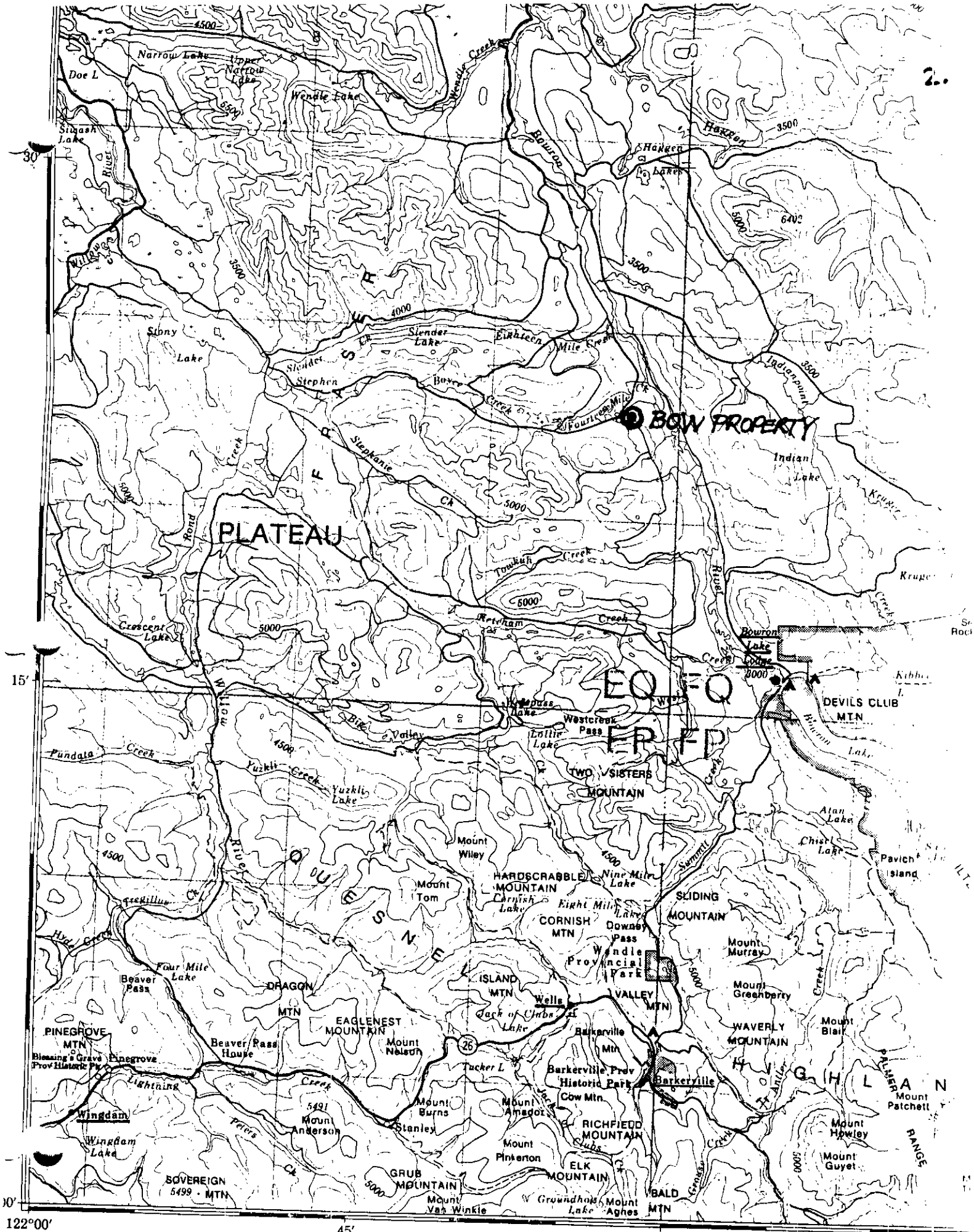

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Fig. 1 - GENERAL LOCATION MAP

which has been shown to be effective in delineating possible gold enriched zones.

The location of massive sulphide float on the BOW 1 claim is problematic in that it seems to be located at the former confluence of two glacial ice streams - one which travelled in a northerly direction down the present valley of the Bowron River and another which moved westwards towards it, following the 14-Mile Creek valley. The work described in this report pursued the theory that the float was carried by the larger Bowron ice stream and thus it originated to the south or southeast from its present location. However, since the program failed to delineate any obvious targets, further searches should probably be directed towards the west, up the valley of 14-Mile creek.

On the other hand, mineralized float rocks and ferricrete at the TOW occurrence are located near the crest of a large hill and are deemed to be very local in their source, probably within 100 meters and therefore the success level in pinpointing their source is considered high. Both areas of mineralization are worthy of further followup work - the BOW region in the search for volcanogenic massive sulphides and the TOW area for a mesothermal vein hosted deposit enriched in arsenic and gold.

LOCATION AND ACCESS

The BOW claim group is located approximately 15 kilometers north of the town of Wells, B.C. on NTS mapsheet 93H/5E in the Cariboo Mining Division (Fig. 1). General access to the claims can be gained from several different routes by an extensive network of logging roads (easily negotiated with a 4-wheel drive vehicle) all leading from highways 16, 97 and 26 to a fork on the Bowron river logging road just to the south of where it crosses Indianpoint creek on the east side of the Bowron river. Continuing south from this point, the road crosses the Bowron river to the west side passing over first 18-mile creek, then 14-mile creek and then Trapper creek (this road is not a through road).

This area is situated in the approximate N-E portion of the BOW claim group. A series of logging roads provides further access to much of the rest of the claims (Fig. 4).

The TOW occurrence is accessible via the same network of logging roads which passes through the BOW claim and is located near and at the top of a large hill which is approximately 4 km almost due south of the south-eastern corner post of the BOW 1 mineral claim.

PHYSIOGRAPHY AND VEGETATION

Elevations on the BOW property vary from 1000m in the northeast part to 1350m in the southwest corner.

Approximately one-third of the land surface covered by the claim group has been logged in the period of 1986-87 and

replanted in 1990-91. Topography on the BOW claim is flat to moderately steep.

The portions of the property that have been logged are easily traversible due to the manual clearing and burning of logging debris which was done prior to replanting. Mobility over the rest of the property is only hampered by swampy areas and areas of recent blow-down bordering some of the clearcuts. Forest cover consists of a mix of mature spruce and lodgepole pine with scattered areas of alder thickets.

At the TOW occurrence, the hill elevation is 4500 feet and the surrounding area was clearcut logged in 1987.

Topography here does not present any challenges to mobility but thick, lush plant growth on the steeper north and east facing slopes does hinder movement somewhat during the late summer months.

CLAIM STATISTICS

The property is made up of a total of 24 units: a single 4-post claim of 20 units (4S5W) and four adjoining 2-post claims (Fig. 3). Martin Peter, of North Vancouver, B.C., is the sole registered owner of the claims. A summary of pertinent claim statistics is presented below.

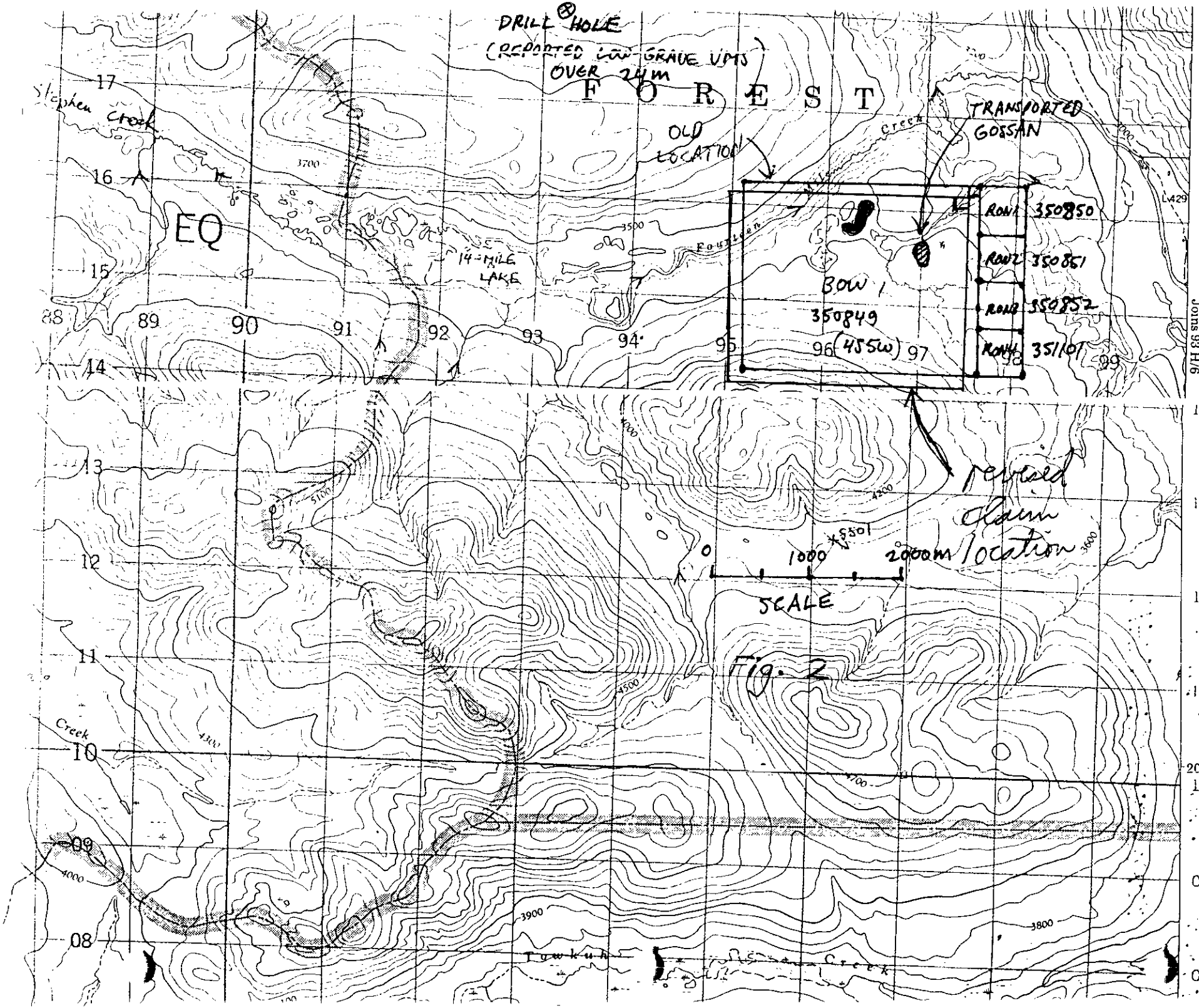
CLAIM NAME	RECORD #	UNITS	EXPIRY DATE
BOW 1	350849	20	SEPT 17/97
RON 1	350850	1	SEPT 15/97
RON 2	350851	1	SEPT 15/97
RON 3	350852	1	SEPT 15/97
RON 4	351101	1	SEPT 17/97

TOTAL: 24 Units

As of the time of writing of this report, no mineral claims have been staked to secure the TOW occurrence.

PREVIOUS WORK

There is no record of any previous work having been conducted in the immediate claim area prior to staking by the current owner. Although a number of projects have been undertaken in the general area in the past, it must be noted that exploration activity has historically been sparse in the region (with the exception of placer-mining related efforts) which is probably due to a distinct lack of identified economic mineral showings. As well, extensive overburden cover has hampered exploration, especially in the logged off valley bottoms. Nonetheless, grass-roots exploration activity has focussed on the posibility that the regional terrane could host occurences of volcanogenic massive sulphides. This thesis was pursued by several different mining companies, notably Shell Canada (1977-79), BP Resources Canada (1984-86), Esso Minerals Canada (1981-


DRILL HOLE
(REPORTED LOW GRADE VMS
OVER 24m
FOREST
TRANSPORTED
GOSSAN
OLD
LOCATION
ROW1 350850
ROW2 350851
ROW3 350852
ROW4 351101
BOW 1
350849
(455W)
EQ
14-MILE
LAKE
Stephen Creek
Fourteen
Creek
Joins 93 H/6
Revised
Claim
location
0
1000
2000m
SCALE
Fig. 2
Tawkuh
Tops Creek

82) and Noranda (1986-89), as well as several junior mining exploration companies. At the time of writing howevever, no hardrock mining claims other than the BOW group exist in the general region.

Probably the most comprehensive program previously undertaken was that of BP Resources (Farmer, 1986), which focussed on areas of acid volcanic accumulations within the Stoney Lake-18-mile creek regions. Conductors were ground-truthed from airborne geophysical surveys, geochemical soil samples were taken and the more attractive targets were then backhoe trenched. Most of the trenches did not reach bedrock and many of those that did were reported to have uncovered graphitic argillite (ie. the source of the EM anomaly).

In addition, at least one diamond drill hole was collared just south of 18-mile creek (3-4km to the northwest of the BOW claim group) to test an EM conductor associated with enhanced geochemical values (Fig. 2). Apparently, this drill hole intersected 24m of low grade VMS-type mineralization, although this cannot be confirmed because the original information was not published. Drill results were published in a subsequent unrelated report (Hoffman, 1990) and were presumably obtained as a result of a former association with BP Resources Canada.

Unfortunately, the original drill log was lost so the exact nature of the mineralization is not clear.

In the vicinity of the TOW occurence (specifically 1.5 km to the south-east of the hill top) Esso Resources collected a rock sample from a rusty outcrop in 1980 on their ANTLER claim which assayed 0.359 oz/T Au over 1.1m (Fig. 4). Grid controlled geochemical sampling in the immediate area outlined what appearred to be two related, structurally controlled arsenic anomalies, one 500m long and the other 750m long. Subsequently, the discovery outcrop was bulldozer trenched but further encouragement was not forthcoming and this work was not filed for assessment purposes (the ANTLER claim was allowed to lapse).

GEOLOGY

The BOW claim group lies within the Mississipian-Permian aged Antler Formation which is a part of the Slide Mountain Group which in turn runs much of the length of the Omineca Belt of the Canadian Cordillera. As described by Struik (1986) the Antler Formation consists predominantly of pillow basalt, cherty argillite, argillaceous chert, cherty siltite, chert and diabase along with lesser amounts of agglomerate, volcanic breccia, gabbro, greywacke, black slate and ultramafic rock.

Farmer (1986) described bedrock on the SLIDE claims (on the ridge between the 18-mile creek and 14-mile creek valleys) to comprise intercalated rhyolite, basalt, argillite and limestone. In particular there seems to be an intimate relationship between limestone and/or argillite, and the felsic unit which is repeated in the Stoney Lake

area further to the west. Significant exposures of porphyritic, fragmental rhyolite can be seen along the north side of Stephen Lake and along the ridge to the southeast of the lake (this report).

It is interesting to note that Struik (1980,1982) maps an association between the Greenberry Limestone and sills of QFP rhyolite which also occur together, bordering the western base of the Antler Formation [although he (Struik, 1980) describes the QFP there as being intrusive]. This might suggest that the acid volcanic rocks locally form the base of the Antler Formation and are exposed, possibly as an anticlinal core, in the region of the Stoney Lake/14-Mile Creek valleys. The Antler Formation is a part of an oceanic, allochthonous terrane which was moved towards and overtop of cratonal North American strata some time during the early Mesozoic (Struik, 1986).

Specifically, a cursory examination of the geology in the immediate area of the boulder train on the BOW 1 claim reveals it (from limited outcrop) to be underlain primarily by well fractured basalt and an area of intensely qtz-carb altered basalt(?) which lies immediately to the north of Trapper creek, alongside the main road. Some subcropping pale, featureless chert can be seen just to the northwest of the creek culvert. Excellent outcrop exposure is present in the gully of Trapper creek downstream of the road where it consists of somewhat sheared variolitic pillow basalt; however, further careful geological mapping will be required before a complete understanding of the local stratigraphy is achieved. Aside from the creek gully, outcrop exposure is primarily restricted to the sides of roadcuts and total exposure is not more than a five percent of the area.

MINERALIZATION

As mentioned previously, mineralization as it exists on the BOW property consists of float of massive fine-grained sulphides along with a few pieces of massive fine-grained magnetite. The individual pieces themselves range from the size of a sugar cube, on up to one boulder which weighs approximately 13 kgs. Most pieces however are slightly smaller than fist sized.

As a consequence of weathering since the retreat of the last glacial ice, those pieces which were deposited on the till surface have largely rusted away in situ, mostly leaving only chunks and boulders of iron-cemented till in their place.

However, many of the pieces of sulphides which were within the till layer and were uncovered only recently by road-building activities are relatively fresh albeit for a thin coating of limonite.

Fine-grained pyrite with lesser chalcopyrite comprise mineralization of the sulphide species of transported boulders. There is a complete absence of pyrrohtite and magnetite in these samples and the only gangue minerals

noted are clear quartz and some calcite. Copper grades vary from 1% to approximately 3%, with chalcopyrite being i) fine-grained and evenly dispersed within the pyrite, ii) forming streaks or bands within the pyrite, and iii) being remobilized into fractures and interstices. Banding is evident in some of pieces, especially layers of extremely fine-grained sulphides often lying next to a coarser grained layer. Colloform features were noted in a few of the samples. Whether or not these textures are primary is not known.

Since several egg and fist-sized pieces of massive fine-grained magentite were found to be bound up with pieces of sulphide in ferricrete boulders it can be concluded that they are a part of the same mineralized system. Indeed, the Chu Chua massive sulphide deposit further to the south in the Fennel Formation (Slide Mountain) just northeast of Barriere, B.C., also contains a large magnetite load directly underlying the main sulphide body.

At the TOW occurrence, mineralization is present entirely as float exposed along with ferricrete both in a roadcut and scattered below the top of the hill in the clearcut.

Mineralized rock is basically of two types: i) a propylitically altered type with disseminated cubic pyrite and subhedral pyrite with some patchy masses of fine grained pyrite. The color is pale buff to dark grey. ii) semi massive to massive specimens consisting of coarser patches of pyrite in a generally finer grained groundmass. Quartz is present as clear crosscutting veinlets or more substantial dark grey cherty layers. Chalcopyrite and sphalerite are present in variable amounts. Several float samples, up to fist sized, were found exposed on a skidder road below the top of the hill. Two samples were taken - BOW 97-RK-10 ran 4.72 g/t Au, 66ppm Ag, 330 ppm As, 6.96% Cu and 8520 ppm Zn. BOW 97-RK-11 gave 4.8 g/t Au, 32 ppm Ag, 100 ppm As, 19340 ppm Cu and 5520 ppm Zn.

GLACIAL HISTORY

The latest glacial ice period (the Wisconsinian) saw ice move from the interior plateau region of B.C. (probably from the Coast Mountains) in a general eastward direction to at least as far as the Fraser River jusy south of Prince George. Here it was deflected northwards by ice originating from the Cariboo Mountains which moved to the north and the northwest. Ultimately these two ice streams coalesced and headed east and southeastward up the present day valley occupied by the Fraser River east of Prince George.

Hoffman (1992) describes ice movement indicators on the north side of Eighteen Mile Creek valley showing that ice there moved in a generally easterly fashion towards the present day Bowron River. Where this ice originated from is open to conjecture; however, this glacial ice flow seems to have veered towards the northeast as the Bowron River valley was approached. This indicates that this particular ice

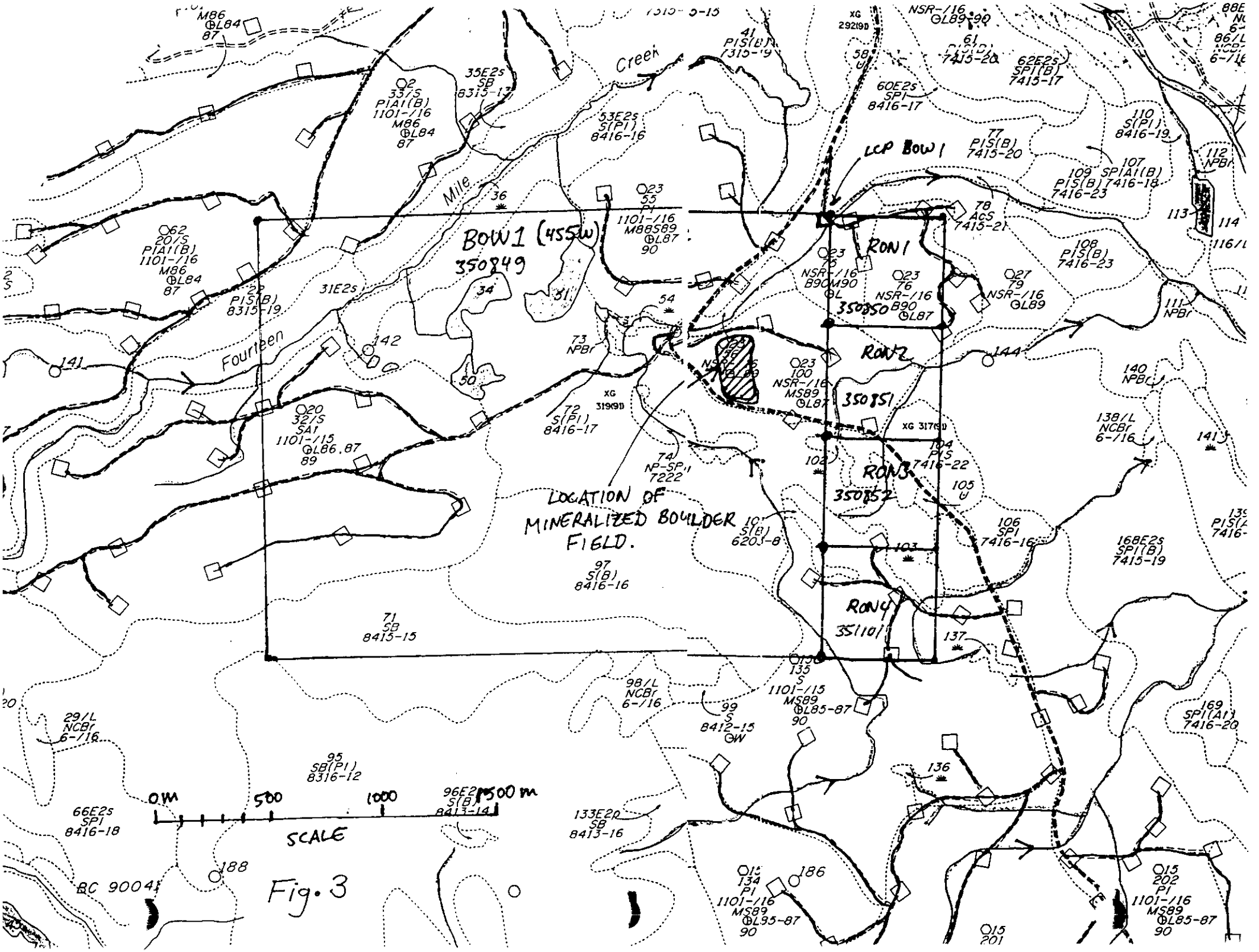

BOW 1 (455W)
350849
RON 1
350850
RON 2
350851
RON 3
350852
RON 4
351101
LCP BOW 1
LOCATION OF MINERALIZED BOULDER FIELD.
Mile Creek
Fourteen
0M 500 1000 1500 m
SCALE

Fig. 3

stream was merging with another, probably larger one, which originated from the Cariboo Mountains and was travelling northwards down the present day Bowron River valley.

Indeed, when air photos of the region are examined, well-preserved eskers are evident paralleling the direction of 14-Mile Creek in the logged off area to the north of the creek, just north of a series of kettle lakes (in many areas, it has been shown that the predominant alignment of eskers closely parallels ice-flow direction).

These northeasterly trending eskers are only evident up to a certain point when they are superseded by north-northwest trending features such as eskers, glacial grooves and lateral meltwater channels (ie. where 14-Mile Creek takes a jog just a few kilometers before entering the Bowron River).

As mentioned previously, the BOW boulder field seems to be located near or at the former juncture of two ice streams which complicates the task of tracing the float back to a source. Due to the fragility of the sulphide specimens and since the material of interest was deposited on and in basal till within about 2-4m of bedrock, it was likely transported a fairly short distance, probably within 500m. However, it may also have travelled from up to one kilometer in distance or possibly more.

On a positive note, the till within which the mineralization is found, appears to be completely undisturbed by any subsequent glaciofluvial actions.

BOW PROPERTY WORK

In preparation for geochemical and geophysical work on the BOW property, 22km of grid line was chained and flagged in the area of the boulder field (Fig. 5). With the exception of a small tightly controlled grid immediately over the mineralized float, the majority of the grid was placed to southeast and southwest of the boulder concentration. A N-S baseline and an E-W baseline intersect at station L10+00N, 10+00E, which is located on a small ferricrete covered hummock immediately north of the road in the clearcut. The north baseline continues to L13+00N (through the boulder field) and heads south to station 3+00N. The east baseline continues east to L16+00E, and west to station 4+00E. Grid lines to the east of the N-S baseline and to the south of the E-W baseline were run in a N-S orientation, every 50m while those to the west of the N-S baseline were generally run E-W (again at 50m intervals). All grid lines were station flagged every 25m where a magnetometer reading was taken; however, geochemical samples were taken much less frequently.

BOW GEOCHEMICAL SURVEY

A total of 93 soil samples were collected from the BOW grid usually at 100m intervals, although this varied

somewhat due to the avoidance of sampling swampy and disturbed areas. Soil samples were taken only from grid lines to the south of the E-W baseline and east of the N-S baseline. As well, three samples were taken along the N-S baseline through the boulder field and seven samples were taken alongside the main logging road which skirts the clearcut. The soil samples were collected from the "B" soil horizon by digging a hole with a mattock generally to a depth of 20-30cm. The samples were placed in Kraft paper envelopes and sent to CHEMEX labs in North Vancouver for analysis. The ICP-32 element package was requested - no gold analyses were done on any of the soils. Soil development in the grid area is generally poor.

RESULTS

There are no obvious geochemical anomalies on the BOW grid. Two relatively elevated copper values were obtained - 92ppm Cu at station L10E, 10+00N and 64ppm Cu at L12E, 10+00N. Zinc values are also somewhat anemic with a high value of 128ppm also obtained at L12E, 10+00N. A single high silver value of 0.6ppm was gotten at L10E, 11+50N. These dissapointing results probably indicate that the mineralization source does not underlie the area of the grid that was soiled. All the high geochemical values are in the immediate mineralized float area and are probably associated with contamination from the individual float specimens.

As well as the soil survey, three representative samples of the mineralized float rock were sent for analysis. Two of the samples were assayed and gave 3.10% Cu and 1.27% Cu. Zn and Pb values are negligible however there is gold and silver enrichment (0.25 g/t Au, 10.6 g/t Ag and 0.10 g/t Au, 7.7 g/t Ag respectively). The third sample (BOW 97-RK-09) was run for 32 elements and contained 0.125 g/t Au and 5440 ppm Cu.

BOW GEOPHYSICAL SURVEY

As a result of finding massive magnetite float alongside the massive sulphide float a hand held magnetometer survey, using a Geometrics 837 Unimag Proton Magnetometer, was completed over the entire grid in an effort to locate the VMS system. The Unimag provides 10 gamma resolution over a range of 20,000 to 100,000 gammas and the instrument measures total field intensity. The operating principle behind the proton magnetometer is well documented in literature and will not be discussed in this report.

Data is displayed on a 4 digit LED readout after pressing a button on the top of the Unimag. Since the instrument has a 10 gamma resolution, only the 4 most significant digits are displayed. For example, if the earth's field intensity at a given location is 57560 gammas, the readout will display the number 5756 with the least significant digit

being omitted. However, the readout 5756 actually represents a 10 gamma measurement ranging from 57555 to 57565 gammas.

Values obtained were not corrected for diurnal variation due to the nature of the target sought. A VMS occurrence with massive magnetite lodes will certainly give clearly anomalous readings - subtle anomalies are more often due to changes in rock types in this environment.

RESULTS

As with the geochemical survey results, results from the magnetometer survey are equally as disappointing (Fig. 6). None of the values obtained can be considered to be anomalous. Due to familiarity with values obtained under a range of mineralized conditions it can be stated that no significant accumulations of magnetic minerals exist in bedrock covered by the survey.

TOW OCCURRENCE WORK

As mentioned previously, the TOW occurrence was discovered as a result of regional prospecting after the location of the BOW property. Initially, a small grid totaling 1.1 line km was flagged surrounding and uphill of mineralized float located on the side of a hill several kilometers south of the BOW claim. 21 soil samples were collected and on one of the lines (L10N), magnetometer readings were taken. Later, the grid was modestly expanded with the addition of L8N and follow-up work involving roadside soil sampling and a small amount of hand trenching was done (Fig. 7).

RESULTS

Most, if not all, of the soil samples taken from the TOW grid and surrounding area can be considered anomalous with respect to Arsenic. The highest value obtained was 2060ppm As from the area of Trench B which was dug(and abandoned after hitting a clay rich hardpan) on what can best be described as a vegitative kill zone near the top of the hill. "Kill zone" patches which consist of exposed orange-red soil, exist about the top of the hill and are associated with a lack of vegetation and a stunting and pale coloration to juvenile trees growing adjacent to the patches. There is no recognizable linear pattern of high arsenic values, which may be due to downhill dispersion or could be due to localized areas of mineralization. Arsenic enrichment in soils has been documented by Noranda in 1989 (assessment report #19091) on the former CR claims in the headwaters of As creek on the east side of the Bowron river just to the north of the Bowron Lakes Park. Two large linear arsenic anomalies were delineated (with values up to 2100ppm As) trending towards the north west. On the west side of the Bowron river to the north of Towkuh creek, ESSO minerals

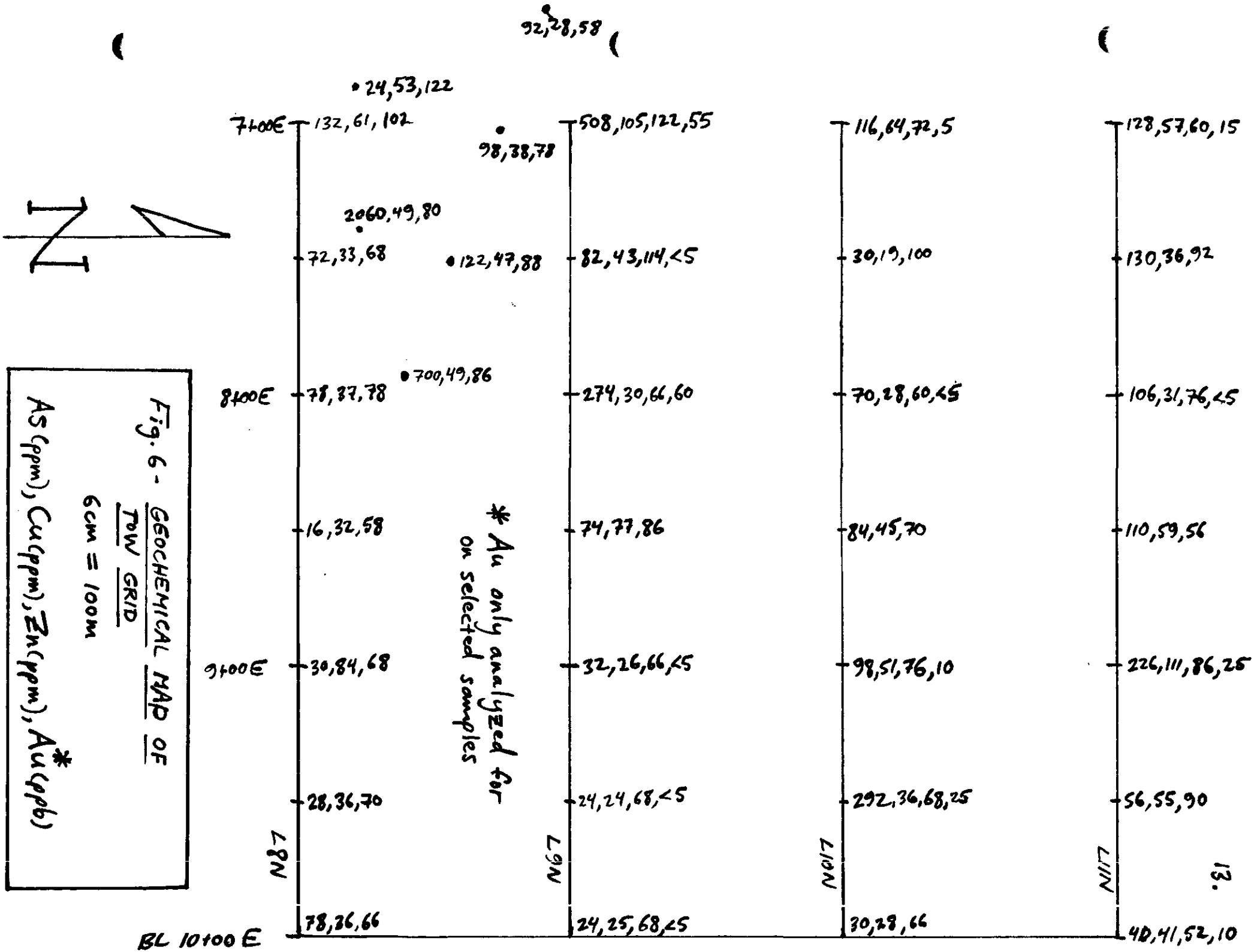


Fig. 6 - GEOCHEMICAL MAP OF TOW GRID

6cm = 100m

As(ppm), Cu(ppm), Zn(ppm), Au*(ppb)

outlined a similarly trending As anomaly in soils which included a rock assay sample from outcrop which ran 0.359 oz/T Au over 1.1m (assessment report #10,731). Furthermore, the TOW grid area is 1.5km to the northwest of this outcrop. Thus, it can be postulated that the TOW occurrence is possibly a part or an extension of a large persistent regional fault structure or a series of en echelon features enriched in places in arsenic and perhaps gold and which run in a generally north-westerly manner (roughly 300 degrees) for a distance of a least 7km.

A repeat of the ESSO-sampled outcrop was taken during this program - it gave >10000ppm As and 4.00 g/t Au, confirming the potential for gold mineralization within this possible regional structure. The sampled outcrop could be described as a gossanous, steeply north dipping fault zone, flanked by less mineralized although still fractured basalt. A smaller parallel fault lies to the north and both trend about 270 degrees.

TOW HAND-DUG TRENCHES

One larger hand trench (Trench A) was dug 6m in length and an average of 1m in depth at the top of the hill approximately at L9N, station 7+00E on an exposed patch of red soil which gave 508ppm As during the initial soil survey. This trench exposes faulted, Fe-carbonate altered rock with a zone of quartz-carbonate veining present from 2-4m from the north east end (Fig. 8). The veining seems to trend at 120 degrees although this is difficult ascertain because the trench is narrow and the veining itself is also somewhat faulted. The most significant sampled interval was TRA03 which sampled the veining from 2m to 3m and gave 0.23 g/t Au and 1985ppm As.

Trench B was a pit dug on a "kill zone" patch 25m due N of L8N, 7+50E, where a soil ran 2060ppm As. However, the trench was abandoned and later back-filled when an impermeable hardpan was encountered.

Trench C is really a shallow scraping to uncover several quartz-flooded carbonate-altered boulders 18m from L8N, 7+00E at N40E. A grab sample was taken from the boulders with negligible gold and arsenic results. It is not certain if the boulders originated from the area or have been glacially tranported there.

At the TOW occurrence, the crest of the hill is in fact split into two high points by a shallow N-W trending draw, which could denote the center of a large fault zone which runs down the hill towards the ESSO trench. Most of the mineralized rock seen in the area either as float or bedrock is pervasively Fe-carbonate altered, although several pieces of angular float found near L10N, 9+00E consisted largely of massive pyrite and chalcopyrite with high Au and Cu and elevated levels of Zn and As (BOW 97-RK-10 and -11). It could be that these angular float pieces have emanated from a location associated with this possible fault zone.

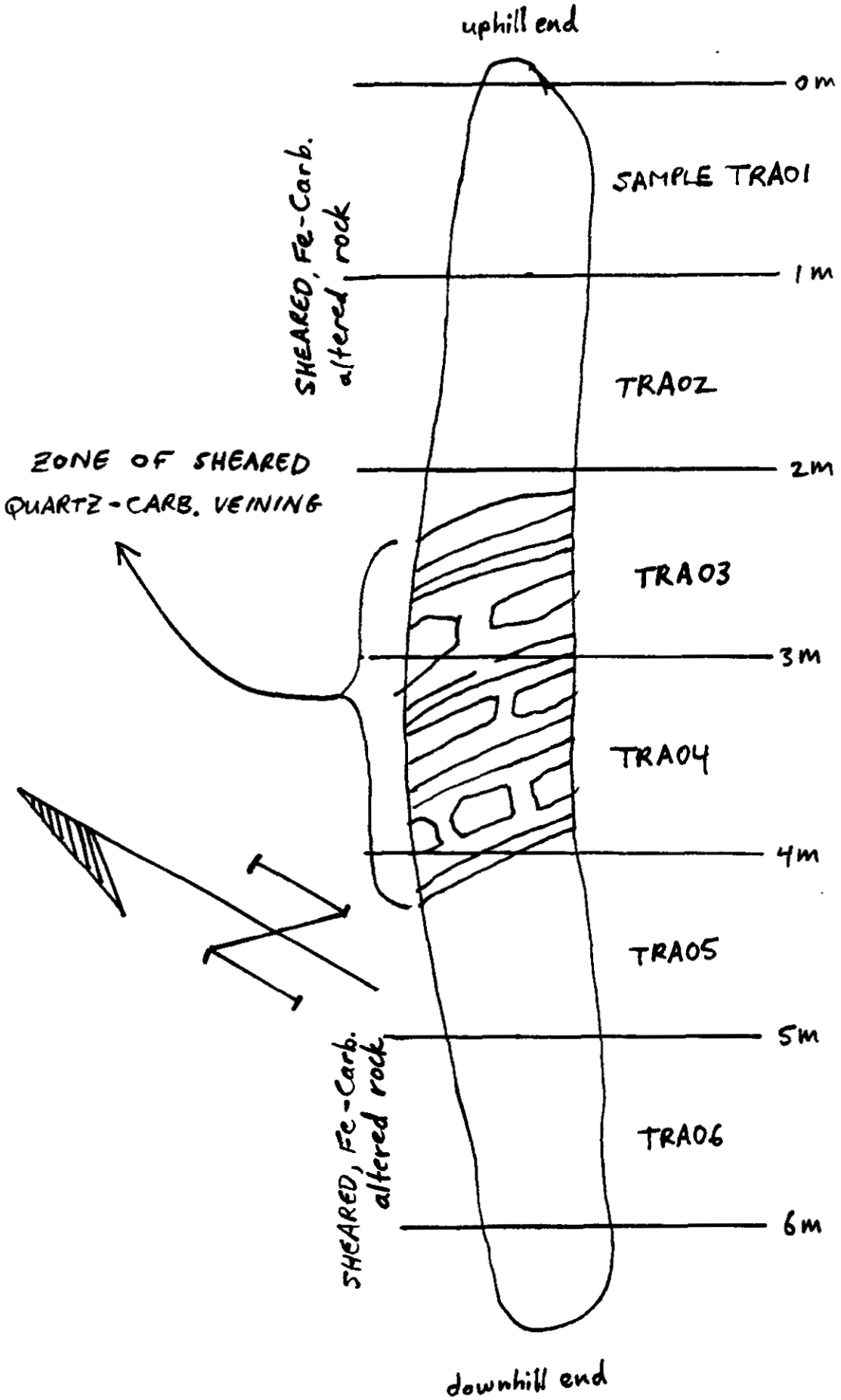


Fig. 8 Plan of Trench 'A' and sample locations on TOW grid area.

REGIONAL STREAM SILT SAMPLING PROGRAM

A total of 33 silt samples were taken from streams between Trapper creek and Towkuh creek to the west of the Bowron river. Most sites were sampled just upstream of road culverts and on some individual streams, more than one sample was taken (Fig. 4). Samples from streams which have their headwaters on the TOW area hill are all anomalous with respect to arsenic with a high value of 172 ppm from sample SS-55 which was taken furthest downstream on a creek which has its origin directly below the hilltop.

Two samples (SS-10 and SS-12) can be considered to be anomalous in Cu. SS-10 (81ppm Cu) was collected from a fairly substantial stream flowing from the south or southwest into the swamp to the south of the BOW boulder field. This stream is not drawn on a detailed forest cover map, but should be followed up along its length with samples taken every 200m. SS-12 (83ppm Cu) was taken from a seepage (undergound stream?) entering the swamp at a point roughly 400m to the west of SS-10.

CONCLUSIONS AND RECOMENDATIONS

The style of mineralization found as float on the BOW claim group looks distinctly volcanogenic. The rocks in the area support this hypothesis in that they are submarine in origin possibly formed in a back-arc or marginal basin and consist of a mix of mainly pillow basalt, along with chert, argillite, some intrusive rocks and in places felsic volcanics and limestone. Rock types seen in the Antler Formation match those found within the Fennel Formation further to the south.

The Fennel Formation also hosts several occurences of copper-rich massive sulphides, most notably the Chu Chua deposit which contains reserves of approximately 2 million tonnes of 2 per cent copper, 0.4 per cent zinc, 0.4 gram per tonne gold, and 8 grams per tonne silver (Craigmont Mines, 1980). Most recently, Minnova Inc. (1989) significantly expanded the width of the main lens at surface, adding to the geological reserves and outlining a smaller and higher grade resource amenable to open-pit mining. It should be noted that from a cross-sectional diagram of the widest part of the deposit, it appears that greater than one half of the deposit has been removed by erosional forces.

Therefore, the geological environment of the Slide Mountain Group is an attractive one for the search for at least mafic-hosted copper-rich (or "Cyprus-type") massive sulphide deposits of a significant size which include credits in gold and silver.

Although as yet no confirmed mineralization has been discovered associated with the rhyolite volcanics, there has been a previously mentioned report of a drill-intersected

width of 24m of low-grade VMS material found at the contact between QFP rhyolite and argillite(?), several kilometers to the NW of the BOW claim. This intersection was anomalous in Cu, Zn, Pb and Ag, and Ba levels were elevated above the base metal rich intervals. The rhyolite rocks certainly are an intriguing exploration taget when viewed in the light that many of the world's economic massive sulphide deposits are associated with felsic volcanism.

Recommendations for further work on the BOW property include a program of surficial geology studies of the area, through both air photographs and field work. Also, heavy mineral determinations of glacial till sites would aid in tracing the path of the glacier which transported the mineralized float.

Rocks of the Slide Mountain Group (of which the Antler Formation is a part), can be viewed as being the potential hosts for not only volcanogenic massive sulphides deposits, but also for "Archean-style" or mesothermal lode gold deposits. Mesothermal vein deposits of Paleozoic/Mesozoic age are found throughout British Columbia in the Coquihalla, Bralorne, Cariboo, Rossland and Cassiar districts and like many deposits in Archean greenstone belts, many in B.C. are hosted by mafic volcanics or their associated sedimentary or intrusive rocks. Furthermore, gold deposits of Archean age are characteristically related to steeply dipping planar shear zones of brittle to ductile deformation as are those found in British Columbia.

The TOW work has documented a string of arsenic in soil occurrences stretching in a linear pattern across 7km of strike length. As seen in Trench A and at the ESSO trench, faulting is associated with arsenic and gold enrichment which is in accordance with the model for vein-hosted mesothermal deposits. Further work on the TOW occurrence would include an expanded grid, an EM survey, more soil sampling and contingent on the results, possible mechanized trenching.

REFERENCES

1) Farmer, R., 1986 Geological, Geochemical and Geophysical Assessment Report on the SLIDE 14 Mineral claims. Assessment report # 14589.

2) Hoffman, S., 1990 Geochemical Survey of the DH claim group - Stoney Lake project. Assessment report # 21613

3) Hoffman, S., 1992 Terrain analysis or DH claim group - Stoney Lake project. Assessment report # 22562

4) Struik, L.C., 1980. Geology of the Barkerville - Cariboo River area, Central B.C., PhD thesis, University of Calgary, Calgary, Alta.

5) Struik, L.C., 1981. A reexamination of the type area of the Devono-Mississipian Cariboo Orogeny, Central B.C., Can. J. Earth Sci. 18. 1767-1775.

6) Struik, L.C., 1986. Imbricated terranes of the Cariboo gold belt with correlations and implications for tectonics in southeastern B.C. Can. J. Earth Sci. 23 1047-1061.

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, Martin C. Peter of the City of North Vancouver, Province of British Columbia, state that:

1. I have obtained a Bachelor of Science Degree (Zoology) from the University of British Columbia in 1985.

2. I have worked for various Mining Exploration Companies throughout B.C. during summer months for a total of 7 field seasons.

3. I have previous prospecting experience (1992,1993 and 1996) on a seasonal basis mainly in Slide Mountain Formation areas and have previously vended a mineral property (1992 and 1993) to a Mining Exploration Company and have written and had accepted an assessment report (# 22296).

4. All data contained within this report and conclusions drawn from it are true and accurate to the best of my knowledge.

Martin C. Peter
PROSPECTOR
Sept. 1997

APPENDIX III

THIN SECTION RESULTS

Mon, Mar 3, 1997

Bow 1 Property massive sulfide sample (F1)

The sample is relatively dense, compact, and composed predominantly of pyrite, with trace to minor chalcopyrite, and quartz gangue.

Pyrite: forms about 95% of the sample; grain size varies from 0.02 mm to 0.6 mm diameter (average 0.1 mm). Two varieties are present:

type 1) relict early colloform spheres and layers which are now present only as inclusions in the cores of recrystallized pyrite (see Figure 1). This colloform variety is fairly rare and seen only in a few places. It likely represents the earliest phase of pyrite deposited in the system, and has been replaced for the most part by type 2) (see below).

type 2) recrystallized, subhedral to euhedral, interlocking pyrite grains (see Figures 2, 3, 4). Recrystallization may have occurred in response to regional metamorphism or simply to "zone refining" while the massive sulfides were accumulating at the seafloor. This pyrite is now comminuted (smashed and crushed) in quite a few places, with angular shards; this is likely due to subsequent deformation (and folding?) of the massive sulfide lens.

Quartz: forms about 3% of the total sample; grain size varies from 0.01 to 0.2 mm diameter (average 0.05 mm); grains are anhedral, and interlocking, and present largely in interstices or voids between recrystallized pyrite grains (see Figure 5). Some quartz is also present as microveins which crosscut the pyrite. There was some movement along these fractures during quartz deposition, as seen by the bent and elongate nature of the quartz fibres in these veinlets (see Figure 6). The textural term for this is "antitaxial veins".

Chalcopyrite: forms about 2% of the total sample; grain size varies from 0.001 mm to 0.2 mm diameter(average 0.01 mm); it mostly fills late fractures within recrystallized pyrite (see figures 2,3,4) and is also present as anhedral grains or blebs occurring as inclusions in pyrite; in one place, chalcopyrite is seen to replace type 1 colloform pyrite.

Summary: massive pyrite-chalcopyrite-quartz; no zinc minerals.

Mon, Mar 3, 1997

Bow 1 Property massive magnetite samples

These two samples are relatively dense, compact, and composed predominantly of magnetite.

Magnetite: forms about 90% of the sample; grain size varies from 0.001 mm to 0.2 mm diameter (average 0.05 mm), ragged intergrowth of interlocking fibrous laths (replacive after hematite and/or goethite?) (See Figures 7, 8).

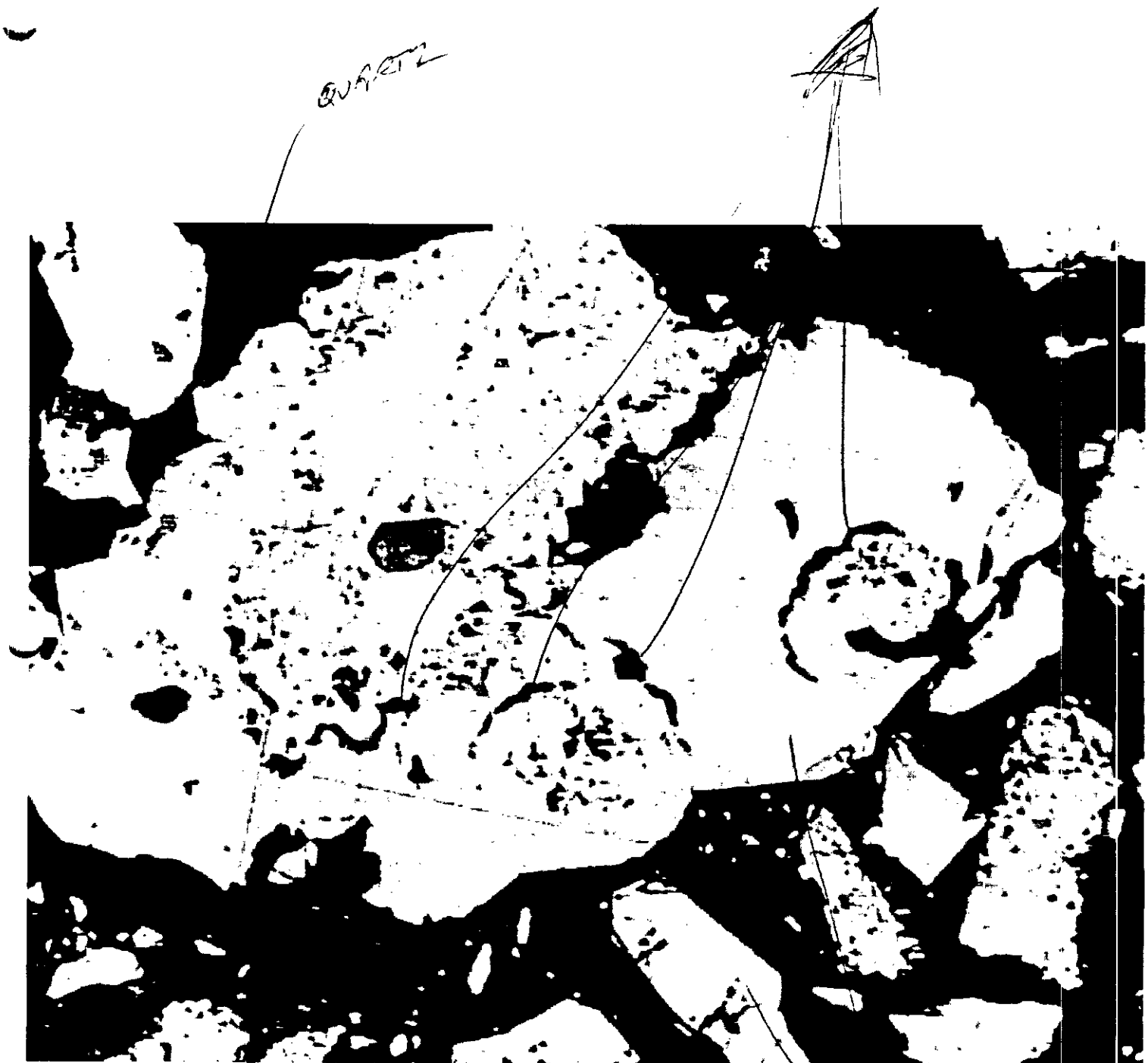
Goethite-lepidocrocite: forms about 10% of the total sample; grain size varies from 0.001 to 0.2 mm diameter (average 0.05 mm); grains are anhedral, and interstitial to magnetite fibers.

Hematite: trace amounts, very fine grained, amorphous, anhedral, interstitial to magnetite fibers.

Chalcopyrite: present in only trace amounts; finely disseminated, anhedral, irregular, grain size varies from 0.001 mm to 0.1 mm diameter(average 0.05 mm). Present as vestigial (remnant or left behind) grains within fibrous iron oxides (see Figures 9, 10).

Summary: massive magnetite with lesser goethite and hematite, and trace chalcopyrite. Probably oxidized massive sulfide "gossan".

FIGURE 1.

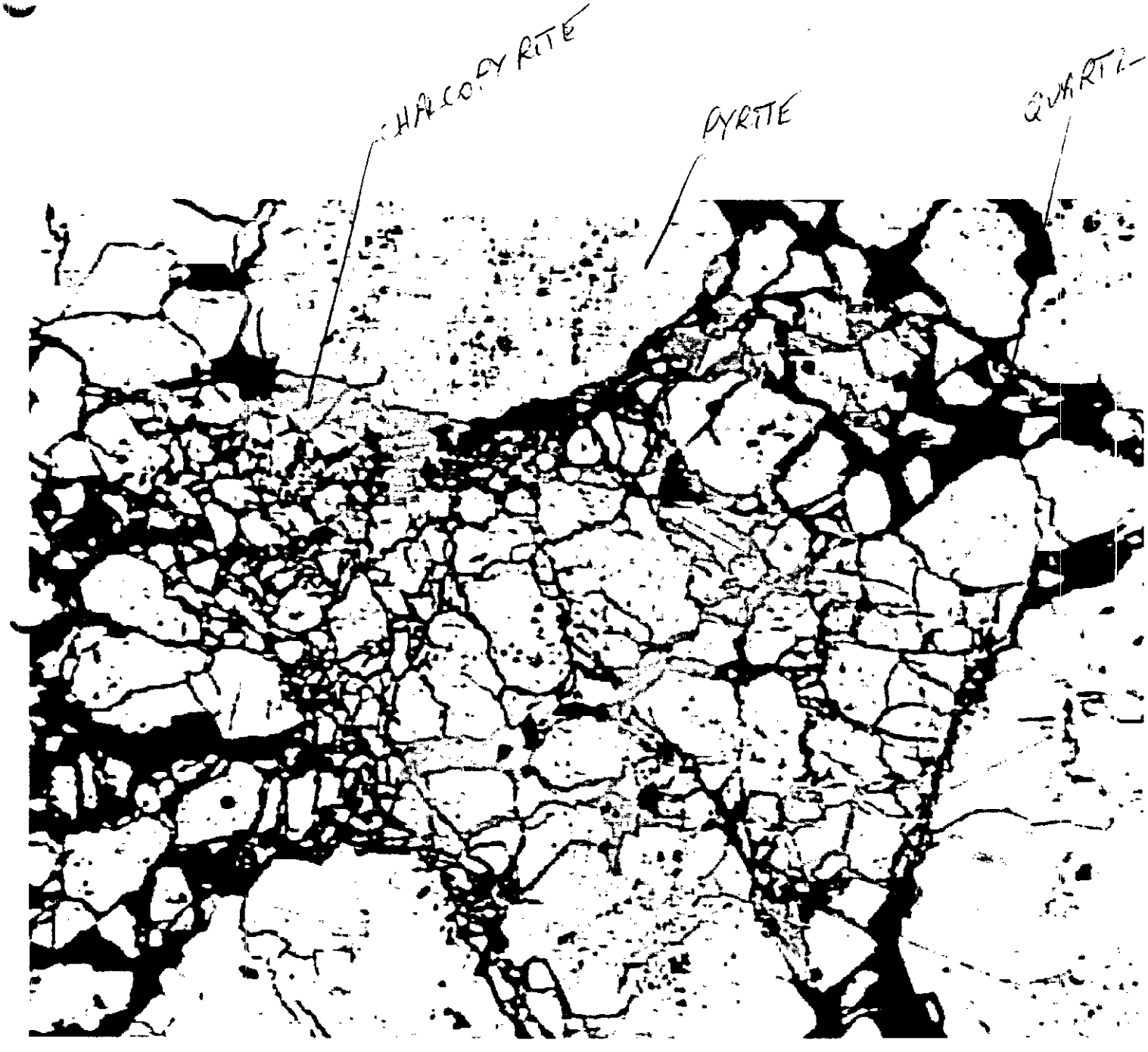


F1. SUN MASSIVE SULFIDE: RECRYSTALLIZED PYRITE WITH INCLUSIONS OF COLLOFORM PYRITE. (EUHEDRAL VARIETY REPRESENTS AN OVERGROWTH ON THE COLLOFORM VARIETY). COLLOFORM VARIETY WAS THE ORIGINAL PRECIPITATE.

FIELD OF VIEW IS ~ 1 mm WIDE

REFLECTED LIGHT PHOTOMICROGRAPH

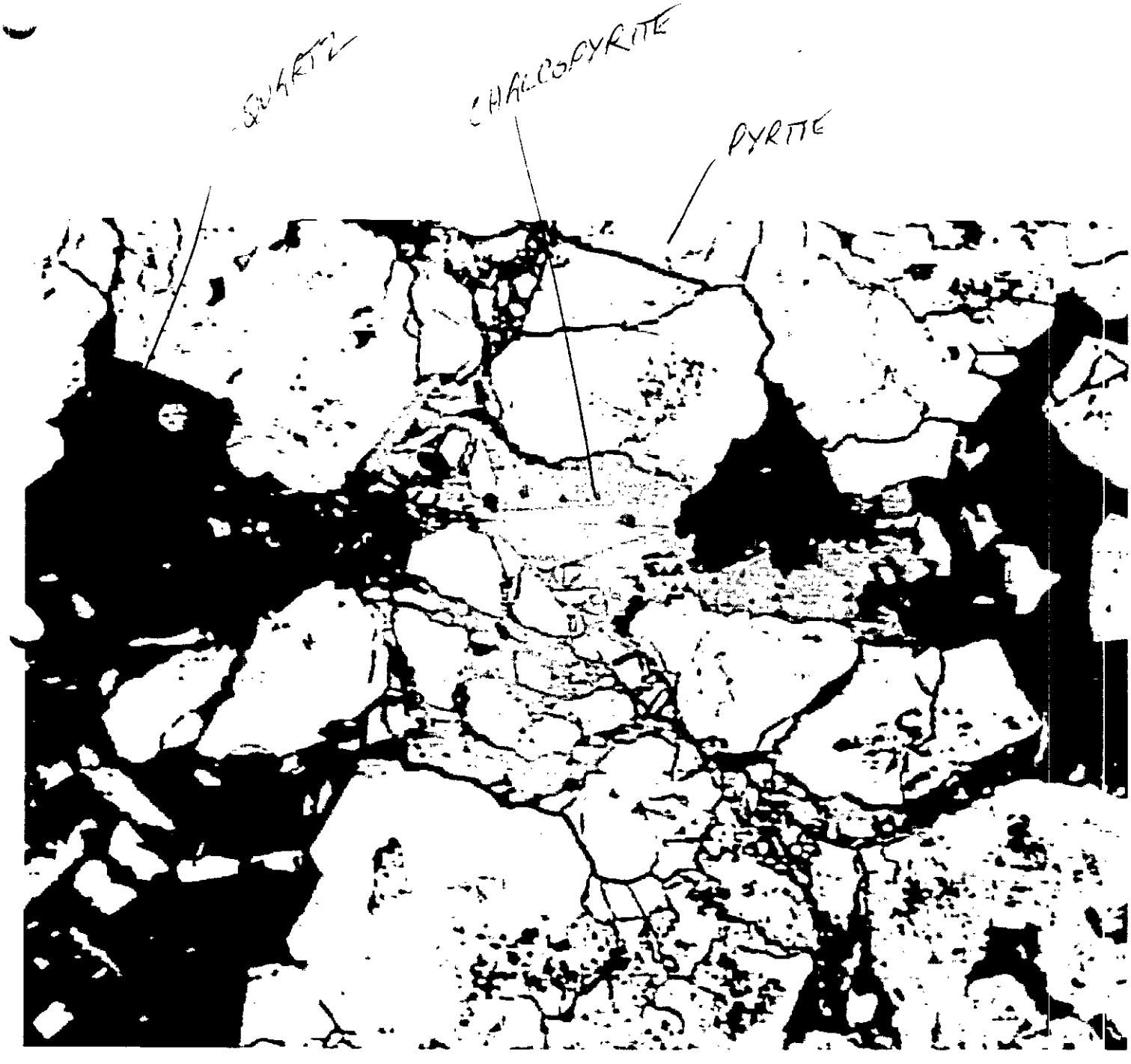
FIGURE 2



F2. BOW MASSIVE SULFIDE: FRACTURED PYRITE WITH CHALCOPYRITE FILLING FRACTURES. FIELD OF VIEW 1.8 mm

10X NPL

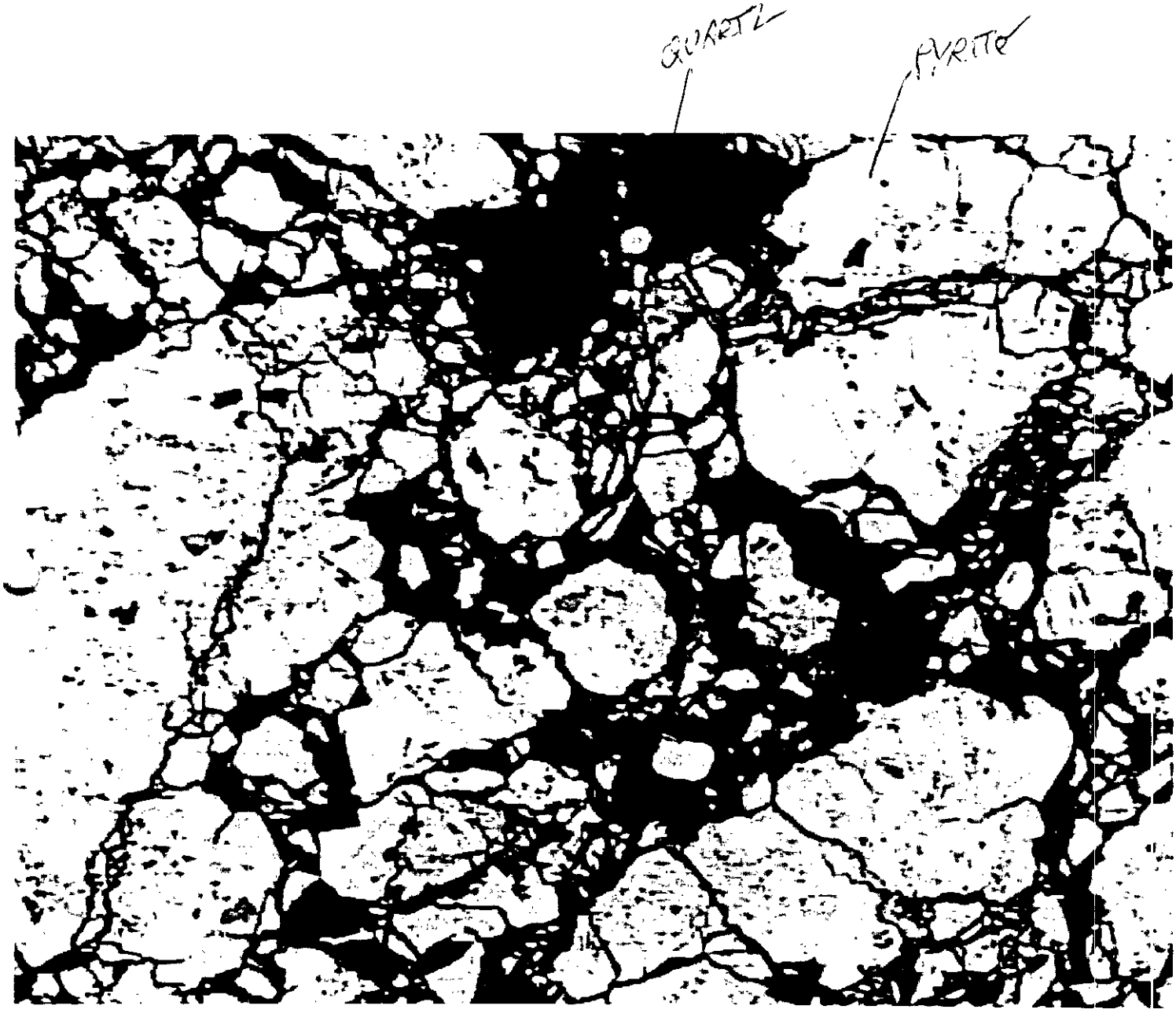
REFLECTED LIGHT



F1. BON MASSIVE SULFIDE. FRACTURED PYRITE WITH CHALCOPYRITE ALONG FRACTURES (FILLING) AND IN GRAIN INTERSTICES. CHALCOPYRITE IS LATER THAN PYRITE. FIELD OF VIEW 1.8 mm.

REFLECTED LIGHT 10X OIL OBJ

FIGURE 4.



F1. BOW MASSIVE SULFIDE. FIELD OF VIEW ~~1.~~ 1.8 mm WIDE COMMINUTED (CRUSHED) PYRITE GRAINS. DARK GREY IS QUARTZ.

REFLECTED LIGHT 10X NPL LENS.

FIGURE 5.

F1. BOW MASSIVE SULFIDE. INTERLOCKING, ANHEDRAL TO SUBHEDRAL QUARTZ GRAINS IN INTERSTICES BETWEEN RECRYSTALLIZED PYRITE. FIELD OF VIEW 3.5 mm WIDE

5X NPL

TRANSMITTED LIGHT POLARIZED LEVS.

FIGURE 6

F1. BOW MASSIVE SULFIDE. CLOSE-UP OF ANTITAXIAL QUARTZ FIBRE VEINLET IN FRACTURED PYRITE. INDICATES QUARTZ FILL DURING SLIGHT MOVEMENT ALONG PYRITE FRACTURE. FIELD OF VIEW 3.5mm WIDE.

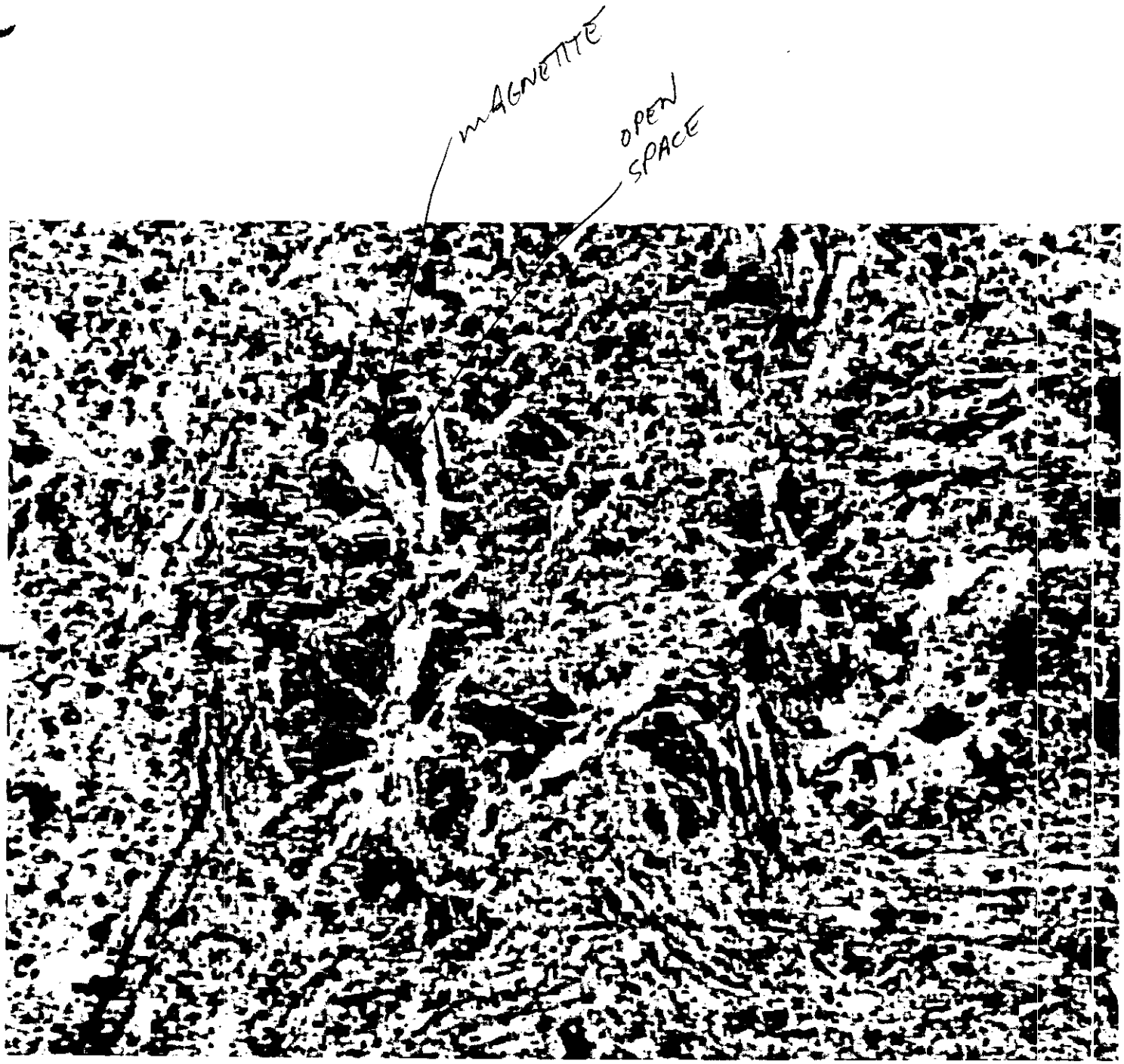
TRANSMITTED LIGHT, POLARIZED EXPL LENS

FIGURE 7.

BOW MASSIVE MAGNETITE PIECE 2 (SKINNIER) FIBROUS INTERLOCKING MAGNETITE WITH AMORPHOUS INTERSTITIAL GOETHITE — LEPIDOCROCITE & LESSER HEMATITE. FIELD OF VIEW 0.9 mm WIDE

REFLECTED LIGHT 20× NPL LENS

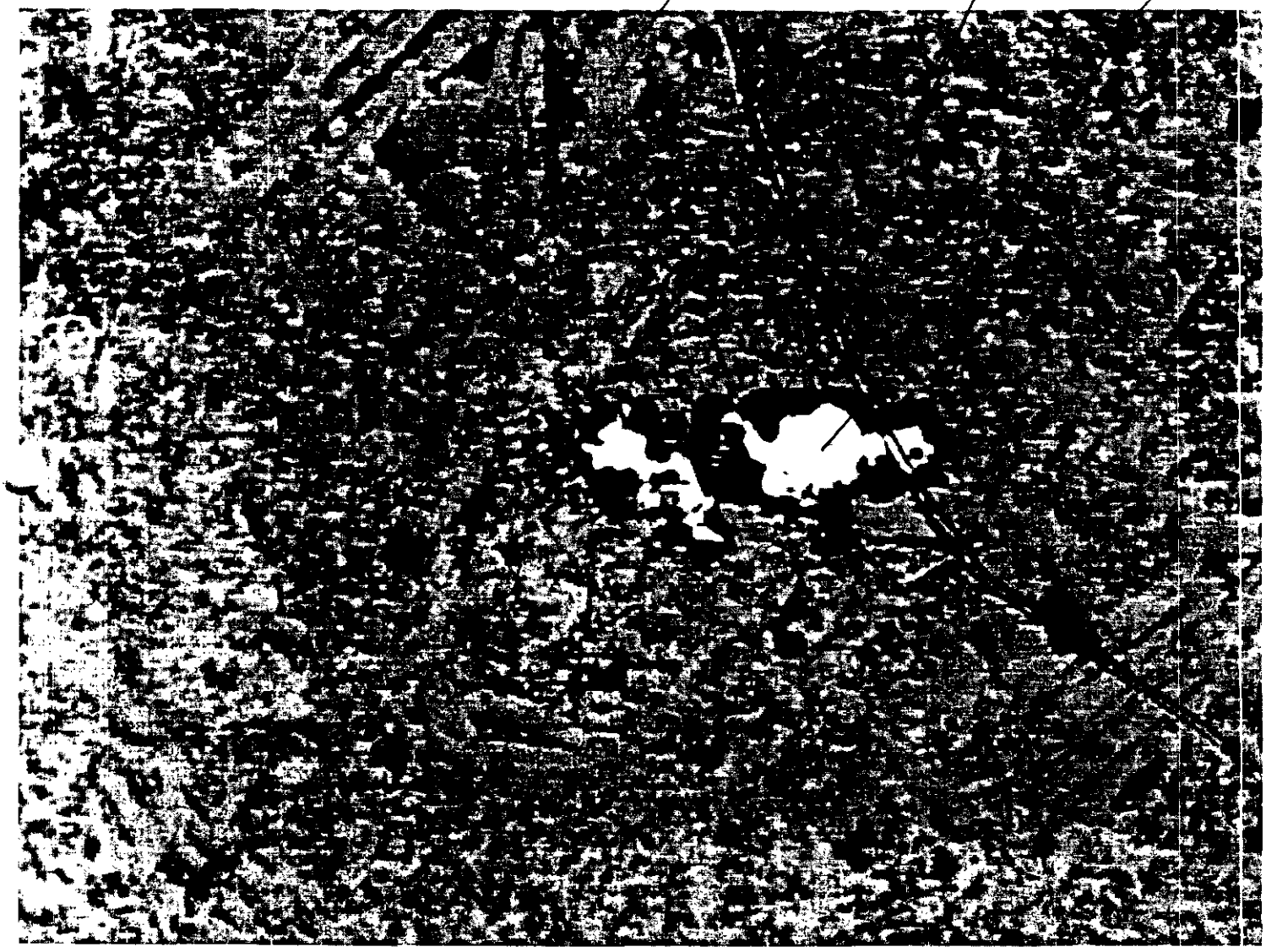
FIGURE 8



W MASSIVE MAGNETITE. PIECE 1 (BIGGER) FIBROUS, INTERLOCKING INTERGROWTH OF MAGNETITE (AFTER HEMATITE ?). FIELD OF VIEW 0.9mm WIDE.

REFLECTED LIGHT 20× NPL LENS.

FIGURE 9

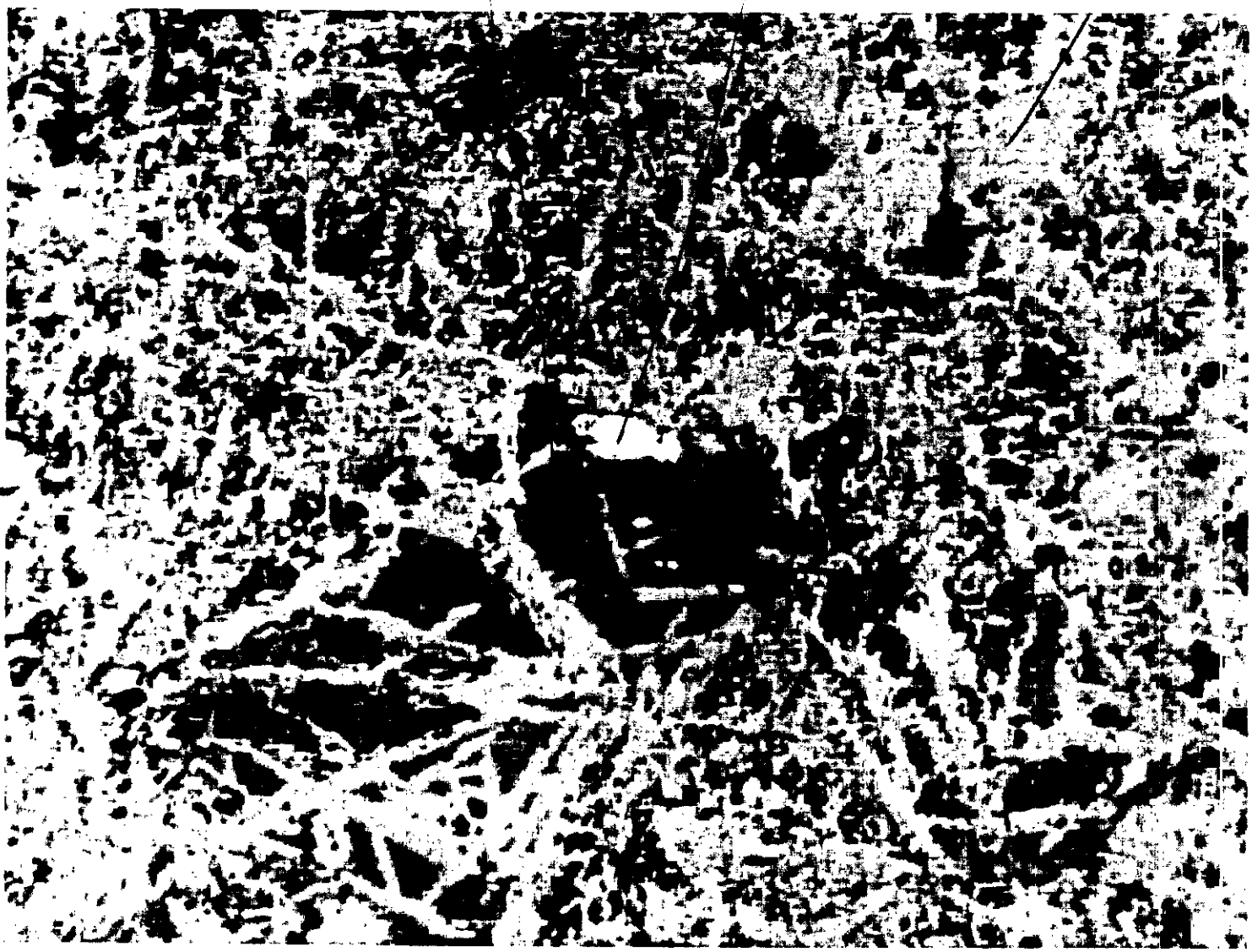


BOW MASSIVE MAGNETITE PIECE 2 (SKINNIER)

FIBROUS INTERLOCKING MAGNETITE WITH ALTERED (HEMATITE) GRAIN OF CHALCOPYRITE RIMMED & ALTERED BY HEMATITE. FIELD OF VIEW 0.9mm WIDE

REFLECTED LIGHT 20X NPL LENS.

FIGURE 10



BOW MASSIVE MAGNETITE : PLATE I (BIGGER) ; 0.05 mm DIAMETER CHALCOPYRITE GRAIN IN SMALL POCKET IN MASSIVE FIBROUS MAGNETITE. FIELD OF VIEW 0.9 mm WIDE

REFLECTED LIGHT.

APPENDIX IV

ANALYTICAL RESULTS

Eco-Tech LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700
Fax (604) 573-4557

CERTIFICATE OF ASSAY AK 96-1044

16-Sep-96

FLOAT SAMPLES TAKEN FROM BOW I PROPERTY CARIBOO MINING DISTRICT.

No. of samples received: 2
Sample type: ROCK
PROJECT #: PETER PROPERTY
SHIPMENT #: NONE GIVEN
Samples submitted by:

	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
1	5439	0.25	0.007	10.6	0.31	3.10	0.01	0.03
2	5440	0.10	0.003	7.7	0.23	1.27	0.01	0.02
QC/DATA:								
Repeat:								
1	5439	0.30	0.009	10.2	0.30	1.24	0.01	0.02
Standard:								
CPb-I		-	-	628.0	18.31	0.25	-	4.41
MPI-a						1.44	4.31	

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Certificate Date: 22-JUN-97
Invoice No. :I9728033
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9728033

	SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
STREAM SILT SAMPLES	BOW 97-SS-01	201	202	< 0.2	3.46	16	90	< 0.5	< 2	1.48	< 0.5	32	69	50	5.02	10	< 1	0.04	< 10	1.63	1765	< 1
	BOW 97-SS-02	201	202	< 0.2	3.15	10	80	< 0.5	2	1.57	< 0.5	25	75	34	5.20	10	< 1	0.03	< 10	1.78	1465	< 1
	BOW 97-SS-03	201	202	0.2	2.04	34	1030	< 0.5	< 2	0.59	0.5	72	44	16	6.90	< 10	< 1	0.04	< 10	0.44	>10000	1
	BOW 97-SS-04	201	202	< 0.2	3.15	4	80	< 0.5	< 2	1.66	< 0.5	17	53	30	3.72	10	< 1	0.01	< 10	1.15	565	< 1
	BOW 97-SS-05	201	202	< 0.2	2.87	< 2	50	< 0.5	< 2	1.72	< 0.5	19	54	40	3.77	< 10	< 1	0.02	< 10	1.09	1315	< 1
	BOW 97-SS-06	201	202	< 0.2	2.92	6	60	< 0.5	< 2	1.52	< 0.5	21	64	27	4.32	< 10	< 1	0.03	< 10	1.19	935	< 1
	BOW 97-SS-07	201	202	< 0.2	2.98	2	100	< 0.5	< 2	1.64	< 0.5	18	54	30	3.55	< 10	< 1	0.01	< 10	1.00	1350	< 1
	BOW 97-SS-08	201	202	< 0.2	2.07	18	180	< 0.5	< 2	0.99	< 0.5	25	58	17	4.87	< 10	< 1	0.03	< 10	0.64	6050	< 1
	BOW 97-SS-09	201	202	0.2	2.34	10	90	< 0.5	< 2	1.66	< 0.5	18	61	54	3.24	< 10	< 1	0.04	10	0.63	2830	< 1
	BOW 97-SS-10	201	202	< 0.2	2.58	8	80	< 0.5	< 2	1.01	< 0.5	16	82	81	3.77	< 10	< 1	0.04	10	0.79	720	< 1
	BOW 97-SS-11	201	202	< 0.2	3.44	6	60	< 0.5	< 2	1.97	< 0.5	26	63	37	5.07	10	< 1	0.04	< 10	1.59	1415	< 1
	BOW 97-SS-12	201	202	< 0.2	2.74	22	60	< 0.5	< 2	1.95	< 0.5	17	105	83	3.62	10	< 1	0.02	< 10	1.26	500	< 1
	BOW 97-SS-13	201	202	< 0.2	2.00	< 2	100	< 0.5	< 2	1.20	< 0.5	13	74	48	2.12	< 10	< 1	0.02	< 10	0.75	395	< 1
	BOW 97-SS-14	201	202	< 0.2	3.87	16	90	< 0.5	< 2	1.76	< 0.5	36	114	57	6.25	10	< 1	0.04	< 10	2.29	1485	< 1
	BOW 97-SS-15	201	202	< 0.2	3.12	4	110	< 0.5	< 2	1.37	< 0.5	18	64	36	3.39	10	< 1	0.03	< 10	1.02	2160	< 1
	BOW 97-SS-16	201	202	< 0.2	2.46	14	110	< 0.5	< 2	0.88	< 0.5	24	52	21	3.65	< 10	< 1	0.03	10	0.58	3720	< 1
	BOW 97-SS-17	201	202	< 0.2	2.78	18	120	< 0.5	< 2	0.99	< 0.5	21	54	35	4.12	< 10	< 1	0.10	10	1.03	1335	< 1
	BOW 97-SS-18	201	202	< 0.2	2.71	30	120	< 0.5	< 2	1.52	< 0.5	18	65	44	3.47	< 10	< 1	0.04	< 10	1.15	900	< 1
	BOW 97-SS-19	201	202	< 0.2	2.79	24	110	< 0.5	< 2	1.54	< 0.5	19	58	46	3.67	< 10	< 1	0.04	< 10	1.36	735	< 1
	BOW 97-SS-20	201	202	< 0.2	2.55	14	110	< 0.5	< 2	1.48	< 0.5	18	54	36	3.35	< 10	< 1	0.04	< 10	1.21	705	< 1
BOW ROAD SAMPLES	BOW 97-SS-21	201	202	< 0.2	3.34	74	170	< 0.5	< 2	1.53	< 0.5	24	77	63	4.44	10	< 1	0.05	< 10	1.41	1130	< 1
	BOW 97-SS-22	201	202	< 0.2	3.13	12	140	< 0.5	< 2	1.42	< 0.5	28	64	34	4.73	10	< 1	0.04	10	1.25	2450	< 1
	BOW 97-SS-23	201	202	< 0.2	2.47	2	80	< 0.5	< 2	1.25	< 0.5	13	48	59	2.69	< 10	< 1	0.02	< 10	1.09	380	< 1
	RD 00+00 SE	201	202	< 0.2	2.45	10	70	< 0.5	< 2	0.23	< 0.5	6	46	12	4.23	< 10	< 1	0.03	10	0.47	185	< 1
	RD 01+00 SE	201	202	< 0.2	2.21	8	80	< 0.5	< 2	0.26	< 0.5	15	53	26	3.86	< 10	< 1	0.04	30	0.88	530	< 1
	RD 02+00 SE	201	202	< 0.2	2.40	6	70	< 0.5	< 2	0.28	< 0.5	13	55	25	3.63	< 10	< 1	0.04	20	0.92	400	< 1
	RD 03+00 SE	201	202	0.2	3.18	6	120	< 0.5	< 2	0.60	< 0.5	12	63	18	5.88	< 10	< 1	0.04	< 10	0.52	540	< 1
	RD 04+00 SE	201	202	< 0.2	2.56	6	100	< 0.5	< 2	0.61	< 0.5	13	50	19	3.68	< 10	< 1	0.04	10	0.67	625	< 1
	RD 05+00 SE	201	202	< 0.2	2.25	2	100	< 0.5	< 2	0.89	< 0.5	12	44	22	2.68	< 10	< 1	0.03	< 10	0.72	465	< 1
	RD 06+00 SE	201	202	< 0.2	2.25	2	90	< 0.5	< 2	0.78	< 0.5	11	46	18	2.53	< 10	< 1	0.03	10	0.68	380	< 1
	RD 07+00 SE	201	202	< 0.2	3.43	6	110	< 0.5	< 2	0.60	< 0.5	11	60	19	3.34	< 10	< 1	0.01	< 10	0.45	320	< 1
	RD 08+00 SE	201	202	< 0.2	3.11	8	80	< 0.5	< 2	0.64	< 0.5	8	58	12	3.90	< 10	< 1	0.01	< 10	0.53	235	< 1
	RD 09+00 SE	201	202	< 0.2	1.98	2	70	< 0.5	2	0.45	< 0.5	5	38	10	3.07	< 10	< 1	0.01	10	0.30	205	< 1
	RD 10+00 SE	201	202	< 0.2	2.58	2	90	< 0.5	< 2	0.55	< 0.5	10	50	17	3.16	< 10	< 1	0.02	10	0.54	325	< 1
TOW AREA	L9N 07+00E	201	202	< 0.2	2.39	508	400	0.5	< 2	0.06	< 0.5	33	76	105	7.81	< 10	< 1	0.09	< 10	0.23	610	< 1
	L9N 07+50E	201	202	< 0.2	4.44	82	130	< 0.5	< 2	0.47	< 0.5	20	94	43	6.51	10	< 1	0.04	< 10	1.18	735	< 1
	L9N 08+00E	201	202	< 0.2	2.87	274	150	< 0.5	< 2	0.60	< 0.5	17	97	30	5.49	10	< 1	0.04	< 10	0.90	770	< 1
	L9N 08+50E	201	202	0.4	4.38	74	180	0.5	< 2	0.58	< 0.5	47	125	77	6.54	10	< 1	0.04	< 10	2.15	1595	< 1
	L9N 09+00E	201	202	< 0.2	3.12	32	90	< 0.5	< 2	0.47	< 0.5	11	77	26	5.07	10	< 1	0.02	< 10	0.73	445	< 1
	L9N 09+50E	201	202	< 0.2	3.82	24	70	< 0.5	< 2	0.77	< 0.5	14	76	24	4.65	10	< 1	0.03	< 10	0.89	495	< 1

SILTS AND SOILS

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Certificate Date: 22-JUN-97
Invoice No. : I9728033
P.O. Number :
Account : HUW

CERTIFICATE OF ANALYSIS A9728033

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BOW 97-SS-01	201	202	0.01	53	370	6	< 2	11	27	0.29	< 10	< 10	146	< 10	106
BOW 97-SS-02	201	202	< 0.01	48	550	2	< 2	9	15	0.36	< 10	< 10	149	< 10	82
BOW 97-SS-03	201	202	< 0.01	22	1200	2	< 2	6	21	0.06	< 10	< 10	92	< 10	180
BOW 97-SS-04	201	202	< 0.01	33	520	< 2	< 2	10	21	0.29	< 10	< 10	128	< 10	86
BOW 97-SS-05	201	202	0.01	33	530	< 2	< 2	10	29	0.27	< 10	< 10	122	< 10	118
BOW 97-SS-06	201	202	< 0.01	40	440	2	< 2	10	23	0.29	< 10	< 10	131	< 10	72
BOW 97-SS-07	201	202	0.01	31	650	2	< 2	12	27	0.23	< 10	< 10	113	< 10	112
BOW 97-SS-08	201	202	< 0.01	23	1080	2	< 2	8	22	0.14	< 10	< 10	110	< 10	176
BOW 97-SS-09	201	202	0.01	20	1090	2	< 2	18	33	0.12	< 10	< 10	131	< 10	78
BOW 97-SS-10	201	202	< 0.01	28	700	6	< 2	29	20	0.14	< 10	< 10	123	< 10	78
BOW 97-SS-11	201	202	0.01	40	430	4	< 2	10	25	0.41	< 10	< 10	174	< 10	82
BOW 97-SS-12	201	202	0.01	34	540	2	< 2	18	33	0.28	< 10	< 10	125	< 10	64
BOW 97-SS-13	201	202	< 0.01	30	560	2	< 2	14	24	0.18	< 10	< 10	75	< 10	64
BOW 97-SS-14	201	202	< 0.01	57	530	6	< 2	15	21	0.33	< 10	< 10	170	< 10	144
BOW 97-SS-15	201	202	< 0.01	35	680	8	< 2	12	29	0.21	< 10	< 10	102	< 10	90
BOW 97-SS-16	201	202	< 0.01	23	770	6	< 2	10	18	0.12	< 10	< 10	89	< 10	64
BOW 97-SS-17	201	202	< 0.01	38	540	8	< 2	8	28	0.16	< 10	< 10	83	< 10	84
BOW 97-SS-18	201	202	< 0.01	34	600	2	< 2	12	29	0.21	< 10	< 10	97	< 10	78
BOW 97-SS-19	201	202	< 0.01	40	400	< 2	< 2	10	21	0.30	< 10	< 10	110	< 10	60
BOW 97-SS-20	201	202	< 0.01	32	410	< 2	< 2	8	21	0.24	< 10	< 10	100	< 10	54
BOW 97-SS-21	201	202	< 0.01	42	410	2	< 2	12	29	0.28	< 10	< 10	130	< 10	66
BOW 97-SS-22	201	202	< 0.01	43	640	12	< 2	8	27	0.24	< 10	< 10	114	< 10	128
BOW 97-SS-23	201	202	< 0.01	35	470	< 2	< 2	10	18	0.24	< 10	< 10	89	< 10	54
RD 00+00 SE	201	202	< 0.01	20	470	4	< 2	2	9	0.07	< 10	< 10	49	< 10	64
RD 01+00 SE	201	202	< 0.01	36	320	12	< 2	5	12	0.08	< 10	< 10	50	< 10	76
RD 02+00 SE	201	202	< 0.01	37	300	10	< 2	4	10	0.10	< 10	< 10	51	< 10	68
RD 03+00 SE	201	202	< 0.01	21	2210	6	< 2	4	11	0.21	< 10	< 10	110	< 10	70
RD 04+00 SE	201	202	< 0.01	28	600	4	< 2	4	14	0.15	< 10	< 10	76	< 10	64
RD 05+00 SE	201	202	< 0.01	27	400	2	< 2	6	14	0.20	< 10	< 10	76	< 10	46
RD 06+00 SE	201	202	< 0.01	26	450	2	< 2	5	13	0.19	< 10	< 10	71	< 10	46
RD 07+00 SE	201	202	< 0.01	20	410	4	< 2	5	12	0.23	< 10	< 10	90	< 10	48
RD 08+00 SE	201	202	< 0.01	19	350	2	< 2	5	10	0.28	< 10	< 10	106	< 10	60
RD 09+00 SE	201	202	< 0.01	10	400	8	< 2	3	9	0.22	< 10	< 10	106	< 10	46
RD 10+00 SE	201	202	< 0.01	19	370	4	< 2	4	11	0.20	< 10	< 10	85	< 10	66
L9N 07+00E	201	202	< 0.01	132	490	6	< 2	15	4	< 0.01	< 10	< 10	66	< 10	122
L9N 07+50E	201	202	< 0.01	37	730	6	< 2	8	17	0.24	< 10	< 10	151	< 10	114
L9N 08+00E	201	202	< 0.01	39	840	< 2	< 2	7	9	0.16	< 10	< 10	139	< 10	66
L9N 08+50E	201	202	< 0.01	66	760	2	< 2	14	9	0.25	< 10	< 10	175	< 10	86
L9N 09+00E	201	202	< 0.01	26	450	2	< 2	5	10	0.20	< 10	< 10	124	< 10	66
L9N 09+50E	201	202	< 0.01	27	480	2	< 2	6	11	0.31	< 10	< 10	133	< 10	68

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page Number :2-A
Total Pages :4
Certificate Date: 22-JUN-97
Invoice No. :19728033
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9728033

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
L9N 10+00E	201	202	< 0.2	3.28	24	80	< 0.5	< 2	0.50	< 0.5	12	71	25	5.64	10	< 1	0.03	< 10	0.78	455	< 1
L10N 07+00E	201	202	0.2	3.55	116	120	< 0.5	< 2	0.51	< 0.5	25	96	64	5.39	< 10	< 1	0.04	< 10	1.20	1185	< 1
L10N 07+50E	201	202	< 0.2	2.85	30	60	< 0.5	< 2	0.26	< 0.5	17	59	19	4.33	< 10	< 1	0.04	10	0.70	650	< 1
L10N 08+00E	201	202	< 0.2	2.86	70	90	< 0.5	< 2	0.57	< 0.5	12	87	28	6.42	10	< 1	0.03	< 10	0.71	605	< 1
L10N 08+50E	201	202	< 0.2	3.78	84	90	< 0.5	< 2	0.70	< 0.5	23	97	45	4.90	10	< 1	0.01	< 10	1.56	720	< 1
L10N 09+00E	201	202	< 0.2	3.49	98	50	< 0.5	< 2	0.45	< 0.5	22	127	51	7.68	10	< 1	0.02	< 10	1.34	835	< 1
L10N 09+50E	201	202	< 0.2	3.35	292	80	< 0.5	< 2	0.69	< 0.5	21	87	36	4.85	10	< 1	0.02	< 10	1.31	630	< 1
L10N 10+00E	201	202	< 0.2	3.12	30	80	< 0.5	< 2	0.66	< 0.5	20	68	28	3.88	< 10	< 1	0.03	10	1.11	460	< 1
L10E 12+00N	201	202	0.2	3.62	10	130	< 0.5	< 2	0.94	< 0.5	20	70	23	6.97	10	< 1	0.01	< 10	1.01	860	< 1
L10E 12+50N	201	202	< 0.2	2.98	8	100	< 0.5	2	0.50	< 0.5	15	57	33	4.35	< 10	< 1	0.01	< 10	0.53	535	< 1
L10E 00+00N	201	202	< 0.2	2.63	6	80	< 0.5	< 2	0.80	< 0.5	11	56	18	3.97	< 10	< 1	0.02	< 10	0.69	300	< 1
L10E 01+00N	201	202	0.2	3.49	6	130	< 0.5	< 2	1.10	< 0.5	16	60	28	4.80	10	< 1	0.02	< 10	1.01	585	< 1
L10E 02+00N	201	202	< 0.2	3.19	4	210	< 0.5	< 2	1.18	< 0.5	29	82	26	7.03	10	< 1	0.02	< 10	1.02	2100	< 1
L10E 03+00N	201	202	< 0.2	3.38	6	170	< 0.5	< 2	1.40	< 0.5	19	68	33	5.68	10	< 1	0.02	< 10	1.07	915	< 1
L10E 04+00N	201	202	< 0.2	3.62	6	150	< 0.5	< 2	1.80	< 0.5	27	68	32	5.38	10	< 1	0.03	< 10	1.56	1685	< 1
L10E 05+00N	201	202	< 0.2	2.81	8	170	< 0.5	< 2	0.95	< 0.5	15	58	18	5.56	10	< 1	0.03	< 10	0.82	920	< 1
L10E 06+00N	201	202	0.2	2.34	6	100	< 0.5	< 2	0.48	< 0.5	9	61	12	5.86	10	< 1	0.02	< 10	0.54	360	< 1
L10E 07+00N	201	202	0.2	2.48	10	100	< 0.5	< 2	0.81	< 0.5	11	53	18	4.03	< 10	< 1	0.01	< 10	0.75	340	< 1
L10E 07+40N	201	202	< 0.2	2.43	6	90	< 0.5	< 2	0.36	< 0.5	6	54	10	5.09	< 10	< 1	0.01	< 10	0.37	155	< 1
L10E 08+50N	201	202	0.2	2.73	6	70	< 0.5	< 2	0.35	< 0.5	8	55	13	3.95	< 10	< 1	0.02	10	0.48	160	< 1
L10E 09+00N	201	202	< 0.2	2.57	6	70	< 0.5	< 2	0.18	< 0.5	7	50	8	3.75	< 10	< 1	0.03	10	0.46	160	< 1
L10E 10+00N	201	202	0.2	3.27	20	140	< 0.5	< 2	0.40	< 0.5	15	81	92	6.56	10	< 1	0.01	< 10	0.62	485	7
L10E 10+50N	201	202	0.2	3.36	10	110	< 0.5	< 2	0.52	< 0.5	10	72	21	5.09	< 10	< 1	0.02	< 10	0.59	335	< 1
L10E 11+00N	201	202	0.2	4.25	12	190	< 0.5	< 2	0.96	< 0.5	20	64	40	5.63	10	< 1	0.03	< 10	1.10	690	< 1
L10E 11+50N	201	202	0.6	3.69	16	130	< 0.5	< 2	0.84	0.5	19	59	28	7.23	10	< 1	0.01	< 10	0.82	680	< 1
L10E 01+00S	201	202	< 0.2	3.94	6	60	< 0.5	< 2	1.21	< 0.5	15	63	25	5.07	10	< 1	0.01	< 10	0.85	425	< 1
L10E 02+00S	201	202	< 0.2	3.81	4	40	< 0.5	2	1.20	< 0.5	19	62	34	4.08	10	< 1	0.01	< 10	0.86	525	< 1
L10E 03+00S	201	202	< 0.2	3.81	4	50	< 0.5	< 2	0.75	< 0.5	12	86	35	6.49	10	< 1	0.02	< 10	0.57	505	< 1
L10E 04+00S	201	202	0.2	4.07	2	60	< 0.5	6	1.52	< 0.5	22	81	33	6.23	10	< 1	0.03	< 10	1.22	1020	< 1
L10E 05+00S	201	202	< 0.2	3.99	2	50	< 0.5	< 2	1.24	< 0.5	19	71	38	4.84	10	< 1	0.02	< 10	1.02	830	< 1
L11N 07+00E	201	202	< 0.2	4.13	128	80	< 0.5	< 2	0.75	< 0.5	23	81	57	5.15	10	< 1	0.02	< 10	1.35	820	< 1
L11N 07+50E	201	202	< 0.2	3.18	130	90	< 0.5	< 2	0.41	< 0.5	20	81	36	5.78	< 10	< 1	0.01	< 10	0.87	700	< 1
L11N 08+00E	201	202	< 0.2	3.78	106	80	< 0.5	< 2	0.53	< 0.5	15	105	31	5.73	10	< 1	0.01	< 10	1.07	595	< 1
L11N 08+50E	201	202	< 0.2	3.98	110	130	< 0.5	2	0.87	< 0.5	26	96	59	4.72	10	< 1	0.01	< 10	1.57	800	< 1
L11N 09+00E	201	202	< 0.2	3.66	226	100	< 0.5	< 2	0.36	< 0.5	41	124	111	7.76	10	< 1	0.04	< 10	1.83	1835	< 1
L11N 09+50E	201	202	0.2	3.88	56	140	< 0.5	< 2	0.90	< 0.5	24	85	55	5.09	10	< 1	0.06	< 10	1.32	1105	< 1
L11N 10+00E	201	202	< 0.2	3.54	40	90	< 0.5	< 2	1.08	< 0.5	26	70	41	4.01	10	< 1	0.02	< 10	1.50	630	< 1
L11E 03+00N	201	202	< 0.2	2.45	8	60	< 0.5	< 2	0.51	< 0.5	9	51	12	4.50	< 10	< 1	0.02	< 10	0.62	270	< 1
L11E 04+00N	201	202	0.2	2.82	8	230	< 0.5	< 2	0.99	< 0.5	16	69	28	6.38	10	< 1	0.03	< 10	0.73	1160	< 1
L11E 05+00N	201	202	< 0.2	2.36	6	120	< 0.5	< 2	0.55	< 0.5	11	56	15	5.09	< 10	< 1	0.01	< 10	0.59	470	< 1

TOW AREA

BOW GRID

SOILS

CERTIFICATION:

38.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Certificate Date: 22-JUN-97
Invoice No. : I9728033
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9728033

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L9N 10+00E	201	202	< 0.01	24	550	6	< 2	5	12	0.26	< 10	< 10	127	< 10	68
L10N 07+00E	201	202	< 0.01	46	770	6	< 2	8	7	0.15	< 10	< 10	114	< 10	72
L10N 07+50E	201	202	< 0.01	24	580	8	< 2	4	9	0.13	< 10	< 10	75	< 10	100
L10N 08+00E	201	202	< 0.01	22	1430	4	< 2	5	10	0.21	< 10	< 10	161	< 10	60
L10N 08+50E	201	202	< 0.01	46	380	4	< 2	8	8	0.25	< 10	< 10	133	< 10	70
L10N 09+00E	201	202	< 0.01	41	660	4	< 2	8	5	0.26	< 10	< 10	162	< 10	76
L10N 09+50E	201	202	< 0.01	42	370	2	< 2	8	7	0.24	< 10	< 10	118	< 10	68
L10N 10+00E	201	202	< 0.01	37	310	4	< 2	6	19	0.24	< 10	< 10	98	< 10	66
L10E 12+00N	201	202	< 0.01	28	1710	2	< 2	6	13	0.39	< 10	< 10	189	< 10	126
L10E 12+50N	201	202	< 0.01	22	650	8	< 2	6	9	0.22	< 10	< 10	112	< 10	84
L10E 00+00N	201	202	< 0.01	25	410	2	< 2	5	15	0.24	< 10	< 10	97	< 10	92
L10E 01+00N	201	202	< 0.01	32	750	6	< 2	6	22	0.27	< 10	< 10	119	< 10	84
L10E 02+00N	201	202	< 0.01	29	730	< 2	< 2	7	18	0.52	< 10	< 10	242	< 10	98
L10E 03+00N	201	202	0.01	31	850	4	< 2	7	30	0.33	< 10	< 10	162	< 10	98
L10E 04+00N	201	202	0.01	41	610	4	< 2	8	25	0.38	< 10	< 10	164	< 10	92
L10E 05+00N	201	202	< 0.01	26	1880	< 2	< 2	5	17	0.25	< 10	< 10	139	< 10	106
L10E 06+00N	201	202	< 0.01	17	490	6	< 2	3	13	0.32	< 10	< 10	140	< 10	82
L10E 07+00N	201	202	< 0.01	26	480	2	< 2	4	14	0.23	< 10	< 10	102	< 10	56
L10E 07+40N	201	202	< 0.01	13	290	6	< 2	3	8	0.20	< 10	< 10	111	< 10	52
L10E 08+50N	201	202	< 0.01	19	280	8	< 2	3	8	0.20	< 10	< 10	99	< 10	46
L10E 09+00N	201	202	< 0.01	18	440	8	< 2	2	6	0.08	< 10	< 10	53	< 10	58
L10E 10+00N	201	202	< 0.01	25	930	8	< 2	5	7	0.27	< 10	< 10	145	< 10	80
L10E 10+50N	201	202	< 0.01	22	990	2	< 2	6	12	0.24	< 10	< 10	102	< 10	70
L10E 11+00N	201	202	< 0.01	37	840	4	< 2	7	14	0.32	< 10	< 10	145	< 10	100
L10E 11+50N	201	202	< 0.01	23	830	2	< 2	6	15	0.46	< 10	< 10	197	< 10	116
L10E 01+00S	201	202	< 0.01	30	730	< 2	< 2	6	23	0.30	< 10	< 10	131	< 10	76
L10E 02+00S	201	202	< 0.01	28	470	< 2	< 2	9	19	0.30	< 10	< 10	129	< 10	52
L10E 03+00S	201	202	< 0.01	20	650	< 2	< 2	8	17	0.29	< 10	< 10	149	< 10	68
L10E 04+00S	201	202	< 0.01	38	580	2	< 2	7	31	0.44	< 10	< 10	185	< 10	76
L10E 05+00S	201	202	0.01	35	680	2	< 2	9	29	0.31	< 10	< 10	133	< 10	68
L11N 07+00E	201	202	< 0.01	43	450	< 2	< 2	9	13	0.23	< 10	< 10	128	< 10	60
L11N 07+50E	201	202	< 0.01	33	390	4	< 2	7	10	0.17	< 10	< 10	123	< 10	92
L11N 08+00E	201	202	< 0.01	31	670	2	< 2	6	9	0.25	< 10	< 10	138	< 10	76
L11N 08+50E	201	202	< 0.01	49	300	2	< 2	10	9	0.28	< 10	< 10	135	< 10	56
L11N 09+00E	201	202	< 0.01	76	560	6	< 2	17	5	0.09	< 10	< 10	151	< 10	86
L11N 09+50E	201	202	< 0.01	40	600	4	< 2	8	15	0.26	< 10	< 10	135	< 10	90
L11N 10+00E	201	202	< 0.01	48	380	< 2	< 2	8	12	0.29	< 10	< 10	127	< 10	52
L11E 03+00N	201	202	< 0.01	20	680	< 2	< 2	3	13	0.20	< 10	< 10	102	< 10	84
L11E 04+00N	201	202	< 0.01	25	630	6	< 2	5	23	0.40	< 10	< 10	210	< 10	118
L11E 05+00N	201	202	< 0.01	19	410	2	< 2	5	13	0.24	< 10	< 10	129	< 10	84

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page Number :3-A
Total Pages :4
Certificate Date: 22-JUN-97
Invoice No. :I9728033
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Account :HUW

CERTIFICATE OF ANALYSIS A9728033

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
L11E 06+00N	201	202	< 0.2	2.08	< 2	60	< 0.5	< 2	0.55	< 0.5	7	48	13	4.07	10	< 1	0.01	< 10	0.45	180	< 1
L11E 06+75N	201	202	< 0.2	1.96	2	130	< 0.5	< 2	0.52	< 0.5	9	50	14	4.68	< 10	< 1	0.03	< 10	0.54	420	< 1
L11E 08+00N	201	202	0.2	2.90	6	80	< 0.5	< 2	0.65	< 0.5	8	59	14	5.58	10	3	0.02	< 10	0.49	235	< 1
L11E 09+00N	201	202	< 0.2	2.95	2	100	< 0.5	< 2	0.69	< 0.5	11	62	15	3.69	< 10	< 1	0.01	< 10	0.66	245	< 1
L11E 10+00N	201	202	0.2	2.31	< 2	110	< 0.5	< 2	0.55	< 0.5	11	56	10	4.82	< 10	1	0.02	< 10	0.47	660	< 1
L12E 03+00N	201	202	< 0.2	2.14	< 2	110	< 0.5	< 2	0.71	< 0.5	8	54	11	4.20	< 10	< 1	0.01	< 10	0.46	215	< 1
L12E 04+00N	201	202	< 0.2	2.55	2	90	< 0.5	< 2	0.71	< 0.5	11	77	12	5.65	10	1	0.03	< 10	0.64	500	< 1
L12E 05+00N	201	202	< 0.2	3.38	< 2	60	< 0.5	< 2	0.63	< 0.5	13	64	25	5.06	10	< 1	0.04	10	0.63	250	< 1
L12E 06+00N	201	202	< 0.2	2.12	< 2	110	< 0.5	< 2	0.75	< 0.5	10	52	13	4.19	< 10	< 1	0.01	< 10	0.60	310	< 1
L12E 07+00N	201	202	< 0.2	3.37	6	140	< 0.5	< 2	0.86	< 0.5	12	69	14	5.84	< 10	< 1	0.01	< 10	0.58	410	< 1
L12E 08+00N	201	202	0.2	3.56	< 2	120	< 0.5	< 2	0.77	< 0.5	9	64	16	4.94	< 10	1	0.03	< 10	0.50	380	< 1
L12E 09+00N	201	202	< 0.2	2.14	2	90	< 0.5	< 2	0.54	< 0.5	6	58	6	5.04	10	1	0.01	< 10	0.32	225	< 1
L12E 10+00N	201	202	< 0.2	5.22	6	90	0.5	< 2	0.87	< 0.5	28	73	64	7.08	10	< 1	0.02	< 10	1.37	645	< 1
L13E 03+75N	201	202	< 0.2	4.10	4	80	< 0.5	< 2	0.51	< 0.5	10	63	14	4.51	< 10	< 1	0.03	< 10	0.51	270	< 1
L13E 04+85N	201	202	0.2	2.36	< 2	100	< 0.5	< 2	0.41	< 0.5	7	61	9	6.53	10	1	0.02	< 10	0.44	215	< 1
L13E 06+00N	201	202	0.2	3.32	< 2	100	< 0.5	< 2	0.42	< 0.5	6	64	8	5.02	< 10	< 1	0.02	< 10	0.39	175	1
L13E 07+00N	201	202	< 0.2	2.62	2	120	< 0.5	< 2	0.75	< 0.5	11	47	13	3.66	< 10	< 1	0.02	< 10	0.53	845	< 1
L13E 08+25N	201	202	< 0.2	2.78	2	130	< 0.5	< 2	0.47	< 0.5	8	55	16	4.49	< 10	< 1	0.01	10	0.44	160	1
L13E 09+00N	201	202	< 0.2	3.55	2	110	< 0.5	< 2	0.35	< 0.5	15	58	19	3.96	< 10	< 1	0.03	10	0.64	300	< 1
L13E 10+00N	201	202	< 0.2	4.31	< 2	90	< 0.5	< 2	0.58	< 0.5	14	70	18	5.27	< 10	< 1	0.03	< 10	0.66	485	< 1
L14E 03+50N	201	202	< 0.2	2.78	2	70	< 0.5	< 2	0.65	< 0.5	9	53	10	3.33	< 10	1	0.02	< 10	0.49	285	< 1
L14E 04+00N	201	202	0.2	2.95	< 2	80	< 0.5	< 2	0.96	< 0.5	11	44	18	2.75	< 10	< 1	0.01	< 10	0.64	270	< 1
L14E 05+00N	201	202	< 0.2	3.48	2	60	< 0.5	< 2	0.38	< 0.5	7	80	11	7.81	10	1	0.02	< 10	0.45	185	< 1
L14E 06+00N	201	202	< 0.2	2.32	< 2	80	< 0.5	< 2	0.58	< 0.5	8	43	14	2.56	< 10	< 1	0.02	< 10	0.49	200	< 1
L14E 07+00N	201	202	< 0.2	2.60	< 2	100	< 0.5	< 2	0.60	< 0.5	7	53	8	3.82	< 10	1	0.01	< 10	0.44	305	< 1
L14E 08+50N	201	202	< 0.2	2.33	< 2	60	< 0.5	< 2	0.13	< 0.5	8	44	9	3.87	< 10	< 1	0.04	20	0.50	170	1
L14E 09+25N	201	202	0.2	3.63	8	130	< 0.5	< 2	0.58	0.5	17	68	21	4.25	< 10	1	0.04	10	0.80	1175	< 1
L14E 10+00N	201	202	< 0.2	2.20	6	70	< 0.5	< 2	0.22	< 0.5	15	46	24	3.74	< 10	< 1	0.05	30	0.76	415	< 1
L15E 00+00N	201	202	0.2	4.75	< 2	50	< 0.5	< 2	1.27	< 0.5	17	64	26	5.01	10	1	0.01	< 10	1.00	385	< 1
L15E 01+00N	201	202	< 0.2	3.46	< 2	70	< 0.5	< 2	0.89	< 0.5	10	63	14	3.95	< 10	< 1	0.01	< 10	0.47	515	< 1
L15E 02+00N	201	202	< 0.2	3.88	< 2	80	< 0.5	< 2	1.13	< 0.5	14	54	16	3.29	< 10	< 1	0.02	< 10	0.77	295	< 1
L15E 03+00N	201	202	< 0.2	2.84	< 2	60	< 0.5	< 2	0.76	< 0.5	8	58	10	3.68	< 10	1	0.01	< 10	0.54	225	< 1
L15E 04+00N A	201	202	< 0.2	1.71	6	210	< 0.5	< 2	0.60	< 0.5	7	42	9	3.75	< 10	< 1	0.03	10	0.38	745	< 1
L15E 04+00N B	201	202	< 0.2	2.93	< 2	100	< 0.5	< 2	0.65	< 0.5	12	61	17	3.52	< 10	< 1	0.02	< 10	0.49	375	< 1
L15E 05+15N	201	202	0.2	2.12	< 2	80	< 0.5	< 2	0.32	< 0.5	4	45	6	4.51	10	1	0.01	< 10	0.27	125	< 1
L15E 05+75N	201	202	0.2	2.38	< 2	110	< 0.5	< 2	0.55	< 0.5	8	56	12	4.24	< 10	1	0.01	< 10	0.45	365	< 1
L15E 06+50N	201	202	< 0.2	2.90	< 2	70	< 0.5	< 2	0.19	< 0.5	11	50	11	3.86	< 10	< 1	0.04	10	0.61	195	< 1
L15E 08+00N	201	202	0.2	2.26	2	170	< 0.5	< 2	0.38	< 0.5	8	46	6	4.07	< 10	< 1	0.04	10	0.45	195	< 1
L15E 09+00N	201	202	< 0.2	2.89	< 2	150	< 0.5	< 2	0.40	< 0.5	13	56	12	3.89	< 10	< 1	0.05	20	0.63	335	< 1
L15E 10+00N	201	202	0.2	2.42	< 2	100	< 0.5	< 2	0.30	< 0.5	17	48	26	3.71	< 10	< 1	0.06	30	0.78	455	< 1

BOW GRID

SOILS

CERTIFICATION:

04

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page Number :3-B
Total Pages :4
Certificate Date: 22-JUN-97
Invoice No. : I9728033
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9728033

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L11E 06+00N	201	202	< 0.01	17	310	6	< 2	4	9	0.37	< 10	< 10	158	< 10	42
L11E 06+75N	201	202	< 0.01	22	400	8	< 2	4	15	0.20	< 10	< 10	104	< 10	74
L11E 08+00N	201	202	< 0.01	19	480	4	< 2	6	14	0.35	< 10	< 10	155	< 10	56
L11E 09+00N	201	202	< 0.01	30	550	2	2	5	13	0.26	< 10	< 10	112	< 10	48
L11E 10+00N	201	202	< 0.01	19	1080	2	< 2	4	10	0.26	< 10	< 10	127	< 10	78
L12E 03+00N	201	202	< 0.01	18	220	2	< 2	5	12	0.31	< 10	< 10	132	< 10	42
L12E 04+00N	201	202	< 0.01	21	730	2	< 2	6	14	0.39	< 10	< 10	182	< 10	84
L12E 05+00N	201	202	< 0.01	28	360	2	2	9	12	0.26	< 10	< 10	145	< 10	60
L12E 06+00N	201	202	< 0.01	21	400	2	< 2	4	15	0.29	< 10	< 10	117	< 10	58
L12E 07+00N	201	202	< 0.01	22	1060	< 2	< 2	7	13	0.29	< 10	< 10	159	< 10	82
L12E 08+00N	201	202	< 0.01	23	1520	2	< 2	5	16	0.21	< 10	< 10	106	< 10	72
L12E 09+00N	201	202	< 0.01	12	770	8	< 2	4	11	0.34	< 10	< 10	186	< 10	40
L12E 10+00N	201	202	< 0.01	50	770	< 2	4	10	21	0.43	< 10	< 10	210	< 10	128
L13E 03+75N	201	202	< 0.01	24	600	4	2	7	10	0.24	< 10	< 10	109	< 10	60
L13E 04+85N	201	202	< 0.01	16	290	4	2	4	9	0.37	< 10	< 10	192	< 10	78
L13E 06+00N	201	202	< 0.01	16	730	6	< 2	5	11	0.27	< 10	< 10	120	< 10	70
L13E 07+00N	201	202	< 0.01	20	770	4	< 2	4	11	0.22	< 10	< 10	104	< 10	62
L13E 08+25N	201	202	< 0.01	19	290	6	2	5	11	0.18	< 10	< 10	118	< 10	54
L13E 09+00N	201	202	< 0.01	38	530	8	< 2	4	9	0.13	< 10	< 10	66	< 10	84
L13E 10+00N	201	202	< 0.01	27	770	2	< 2	6	15	0.22	< 10	< 10	113	< 10	96
L14E 03+50N	201	202	< 0.01	19	420	2	< 2	5	7	0.26	< 10	< 10	97	< 10	46
L14E 04+00N	201	202	< 0.01	29	450	< 2	< 2	6	11	0.27	< 10	< 10	85	< 10	38
L14E 05+00N	201	202	< 0.01	17	460	2	< 2	5	5	0.35	< 10	< 10	176	< 10	42
L14E 06+00N	201	202	< 0.01	22	530	4	< 2	4	9	0.22	< 10	< 10	83	< 10	44
L14E 07+00N	201	202	< 0.01	17	740	6	< 2	4	8	0.26	< 10	< 10	99	< 10	68
L14E 08+50N	201	202	< 0.01	20	340	12	< 2	2	5	0.05	< 10	< 10	50	< 10	52
L14E 09+25N	201	202	< 0.01	31	810	4	< 2	9	11	0.21	< 10	< 10	113	< 10	86
L14E 10+00N	201	202	< 0.01	39	480	12	< 2	3	11	0.08	< 10	< 10	47	< 10	98
L15E 00+00N	201	202	< 0.01	36	450	< 2	< 2	9	19	0.37	< 10	< 10	148	< 10	58
L15E 01+00N	201	202	< 0.01	19	410	2	< 2	6	14	0.35	< 10	< 10	146	< 10	70
L15E 02+00N	201	202	< 0.01	32	380	< 2	< 2	7	12	0.30	< 10	< 10	103	< 10	42
L15E 03+00N	201	202	< 0.01	21	280	< 2	4	5	10	0.33	< 10	< 10	129	< 10	38
L15E 04+00N A	201	202	< 0.01	13	320	4	< 2	3	15	0.25	< 10	< 10	120	< 10	60
L15E 04+00N B	201	202	< 0.01	22	340	< 2	2	6	9	0.24	< 10	< 10	104	< 10	46
L15E 05+15N	201	202	< 0.01	10	270	6	4	3	7	0.29	< 10	< 10	148	< 10	32
L15E 05+75N	201	202	< 0.01	19	400	2	< 2	4	7	0.24	< 10	< 10	108	< 10	54
L15E 06+50N	201	202	< 0.01	26	310	6	< 2	3	6	0.09	< 10	< 10	58	< 10	74
L15E 08+00N	201	202	< 0.01	18	330	6	< 2	3	9	0.18	< 10	< 10	87	< 10	106
L15E 09+00N	201	202	< 0.01	31	430	6	< 2	4	9	0.15	< 10	< 10	76	< 10	104
L15E 10+00N	201	202	< 0.01	38	580	10	< 2	4	12	0.11	< 10	< 10	58	< 10	86

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page Number :4-A
Total Pages :4
Certificate Date: 22-JUN-97
Invoice No. :19728033
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9728033

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
L15E 01+00S	201	202	< 0.2	3.39	2	90	< 0.5	< 2	0.75	< 0.5	14	63	13	3.86	< 10	< 1	0.04	10	0.70	335	< 1
L15E 02+00S	201	202	< 0.2	3.71	< 2	70	< 0.5	< 2	0.95	< 0.5	15	91	24	5.64	10	1	0.02	10	0.82	390	< 1
L15E 03+00S	201	202	0.2	3.37	< 2	130	< 0.5	< 2	0.88	< 0.5	11	74	19	6.04	< 10	< 1	0.03	< 10	0.72	285	< 1
L15E 04+00S	201	202	0.2	3.43	< 2	80	< 0.5	< 2	0.93	< 0.5	14	66	21	5.25	< 10	< 1	0.03	< 10	0.77	470	< 1
L15E 05+00S	201	202	0.2	3.02	< 2	40	< 0.5	< 2	0.69	< 0.5	10	73	26	7.24	10	1	0.01	< 10	0.72	370	< 1
L16E 06+00N	201	202	0.2	2.38	< 2	100	< 0.5	< 2	0.49	< 0.5	7	61	8	4.68	< 10	1	0.02	< 10	0.42	180	< 1
L16E 07+00N	201	202	< 0.2	2.43	< 2	100	< 0.5	< 2	0.45	< 0.5	6	52	6	3.57	< 10	< 1	0.01	< 10	0.35	160	< 1
L16E 08+00N	201	202	0.2	2.86	14	290	< 0.5	< 2	0.47	< 0.5	10	63	22	4.41	< 10	< 1	0.04	10	0.52	260	< 1
L16E 09+50N	201	202	0.4	2.32	< 2	70	< 0.5	< 2	0.28	< 0.5	13	46	11	3.26	< 10	< 1	0.04	20	0.52	325	< 1
L16E 10+00N	201	202	< 0.2	2.11	< 2	80	< 0.5	< 2	0.33	< 0.5	9	51	9	3.57	< 10	< 1	0.03	10	0.52	280	1
GOSSAN NARROW LR	201	202	< 0.2	3.20	< 2	10	< 0.5	< 2	0.87	< 0.5	6	200	57	12.70	10	< 1	< 0.01	< 10	1.83	245	< 1

BOW AREA

SOILS

CERTIFICATION: _____

42

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page Number :4-B
Total Pages :4
Certificate Date: 22-JUN-97
Invoice No. :I9728033
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9728033

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L15E 01+00S	201	202	< 0.01	32	360	< 2	< 2	7	11	0.30	< 10	< 10	114	< 10	54
L15E 02+00S	201	202	< 0.01	30	260	< 2	< 2	13	13	0.46	< 10	< 10	190	< 10	58
L15E 03+00S	201	202	< 0.01	26	680	< 2	< 2	7	22	0.32	< 10	< 10	130	< 10	64
L15E 04+00S	201	202	< 0.01	31	620	2	< 2	7	21	0.30	< 10	< 10	148	< 10	90
L15E 05+00S	201	202	< 0.01	21	650	< 2	< 2	7	11	0.44	< 10	< 10	200	< 10	82
L16E 06+00N	201	202	< 0.01	16	510	4	< 2	4	8	0.30	< 10	< 10	136	< 10	48
L16E 07+00N	201	202	< 0.01	14	370	4	< 2	4	9	0.26	< 10	< 10	107	< 10	44
L16E 08+00N	201	202	< 0.01	27	300	6	< 2	5	9	0.18	< 10	< 10	92	< 10	86
L16E 09+50N	201	202	< 0.01	30	1000	6	< 2	2	12	0.09	< 10	< 10	43	< 10	84
L16E 10+00N	201	202	< 0.01	23	530	6	< 2	3	8	0.13	< 10	< 10	61	< 10	60
GOSSAN NARROW LR	201	202	< 0.01	17	760	< 2	< 2	16	8	0.22	< 10	< 10	329	< 10	22

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page : 1-A
Total Pages : 1
Certificate Date: 24-JUN-97
Invoice No. : I9728014
P.O. Number :
Account : HUW

CERTIFICATE OF ANALYSIS A9728014

SAMPLE	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
BOW 97-RK-09	208	226	0.125	4	0.04	110	< 20	< 5	10	0.03	< 5	30	70	5440	>30.0	< 10	< 0.01	0.01	< 10	90	0.04
BOW 97-RK-10	208	226	4.72	66	1.82	330	< 20	< 5	20	0.07	15	85	30	>50000	26.9	< 10	< 0.01	1.27	330	< 5	0.03
BOW 97-RK-11	208	226	4.80	32	0.45	100	< 20	< 5	80	0.03	10	50	100	19340	27.8	10	< 0.01	0.31	90	5	0.04
BOW 97-RK-12	208	226	0.100	2	1.00	10	40	< 5	10	0.71	< 5	30	90	1795	25.1	< 10	0.07	0.40	190	10	0.04

BOWFLOAT

TOW FLOAT

ROCKS

CERTIFICATION:

44.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

: PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page : 1-B
Total Pages : 1
Certificate Date: 24-JUN-97
Invoice No. : 19728014
P.O. Number :
Account : HUW

CERTIFICATE OF ANALYSIS A9728014

SAMPLE	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BOW 97-RK-09	208	226	5	< 100	185	30	< 5	< 5	< 0.01	20	< 20	< 20	< 20	95
BOW 97-RK-10	208	226	40	600	65	10	< 5	< 5	0.07	20	< 20	40	< 20	8520
BOW 97-RK-11	208	226	15	< 100	105	30	< 5	< 5	< 0.01	20	< 20	< 20	< 20	5520
BOW 97-RK-12	208	226	25	< 100	30	10	< 5	< 5	0.14	< 20	< 20	40	< 20	75

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page Number :1
Total Pages :1
Certificate Date: 23-JUN-97
Invoice No. :19728693
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9728693

SAMPLE	PREP CODE	Cu %
BOW 97-RK-10	244 --	6.96

↑
TOW FLOAT
COPPER
ASSAY

Rock

CERTIFICATION: _____

46.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW 97
Comments: ATTN: MARTIN PETER

Page Number : 1
Total Pages : 1
Certificate Date: 13-JUL-97
Invoice No. : 19731496
P.O. Number :
Account : HUW

CERTIFICATE OF ANALYSIS A9731496

SAMPLE	PREP CODE	Au ppb FA+AA
L9N 7+00E	244 --	55
L9N 7+50E	244 --	< 5
L9N 8+00E	244 --	60
L9N 8+50E	244 --	20
L9N 9+00E	244 --	< 5
L9N 9+50E	244 --	< 5
L9N 10+00E	244 --	< 5
L10N 7+00E	244 --	5
L10N 8+00E	244 --	< 5
L10N 9+00E	244 --	10
L10N 9+50E	244 --	25
L11N 7+00E	244 --	15
L11N 8+00E	244 --	< 5
L11N 9+00E	244 --	25
L11N 10+00E	244 --	10

SELECTED SOILS RUN FOR TOW GOLD

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW + TOW
Comments: ATTN: PETER MARTIN

Page Number :1-A
Total Pages :1
Certificate Date: 02-SEP-97
Invoice No. :19739259
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9739259

SAMPLE	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
TOW 97 TRA01	205	226	0.035	0.6	1.24	308	80	< 0.5	< 2	7.23	3.0	32	268	93	4.25	< 10	1	0.19	< 10	0.98	1345
TOW 97 TRA02	205	226	0.030	0.4	0.86	230	90	< 0.5	< 2	0.05	4.0	18	83	109	2.57	< 10	< 1	0.22	< 10	0.07	840
TOW 97 TRA03	205	226	0.230	2.6	0.84	1985	170	< 0.5	< 2	13.10	0.5	25	129	46	4.48	< 10	< 1	0.21	< 10	1.46	1140
TOW 97 TRA04	205	226	0.025	0.8	0.67	358	170	< 0.5	< 2	10.45	1.0	22	109	68	3.94	< 10	< 1	0.20	< 10	0.69	1145
TOW 97 TRA05	205	226	0.030	0.6	1.98	334	170	< 0.5	< 2	3.38	1.0	44	55	93	8.12	10	< 1	0.18	< 10	0.98	1500
TOW 97 TRA06	205	226	0.015	< 0.2	3.44	146	240	< 0.5	< 2	0.46	0.5	62	86	80	11.10	10	< 1	0.14	< 10	1.59	2450
TOW 97 TRC ROCK	205	226	0.010	< 0.2	0.68	30	180	< 0.5	< 2	4.55	1.5	30	144	51	4.82	< 10	< 1	0.09	< 10	1.67	1050
TOW97ESSOTRENCH	205	226	4.00	1.2	1.19	>10000	140	< 0.5	6	0.50	< 0.5	38	57	62	6.37	< 10	< 1	0.20	< 10	0.16	820

TOW TRENCH "A"

ESSO TRENCH REPEAT SAMPLE

- ROCKS

CERTIFICATION:

84

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project : BOW + TOW
Comments: ATTN: PETER MARTIN

Page Number :1-B
Total Pages :1
Certificate Date: 02-SEP-97
Invoice No. :I9739259
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9739259

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
TOW 97 TRA01	205	226	< 1	0.01	155	200	14	4	22	84	< 0.01	< 10	< 10	72	< 10	226
TOW 97 TRA02	205	226	< 1	< 0.01	65	190	20	2	10	11	< 0.01	< 10	< 10	28	< 10	354
TOW 97 TRA03	205	226	< 1	0.01	91	380	6	6	12	262	< 0.01	< 10	< 10	44	< 10	84
TOW 97 TRA04	205	226	1	0.01	49	630	6	6	13	176	< 0.01	< 10	< 10	30	< 10	62
TOW 97 TRA05	205	226	< 1	0.02	63	740	< 2	4	23	103	< 0.01	< 10	< 10	95	< 10	150
TOW 97 TRA06	205	226	< 1	0.02	86	910	6	10	31	15	< 0.01	< 10	< 10	227	< 10	164
TOW 97 TRC ROCK	205	226	< 1	< 0.01	56	130	6	< 2	17	48	< 0.01	< 10	< 10	139	< 10	132
TOW97ESSOTRENCH	205	226	< 1	0.01	51	360	16	12	25	39	< 0.01	< 10	< 10	51	< 10	220

CERTIFICATION: _____

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212 Brooksbank Ave., North Vancouver
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To: PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project :
Comments: ATTN:PETER MARTIN

Page Number :1-A
Total Pages :2
Certificate Date: 01-SEP-97
Invoice No. :I9739242
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9739242

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BOW97 NR 0+50	201	202	< 0.2	1.84	< 2	80	< 0.5	< 2	0.20	< 0.5	6	38	7	2.91	< 10	< 1	0.04	20	0.44	340	1
BOW97 NR 1+00	201	202	0.4	1.86	2	100	< 0.5	< 2	0.41	0.5	7	48	7	3.01	< 10	1	0.02	10	0.43	455	< 1
BOW97 NR 1+50	201	202	< 0.2	1.94	8	70	< 0.5	< 2	0.59	0.5	3	39	4	2.78	< 10	< 1	0.01	10	0.31	155	< 1
BOW97 NR 2+00	201	202	< 0.2	1.95	6	160	< 0.5	< 2	0.33	0.5	5	45	7	2.66	< 10	< 1	0.02	10	0.38	395	< 1
BOW97 NR 2+90	201	202	< 0.2	2.22	< 2	250	< 0.5	< 2	0.63	0.5	7	53	15	3.65	10	< 1	0.01	< 10	0.62	245	< 1
BOW97 NR 3+90	201	202	< 0.2	3.75	< 2	100	< 0.5	< 2	0.48	0.5	20	63	32	4.76	< 10	< 1	0.01	< 10	0.83	425	< 1
BOW97 NR 4+50	201	202	< 0.2	2.34	2	100	< 0.5	< 2	0.29	0.5	14	47	20	3.12	< 10	< 1	0.02	< 10	0.60	370	3
BOW97 SS -50	201	202	< 0.2	2.30	< 2	100	< 0.5	< 2	0.96	0.5	13	53	13	2.77	< 10	1	0.01	< 10	0.70	1660	< 1
BOW97 SS -51	201	202	< 0.2	3.32	12	160	< 0.5	< 2	1.30	1.5	26	85	47	4.99	10	< 1	0.02	< 10	1.65	1440	< 1
BOW97 SS -52	201	202	< 0.2	3.16	< 2	70	< 0.5	< 2	1.67	1.0	19	74	28	4.36	10	< 1	0.01	< 10	1.21	755	< 1
BOW97 SS -53	201	202	< 0.2	3.23	10	110	< 0.5	< 2	1.37	0.5	23	78	28	4.07	10	< 1	0.03	< 10	1.21	1325	< 1
BOW97 SS -54	201	202	< 0.2	3.55	32	170	< 0.5	< 2	1.37	2.5	51	86	25	7.85	10	< 1	0.02	< 10	1.73	8120	1
BOW97 SS -55	201	202	< 0.2	2.91	172	130	< 0.5	< 2	1.64	1.5	28	72	21	6.11	10	< 1	0.01	< 10	1.39	3590	< 1
BOW97 SS -56	201	202	< 0.2	2.88	68	130	< 0.5	< 2	1.58	1.0	20	65	32	3.82	10	< 1	0.03	< 10	1.31	1535	1
BOW97 SS -57	201	202	< 0.2	3.10	34	130	< 0.5	< 2	1.59	1.0	20	71	39	4.25	10	< 1	0.03	< 10	1.42	1045	< 1
BOW97 SS -58	201	202	< 0.2	2.46	72	160	< 0.5	< 2	1.41	0.5	14	53	41	3.28	< 10	< 1	0.01	< 10	0.86	1640	1
BOW97 SS -59	201	202	< 0.2	2.01	10	260	< 0.5	< 2	0.90	1.5	20	47	17	3.78	< 10	< 1	0.03	< 10	0.70	6660	1
BOW97 LION 6+00E	201	202	< 0.2	1.91	2	130	< 0.5	< 2	0.50	< 0.5	11	65	23	2.60	< 10	< 1	0.01	10	0.72	245	< 1
BOW97 LION 6+50E	201	202	0.2	2.57	< 2	140	< 0.5	< 2	0.54	0.5	10	63	11	3.43	< 10	< 1	0.01	< 10	0.63	260	< 1
BOW97 LION 7+00E	201	202	< 0.2	2.58	8	100	< 0.5	< 2	0.23	0.5	13	56	10	3.21	< 10	< 1	0.02	10	0.49	320	1
BOW97 LION 7+50E	201	202	< 0.2	2.54	4	90	< 0.5	< 2	0.37	0.5	10	51	13	3.15	< 10	< 1	< 0.01	< 10	0.52	235	< 1
BOW97 LION 8+00E	201	202	< 0.2	2.11	6	110	< 0.5	< 2	0.15	0.5	7	49	9	3.71	< 10	< 1	0.01	< 10	0.42	165	1
BOW97 LION 8+60E	201	202	< 0.2	2.59	6	310	< 0.5	< 2	0.62	1.0	14	68	19	4.65	10	< 1	0.02	< 10	0.68	1660	< 1
BOW97 LION 9+50E	201	202	< 0.2	2.58	2	70	< 0.5	< 2	0.12	< 0.5	8	45	10	3.23	< 10	< 1	0.02	10	0.39	165	2
TOW97 TRB SOIL	201	202	< 0.2	1.07	2060	190	< 0.5	2	0.07	< 0.5	55	127	49	9.99	< 10	< 1	0.06	< 10	0.16	1975	1
TOW97 KZ	201	202	< 0.2	1.59	24	240	< 0.5	2	0.13	0.5	42	158	53	10.30	< 10	< 1	0.01	< 10	0.15	1245	1
TOW97 NW	201	202	< 0.2	4.57	32	210	< 0.5	< 2	1.72	1.0	30	86	50	4.91	10	< 1	0.02	< 10	1.58	945	< 1
TOW97 LR 0+00	201	202	< 0.2	4.11	66	100	< 0.5	< 2	1.03	1.0	20	62	49	4.95	10	< 1	0.01	< 10	1.12	585	1
TOW97 LR 0+50	201	202	< 0.2	5.14	176	80	< 0.5	< 2	0.96	1.0	34	69	76	5.20	10	< 1	< 0.01	< 10	1.61	925	3
TOW97 LR 1+00	201	202	< 0.2	5.18	82	80	< 0.5	< 2	1.18	1.0	25	77	70	5.06	10	< 1	0.02	< 10	1.42	800	< 1
TOW97 LR 1+50	201	202	< 0.2	4.05	68	90	< 0.5	< 2	0.76	0.5	20	69	43	5.45	10	< 1	0.03	< 10	1.09	795	< 1
TOW97 LR 2+00	201	202	0.2	3.41	66	110	< 0.5	< 2	0.82	0.5	16	57	39	4.78	10	< 1	0.03	< 10	0.79	945	< 1
TOW97 LR 2+50	201	202	< 0.2	3.42	146	60	< 0.5	< 2	0.54	0.5	16	59	34	4.07	10	< 1	0.03	< 10	0.81	375	2
TOW97 LR 3+00	201	202	< 0.2	4.02	118	100	< 0.5	< 2	0.80	0.5	24	89	50	5.47	10	< 1	0.03	< 10	1.16	820	< 1
TOW97L8N 7+00E	201	202	0.4	2.58	132	380	< 0.5	2	0.35	< 0.5	23	46	61	8.01	< 10	< 1	0.13	< 10	0.39	1085	2
TOW97L8N 7+50E	201	202	0.2	3.65	72	240	< 0.5	< 2	0.37	0.5	15	72	33	4.77	10	< 1	< 0.01	< 10	0.88	565	1
TOW97L8N 8+00E	201	202	< 0.2	3.47	78	380	< 0.5	< 2	1.07	1.0	21	98	37	6.57	10	< 1	< 0.01	< 10	1.40	905	< 1
TOW97L8N 8+50E	201	202	< 0.2	2.63	16	250	< 0.5	< 2	0.49	1.0	13	85	32	6.23	10	< 1	0.01	< 10	0.67	515	< 1
TOW97L8N 9+00E	201	202	< 0.2	3.41	30	210	< 0.5	< 2	0.58	1.0	13	84	36	5.34	10	< 1	0.01	< 10	0.71	550	1
TOW97L8N 9+50E	201	202	< 0.2	3.11	28	160	< 0.5	< 2	0.56	0.5	15	77	36	4.73	10	< 1	0.01	< 10	0.85	975	1

BOW ROAD SOILS

STREAM SEDIMENTS

BOW GRID

TOW GRID

SILTS + SOILS

CERTIFICATION:

50.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PETER, MARTIN

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project :
Comments: ATTN:PETER MARTIN

Certificate Date: 01-SEP-97
Invoice No. :19739242
P.O. Number :
Account :HUW

CERTIFICATE OF ANALYSIS A9739242

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BOW97 NR 0+50	201	202	< 0.01	14	760	6	< 2	1	10	0.09	< 10	< 10	54	< 10	50
BOW97 NR 1+00	201	202	< 0.01	17	700	6	< 2	3	10	0.16	< 10	< 10	71	< 10	50
BOW97 NR 1+50	201	202	< 0.01	10	670	< 2	4	3	10	0.20	< 10	< 10	85	< 10	42
BOW97 NR 2+00	201	202	< 0.01	15	350	8	4	3	10	0.16	< 10	< 10	70	< 10	46
BOW97 NR 2+90	201	202	< 0.01	21	500	6	2	4	10	0.32	< 10	< 10	146	< 10	70
BOW97 NR 3+90	201	202	< 0.01	43	720	2	< 2	5	8	0.26	< 10	< 10	113	< 10	64
BOW97 NR 4+50	201	202	< 0.01	31	520	8	2	4	7	0.13	< 10	< 10	59	< 10	56
BOW97 SS -50	201	202	< 0.01	24	620	< 2	2	6	18	0.15	< 10	< 10	88	< 10	74
BOW97 SS -51	201	202	< 0.01	59	420	< 2	4	9	23	0.30	< 10	< 10	138	< 10	90
BOW97 SS -52	201	202	< 0.01	43	400	< 2	6	7	34	0.31	< 10	< 10	131	< 10	70
BOW97 SS -53	201	202	< 0.01	42	640	< 2	2	11	27	0.27	< 10	< 10	120	< 10	80
BOW97 SS -54	201	202	< 0.01	55	550	< 2	6	9	23	0.34	< 10	< 10	189	< 10	108
BOW97 SS -55	201	202	< 0.01	42	790	< 2	< 2	8	26	0.30	< 10	< 10	147	< 10	106
BOW97 SS -56	201	202	< 0.01	40	390	< 2	2	8	24	0.29	< 10	< 10	117	< 10	72
BOW97 SS -57	201	202	< 0.01	42	470	< 2	2	8	31	0.35	< 10	< 10	137	< 10	72
BOW97 SS -58	201	202	< 0.01	26	600	< 2	6	10	23	0.22	< 10	< 10	107	< 10	86
BOW97 SS -59	201	202	< 0.01	29	560	2	2	5	21	0.15	< 10	< 10	81	< 10	116
BOW97 LION 6+00E	201	202	< 0.01	32	440	4	< 2	7	15	0.14	< 10	< 10	68	< 10	56
BOW97 LION 6+50E	201	202	< 0.01	28	490	4	2	3	12	0.19	< 10	< 10	80	< 10	68
BOW97 LION 7+00E	201	202	< 0.01	30	510	6	2	3	7	0.11	< 10	< 10	57	< 10	90
BOW97 LION 7+50E	201	202	< 0.01	29	770	2	4	3	7	0.16	< 10	< 10	71	< 10	80
BOW97 LION 8+00E	201	202	< 0.01	18	470	8	4	1	6	0.06	< 10	< 10	53	< 10	64
BOW97 LION 8+60E	201	202	< 0.01	25	890	< 2	< 2	5	12	0.25	< 10	< 10	147	< 10	104
BOW97 LION 9+50E	201	202	< 0.01	20	520	10	4	1	5	0.06	< 10	< 10	43	< 10	74
TOW97 TRB SOIL	201	202	< 0.01	62	330	6	< 2	46	3	< 0.01	< 10	< 10	211	< 10	80
TOW97 KZ	201	202	< 0.01	66	970	2	8	21	4	0.04	< 10	< 10	293	< 10	122
TOW97 NW	201	202	< 0.01	49	570	2	< 2	8	22	0.32	< 10	< 10	148	< 10	66
TOW97 LR 0+00	201	202	< 0.01	33	390	< 2	4	7	21	0.32	< 10	< 10	150	< 10	62
TOW97 LR 0+50	201	202	< 0.01	47	450	< 2	8	9	18	0.33	< 10	< 10	152	< 10	56
TOW97 LR 1+00	201	202	< 0.01	37	620	< 2	2	9	32	0.38	< 10	< 10	161	< 10	66
TOW97 LR 1+50	201	202	< 0.01	32	660	< 2	2	6	39	0.33	< 10	< 10	150	< 10	74
TOW97 LR 2+00	201	202	< 0.01	26	870	4	6	5	28	0.27	< 10	< 10	142	< 10	74
TOW97 LR 2+50	201	202	< 0.01	31	500	4	< 2	5	18	0.23	< 10	< 10	107	< 10	66
TOW97 LR 3+00	201	202	< 0.01	36	530	6	2	9	30	0.33	< 10	< 10	165	< 10	64
TOW97L8N 7+00E	201	202	< 0.01	23	2480	2	2	9	8	< 0.01	< 10	< 10	196	< 10	102
TOW97L8N 7+50E	201	202	< 0.01	29	460	2	2	5	9	0.17	< 10	< 10	114	< 10	68
TOW97L8N 8+00E	201	202	< 0.01	38	570	2	4	8	19	0.27	< 10	< 10	163	< 10	78
TOW97L8N 8+50E	201	202	< 0.01	24	560	< 2	2	6	11	0.32	< 10	< 10	160	< 10	58
TOW97L8N 9+00E	201	202	< 0.01	30	550	< 2	2	6	13	0.27	< 10	< 10	143	< 10	68
TOW97L8N 9+50E	201	202	< 0.01	32	580	< 2	4	6	11	0.23	< 10	< 10	137	< 10	70

CERTIFICATION: _____

5/.

Chemex Labs Ltd.

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TOW GRID

TOW ROAD

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
TOW97L8N 10+00E	201	202	< 0.2	3.26	78	170	< 0.5	< 2	1.53	1.0	24	70	58	5.00	10	< 1	0.01	< 10	1.12	915	< 1
TOW97 SL 0+00	201	202	0.2	2.81	700	350	< 0.5	< 2	0.38	< 0.5	18	97	49	5.62	10	< 1	0.02	< 10	0.84	965	< 1
TOW97 SL 0+40	201	202	< 0.2	3.23	122	230	< 0.5	< 2	0.59	0.5	20	80	47	5.19	10	< 1	0.01	< 10	1.10	700	< 1
TOW97 SL 0+90	201	202	0.6	2.64	98	200	< 0.5	< 2	0.49	0.5	22	64	38	5.45	10	< 1	0.03	< 10	0.94	1910	< 1
TOW97 SL 1+50	201	202	< 0.2	3.10	92	100	< 0.5	< 2	0.49	0.5	13	85	28	4.81	< 10	< 1	0.02	< 10	0.94	440	< 1
TOW97 UR 0+50	201	202	< 0.2	3.41	174	80	< 0.5	< 2	0.71	0.5	22	85	36	4.70	10	< 1	0.02	< 10	1.28	600	1
TOW97 UR 1+00	201	202	< 0.2	3.12	96	110	< 0.5	< 2	0.82	0.5	23	79	47	4.49	10	< 1	0.03	< 10	1.16	910	< 1
TOW97 UR 1+50	201	202	< 0.2	3.10	162	110	< 0.5	< 2	0.80	0.5	28	77	53	4.20	10	< 1	0.02	< 10	1.38	960	< 1
TOW97 UR 2+00	201	202	< 0.2	2.84	20	90	< 0.5	< 2	0.74	0.5	16	62	23	3.60	< 10	< 1	0.01	< 10	0.88	475	4
TOW97 UR 2+50	201	202	< 0.2	2.98	16	110	< 0.5	< 2	0.39	0.5	12	61	16	4.22	< 10	< 1	0.02	< 10	0.61	375	< 1
TOW97 UR 2+90	201	202	< 0.2	3.25	20	90	< 0.5	< 2	0.66	0.5	14	77	22	3.99	< 10	< 1	0.01	< 10	0.79	540	1
TOW97 UR 3+50	201	202	< 0.2	2.74	16	100	< 0.5	< 2	0.79	0.5	10	71	29	4.61	10	< 1	0.02	< 10	0.81	345	< 1
TOW97 UR 4+00	201	202	< 0.2	3.22	20	110	< 0.5	< 2	0.63	0.5	13	73	33	4.11	< 10	< 1	0.03	< 10	0.93	390	< 1

SOILS

CERTIFICATION: _____

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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: PETER, MARTIN **

2787 MOUNT SEYMOUR PKWY.
NORTH VANCOUVER, BC
V7H 1E8

Project :
Comments: ATTN:PETER MARTIN

Certificate Date: 01-SEP-97
Invoice No. : I9739242
P.O. Number :
Account : HUW

CERTIFICATE OF ANALYSIS A9739242

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
TOW97LBN 10+00E	201	202	< 0.01	33	650	< 2	< 2	7	33	0.31	< 10	< 10	145	< 10	66
TOW97 SL 0+00	201	202	< 0.01	45	600	6	6	8	8	0.12	< 10	< 10	144	< 10	86
TOW97 SL 0+40	201	202	< 0.01	40	480	2	2	6	9	0.17	< 10	< 10	128	< 10	88
TOW97 SL 0+90	201	202	< 0.01	25	1130	6	6	5	16	0.18	< 10	< 10	154	< 10	78
TOW97 SL 1+50	201	202	< 0.01	30	540	< 2	6	5	8	0.20	< 10	< 10	110	< 10	58
TOW97 UR 0+50	201	202	< 0.01	43	490	2	10	6	9	0.25	< 10	< 10	126	< 10	68
TOW97 UR 1+00	201	202	< 0.01	41	530	4	< 2	7	13	0.24	< 10	< 10	127	< 10	54
TOW97 UR 1+50	201	202	< 0.01	52	410	< 2	2	8	9	0.25	< 10	< 10	128	< 10	58
TOW97 UR 2+00	201	202	< 0.01	33	370	< 2	< 2	5	11	0.27	< 10	< 10	111	< 10	54
TOW97 UR 2+50	201	202	< 0.01	23	410	6	6	4	10	0.19	< 10	< 10	89	< 10	64
TOW97 UR 2+90	201	202	< 0.01	30	500	4	4	5	11	0.28	< 10	< 10	127	< 10	92
TOW97 UR 3+50	201	202	< 0.01	29	500	4	4	5	15	0.30	< 10	< 10	125	< 10	62
TOW97 UR 4+00	201	202	< 0.01	33	380	2	4	6	11	0.27	< 10	< 10	113	< 10	56

CERTIFICATION:

LEGEND

- CREEK
- LAKE OR POND
- SWAMP
- LOGGING ROAD
- LOGGING LANDING
- EDGE OF CLEARCUT
- SS-00 SILT SAMPLE SITE

FIG. 4

SCALE 1:15000

1cm = 150 m

3.33cm = 500m

N

Creek
Main Road
LCP BOW 1
Creek
Mile
Trapper
Fourteen
Fourteen Mile Lake
Float Concentration
Mag.
Ron 1
Ron 2
Ron 3
Ron 4
Soil & Mag.
Mag. Only
Mag. Only
BOW Grid
BOW 1 455W
Craze Creek Road
BOWRON
Main Road
Craze Creek
RIVER
TOW Grid
Peak of Hill -Trench A
1982 Esso Trench
Towkuh Creek Crossing
Prince George Forest Region
Cariboo Forest Region

SS-14
SS-02
SS-59
SS03
SS-01
SS-23
SS-08
SS-22
SS-04
SS-05
SS-15
SS-16
SS-52
SS-51
SS-06
SS-53
SS-54
SS-17
SS-18
SS-50
SS-55
SS-20
SS-19
SS-57
SS-21
SS-58
SS-56

* NOTE THAT THE PREFIX "57" AND THE SUFFIX "0" SHOULD BE ADDED TO EACH 2-DIGIT NUMBER TO OBTAIN THE FULL GAMMA READING AT EACH STATION.

LEGEND

57 MAGNETOMETER READING *

STREAM

⊗ LOCATION OF STREAM SEDIMENT SAMPLE

SWAMP

ROAD

CLEARCUT EDGE

APPROXIMATE AREA OF FERRICRETE CONCENTRATION

HUMP COVERED IN FERRICRETE BOULDERS

AREA OF SULPHIDE FLOAT IN ROADCUT

LANDING

SS-13

SS-12

SS-11

SS-10

SS-09

4+00E 5+00E 6+00E 7+00E 8+00E 9+00E 10+00E 11+00E 12+00E 13+00E 14+00E 15+00E 16+00E

3+00N 4+00N 5+00N 6+00N 7+00N 8+00N 9+00N 10+00N 11+00N 12+00N 13+00N

1 cm = 25m

4 cm = 100m

Fig. 5

DETAIL OF BOW GRID WITH SILT SAMPLE LOCATIONS AND MAGNETOMETER READING (GAMMAS)

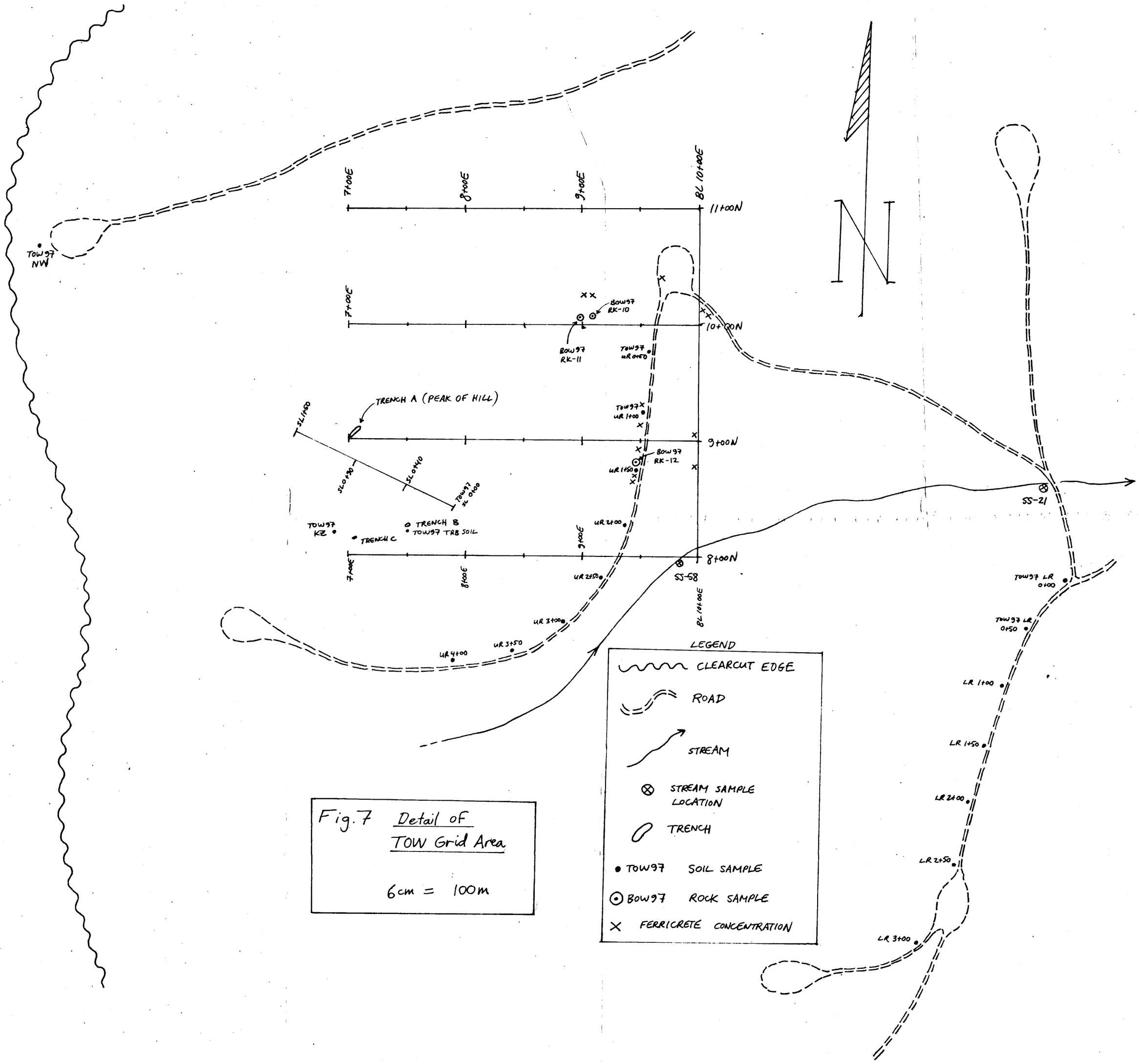

Fig. 7 Detail of TOW Grid Area

6cm = 100m