GEOCHEMICAL REPORT ON THE VEEGEE GROUP (MAC 1&2)
LILLOOET MINING DISTRICT

LATITUDE: 50 Deg. 37.5' N.
LONGITUDE: 122 Deg. 31.0' E.
NTS: 92J 10E

OWNER-----
OPERATOR-|--> Bill McConechy
AUTHOR----

Date: Nov. 1, 1989

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SUMMARY

The VEEGEE Group (MAC 1 & 2 Claims) consists of 20 units within the Anderson Lake extension of the Bridge River Gold Camp. It has been shown that the claims lie along the extension of the Cadwallader Fault which hosts the Bralorne-Pioneer Mine, approximately 30 km. to the northwest. The mine produced 5 million tons of 18 g/t gold over the years 1910 to 1971, and was the largest gold mine in B.C. at time of closure.

From June 24 to July 2, 1989 a program of soil sample collection, on a 100 meter grid, was conducted on the southeast corner of the MAC 2 claims. In addition, any outcrops were noted on the traverse and rock and silt samples taken where deemed necessary.

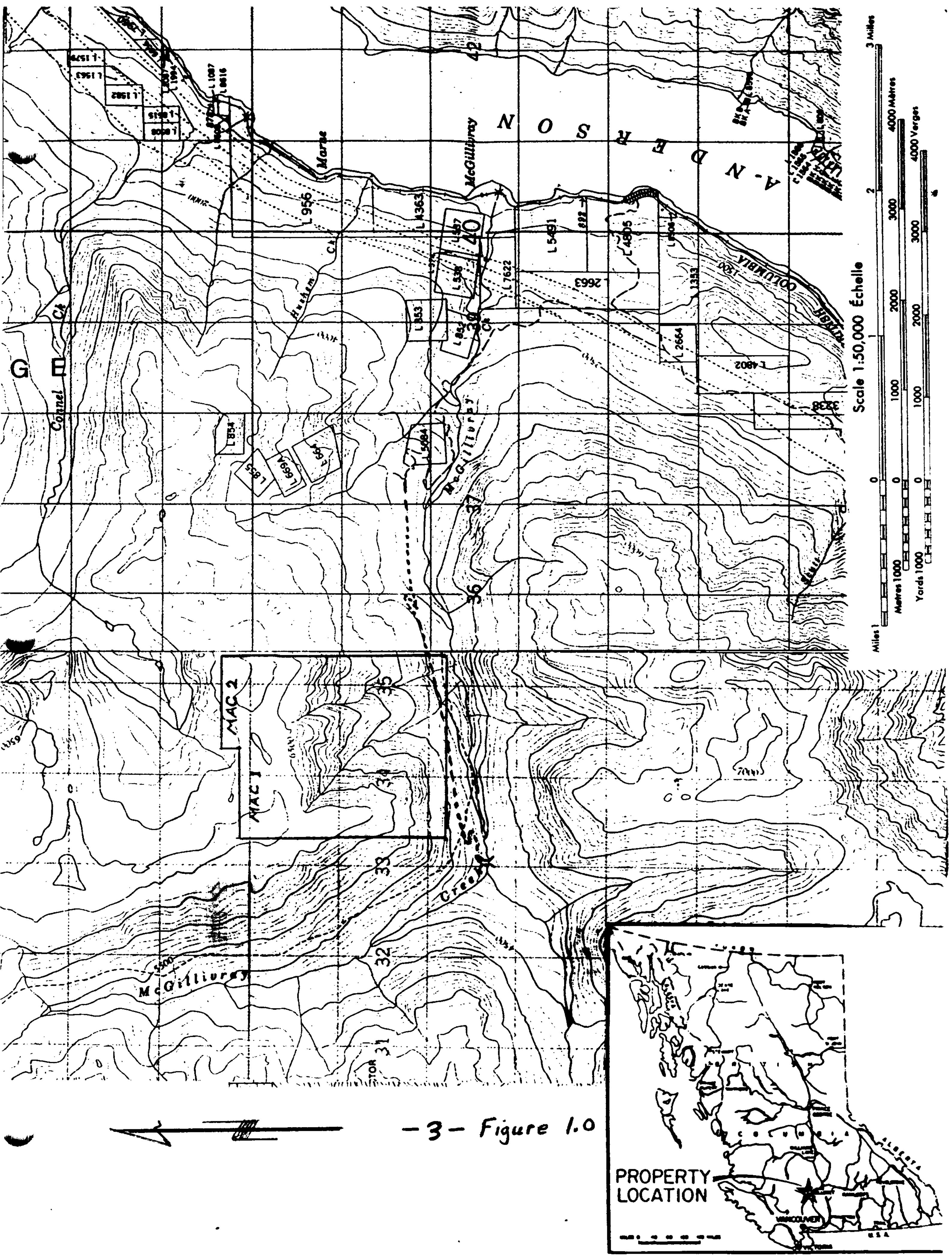
The results of this program have identified two specific areas which require further investigation. One is a wide quartz vein, and the other an anomoly and possible fault.

A Teck Corporation crew of two geologists spent a total of six days on the group performing geologic mapping and rock & silt sampling. Most of this work was conducted in the nothern half of the claims and in and around the Diorite Adit. This work identified several areas of interest, including the "silicon cirque" complex of quartz veins in the far northeast corner.

1.0 INTRODUCTION

The VEEGEE Group is located 7 Km. west of Anderson Lake with it's southern boundary paralleling McGillivray Creek on it's easterly leg to the lake. The town of D'Arcy is about 14 km. by road to the south-east. Access is via the D'Arcy-Lillooet powerline road to McGillivray Creek where a rough 4X4 road runs along the north bank of the creek, above the old McGillivray Creek Trail. D'Arcy lies at the end of Highway 99 from Vancouver. Figure 1.0 shows the general and specific location of the property. The 20 unit group was first staked in 1981 by the author, was optioned to X-Cal Resources Ltd. between 1983 and 1987 during which time work was performed by both X-Cal and Hudson Bay Exploration Ltd. The property was returned to the author in the spring of 1987, and has remained in good standing thoughout it's history.

The claims lie on a steep (+30%) side slope from creek bottom (4000') to mountain ridge (7000'). Two small creeks drain into McGillivray Creek on the claims. They originate just below the craggy mountians peaks which form the northern boundary.


PROPERTY
LOCATION
VANCOUVER
MAC 1
MAC 2
McGillivray
Creek
Connel Ck
Marne
A-N-D-E-R-S-O-N
COLUMBIA
Scale 1:50,000 Échelle

-3- Figure 1.0

2.0 HISTORY AND PREVIOUS WORK

The property dates back to 1910 when it was known as the Diorite Camp and the old workings and remnants of a stamp mill and two large log bunkhouses can still be seen there. The Diorite Adit is located near the south boundary of the property a few hundred meters north of the 4X4 road about 700 m. from the west boundary. The elevation here is about 4500'. The attraction in 1910 and now is a 15' quartz vein striking N-S, as well as a few minor veins. However, extensive assays by Hudson Bay Exploration within the adit revealed little of interest.

The claims were staked by the author in 1981 on the basis of some lapsed units, geology similar to the Bralorne areas, and a few silt and rock assays. Shortly afterwards the surrounding area was staked by X-Cal Resources.

Reports # 11749 & 11876 by Richard Mazur for X-Cal, in 1983 and 1984 indicated anomolous gold values from conventional silt and heavy mineral samples respectively. The largest values were on the west boundary (Silt:50 ppb, HMS: 1600 ppb) and just to the east towards the Anderson Lake Gold Mine (HMS: 4430 ppb). A silt sample on the north ridge assayed 60 ppb and near the Diorite Adit 490 ppb.

In 1985, Hudson Bay Exploration conducted an extensive heavy mineral sampling program in the area, as well as mapping the local geology (report # 14382). Figure 2.1 shows this geology.

Results include anomolous gold values in the eastmost small creek, both through a heavy mineral sample and a soil sample at 800 m. N, 400 m. W of the southeast boundary. Again, several rock assays along the north ridge showed anomolous gold , silver, and antimony values.

Subsequent to 1985 work done on the claims consisted mainly of road building and maintenance.

3.0 GEOLOGY AND MINERALIZATION

The regional geology is well documented by, for example, J.A. Roddick an W.W. Hutchison in G.S.C Paper 73-17 and will only be summarized here.

The Bridge River or Fergusson Group consists mainly of a "thick sequence of thin-bedded chert, cherty argillite, and argillite intercalated with altered basaltic flows and minor limestone". This is the oldest unit in the area and is probably Middle Triassic and older.

The Cadwallader Group consists of the Noel, Pioneer, and Hurley Formations, all Upper Triassic. Pioneer, the oldest, consists mainly of greenstone. Noel, is essentially thin-bedded black argillite. The youngest member, the Hurley, is composed of green, brown, black, limy argillite, limestone, and tuff.

Igneous intrusions include the Bralorne Diorite (Paleozoic), the Cretaceous ultrabasics, and the Coast plutonic rocks, eg. granodiorite (Mezozoic).

Figure 2.2.1 shows these lithological units.

Gold mineralization at Bralorne is associated with altered ultramafics, but more importantly gold-bearing quartz veins are found along with the major fault system which extends from the Bralorne area through the property under study.

Any of the diorite, greenstone, argillite, and tuffs have been found to host mineralized quartz veins. Also there are many theories as to which structures may produce ore grade veins and which portions of the vein may be the richest.

In our local area of interest are found all necessary ingredients for ore formation. The major fault structure, (extension of the Cadwallader Shear & Ferguson Overthrust) cuts diagonally across the group. These faults transect the sedimentary/volcanic Bridge River Group & Hurley Formation. Linear, altered serpentinite zones mark these faults which have controlled the emplacement of a body of Bralorne Diorite/ Greenstone. The above sequence lies between the main body of the Coast Plutonic Complex and outlying bodies of Bendor Granodiorite.

The quartz veins encountered by Teck Corp. show similarities to those at Bralorne in that the contain the following mineralogy: pyrite, galena, sphalerite, trace tetrahedrite with pyrrhotite, and chalcopyrite in the wallrock.

The ultramafics (serpentinite, peridotite) have been found in several areas by both Hudson Bay, and more recently by Teck Corp. The diorites and greenstones (Bralorne Intrusives) and argillites (Hurley) are ubiquitous. A large outcrop of greenstone was found at 600-700 N. along the east bounary (rock sample #3). Within this outcrop is a vertical albitite dyke, 4' wide, striking N 40 E.

At 200 N, 200 W from the southeast corner, on the east bank of of a small creek, is a 10' wide quartz vein (rock samples #1, 5, 6). This vein strikes N 30 E and is vertical.

Figure 2.1 shows the local geology as mapped by Hudsons Bay Exploration. Figures 2.2.2 - 2.2.3 show the same as mapped by Teck Corp.

The following describes the silicon cirque area examined by Teck Corp.:

An irregular 800 x 900 m grid, with 50 m spacings, was established in the Silicon Cirque area to facilitate mapping and rock sampling of quartz veins occupying a conjugate fracture system in the Bralorne Diorite. The fracture system is denoted by quartz-carbonate to listwanitic alteration. Veins trend 20 - 40 degrees and 120 - 140 degrees with shallow dips to the south.

The environment at Silicon Cirque is similar to that of the Pioneer Mine with similar rock units, (ie the Bralorne Diorite/Greenstone, proximal ultrmafic rocks, and peripheral albitite dykes). However, the Bralorne soda granite is absent and the quantity and size of the albitite dykes is much greater at Pioneer than at Silicon Cirque. The Cirque may also be lacking major late stage faulting which has caused brecciation of the albitite and soda granite at the Pioneer Mine. Minor offset of an albitite dyke near Silicon Cirque was observed, but brecciation was not evident.

Vein Mineralogy is also similar to Bralorne. The Bralorne and Silicon Cirque veins contain some tetrahedrite and galena with pyrrhotite and minor chalcopyrite proximal to some of the veins. Unfortunately, the veins do not exhibit a good Au/Pb association which is typical of the Bralorne veins. Also, a similar shallow conjugate vein system at Bralorne contains significant Au values at depth. Unfortunately, due to the position of the veins and shallow dip, long drill holes (2000 ft. +) with helicopter access would be necessary to test the depth extent.

The Silicon Cirque veins are not anomalous in Au. Only 2 anomalous Au values were obtained from the veins, 490 ppb and 380 ppb Au. Values up to 74.9 ppm Ag, 5,526 ppm As, 100 ppm Sb, 2.6 g/t Hg, 630 ppm Cu +/- anomalous Pb, Zn values were obtained from tetrahedrite rich sections of the veins. One of the veins carried 1,210 ppm W.

Two soils from listwanite zones carried 180 ppb and 590 ppb Au. Follow-up of the soils did not reveal any further anomalies.

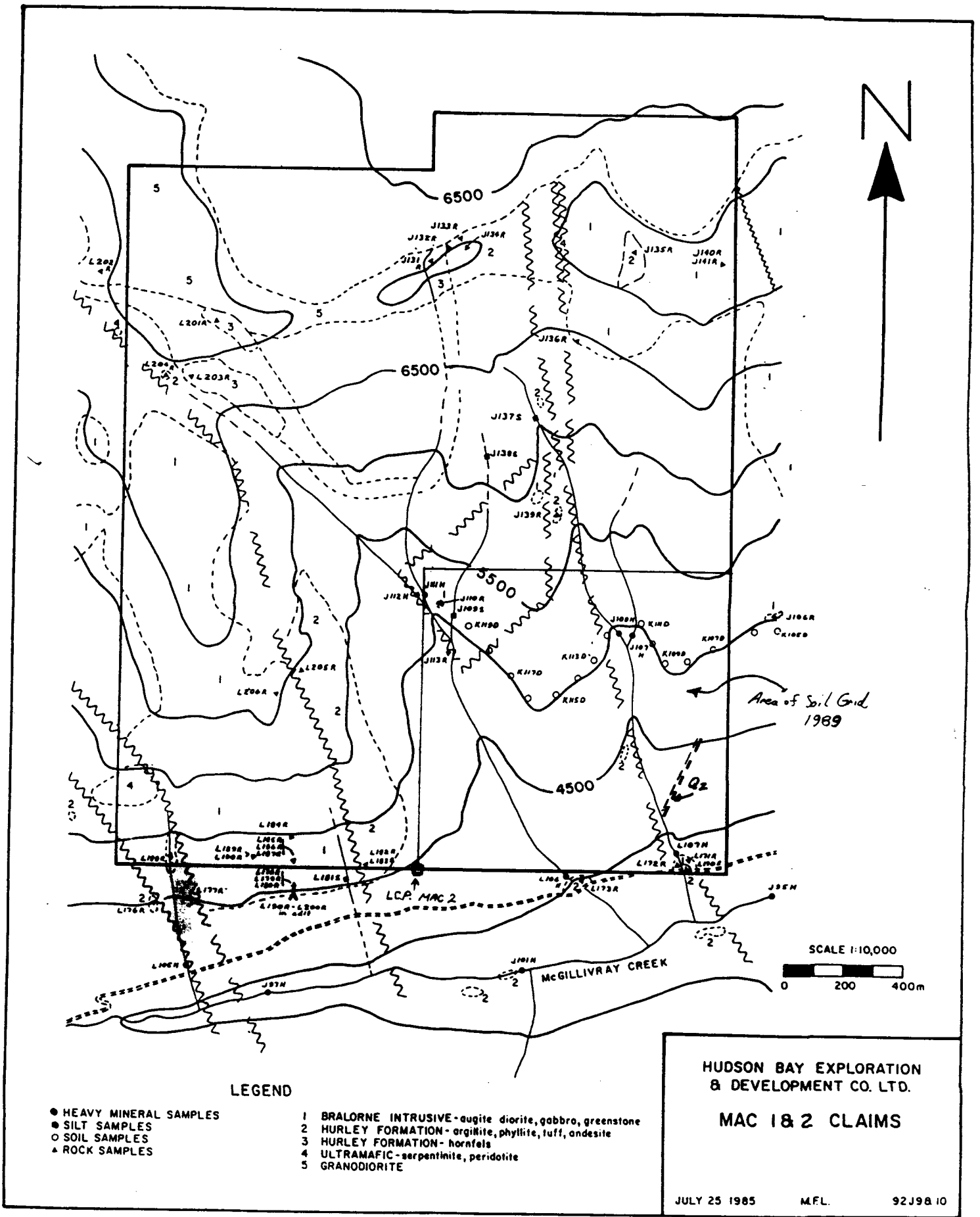

N
6500
6500
5500
4500
Area of Soil Grid 1989
LCP MAC 2
McGILLIVRAY CREEK
SCALE 1:10,000
0 200 400m
LEGEND
● HEAVY MINERAL SAMPLES
● SILT SAMPLES
○ SOIL SAMPLES
▲ ROCK SAMPLES
1 BRALORNE INTRUSIVE - augite diorite, gabbro, greenstone
2 HURLEY FORMATION - argillite, phyllite, tuff, andesite
3 HURLEY FORMATION - hornfels
4 ULTRAMAFIC - serpentinite, peridotite
5 GRANODIORITE
HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.
MAC 1&2 CLAIMS
JULY 25 1985 M.F.L. 92J98 10

Figure 2.1

TABLE OF LITHOLOGICAL UNITS:

Tertiary

- Dykes: Basalt and lamprophyre dykes
- Tg: miarolitic granite
- Tv: andesitic to dacitic volcanics and porphyries

Cretaceous — Coast Plutonic Complex (CPC)

- Bendor Granodiorite
- Granodiorite, local Quartz-Diorite, related feldspar porphyry dykes
- apophyses of Soda Granite related quartz feldspar porphyry and albitite dykes

PRESIDENT ULTRABASIC COMPLEX: pyroxenites, dunites, largely altered to serpentinite (Um, Serp.)

U.Triassic

CADWALLADER GROUP

HURLEY FORMATION: green, brown, black argillite, cherty argillite; local greywacke, limestone horizons; upper dacite to andesite volcanic breccias; basal conglomerate; limestone and chert pebble conglomerates.

PIONEER FORMATION: greenstones, basic volcanics; includes pillow lavas, massive and pyroclastic units

Pre Permian?

BRALORNE DIORITE: mottled greenish grey, variable texture quartz diorite-diorite-gabbro.

BRIDGE RIVER GROUP: chert, some marble; schist, gneiss, hornfels; phyllite, argillite in less metamorphic areas, greenstone, basalt includes pillow lavas

Figure 2.2.1

LEGEND

Lithology

R	: Rhyolite
Rd	: Rhyodacite
D	: Dacite
A	: Andesite
B	: Basalt
G	: Granite
QM	: Quartz Monzonite
GDi	: Granodiorite
QDi	: Quartz Diorite
Di	: Diorite
Arg	: Argillite
Ch	: Chert
Sts	: Siltstone
Cgl	: Conglomerate
GW	: Greywacke
Phy	: Phyllite
Hfs	: Hornfels
Sch	: Schist
Ms	: Metasediment
Mv	: Metavolcanic
Gst	: Greenstone
Um	: Ultramafic
Serp	: Serpentinite
Alb	: Albitite
Lamp	: Lamprophyre

Textures

t	: tuff
lap t	: lapilli tuff
agg	: agglomerate
bv	: breccia
p	: porphyry

Structures

dy	: dyke
v	: vein
shr	: shear
bx	: breccia
mig	: migmatite
sw	: sweat

Alteration

a	: altered
sil	: silicified
cl	: clay
list	: listwanite
carb	: carbonate
ank	: ankerite
r	: rusty

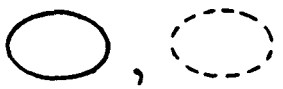
Minerals

py	: pyrite
cp	: chalcopyrite
po	: pyrrhotite
sp	: sphalerite
tetra	: tetrahedrite
aspy	: arsenopyrite
mal	: malachite
az	: azurite
q	: quartz
cal	: calcite
ep	: epidote
trav	: travertine
gnt	: garnet
bio	: biotite
tc	: talc
f	: feldspar

Modifiers

w	: weak
m	: moderate
s	: strong
i	: intense
l	: local
chy	: cherty
arg	: argillaceous
phy	: phyllitic

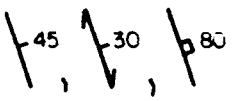
Symbols



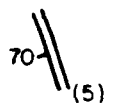
area of outcrop, float

general area outcrop, subcrop, talus

alteration zones



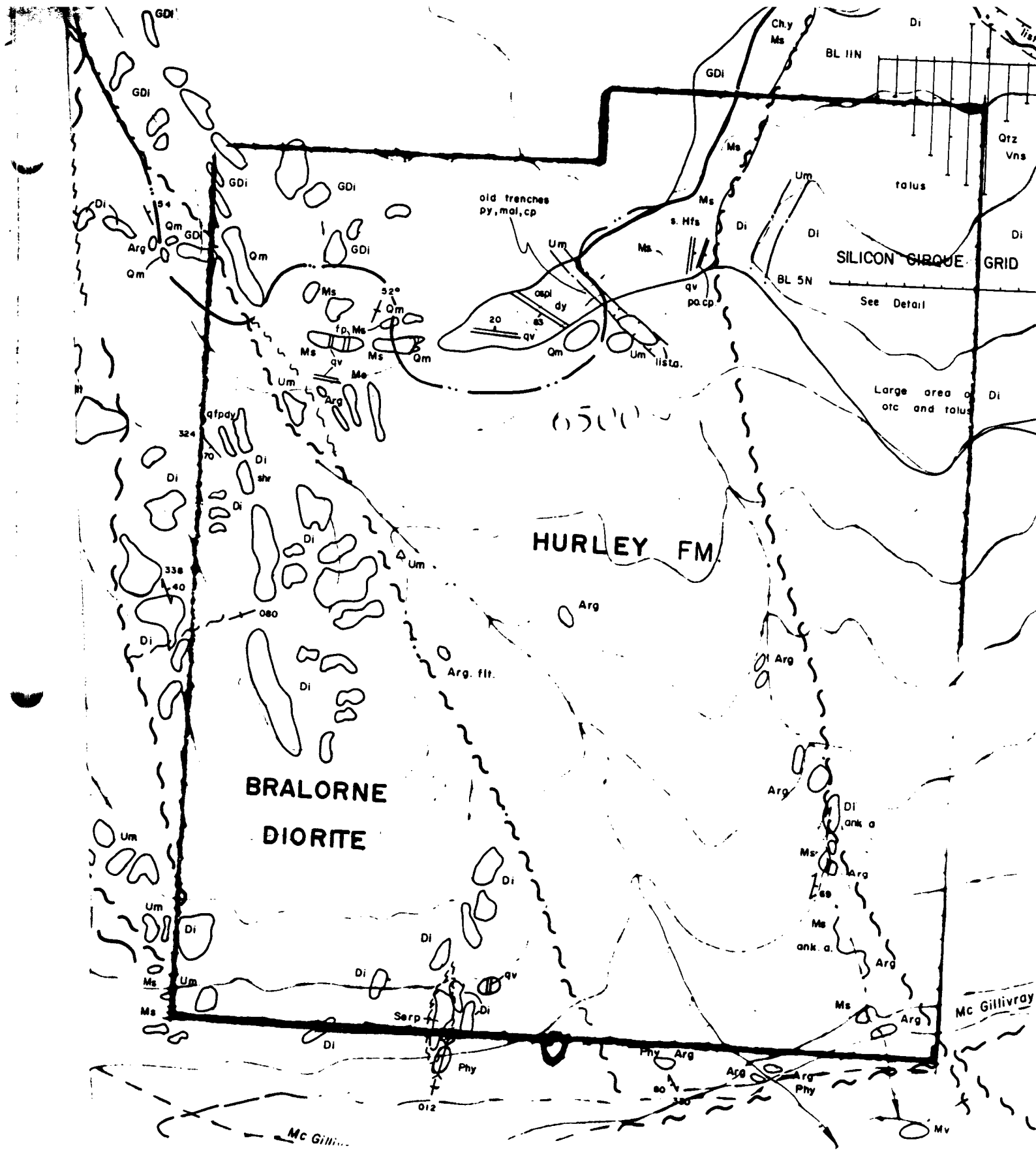
strike and dip of bedding, foliation, joints



quartz veins with (width in cm)

faults, shears

 Figure 2.2.2



-10- Figure 2.2.3

0 125 500 m

4.0 CURRENT 1989 PROJECT

4.1 Methodology

The current project was intended to add more detailed information to the geochemical work done by Hudson Bay Exploration. Although there are areas of interest along the north ridge and west boundary, as well as in the area of the diorite adit, the southeast corner seemed to require soil samples on a medium sized grid to verify and localize the existing results.

About half a day was spent reconditioning the 4X4 road access in order to travel with relative ease. This involved bucking up deadfall, and moving boulders with a pry bar. The local forest has quite recently been devastated by an infestation of the mountain pine beetle and winds of any substance can bring down a raft of trees.

Six days of traversing and soil sampling completed a grid on 100 m. centers in the southeast corner of MAC 2, between the eastmost small creek and the east boundary. 59 soil samples, 4 silt samples, and 6 rock samples were collected and assayed for gold, arsenic, and antimony.

It was decided in advance that, given the localized nature of gold in quartz veins, there may well be different values between soil horizons. Therefore, a soil auger was constructed with an eight foot shaft, and a toothed bit, to drill manually down to the "C" horizon and retain a sample to be extracted. Standard "B" horizon samples were taken at 38 locations on the grid and "C" horizon samples were taken at 21 locations, where soil conditions permitted. Depth of the latter varied between 2-4 feet.

Teck Corporation sent in 2 geologists with helicopter support to perform geologic mapping and silt and rock sampling on the Veegee group, between June 10 and June 30. This work was performed while they were in the area for the summer, performing a total of $174,00 of work, mostly on claims optioned from X-Cal Resources. On the Veegee group they collected & assayed 80 rock and 6 silt samples for gold, mercury, arsenic, antimony, silver, and other multi-element minerals.

4.2 Results

The series of figures 3.1 - 3.3 show a closeup of the southeast corner of MAC 2 claim with the sample numbers for "B" horizon, "C" horizon, and rock/silt samples. Each sample type has a value for gold, arsenic, and antimony. The actual Chemex Labs Ltd. Certificates are found in Appendix A. These contain sample numbers, preparation code, and gold (ppb), arsenic (ppm), and antimony (ppm) values. The preparation codes are:

201 - Dry, seive through a -80 mesh screen
203 - Dry, seive through a -35 mesh screen and pulverize to approximately -150 mesh
207 - Multiple stage crushing, riffle split, and pulverize to approximately -150 mesh
217 - Dry, and pulverize entire sample to approximately -150 mesh

In general, rock samples underwent preparation 207, soils 201, and silts 203 or 217.

All of the samples were assayed by Chemex Labs Ltd. of N. Vancouver. For gold in rocks, fire assay with an atomic absorbtion (A.A.) finish was used giving a detection limit of 5 ppb. For the soils and silts, the method was fire assay with a neutron activation finish. The detection limit for this method was 1 ppb.

All samples were analysed for arsenic by digesting in nitric acid and analysed with atomic absorption. The detection limit is 1.0 ppm. The samples were analysed for antimony by digesting at low temperature with HCL, KCIO3, and then extracting with MIBK. Again A.A. was used. The detection limit is 0.2 ppm. Note that the gold values below detection limit are displayed as zero on all maps.

Appendix B contains contour maps of the "B", "C" horizon samples for gold, arsenic, antimony.

The rock samples (R1-R7) consisted of the following rock types:

R1 - Quartz
R2 - Quartz
R3 - Bralorne Diorite (Greenstone)
R5 - Wallrock (Greenstone) at quartz vein
R6 - Quartz & Wallrock
R7 - Quartz float

The figure 3.4 shows the locations and gold, silver values, as well as other minerals over certain thresholds. Appendix "D" describes the sample prparation and analysis methods used by Eco-Tech Labs for Teck Corp.

1989 PROJECT - MAC 2 Claims B-HORIZON SOIL SAMPLES

SAMPLE LOCATIONS, NUMBERS, AU, AS, SB Values

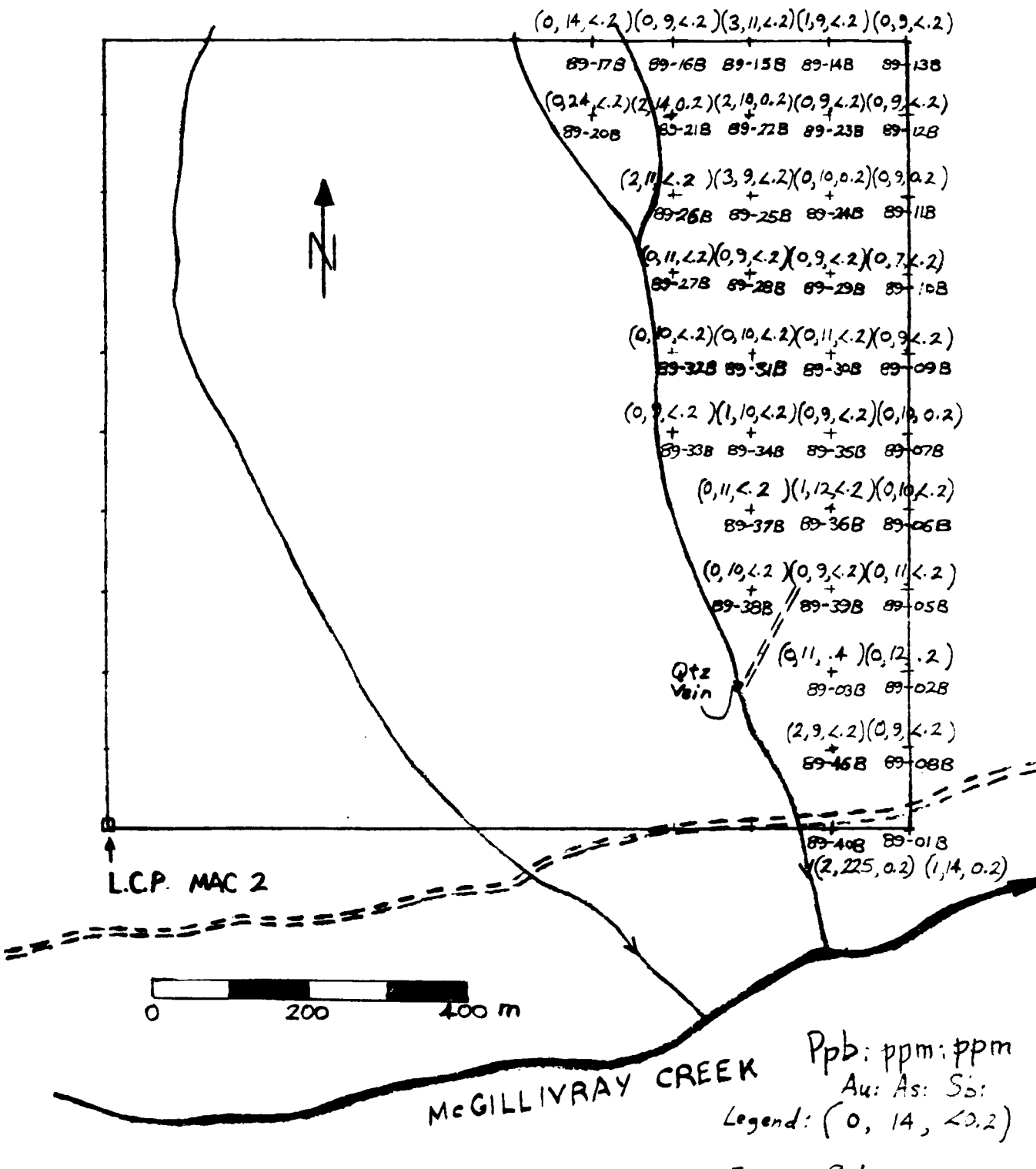
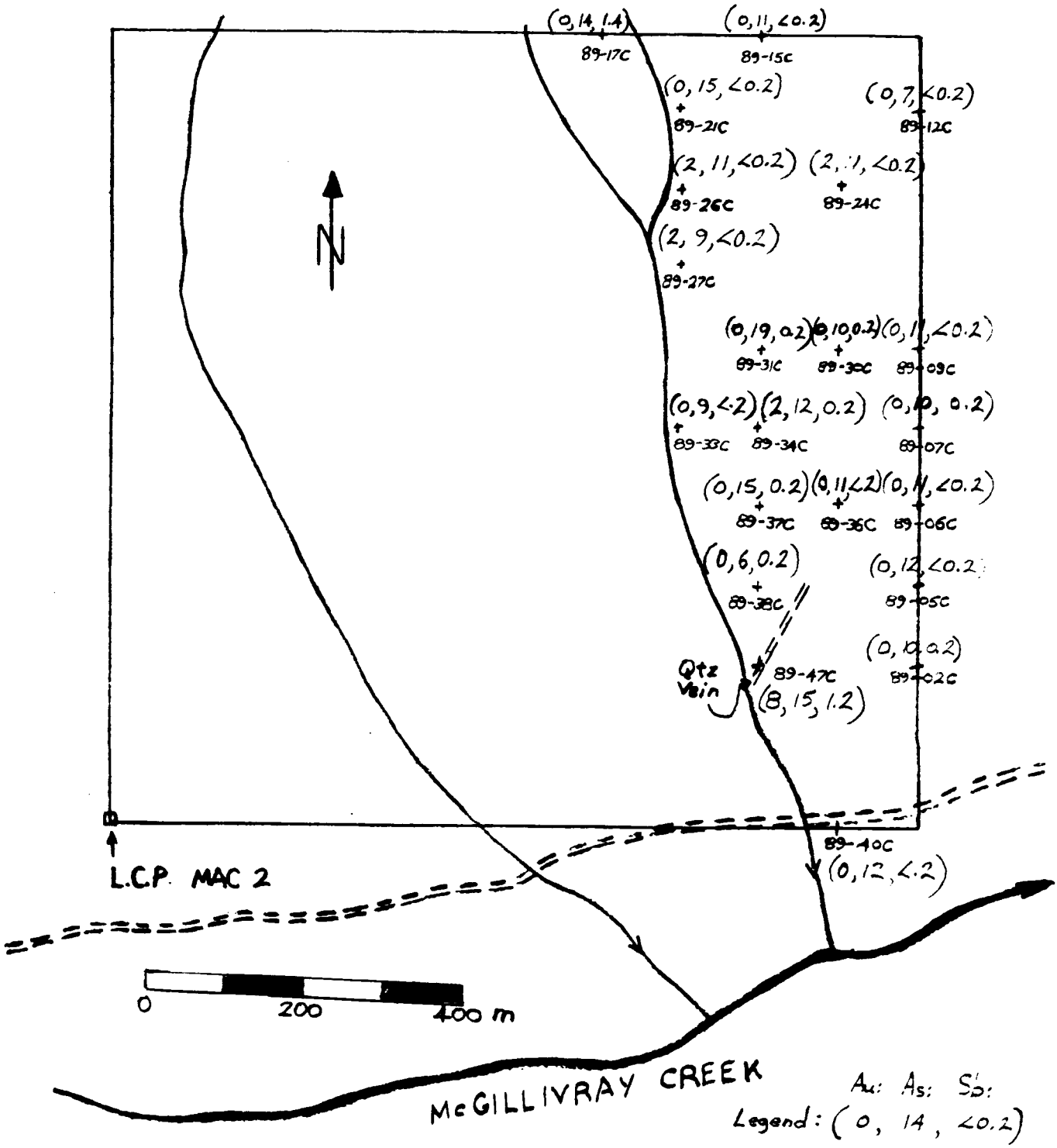


Figure : 3.1

1989 PROJECT - MAC 2 Claims C-HORIZON SOIL SAMPLES

SAMPLE LOCATIONS, NUMBERS, AU, AS, SB Values



Au: As: Sb:

Legend: (0 , 14 , <0.2)

Figure : 3.2

1989 PROJECT - MAC 2 Claims Silt & Rock SAMPLES

SAMPLE LOCATIONS, NUMBERS, AU, AS, SB Values

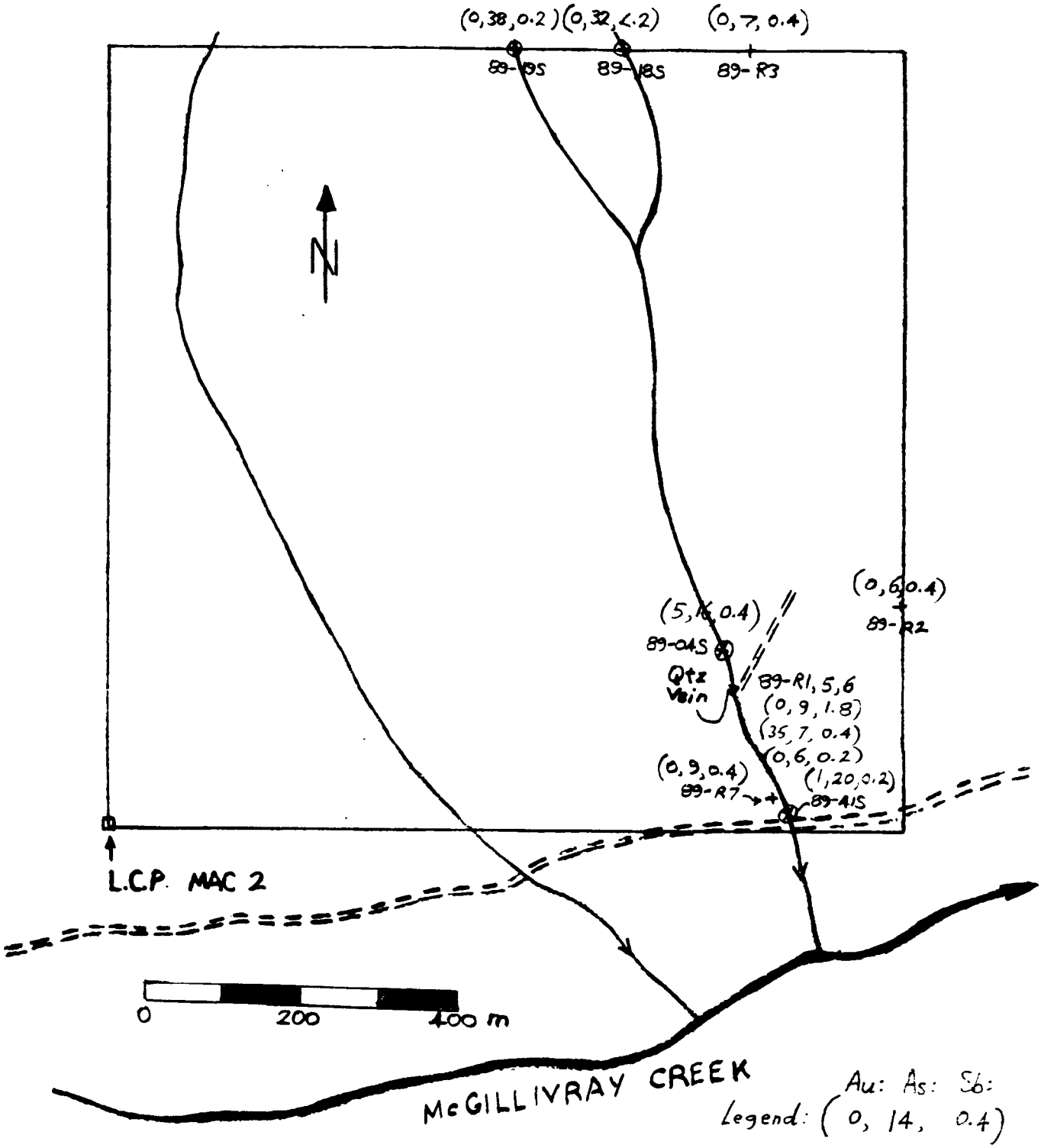
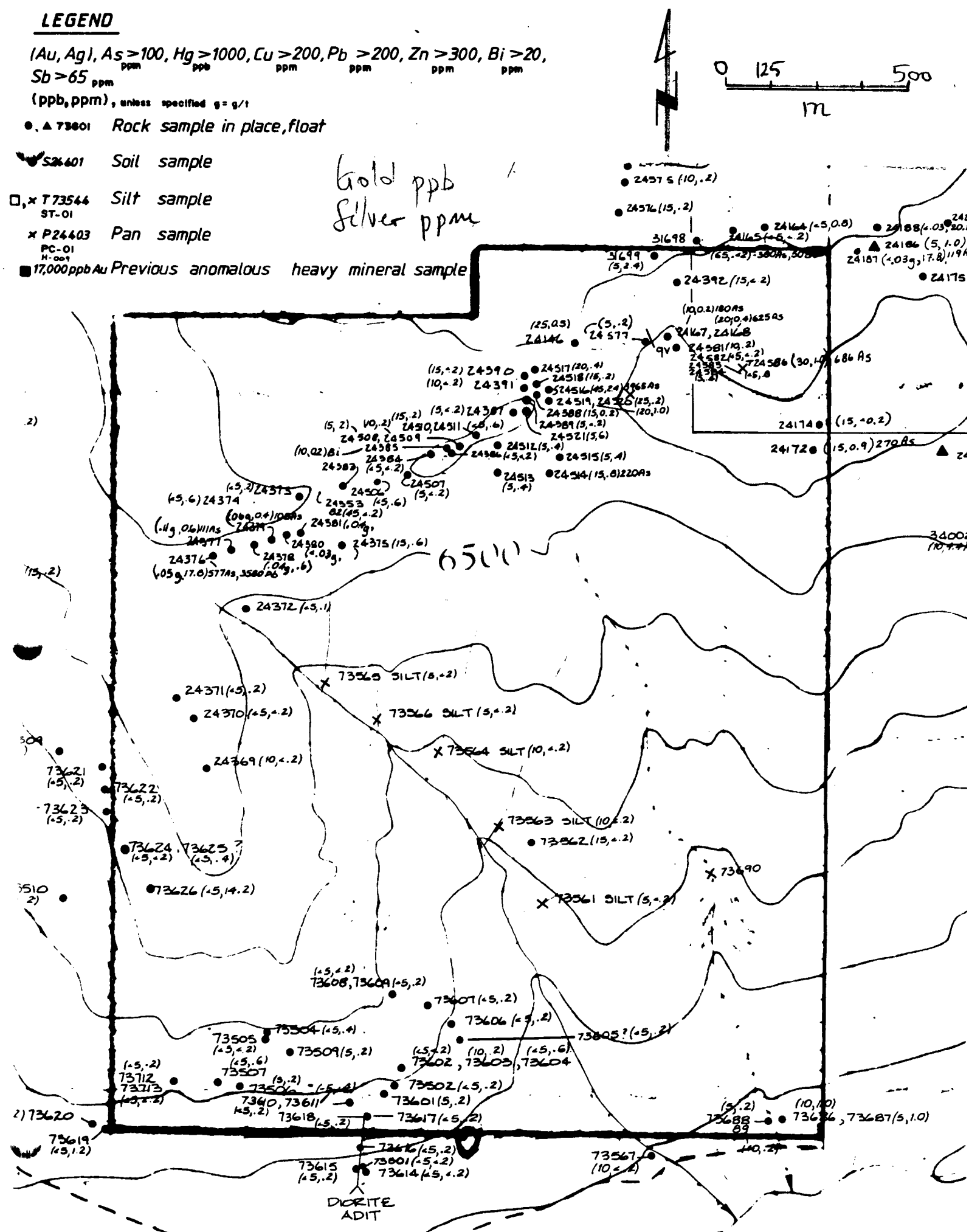


Figure : 3.3


LEGEND
(Au, Ag), As >100 ppb, Hg >1000 ppb, Cu >200 ppm, Pb >200 ppm, Zn >300 ppm, Bi >20 ppm, Sb >65 ppm
(ppb, ppm), unless specified g = g/t
Rock sample in place, float
Soil sample
Silt sample
Pan sample
Previous anomalous heavy mineral sample
Gold ppb
Silver ppm
0 125 500
m
6500
DIORITE
ADIT

– 16 –

Figure 3.4

5.0 DISCUSSION AND INTERPRETATION

The current results show relatively low gold values in the soils, however they are above detection limit in several samples. It is significant that these values are concentrated spatially in two areas, best seen by looking at the contour maps in Appendix B. The "B" & "C" horizon samples show the same pattern for gold values. However, the "C" horizon anomoly centered at 700N 800E is slightly wider and downslope from the "B" horizon anomoly. As this tends to contradict the theory that "C" horizon anomolies are closer to the source, there are one of two explanations:

1. There is some inversion of the dispersion effect where the lower soils see less movement of gold than the upper soils.
2. The grid is too coarse to give the complete picture, and the "C" horizon amolous samples actually are closest to some gold source but this is localized in a smaller area, perhaps several N-S veins.

In either case this area is small enough to sample quickly on a small grid.

The anomoly to the south with 8 ppb gold in the "C" horizon is almost certainly from the wide quartz vein there.

The arsenic values verify the influence of this quartz vein and show the importance of arsenic as a pathfinder. Also the "B" samples indicate an anomoly to the northwest of the grid.

The antimony values are low except for a few "C" horizon samples, one near the quartz vein and one in the northeast corner of the grid.

The Teck rock samples (figure 3.4) show more anomolous gold values in the northern section of the claims. Values up to .11 g/t Au are found in the northwest in an area of quartz veins in argillite. Arsenic values up to 577 ppm. are found in the same area. Values up to 0.065 g/t Au are found in the northeast (Silicon Cirque) and are accompanied by Arsenic values up to 686 ppm.

Both of these areas are of considerable interest, however, as communicated by Teck Corp., drill holes of some depth may be required to explore the quartz veins and access would have to be by helicopter

6.0 ITEMIZED COST STATEMENT

WORK PERFORMED BY AUTHOR:

Transportation			$ 1200
Supplies & Equipment Rental			$ 500
Maps/Office Supplies			$ 300
Room & Board ($50 X 3 X 6 days)			$ 900
Assays (69 samples)			$ 1216
Wages: Project Manager:	Prep. Work: 3 day X $ 250		$ 750
	Field Work: 6 day X $ 250		$ 1500
	Post. Work: 2 day X $ 250		$ 500
Assistant :	Field Work: 6 day X $ 150		$ 900
Helper :	Field Work: 6 day X $ 75		$ 450
Camp Mobilization/Demobilization			
Project Manager:	2.2 day X $ 250		$ 550
Assistant :	2 day X $ 150		$ 300
Helper :	2 day X $ 75		$ 150
Report Preparation			$ 1200
		Total:	$10416

B.

WORK PERFORMED BY TECK CORPORATION:
(Portion of Teck work in area applied to the Veegee Group was estimated by Jean Pautler of Teck using a rule of thumb commomly used by the company)

2 Geologists X 6 days X $ 600.00/Day ---------- $ 7200
(includes transporation, accomodation, salaries, assay costs, overhead)

TOTAL WORK DONE $ 17,616

7.0 QUALIFICATIONS OF AUTHOR

The author of this report, Bill McConechy, graduated from B.C.I.T., in Mining Technology, in 1973. He completed a B.Sc. (Honours) in Statistics from S.F.U. in 1978. Since 1972 he has been employed on several exploration crews performing drill logging, surveying, and geological, geochemical, and geophysical surveys for companies such as Canadian Superior Explorations, Hazelton Joint Ventures, and Noranda. He has led several other private exploration ventures, the most notable being 3 km. south of the present Cirque deposit in the Rocky Mountains (Family group of claims, Omenica Mining District, July 28, 1975). This project was aided by the B.C. Propector's Assistance Grant. The author has more recently been employed as a computer specialist for mining applications for Placer Dome and Manalta Coal.

8.0 CONCLUSIONS AND RECOMMENDATIONS

There are two main area of interest indicated by the current program.

1. The 10' wide quartz vein already discussed assayed at 35 ppb gold

2. At 1000 N there is a natural trench running E-W between 800 and 1000 east. Due to the anomolous gold values found there in the soils, it is suspected that this is a fault which has weathered more than the surrounding rock.

There is also some indication of an anomoly to the northwest of the grid, by the pathfinder values.

The above areas would now be best explored using some physical method. This could range from surface exposure of the feature (vein or fault), trenching, or diamond drilling.

In 1990, Creek Side Forest Products of Pemberton will be cutting a logging road along the same side hill as the 4X4 road. This will not only improve the access to the area, but could expose some geology for mapping and, if high enough upslope, could expose a portion of the new quartz vein, and/or the Diorite vein. This new road will therfore be thoroughly explored during and after construction.

The anomolous area identified by Teck Corp. in the northwest, and northeast (Silicon Cirque), both would require fairly long diamond drill holes (with helicopter access) in order to explore the potential of the quartz veins for gols mineralization at depth. This would require a considerable influx of capital. Until that time a program of detailed geophysical studies in these areas could help spot the exact location, direction, and inclination of this expensive option.

9.0 REFERENCES

1973 - Geology of the Pemberton Map Area, by J.A. Roddick & W.W. Hutchison. G.S.C. Paper 73-17

1982 - Prospecting Report for MACS Group, by Bill McConechy

1983 - Preliminary Report on the Gold Exploration Potential of the Anderson Lake Area, By Richard Mazur. B.C. Report #11,749

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1985 - Geologic, Geochemical, and Geophysical Surveys of the Anderson Lake Area, By Hudson Bay Exploration B.C. Report #14,382

1988 - Geological, Geophysical, Geochemical, Diamond Drilling, and Underground Exploration Report on the Standard Ck. Property of Armeno Res. and Trans Atlantic Res., By T.H. Carpenter, Larry R. Haynes. B.C. Report #16,725

1989 - Personal communication with Jean Pautler at Teck Corp. Kamploops, B.C.

APPENDICES

A. Results of Assays from Chemex Labs, Ltd.

B. Contour Maps

C. Results of Assays - Work Done by Teck Corp.

D. Sample Prep. &
Analysis Technique- Work Done by Teck Corp.

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: McCONECHY, BILL **

7147 BRENTWOOD DR.
BRENTWOOD BAY, BC
V0S 1A0

* INVOICE NUMBER I8919829 *

BILLING INFORMATION

Date : 18-JUL-89
Project :
P.O. # : NONE
Account : HPJ

Comments:

Billing : For analysis performed on
Certificate A8919829

Terms : Net payment in 30 Days
1.5% per month (18% per annum)
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

NOTE: New charges for FAXING of data
Effective MAY 22/89, As follows:
$0.50/data page inside N. America
$2.00/data page outside N. America

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
101 -	Au NAA ppb			
13 -	As ppm			
22 -	Sb ppm	63	16.25	1023.75
Sample preparation and other charges :				
201 -	Soil + sediment -80 mesh	56	1.00	56.00
203 -	-35 mesh sieve + ring	6	2.50	15.00
217 -	Geochem - RING ONLY	1	2.50	2.50
			Total Cost $	1097.25
			TOTAL PAYABLE $	1097.25

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: McCONECHY, BILL

7147 BRENTWOOD DR.
BRENTWOOD BAY, BC
V0S 1A0

A8919829

Comments: CC: DAVE McCONECHY

CERTIFICATE A8919829

McCONECHY, BILL
PROJECT :
P O # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 18-JUL-89.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	56	Dry, sieve -80 mesh; soil, sed.
203	6	Dry, sieve -35 mesh and ring
217	1	Geochem:Ring only,no crush/split

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
101	63	Au ppb: Fuse 10 g sample	FA-NAA	1	10000
13	63	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	63	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To McCONECHY, BILL

7147 BRENTWOOD DR.
BRENTWOOD BAY, BC
V0S 1A0

Project :

Comments: CC: DAVE McCONECHY

Date : 18-JUL-89
Invoice # : I-8919829
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8919829

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb	As ppm	Sb ppm
89-1 B	201 --	1	14	0.2
89-2 B	201 --	<1	12	0.2
89-2 C	201 --	<1	10	0.2
89-3 B	201 --	<1	11	0.4
89-4 S	203 --	5	16	0.4
89-5 B	201 --	<1	11	<0.2
89-5 C	201 --	<1	12	<0.2
89-6 B	201 --	<1	10	<0.2
89-6 C	201 --	<1	11	<0.2
89-7 B	201 --	<1	10	0.2
89-7 C	201 --	<1	10	0.2
89-8 B	201 --	<1	9	<0.2
89-9 B	201 --	<1	9	<0.2
89-9 C	201 --	<1	11	<0.2
89-10 B	201 --	<1	7	<0.2
89-11 B	201 --	<1	9	0.2
89-12 B	201 --	<1	9	<0.2
89-12 C	201 --	<1	7	<0.2
89-13 B	201 --	<1	9	<0.2
89-14 B	201 --	1	9	<0.2
89-15 B	201 --	3	11	<0.2
89-15 C	201 --	<1	11	<0.2
89-16 B	201 --	<1	9	<0.2
89-17 B	201 --	<1	14	<0.2
89-17 C	203 --	<1	14	1.4
89-18 S	217 --	<1	32	<0.2
89-19 S	203 --	<1	38	0.2
89-20 B	201 --	<1	24	<0.2
89-21 B	201 --	2	14	0.2
89-21 C	201 --	<1	15	<0.2
89-22 B	201 --	2	10	0.2
89-23 B	201 --	<1	9	<0.2
89-24 B	201 --	<1	10	0.2
89-24 C	203 --	2	11	<0.2
89-25 B	201 --	3	9	<0.2
89-26 B	201 --	2	11	<0.2
89-26 C	203 --	2	11	<0.2
89-27 B	201 --	<1	11	<0.2
89-27 C	203 --	2	9	<0.2
89-28 B	201 --	<1	9	<0.2

CERTIFICATION : Stuart Bichler

Chemex Labs Ltd.
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212 BROOKSBANK AVE., NORTH VANCOUVER
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To McCONECHY, BILL

7147 BRENTWOOD DR.
BRENTWOOD BAY, BC
V0S 1A0

Project
Comments: CC: DAVE McCONECHY

Date : 18-JUL-89
Invoice # : I-8919829
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8919829

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb	As ppm	Sb ppm
89-29 B	201 --	< 1	9	< 0.2
89-30 B	201 --	< 1	11	< 0.2
89-30 C	201 --	< 1	10	0.2
89-31 B	201 --	< 1	15	< 0.2
89-31 C	201 --	< 1	19	0.2
89-32 B	201 --	< 1	10	< 0.2
89-33 B	201 --	< 1	9	< 0.2
89-33 C	201 --	< 1	9	< 0.2
89-34 B	201 --	1	10	< 0.2
89-34 C	201 --	2	12	0.2
89-35 B	201 --	< 1	9	< 0.2
89-36 B	201 --	1	12	< 0.2
89-36 C	201 --	< 1	11	< 0.2
89-37 B	201 --	< 1	11	< 0.2
89-37 C	201 --	< 1	15	0.2
89-38 B	201 --	< 1	10	< 0.2
89-38 C	201 --	< 1	6	0.2
89-39-B	201 --	< 1	9	< 0.2
89-40 B	201 --	2	225	0.2
89-40 C	201 --	< 1	12	< 0.2
89-41 S	201 --	1	20	0.2
89-46 B	201 --	2	9	< 0.2
89-47 C	201 --	8	15	1.2

CERTIFICATION : Stewart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: McCONECHY, BILL **

7147 BRENTWOOD DR.
BRENTWOOD BAY, BC
V0S 1A0

* INVOICE NUMBER I8919832 *

BILLING INFORMATION

Date : 17-JUL-89
Project :
P.O. # : NONE
Account : HPJ

Comments:

Billing : For analysis performed on
Certificate A8919832

Terms : Net payment in 30 Days
1.5% per month (18% per annum)
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

NOTE: New charges for FAXING of data
Effective MAY 22/89, As follows:
$0.50/data page inside N. America
$2.00/data page outside N. America

CHEMEX CODE	ANALYSIS DESCRIPTION		SAMPLES ANALYZED	UNIT PRICE	AMOUNT
100 -	Au ppb	FA+AA			
13 -	As	ppm			
22 -	Sb	ppm	6	16.00	96.00
Sample preparation and other charges :					
205 -	Rock Geochem - RING		6	3.75	22.50
				Total Cost $	118.50
				TOTAL PAYABLE $	118.50

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: McCONECHY, BILL

7147 BRENTWOOD DR.
BRENTWOOD BAY, BC
V0S 1A0

A8919832

Comments: CC: DAVE McCONECHY

CERTIFICATE A8919832

McCONECHY, BILL
PROJECT :
P.O # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-JUL-89.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	6	Rock Geochem: Crush,split,ring

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	6	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
13	6	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	6	Sb ppm: HCl-KClO3 digest. extrac	AAS-BKGD CORR	0.2	1000

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : McCONECHY, BILL

7147 BRENTWOOD DR.
BRENTWOOD BAY, BC
V0S 1A0

Project :
Comments: CC: DAVE McCONECHY

**Page No. : 1
Tot. Pages: 1
Date : 17-JUL-89
Invoice # : I-8919832
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8919832

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	As ppm	Sb ppm
89-R1	205	< 5	9	1.8
89-R2	205	< 5	6	0.4
89-R3	205	< 5	7	0.4
89-R5	205	35	7	0.4
89-R6	205	< 5	6	0.2
89-R7	205	< 5	9	0.4

CERTIFICATION : Bichler

1989 PROJECT - MAC 2 Claims B-HORIZON SOIL SAMPLES

GOLD (P.P.B.) CONTOURS

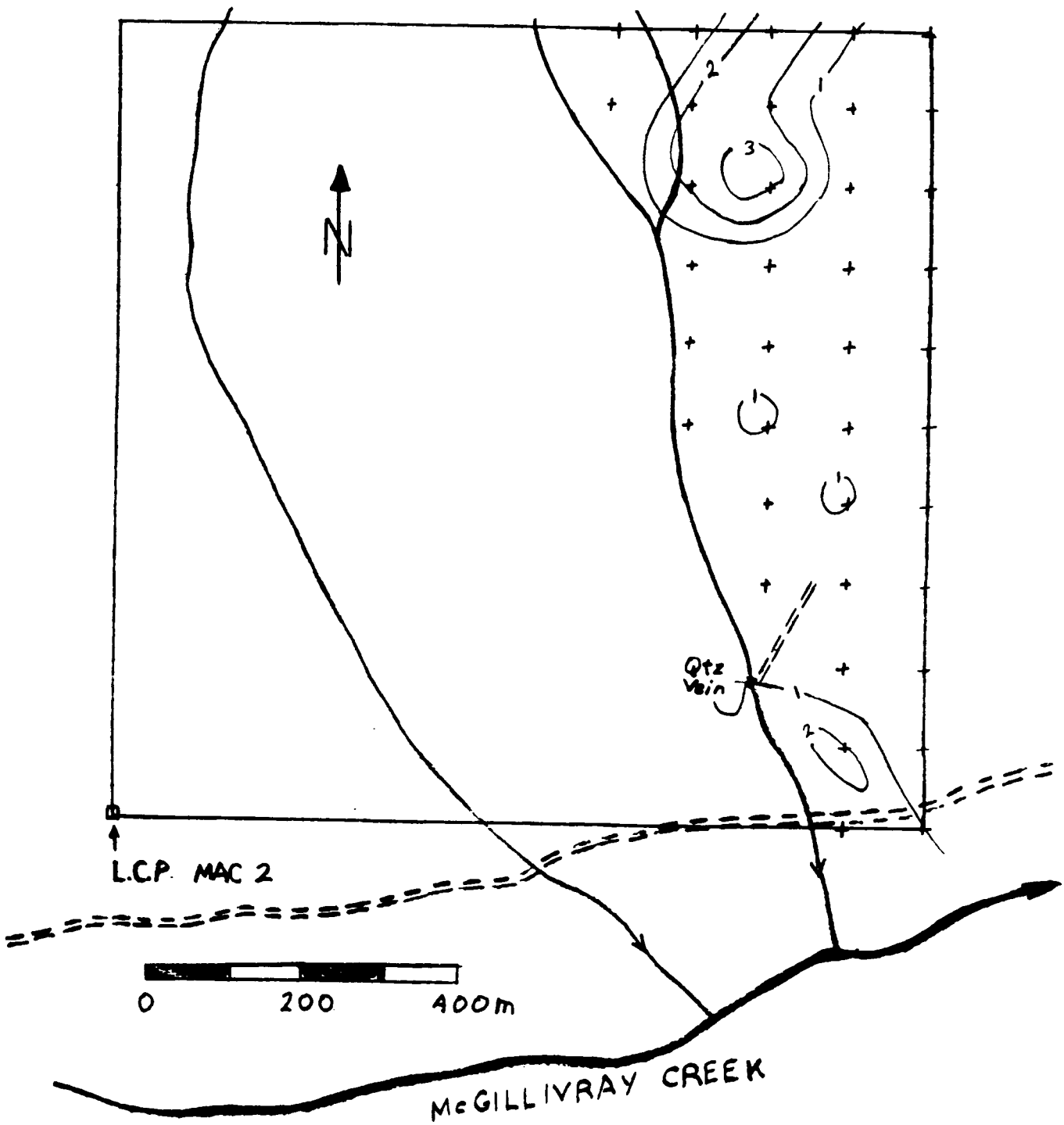

Figure : B.1.1

1989 PROJECT - MAC 2 Claims B-HORIZON SOIL SAMPLES

ARSENIC (P.P.M.) CONTOURS

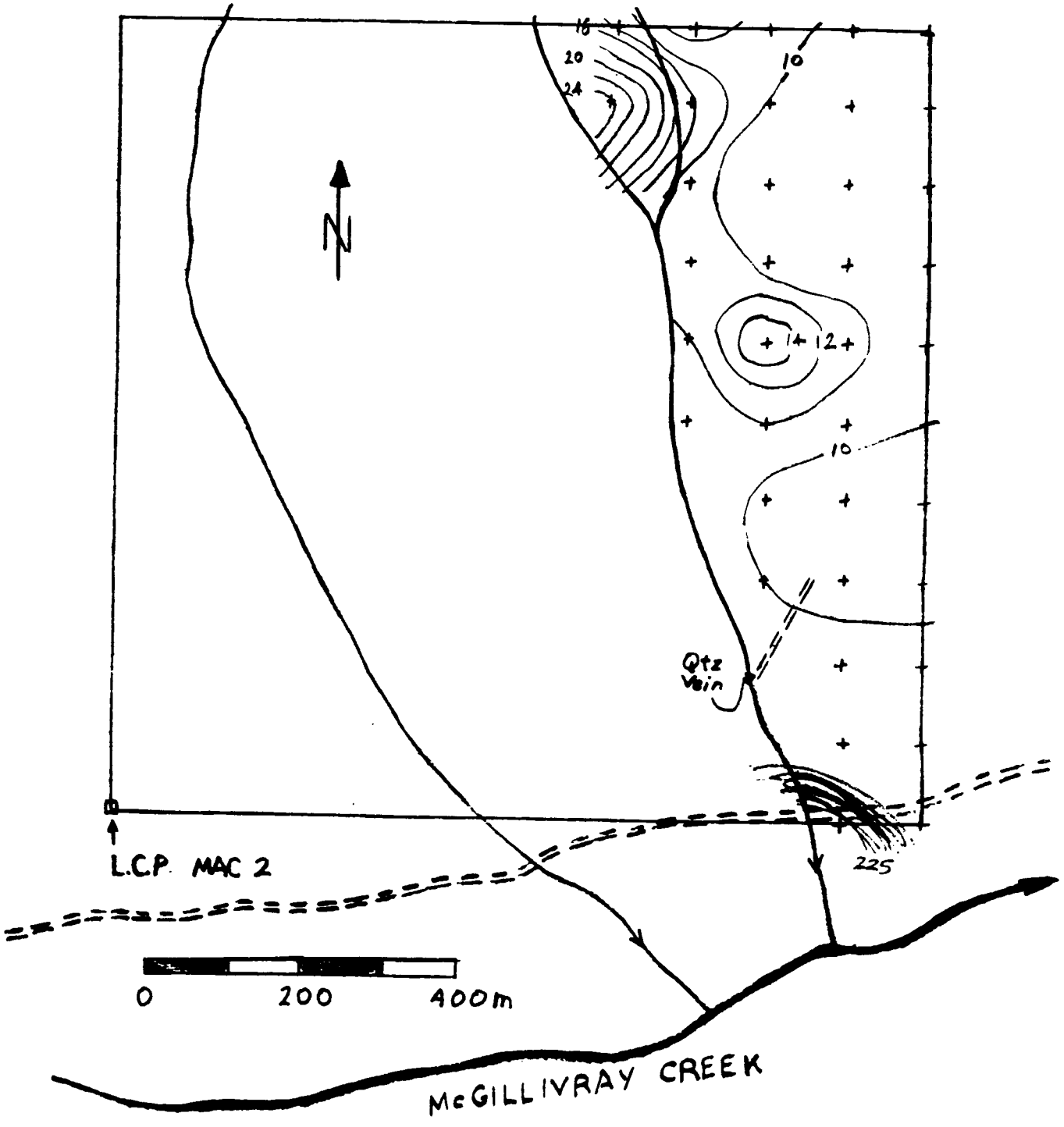

Figure : B.1.2

1989 PROJECT - MAC 2 Claims B-HORIZON SOIL SAMPLES

ANTIMONY (P.P.M.) CONTOURS

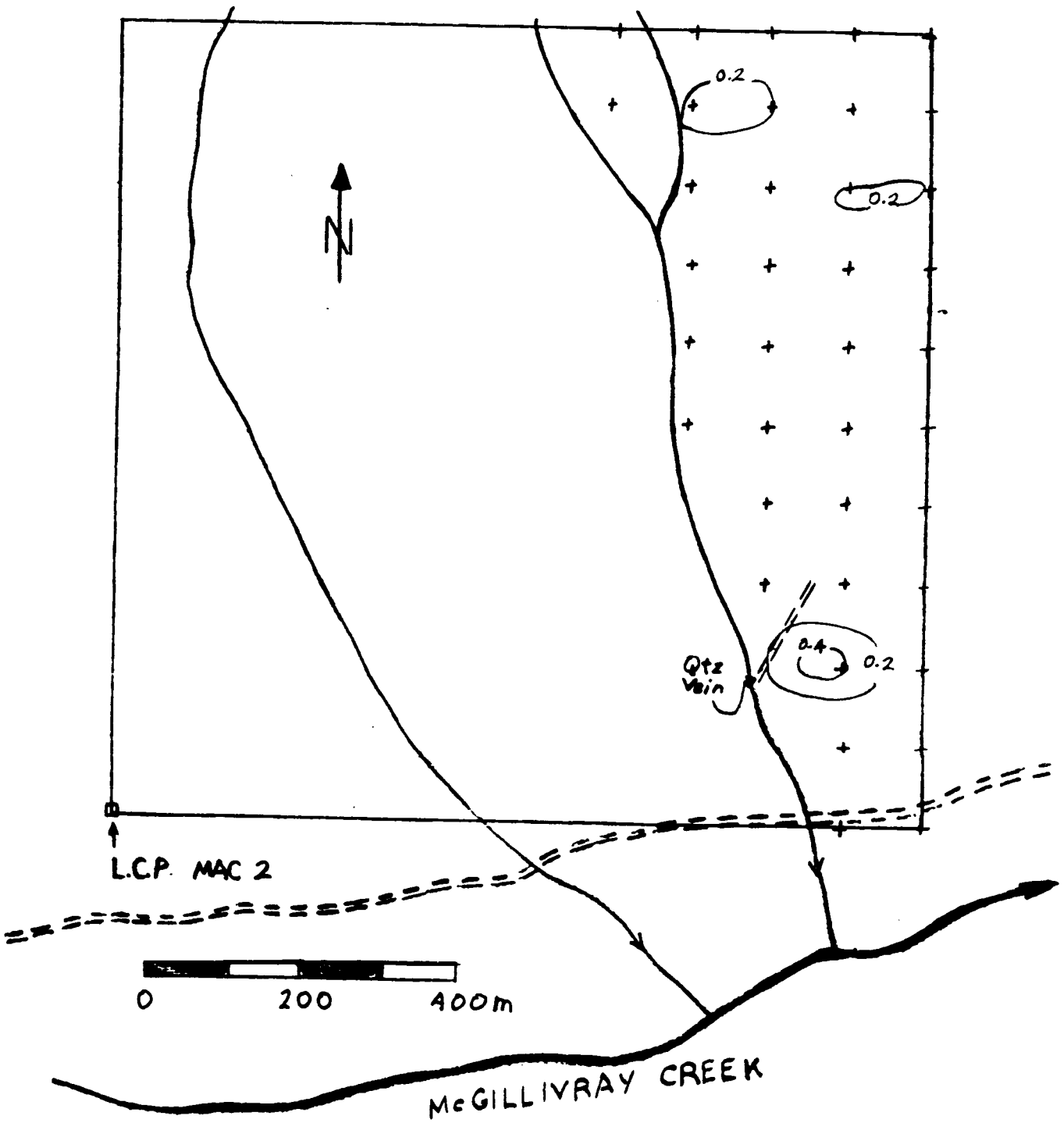

Figure : B.1.3

1989 PROJECT - MAC 2 Claims C-HORIZON SOIL SAMPLES

GOLD (P.P.B.) CONTOURS

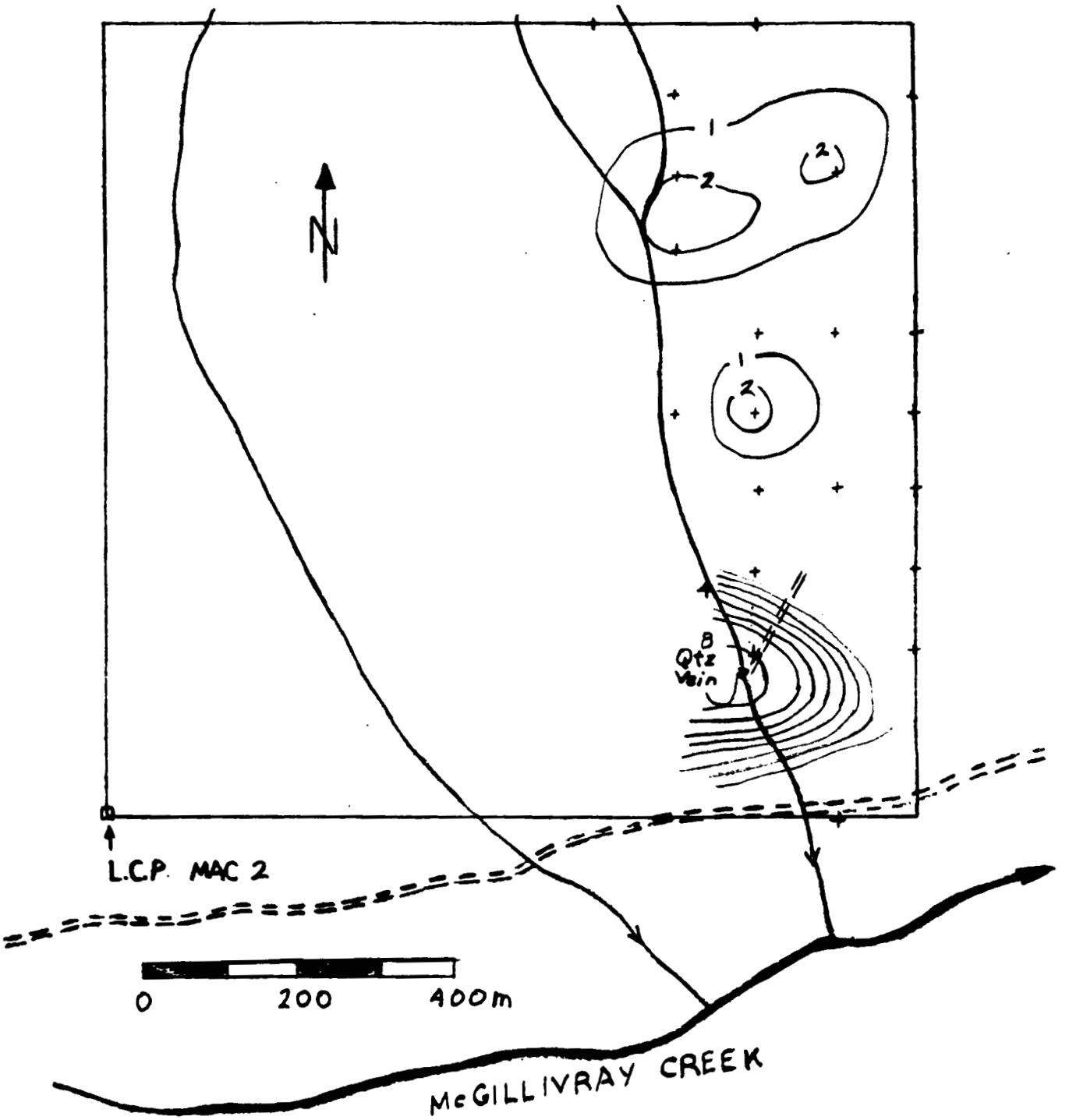

Figure : B.2.1

1989 PROJECT - MAC 2 Claims C-HORIZON SOIL SAMPLES

ARSENIC (P.P.M.) CONTOURS

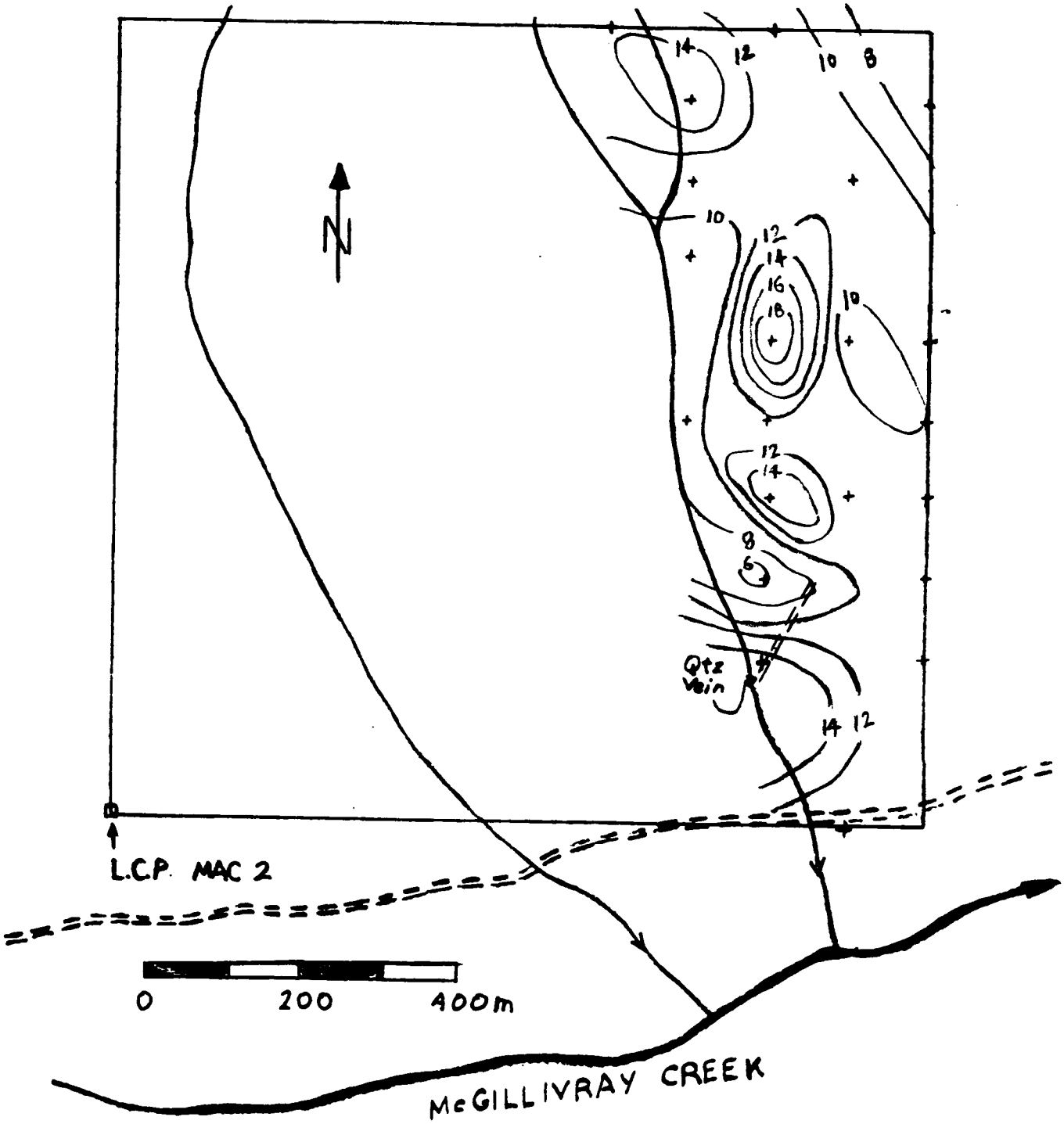

Figure : B.2.2

1989 PROJECT - MAC 2 Claims C-HORIZON SOIL SAMPLES

ANTIMONY (P.P.M.) CONTOURS

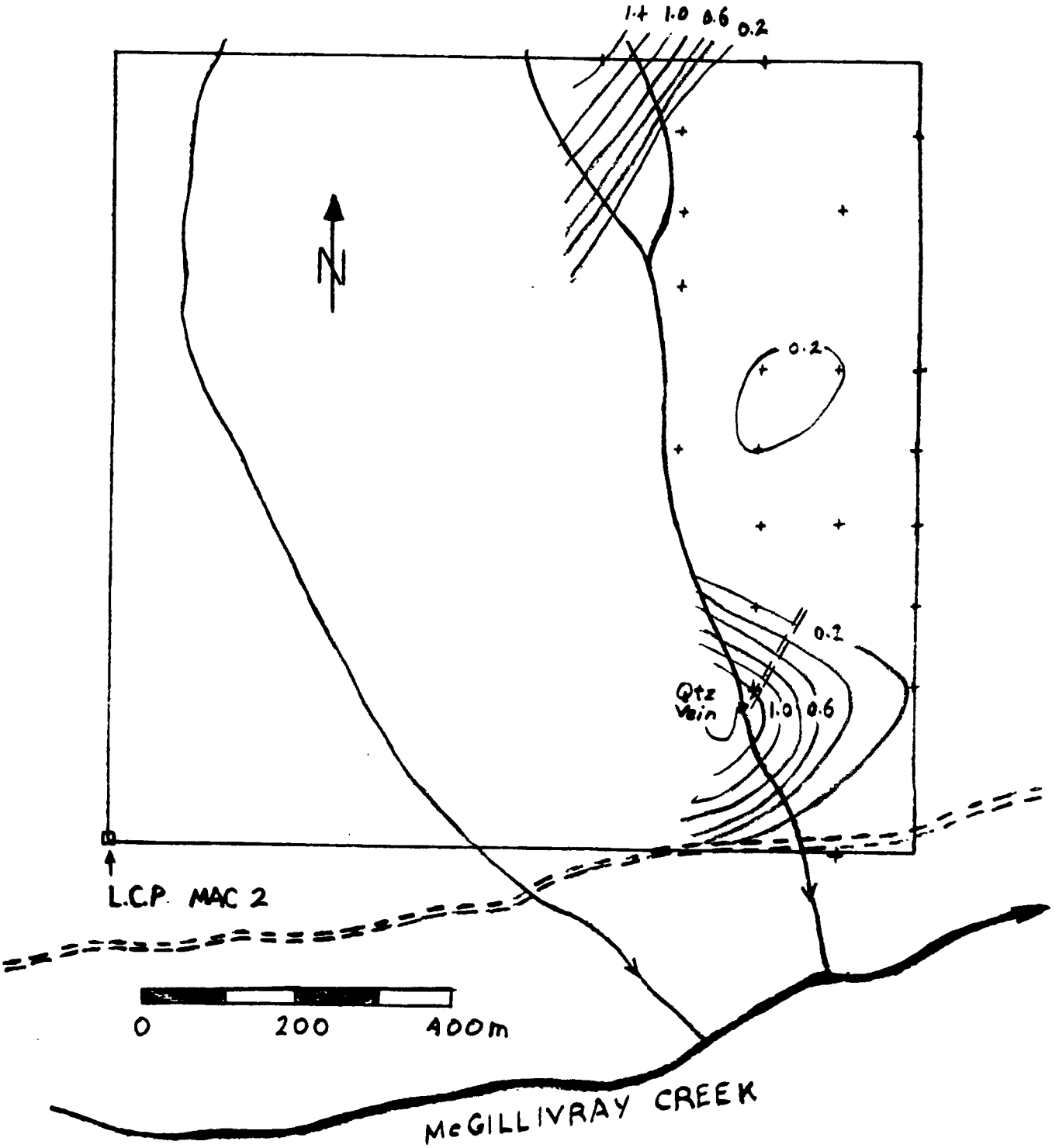

Figure : B.2.3

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 18, 1989

CERTIFICATE OF ANALYSIS ETK 89-517

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 27 ROCK samples received July 31, 1989
PROJECT: 1366
SHIPMENT NO: 8

ET#	Description	AU (ppb)	HG (ppm)
517 - 1	24146 Mac	25	15
517 - 2	24147	<5	30
517 - 3	24148	15	75
517 - 4	24149	5	30
517 - 5	24150	10	40
517 - 6	24154	<5	45
517 - 7	24155	60	40
517 - 8	24158	<5	45
517 - 9	24159	35	740
517 - 10	24161	<5	45
517 - 11	24162	10	20
517 - 12	24163	25	30
517 - 13	24164	<5	50
517 - 14	24165	<5	50
517 - 15	24166	<5	40
517 - 16	24167	10	15
517 - 17	24168	20	25
517 - 18	24170	10	10
517 - 19	24172 MAC	15	20
517 - 20	24173	<5	25
517 - 21	24174	15	20
517 - 22	24175	10	20
517 - 23	24176	30	10
517 - 24	24177	175	15
517 - 25	24178	10	45
517 - 26	24181	20	135
517 - 27	24183	50	55

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

cc: JEAN PAUTLER
C/O PEMBERTON HELICOPTERS
BOX 579 PEMBERTON, B.C.
V0N 2L0
SC89/TECK3

Eco-Tech Laboratories Ltd.
10041 E. Trans Canada Hwy.
Kamloops, B.C.
V2C 2J3
August 28, 1989

TECK EXPLORATIONS LTD.
960, 175 Second Avenue
Kamloops, B.C.
V2C 5W1
ATTN: Fred Daley

CERTIFICATE OF ANALYSIS ETK 89-517A
27 Rock Samples, received July 31/89
Project #1366
Shipment #8
All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y
517.1	24146	0.5	1.16	35	9	20	< 5	2.51	1	45	70	372	8.46	0.05	42	0.20	754	< 1	0.03	97	7363	57	56	< 20	155	0.03	< 10	17	< 10	41
517.2	24147	0.2	0.04	43	11	< 5	8	0.85	2	4	219	10	0.66	0.01	< 10	0.02	104	15	<.01	7	99	13	17	< 20	4	<.01	< 10	2	< 10	1
517.3	24148	2.4	0.15	332	9	< 5	< 5	0.33	< 1	2	139	31	0.46	0.07	< 10	0.01	78	10	0.02	3	58	35	11	< 20	16	<.01	< 10	< 1	< 10	1
517.4	24149	<.2	0.11	19	10	< 5	< 5	3.31	< 1	3	234	6	0.78	0.01	< 10	0.67	236	9	<.01	23	59	35	33	< 20	20	<.01	< 10	1	< 10	< 1
517.5	24150	0.9	1.47	267	5	7	< 5	7.63	< 1	32	327	87	2.95	0.02	11	6.03	733	< 1	<.01	267	< 10	68	72	< 20	147	<.01	< 10	29	< 10	< 1
517.6	24154	<.2	0.05	117	11	< 5	< 5	0.12	< 1	4	326	6	1.14	0.02	< 10	0.07	80	13	<.01	35	13	35	15	< 20	2	<.01	< 10	2	< 10	< 1
517.7	24155	<.2	0.06	52	11	< 5	< 5	5.99	1	2	171	3	0.75	<.01	< 10	0.28	294	8	<.01	6	< 10	22	24	< 20	8	<.01	< 10	3	< 10	< 1
517.8	24158	<.2	0.19	83	6	< 5	< 5	12.56	2	10	59	3	1.65	0.07	< 10	1.47	721	1	<.01	23	61	42	45	< 20	43	<.01	< 10	5	782	< 1
517.9	24159	21.9	0.22	361	9	< 5	< 5	2.31	52	4	196	77	1.98	0.01	< 10	0.25	139	7	<.01	13	< 10	6854	31	< 20	21	<.01	< 10	1	489	< 1
517.10	24161	1.0	0.07	201	10	< 5	< 5	2.75	1	9	238	11	0.67	0.03	< 10	0.11	179	16	<.01	23	< 10	108	18	< 20	7	<.01	< 10	2	17	< 1
517.11	24162	2.4	0.03	28	11	< 5	< 5	2.69	1	3	216	9	0.65	0.01	< 10	0.32	233	9	<.01	10	< 10	61	29	< 20	13	<.01	< 10	2	15	< 1
517.12	24163	0.5	0.09	213	9	< 5	< 5	2.11	< 1	14	188	6	2.47	0.07	< 10	0.14	264	11	<.01	21	< 10	58	27	< 20	12	<.01	< 10	4	< 10	< 1
517.13	24164	0.8	0.04	79	12	< 5	< 5	0.09	2	2	205	5	0.84	0.02	< 10	0.01	75	9	<.01	5	12	22	10	< 20	2	<.01	< 10	2	< 10	< 1
517.14	24165	<.2	0.01	21	11	< 5	< 5	0.90	< 1	1	253	4	0.57	<.01	< 10	0.13	144	17	<.01	4	< 10	16	17	< 20	6	<.01	< 10	2	< 10	< 1
517.15	24166	<.2	0.04	29	10	< 5	< 5	1.20	< 1	3	272	3	0.43	0.03	< 10	0.02	93	11	<.01	7	< 10	27	12	< 20	3	<.01	< 10	2	< 10	< 1
517.16	24167	0.2	0.16	180	10	< 5	< 5	4.63	< 1	5	187	4	0.81	0.03	< 10	0.27	315	11	<.01	11	< 10	21	23	< 20	16	<.01	< 10	5	< 10	< 1
517.17	24168	0.4	0.78	625	6	< 5	7	12.06	< 1	33	93	19	3.33	0.09	< 10	2.43	597	< 1	<.01	89	< 10	53	62	< 20	95	<.01	< 10	17	< 10	< 1
517.18	24170	<.2	0.32	50	7	< 5	6	>15.00	2	7	62	12	0.74	0.02	< 10	0.59	548	3	<.01	24	83	34	29	< 20	119	<.01	< 10	4	< 10	< 1
517.19	24172	0.9	0.09	270	10	< 5	5	2.36	< 1	5	187	5	1.48	0.01	< 10	0.08	219	7	<.01	16	< 10	16	21	< 20	4	<.01	< 10	12	< 10	< 1
517.20	24173	1.6	0.05	69	12	< 5	< 5	0.31	2	2	240	6	0.52	<.01	< 10	0.04	84	16	<.01	6	< 10	10	14	< 20	< 1	<.01	< 10	3	< 10	< 1

TECK EXPLORATIONS LTD.
ETK 89-517A
Page 2
August 28, 1989

ETK	DESCRIPTION	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y	Zn
517.21	24174	<.2	0.02	46	10	< 5	< 5	0.68	1	2	252	3	0.45	<.01	< 10	0.01	78	17	<.01	45	< 10	10	11	< 20	2	<.01	< 10	1	< 10	< 1	17
517.22	24175	<.2	0.07	6	10	< 5	< 5	1.57	< 1	1	302	6	0.44	0.02	< 10	0.08	91	21	<.01	11	15	12	14	< 20	16	<.01	< 10	2	240	< 1	3
517.23	24176	0.3	0.06	1163	10	< 5	< 5	2.73	< 1	3	258	6	0.93	0.03	< 10	0.59	243	18	<.01	9	< 10	22	33	< 20	34	<.01	< 10	5	< 10	< 1	7
517.24	24177	0.5	0.15	3334	9	< 5	8	9.02	< 1	11	99	11	2.65	0.08	< 10	3.00	790	3	<.01	19	< 10	49	66	< 20	210	<.01	< 10	14	< 10	< 1	9
517.25	24178	1.5	0.69	471	5	< 5	9	10.04	< 1	30	61	52	2.79	0.14	< 10	3.18	582	< 1	<.01	158	39	50	71	< 20	122	<.01	< 10	5	< 10	< 1	12
517.26	24181	74.9	0.04	254	12	< 5	< 5	0.19	1	5	263	106	0.82	0.02	< 10	0.05	121	15	<.01	7	16	35	101	< 20	3	<.01	< 10	3	10	< 1	41
517.27	24183	17.4	0.25	5526	7	23	7	5.36	1	60	17	90	8.99	0.19	26	2.65	1053	< 1	<.01	57	33	65	141	< 20	168	<.01	10	48	< 10	< 1	67

NOTE: > = Greater than
< = Less than

Jean Pautler

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

[redacted]

ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 18, 1989

CERTIFICATE OF ANALYSIS ETK 89-513

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 36 ROCK samples received July 31, 1989
PROJECT: 1366
SHIPMENT NO: 8

ET#	Description	AU (g/t)	AU (oz/t)	HG (ppb)	HG (ppm)
513 - 1	24151	<.03*	<.001	80	
513 - 2	24152	<.03*	<.001	<5	
513 - 3	24153	<.03*	<.001	10	
513 - 4	24156	<.03*	<.001	320	
513 - 5	24157	.07*	.002	>1000	2.5
513 - 6	24160	.08*	.002	>1000	1.9
513 - 7	24169	<.03*	<.001	90	
513 - 8	24171	<.03*	<.001	25	
513 - 9	24179	.03*	.001	25	
513 - 10	24180	.03*	.001	20	
513 - 11	24182	<.03*	<.001	745	
513 - 12	24184	.03*	.001	>1000	2.3
513 - 13	24187	<.03*	<.001	60	
513 - 14	24188	<.03*	<.001	110	
513 - 15	24195	<.03*	<.001	10	
513 - 16	24196	.04*	.001	10	
513 - 17	24376	.05*	.001	155	
513 - 18	24377	.11*	.003	55	
513 - 19	24378	.04*	.001	15	
513 - 20	24379	.06*	.002	40	
513 - 21	24380	<.03*	<.001	40	
513 - 22	24381	.04*	.001	20	

Eco-Tech Laboratories Ltd.
10041 E. Trans Canada Hwy.
Kamloops, B.C.
V2C 2J3
August 23, 1989

TECK EXPLORATIONS LTD.
960, 175 Second Avenue
Kamloops, B.C.
V2C 5W1
ATTN: Fred Bailey

CERTIFICATE OF ANALYSIS ETK 89-513A
36 Rock Samples, received July 31/89
Project 81366
Shipment 88
All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y
513.1	24151	<.2	0.03	27	9	< 5	< 5	0.21	< 1	4	162	3	0.35	0.02	< 10	0.09	61	6	<.01	20	< D	< 2	8	< 20	4	<.01	< 10	1	< 10	< 1
513.2	24152	<.2	0.21	76	6	9	5	6.42	2	7	88	2	1.83	0.14	< 10	2.99	472	4	<.01	26	< D	20	54	< 20	147	<.01	< 10	4	< 10	< 1
513.3	24153	<.2	0.14	52	6	7	< 5	6.31	1	8	92	3	1.90	0.10	< 10	2.94	473	5	<.01	29	< D	20	50	< 20	155	<.01	< 10	3	< 10	< 1
513.4	24156	22.1	0.04	214	10	< 5	6	0.12	13	2	87	94	1.75	0.01	< 10	0.04	29	7	<.01	4	< D	4370	31	< 20	1	<.01	< 10	2	< 10	< 1
513.5	24157	>200.0	0.06	388	10	< 5	35	0.01	40	3	234	24	2.18	0.03	< 10	0.02	25	18	<.01	4	< D	>10000	314	< 20	9	<.01	< 10	2	15	< 1
513.6	24160	98.0	0.04	485	10	< 5	6	1.24	57	4	224	15	2.38	<.01	< 10	0.04	76	14	<.01	6	< D	>10000	81	< 20	4	<.01	< 10	< 1	41	< 1
513.7	24169	5.0	0.07	35	10	< 5	< 5	4.26	1	3	182	12	0.62	0.01	< 10	0.11	222	12	<.01	6	< D	387	19	< 20	16	<.01	< 10	4	< 10	< 1
513.8	24171	<.2	0.26	7	13	< 5	< 5	1.13	< 1	4	158	15	0.42	<.01	< 10	0.21	61	10	<.01	7	< D	38	10	< 20	5	<.01	< 10	3	< 10	< 1
513.9	24179	3.6	<.01	28	14	< 5	8	0.03	1	1	225	6	0.37	<.01	< 10	<.01	43	14	<.01	< 1	< D	47	10	< 20	< 1	<.01	< 10	2	< 10	< 1
513.10	24180	1.0	<.01	47	13	< 5	< 5	<.01	1	1	239	5	0.34	<.01	< 10	<.01	25	16	<.01	< 1	< D	11	7	< 20	< 1	<.01	< 10	1	< 10	< 1
513.11	24182	26.8	0.03	243	12	< 5	< 5	0.32	27	5	285	17	1.73	0.02	< 10	0.02	94	20	<.01	5	< D	3967	33	< 20	< 1	<.01	< 10	4	26	< 1
513.12	24184	>200.0	<.01	762	11	< 5	< 5	0.01	42	< 1	170	4798	0.57	<.01	< 10	<.01	73	17	<.01	1	52	2373	4048	< 20	< 1	<.01	< 10	< 1	< 10	< 1
513.13	24187	17.8	0.03	119	13	< 5	< 5	0.30	1	3	182	38	0.79	0.02	< 10	<.01	107	14	<.01	2	< D	51	45	< 20	< 1	<.01	< 10	2	< 10	< 1
513.14	24188	28.1	0.02	55	11	< 5	15	1.62	6	3	173	9	0.70	0.02	< 10	0.04	134	11	<.01	4	< D	1835	24	< 20	44	<.01	< 10	2	346	< 1
513.15	24195	0.6	0.02	23	13	< 5	< 5	0.27	< 1	2	192	4	0.49	<.01	< 10	0.01	79	12	<.01	2	< D	11	5	< 20	< 1	<.01	< 10	2	34	< 1
513.16	24196	<.2	0.02	99	13	< 5	7	0.60	< 1	2	174	3	0.42	0.01	< 10	<.01	86	12	<.01	1	< D	< 2	11	< 20	< 1	<.01	< 10	2	< 10	< 1
513.17	24376	17.8	0.06	577	11	8	19	<.01	6	6	151	60	4.89	0.03	< 10	0.01	94	11	0.02	< 1	D	3500	24	< 20	6	<.01	12	18	< 10	< 1
513.18	24377	0.6	<.01	116	13	< 5	6	<.01	2	1	178	7	0.76	<.01	< 10	<.01	46	12	<.01	< 1	< D	68	6	< 20	< 1	<.01	< 10	3	< 10	< 1
513.19	24378	0.6	0.04	86	13	< 5	< 5	0.01	3	2	177	10	0.82	0.02	< 10	0.02	89	12	<.01	1	< D	159	8	< 20	< 1	<.01	< 10	15	< 10	< 1
513.20	24379	0.4	0.02	108	13	< 5	< 5	<.01	1	2	175	4	1.20	<.01	< 10	<.01	47	14	<.01	2	< D	209	6	< 20	< 1	<.01	< 10	12	< 10	< 1

TECK EXPLORATIONS LTD.
ETK 89-513A
Page 2
August 23, 1989

ETK	DESCRIPTION	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y	Zn
513.21	24380	0.7	0.09	343	12	10	< 5	<.01	2	9	141	9	3.22	0.04	< 10	0.02	353	12	<.01	12	35	86	24	< 20	< 1	<.01	< 10	20	< 10	< 1	50
513.22	24381	<.2	0.09	121	11	7	< 5	0.26	< 1	9	151	9	2.09	0.06	< 10	0.05	550	9	<.01	13	190	27	15	< 20	8	<.01	< 10	10	< 10	2	12
513.23	24393	>200.0	0.02	383	13	< 5	< 5	0.04	20	1	169	1589	0.93	0.01	< 10	<.01	47	11	<.01	1	163	888	2649	< 20	< 1	<.01	< 10	1	< 10	< 1	325
513.24	24394	136.1	0.03	53	13	< 5	< 5	<.01	2	< 1	161	83	0.37	0.02	< 10	<.01	15	11	<.01	< 1	< 10	71	290	< 20	< 1	<.01	< 10	2	< 10	< 1	19
513.25	24395	2.8	0.65	203	9	7	9	1.42	< 1	22	135	24	4.55	0.09	< 10	0.73	382	5	<.01	21	34	14	46	< 20	16	<.01	< 10	37	< 10	< 1	18
513.26	24396	0.8	2.12	1097	9	12	< 5	3.61	< 1	31	35	62	6.07	0.13	< 10	1.83	911	< 1	0.05	43	< 10	32	73	< 20	74	0.02	< 10	92	< 10	< 1	34
513.27	24398	<.2	2.03	6	9	10	< 5	1.10	< 1	72	4	316	9.15	<.01	.2	1.09	407	< 1	0.08	18	18	21	65	< 20	23	0.16	13	223	< 10	< 1	36
513.28	24400	0.7	0.03	21	12	< 5	< 5	0.41	< 1	2	165	4	0.41	0.01	< 10	0.01	80	10	<.01	< 1	< 10	< 2	7	< 20	< 1	<.01	< 10	4	< 10	< 1	6
513.29	24522	0.4	0.02	125	12	< 5	6	2.19	< 1	7	164	3	0.77	<.01	< 10	0.53	186	8	<.01	111	< 10	9	29	< 20	73	<.01	< 10	2	< 10	< 1	3
513.30	24523	0.3	0.01	14	12	< 5	< 5	0.02	< 1	2	169	3	0.28	0.01	< 10	<.01	36	11	<.01	7	< 10	< 2	8	< 20	< 1	<.01	< 10	< 1	< 10	< 1	< 1
513.31	24525	<.2	0.02	7	15	< 5	< 5	<.01	3	2	197	3	0.26	<.01	< 10	<.01	45	23	<.01	61	< 10	< 2	< 5	< 20	< 1	<.01	< 10	< 1	< 10	< 1	1
513.32	24526	0.3	<.01	30	15	< 5	6	<.01	2	1	196	3	0.37	<.01	< 10	<.01	39	14	<.01	3	< 10	< 2	6	< 20	< 1	<.01	< 10	< 1	< 10	< 1	2
513.33	24531	<.2	0.03	24	12	< 5	< 5	<.01	1	3	169	3	0.43	0.02	< 10	<.01	38	11	<.01	6	< 10	4	< 5	< 20	< 1	<.01	< 10	1	< 10	< 1	2
513.34	24532	0.4	0.03	19	13	< 5	< 5	<.01	< 1	3	160	4	0.41	0.02	< 10	<.01	52	10	<.01	8	< 10	4	< 5	< 20	< 1	<.01	< 10	1	< 10	< 1	3
513.35	24534	0.9	0.05	32	11	< 5	< 5	0.52	< 1	2	144	16	0.59	0.02	< 10	0.05	130	9	<.01	6	< 10	< 2	9	< 20	< 1	<.01	< 10	2	< 10	< 1	3
513.36	24593	>200.0	0.01	261	12	< 5	< 5	0.17	29	< 1	166	2944	0.42	<.01	< 10	<.01	40	16	<.01	< 1	318	672	1825	< 20	< 1	<.01	< 10	1	25	< 1	1221

NOTE: > = Greater than
< = Less than

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 10, 1989

CERTIFICATE OF ANALYSIS ETK 89-519

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 24 ROCK samples received July 31, 1989
PROJECT: 1366
SHIPMENT NO: 8

ET#	Description	AU (ppb)	HG (ppb)
519 - 1	24382	45	15
519 - 2	24383	10	10
519 - 3	24384	<5	5
519 - 4	24385	10	5
519 - 5	24386	<5	15
519 - 6	24387	5	<5
519 - 7	24388	15	<5
519 - 8	24389	5	<5
519 - 9	24390	15	<5
519 - 10	24391	10	<5
519 - 11	24392	15	<5
519 - 12	24396	10	5
519 - 13	24397	5	5
519 - 14	24399	<5	5
519 - 15	24585	<5	<5
519 - 16	24587	45	15
519 - 17	24588	55	10
519 - 18	24589	175	5
519 - 19	24590	20	165
519 - 20	24591	10	15
519 - 21	24592	15	10
519 - 22	24594	14	310
519 - 23	24595	15	5
519 - 24	24597	15	5

NOTE: < = less than

SC89/TECK1
cc: JEAN PAUTLER
C/O PEMBERTON HELICOPTERS
BOX 579 PEMBERTON, B.C.
V0N 2L0

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

Eco-Tech Laboratories Ltd.
10041 E. Trans Canada Hwy.
Kamloops, B.C.
V2C 2J3
September 22, 1989

TECK EXPLORATIONS LTD.
960, 175 Second Avenue
Kamloops, B.C.
V2C 5W1
ATTN: Fred Baley

CERTIFICATE OF ANALYSIS ETK 89-519A
24 Rock Samples, received July 31/89
Project 01366
Shipment 08
All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y	Zn
519.1	24382	<.2	0.05	< 5	10	9	< 5	0.11	< 1	6	250	39	0.64	0.03	< 10	0.06	74	128	<.01	13	69	7	< 5	< 20	2	<.01	< 10	4	< 10	3	4
519.2	24383	0.3	0.14	23	7	21	< 5	0.08	< 1	4	171	39	0.77	0.09	< 10	0.04	108	14	0.01	2	259	26	< 5	< 20	3	<.01	< 10	4	< 10	2	25
519.3	24384	<.2	0.06	8	7	8	< 5	0.03	< 1	3	305	37	0.83	0.03	< 10	0.03	85	23	<.01	5	79	7	< 5	< 20	1	<.01	< 10	4	< 10	< 1	7
519.4	24385	0.2	<.01	< 5	8	< 5	26	0.35	< 1	2	274	17	0.45	<.01	< 10	0.16	113	17	<.01	6	10	14	5	< 20	36	<.01	< 10	1	< 10	< 1	2
519.5	24386	<.2	0.09	< 5	8	36	< 5	<.01	< 1	1	135	2	0.35	0.07	< 10	0.01	63	10	0.02	3	10	6	< 5	< 20	4	<.01	< 10	2	< 10	< 1	3
519.6	24387	<.2	0.36	18	9	26	< 5	0.15	< 1	5	118	11	0.68	0.14	< 10	0.20	168	6	0.02	6	138	19	< 5	< 20	4	0.02	< 10	11	< 10	2	7
519.7	24388	0.2	0.12	6	9	58	< 5	0.71	< 1	5	134	59	2.46	0.05	13	0.05	1087	9	0.01	9	934	13	< 5	< 20	40	0.02	< 10	15	< 10	3	4
519.8	24389	<.2	0.15	14	8	7	< 5	0.06	< 1	3	107	22	0.59	0.06	< 10	0.05	130	7	0.02	4	47	17	< 5	< 20	2	0.01	< 10	5	< 10	1	2
519.9	24390	<.2	0.03	< 5	8	7	< 5	0.05	< 1	27	206	59	4.76	0.03	11	0.04	217	13	<.01	49	123	22	< 5	< 20	4	0.02	< 10	8	< 10	< 1	5
519.10	24391	<.2	0.03	9	8	< 5	< 5	0.33	< 1	4	127	30	1.28	<.01	< 10	0.03	485	7	<.01	10	573	7	< 5	< 20	6	<.01	< 10	5	< 10	1	6
519.11	24392	<.2	1.64	33	3	< 5	< 5	6.66	< 1	34	35	1983	0.84	0.05	< 10	0.58	313	1	0.03	66	156	36	< 5	< 20	41	<.01	< 10	11	< 10	< 1	29
519.12	24396	0.8	0.44	1194	6	9	< 5	5.48	< 1	34	55	116	4.46	0.10	11	2.40	814	< 1	<.01	37	134	35	< 5	< 20	147	<.01	< 10	26	< 10	< 1	21
519.13	24397	0.5	0.06	797	7	< 5	< 5	1.51	< 1	6	191	23	1.16	0.03	< 10	0.24	288	12	<.01	13	< 10	12	5	< 20	17	<.01	< 10	3	< 10	< 1	2
519.14	24399	<.2	0.02	63	9	< 5	< 5	0.07	1	3	247	10	0.48	0.01	< 10	<.01	76	15	<.01	6	< 10	15	< 5	< 20	1	<.01	< 10	1	< 10	< 1	< 1
519.15	24585	<.2	0.18	20	7	< 5	< 5	0.26	< 1	4	177	20	0.63	<.01	< 10	0.08	147	12	0.01	5	23	6	< 5	< 20	3	<.01	< 10	7	< 10	< 1	< 1
519.16	24587	1.0	0.33	825	8	8	< 5	8.59	< 1	37	20	67	5.58	0.11	15	2.87	1161	< 1	<.01	27	< 10	38	50	< 20	189	<.01	< 10	94	< 10	< 1	40
519.17	24588	0.7	0.74	1584	8	8	< 5	8.36	< 1	35	25	63	6.11	0.10	16	2.96	983	< 1	<.01	29	< 10	42	55	< 20	192	<.01	< 10	110	< 10	< 1	39
519.18	24589	0.3	0.05	3387	8	< 5	< 5	3.17	< 1	9	114	9	1.96	0.03	< 10	0.78	485	5	<.01	6	< 10	20	10	< 20	48	<.01	< 10	12	< 10	< 1	8
519.19	24590	34.6	0.27	222	7	< 5	< 5	1.09	< 1	11	250	38	1.60	0.05	< 10	0.63	308	12	<.01	22	14	52	20	< 20	18	<.01	< 10	9	10	< 1	28
519.20	24591	1.0	0.94	873	5	10	< 5	6.02	< 1	50	47	72	4.92	0.06	12	2.03	674	< 1	<.01	62	86	44	20	< 20	139	<.01	< 10	73	< 10	< 1	35

ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 11, 1989

CERTIFICATE OF ANALYSIS ETK 89-528

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

Granite cirque ✓

SILICON. GRQUE.

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 20 ROCK samples received July 31, 1989
PROJECT: 1366
SHIPMENT NO.: 8

ET#	Description	AU (ppb)	HG (ppb)
528 - 1	24506	<5	55
528 - 2	24507	5	5
528 - 3	24508	5	45
528 - 4	24509	~~10~~	30
528 - 5	24510	15	80
528 - 6	24511	10	35
528 - 7	24513	5	40
528 - 8	24514	15	50
528 - 9	24515	5	35
528 - 10	24517	20	35
528 - 11	24518	15	40
528 - 12	24519	20	40
528 - 13	24520	25	55
528 - 14	24521	5	70
528 - 15	24524	5	55
528 - 16	24527	<5	55
528 - 17	24529	<5	50
528 - 18	24533	<5	55
528 - 19	24535	55	70
528 - 20	24536	10	65

S.1 cirque

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

cc: JEAN PAUTLER
C/O PEMBERTON HELICOPTERS
BOX 579
PEMBERTON, B.C.
V0N 2L0

SC89/TECK3

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

AUGUST 8, 1989

TECK EXPLORATIONS LTD. - ETK89-528A

960 - 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1
ATTN: FRED BAILEY

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 1366
20 ROCK SAMPLES RECEIVED JULY 31, 1989

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
528 A- 1	24506	.6	.05	15	<2	10	<5	.03	2	1	277	29	.50	.03	<10	<.01	41	28	.05	5	20	2	5	<20	2	<.01	<10	1	<10	1	3
528 A- 2	24507	<.2	.04	10	10	40	<5	>15.	1	2	3	1	.06	<.01	<10	.02	105	2	.04	<1	170	10	<5	<20	809	<.01	<10	<1	<10	6	<1
528 A- 3	24508	.2	.03	10	<2	10	<5	2.16	<1	3	290	53	.79	<.01	<10	.98	159	34	.04	21	30	4	15	<20	138	<.01	20	3	<10	1	5
528 A- 4	24509	.2	.07	15	6	60	<5	9.99	<1	34	145	6	2.78	<.01	<10	9.75	652	14	.04	688	30	6	10	<20	698	<.01	<10	3	<10	1	19
528 A- 5	24510	.2	.04	10	14	15	<5	3.16	<1	73	138	11	4.07	<.01	<10	4.97	641	10	.03	1234	60	4	10	<20	145	<.01	10	3	<10	1	39
528 A- 6	24512	.4	.21	5	<2	15	<5	.40	<1	4	298	5	.57	<.01	<10	.24	113	29	.05	115	40	<2	<5	<20	58	<.01	10	3	<10	1	3
528 A- 7	24513	.4	.03	5	<2	15	<5	4.71	<1	20	204	5	1.84	<.01	<10	7.95	436	15	.04	445	50	4	5	<20	345	<.01	30	1	<10	<1	11
528 A- 8	24514	.8	.05	220	<2	15	<5	.10	<1	2	321	8	.84	<.01	<10	.03	312	33	.04	17	200	2	<5	<20	4	<.01	10	4	<10	2	9
528 A- 9	24515	.4	.12	10	<2	5	<5	.05	<1	3	404	13	.77	.02	<10	.05	212	35	.05	14	10	2	5	<20	4	<.01	10	5	<10	1	4
528 A- 10	24517	.4	.20	160	<2	10	<5	9.54	<1	6	259	8	.97	<.01	<10	.74	594	29	.04	101	120	6	<5	<20	381	.01	<10	8	<10	3	8
528 A- 11	24518	.2	.51	10	<2	55	<5	.11	<1	5	308	40	1.28	.14	<10	.28	275	34	.05	20	120	4	<5	<20	10	.03	<10	20	<10	2	33
528 A- 12	24519	1.0	.17	20	<2	15	<5	.51	<1	19	267	2566	4.74	<.01	10	.09	2714	26	.04	55	1400	4	10	<20	47	.03	<10	13	<10	10	19
528 A- 13	24520	.2	.17	5	<2	5	<5	.21	<1	4	346	29	.98	<.01	<10	.06	675	28	.04	19	70	2	<5	<20	7	.01	10	4	<10	2	8
528 A- 14	24521	.6	.13	20	4	15	<5	.05	1	7	313	1119	2.73	.08	10	.11	343	33	.05	26	320	28	5	<20	13	.11	20	11	<10	2	18
528 A- 15	24524	.8	.44	190	<2	25	<5	5.98	<1	20	209	38	2.50	.11	<10	2.73	634	16	.04	84	40	6	10	<20	128	<.01	10	13	<10	3	18
528 A- 16	24527	.4	.37	10	<2	90	<5	.08	<1	2	318	11	.67	.08	<10	.15	107	32	.09	18	150	4	5	<20	7	<.01	10	1	<10	2	18
528 A- 17	24529	.6	.36	210	<2	15	<5	8.24	<1	14	194	27	2.38	.13	<10	3.22	619	12	.05	69	<10	4	5	<20	119	<.01	<10	7	<10	3	13
528 A- 18	24530	3.8	.65	825	<2	20	<5	9.68	<1	41	111	9137	4.25	.20	<10	.62	1049	3	.04	165	100	10	20	<20	16	<.01	40	20	<10	5	32
528 A- 19	24535	2.4	.07	70	<2	5	<5	4.04	2	6	387	30	1.16	.03	<10	1.03	364	30	.04	20	30	4	<5	<20	74	<.01	<10	4	<10	2	5
528 A- 20	24536	.4	.03	10	<2	<5	<5	.05	1	2	504	9	.62	<.01	<10	.01	77	48	.04	11	20	2	5	<20	1	<.01	<10	1	<10	<1	<1

NOTE: < = LESS THAN
> = GREATER THAN

FAX: TECK, KAMLOOPS
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AUGUST 11, 1989

CERTIFICATE OF ANALYSIS ETK 89-524

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 23 ROCK samples received July 31, 1989
PROJECT: 1366
SHIPMENT NO: 8

ET#	Description	AU (ppb)	HG (ppb)
524 - 1	24186	5	13
524 - 2	24189	45	54
524 - 3	24190	5	30
524 - 4	24192	10	18
524 - 5	24193	30	20
524 - 6	24194	45	21
524 - 7	24198	15	24
524 - 8	24199	35	20
524 - 9	24200	25	22
524 - 10	25537	5	20
524 - 11	25538	<5	13
524 - 12	25539	15	3
524 - 13	25540	5	7
524 - 14	25541	<5	5
524 - 15	25542	10	<1
524 - 16	25543	10	160
524 - 17	25544	20	2
524 - 18	25545	5	3
524 - 19	25546	15	<1
524 - 20	25547	10	81
524 - 21	25548	15	5
524 - 22	25549	<5	10
524 - 23	25550	10	11

NOTE: < = less than

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VON 2LO
SC89/TECK1

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

AUGUST 23, 1989

TECK EXPLORATIONS LTD. - ETK89-524A

960 - 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1
ATTN: FRED BALEY

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT:1366 SHIPMENT 8
23 ROCK SAMPLES RECEIVED JULY 31,1989

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
524 A- 1	24186	1.0	.01	100	<2	<5	<5	.02	<1	2	185	3	.87	.01	<10	<.01	39	14	.04	9	20	10	5	<20	<1	<.01	10	2	130	1	2
524 A- 2	24189	6.8	.14	905	<2	5	<5	10.30	<1	35	28	630	5.50	.09	<10	1.73	1222	2	.04	29	420	32	30	<20	686	<.01	40	13	1210	8	196
524 A- 3	24190	.6	.04	80	<2	5	<5	.77	<1	7	158	10	1.05	.02	<10	.16	265	18	.04	10	80	10	<5	<20	7	<.01	<10	6	10	1	10
524 A- 4	24192	.4	.05	150	<2	<5	<5	2.73	<1	2	80	5	.41	.01	<10	.05	196	2	.04	5	10	6	<5	<20	9	<.01	<10	6	<10	1	7
524 A- 5	24193	.8	.03	240	<2	<5	<5	.34	<1	3	107	3	.85	<.01	<10	.01	92	8	.04	5	10	14	<5	<20	1	<.01	10	5	<10	1	4
524 A- 6	24194	.4	1.60	1945	<2	<5	<5	5.63	<1	46	19	54	7.77	.07	<10	2.70	1074	4	.04	22	90	10	15	<20	73	.01	40	362	10	6	55
524 A- 7	24198	1.0	.02	150	<2	<5	<5	.44	<1	3	129	4	.49	<.01	<10	.01	98	8	.05	4	20	8	<5	<20	1	<.01	<10	4	<10	1	17
524 A- 8	24199	.2	.09	90	<2	<5	<5	3.65	<1	2	82	3	.52	<.01	<10	.09	208	3	.04	10	10	8	<5	<20	5	<.01	30	8	<10	1	4
524 A- 9	24200	.6	.05	590	<2	<5	<5	3.44	<1	5	125	6	.90	<.01	<10	.90	301	9	.04	14	70	8	10	<20	32	<.01	<10	5	850	3	4
524 A- 10	25537	<.2	.09	5	<2	170	<5	.09	<1	<1	101	7	.26	<.01	<10	.22	35	3	.04	13	60	10	<5	<20	1	<.01	50	3	10	1	2
524 A- 11	25538	<.2	.01	20	<2	5	<5	.54	<1	17	49	1	.22	<.01	<10	.40	81	1	.04	86	10	4	<5	<20	1	<.01	<10	3	<10	1	1
524 A- 12	25539	.2	.07	<5	<2	15	<5	1.19	<1	1	151	4	.21	.02	<10	.03	193	5	.05	17	120	8	<5	<20	68	<.01	20	2	<10	2	5
524 A- 13	25540	1.4	.13	5	<2	15	<5	.02	<1	1	103	13	.27	.04	<10	.06	65	7	.04	5	90	8	<5	<20	1	<.01	<10	3	<10	1	11
524 A- 14	25541	.4	.33	50	<2	5	<5	1.76	<1	4	177	2	.75	<.01	<10	.61	481	4	.04	54	40	14	<5	<20	13	<.01	10	12	<10	2	10
524 A- 15	25542	.6	.33	40	<2	<5	<5	1.02	<1	5	147	2	.56	<.01	<10	.60	202	6	.04	114	20	6	<5	<20	2	<.01	40	8	<10	1	5
524 A- 16	25543	8.0	.04	45	<2	<5	<5	4.41	<1	5	124	23	.81	<.01	<10	.86	320	4	.05	17	10	8	5	<20	42	<.01	10	4	<10	2	5
524 A- 17	25544	.4	.03	20	<2	<5	<5	.12	<1	2	152	3	.25	<.01	<10	.01	116	8	.04	6	20	6	<5	<20	1	<.01	50	3	<10	<1	2
524 A- 18	25545	.4	.25	100	<2	<5	<5	1.92	<1	4	133	10	.51	<.01	<10	.22	166	3	.04	24	150	6	<5	<20	11	<.01	10	3	<10	1	9
524 A- 19	25546	.4	.01	15	<2	<5	<5	.55	<1	1	161	7	.32	<.01	<10	.05	78	9	.05	5	30	4	<5	<20	2	<.01	30	3	<10	1	2
524 A- 20	25547	.2	.04	10	<2	<5	<5	.04	<1	1	127	11	.21	<.01	<10	.03	44	4	.04	6	10	6	610	<20	<1	<.01	10	3	<10	<1	3
524 A- 21	25548	.6	.01	65	<2	<5	<5	.52	<1	3	111	4	.38	<.01	<10	.01	117	8	.04	4	10	6	<5	<20	1	<.01	40	2	<10	<1	3
524 A- 22	25549	.4	1.19	5	<2	15	<5	1.59	<1	4	63	5	1.08	.05	<10	.33	416	8	.12	2	610	6	5	<20	33	.01	20	11	<10	3	35
524 A- 23	25550	.4	.07	60	<2	5	<5	4.08	<1	3	136	4	.49	.02	<10	.19	212	11	.04	8	40	8	<5	<20	134	<.01	<10	2	10	1	6

NOTE: < = LESS THAN

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AUGUST 11, 1989

CERTIFICATE OF ANALYSIS ETK 89-523

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 19 ROCK samples received July 31, 1989
PROJECT: 1366
SHIPMENT NO: 8

ET#	Description	AU (ppb)	HG (ppb)
523 - 1	24357	150	14
523 - 2	24358	10	29
523 - 3	24359	15	14
523 - 4	24360	25	7
523 - 5	24361	30	32
523 - 6	24362	5	16
523 - 7	24363	<5	11
523 - 8	24364	<5	11
523 - 9	24365	5	14
523 - 10	24366	40	25
523 - 11	24367	31	28
523 - 12	24368	15	17
523 - 13	24369 - MAC	10	21
523 - 14	24370	<5	18
523 - 15	24371	<5	14
523 - 16	24372 - MAC	<5	36
523 - 17	24373	<5	21
523 - 18	24374 - MAC	<5	87
523 - 19	24375 - MAC	15	23

NOTE: < = less than

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V0N 2L0
SC89/TECK1

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

AUGUST 21, 1989

TECK EXPLORATIONS LTD. - ETK89-523 A

960 - 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1
ATTN: FRED BALEY

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 1366
19 ROCK SAMPLES RECEIVED JULY 31,1989

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
523 A- 1	24357	.2	.25	<5	<2	50	<5	.06	<1	4	164	23	.67	.16	<10	.14	107	11	.07	4	110	4	<5	<20	7	.03	<10	12	<10	1	17
523 A- 2	24358	.4	1.70	5	<2	<5	<5	.66	<1	32	106	338	3.73	.02	<10	1.12	139	5	.09	85	160	<2	10	<20	21	.06	30	67	<10	3	44
523 A- 3	24359	.2	.61	<5	<2	20	<5	.01	<1	2	92	25	.97	.12	<10	.12	116	4	.06	3	20	4	5	<20	2	.01	20	4	<10	1	43
523 A- 4	24360	.2	.25	10	<2	10	<5	.22	<1	8	67	53	1.40	.05	<10	.05	42	5	.08	2	730	4	5	<20	24	.05	<10	10	<10	2	24
523 A- 5	24361	.2	.05	10	10	5	<5	.03	<1	77	192	7	2.35	.02	<10	12.83	679	4	.06	1260	40	10	10	<20	1	<.01	<10	8	<10	<1	27
523 A- 6	24362	.2	.07	10	32	10	<5	.06	<1	92	222	18	4.19	<.01	<10	>15.	749	9	.05	1774	40	10	15	<20	1	<.01	20	7	<10	1	32
523 A- 7	24363	.4	1.01	5	6	35	<5	.05	<1	65	892	150	3.22	<.01	<10	4.21	520	<1	.05	556	120	8	5	<20	3	.01	10	34	<10	1	24
523 A- 8	24364	<.2	3.17	5	<2	5	<5	2.52	<1	4	54	18	.28	<.01	<10	.51	63	<1	.16	46	10	<2	10	<20	86	<.01	20	4	<10	<1	5
523 A- 9	24365	.2	1.00	<5	<2	15	<5	.50	<1	19	35	42	2.38	.16	<10	.27	126	<1	.11	6	590	2	5	<20	48	.06	<10	123	<10	6	15
523 A- 10	24366	<.2	.13	5	46	<5	<5	.02	<1	58	414	<1	2.37	<.01	<10	14.76	431	9	.05	1228	30	8	10	<20	1	<.01	10	9	<10	1	16
523 A- 11	24367	.2	.10	<5	30	5	<5	.01	<1	68	310	2	2.11	<.01	<10	13.24	671	9	.04	1584	40	10	10	<20	<1	<.01	<10	6	<10	1	18
523 A- 12	24368	.2	.46	5	24	<5	<5	<.01	<1	38	716	2	1.87	<.01	<10	12.00	166	9	.04	809	30	2	5	<20	<1	.01	40	10	<10	2	11
523 A- 13	24369	<.2	.29	<5	<2	<5	<5	.30	<1	1	172	3	.22	<.01	<10	.19	65	8	.07	16	20	4	<5	<20	13	<.01	<10	2	<10	<1	3
523 A- 14	24370	<.2	.05	<5	2	5	<5	.03	<1	1	221	7	.27	<.01	<10	.12	29	17	.06	12	10	2	<5	<20	3	<.01	<10	1	<10	<1	3
523 A- 15	24371	.2	1.85	5	<2	5	<5	.30	<1	24	58	187	2.74	<.01	<10	2.17	94	3	.07	170	60	<2	10	<20	12	<.01	<10	4	<10	1	18
523 A- 16	24372	.1	.17	5	112	40	<5	.04	<1	88	261	11	3.83	.03	<10	10.01	388	7	.05	1868	67	7	15	<20	4	<.01	10	7	<10	1	28
523 A- 17	24373	.2	.06	10	<2	5	<5	.02	<1	2	202	19	.47	.03	<10	.05	43	7	.08	13	30	8	<5	<20	1	<.01	<10	4	<10	<1	3
523 A- 18	24374	.6	.05	<5	<2	5	<5	.01	<1	2	224	9	.42	.03	<10	.04	78	15	.07	11	30	4	<5	<20	<1	<.01	<10	4	<10	<1	4
523 A- 19	24375	.6	.30	70	<2	25	<5	.19	<1	21	196	160	3.77	.03	<10	.10	1110	5	.07	15	710	56	5	<20	4	.01	<10	94	<10	5	110

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

CC: JEAN PAULTER
FAX: TECK, KAMLOOPS
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10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 6, 1989

CERTIFICATE OF ANALYSIS ETK 89-666

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 22 ROCK samples received August 28, 1989
PROJECT: 1366
SHIPMENT #12

ET#	Description	Au (ppb)	Hg (ppb)	Hg (ppm)
666 - 1	31685	15	30	
666 - 2	31686	5	15	
666 - 3	31687	5	15	
666 - 4	31688	10	30	
666 - 5	31689	10	20	
666 - 6	31690	10	949	
666 - 7	31691	10	>1000	2.84
666 - 8	31692	5	>1000	2.83
666 - 9	31693	10	>1000	2.77
666 - 10	31694	5	>1000	2.26
666 - 11	31695	30	>1000	2.95
666 - 12	31696	35	>1000	2.96
666 - 13	31697	15	385	
666 - 14	31698	65	60	
666 - 15	31699 MAC	5	10	
666 - 16	32144	25	20	
666 - 17	32145	5	655	
666 - 18	32146	5	110	
666 - 19	32147	5	100	
666 - 20	32148	5	115	
666 - 21	32149	10	55	
666 - 22	32150	10	215	

NOTE: > = GREATER THAN

ECO-TECH LABORATORIES LTD.
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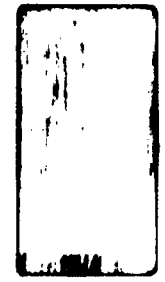
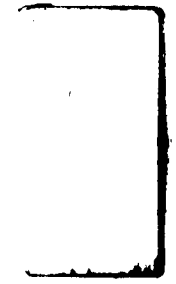
SC89/TECK5





666 A-	14	31698	<.2	.02	380	6	<5	50	.67	102	5	266	22	2.57	.01	<10	.08	82	14	.03	16	40	>10000	445	<20	33	<.01	20	3	310	2	3219
666 A-	15	31699	2.4	.06	70	<2	5	<5	.21	<1	4	462	7	.51	.01	<10	.01	201	28	.03	8	10	448	80	<20	1	<.01	20	4	20	<1	19
666 A-	16	32144	2.2	.09	45	2	5	<5	4.81	<1	5	204	6	1.05	.02	<10	.60	317	15	.03	14	20	268	50	<20	14	<.01	30	9	10	2	20
666 A-	17	32145	4.8	.30	550	6	5	<5	8.13	<1	41	77	164	5.10	.09	10	3.36	929	3	.03	117	170	20	75	<20	54	<.01	10	15	<10	6	34
666 A-	18	32146	.4	.05	15	<2	5	<5	.17	1	3	322	7	.38	.03	<10	.02	82	18	.04	6	20	34	30	<20	2	<.01	10	2	<10	<1	11
666 A-	19	32147	<.2	.06	45	<2	5	<5	1.60	<1	4	222	3	.59	.01	<10	.31	193	13	.03	11	30	12	15	<20	11	<.01	20	3	200	1	4
666 A-	20	32148	<.2	.14	195	<2	<5	<5	4.62	<1	8	248	3	.73	.03	<10	.12	286	16	.03	29	10	10	10	<20	7	<.01	10	2	<10	1	3
666 A-	21	32149	<.2	.04	20	<2	<5	<5	1.10	1	4	258	4	.35	.01	<10	.02	100	9	.03	13	20	6	5	<20	2	<.01	20	2	<10	<1	6
666 A-	22	32150	7.6	.09	50	<2	5	10	1.51	<1	5	310	3	.62	.03	<10	.05	169	20	.04	13	40	98	10	<20	6	<.01	20	3	<10	1	5

NOTE: < = LESS THAN

CC: JEAN PAUTLER
FAX: TECK, KAMLOOPS
SC89/TECK6

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

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ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 17, 1989

CERTIFICATE OF ANALYSIS ETK 89-394

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 123 ROCK samples received July 4, 1989
PROJECT: 1366 SHIPMENT #4

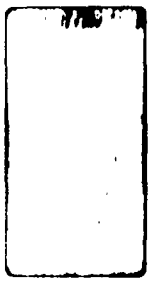
ET#	Description	AU (ppb)	HG (ppb)
394 - 1	73562 MHC	15	10
394 - 2	73567	10	215
394 - 3	73568	10	15
394 - 4	73569	15	10
394 - 5	73572	20	15
394 - 6	73573	20	20
394 - 7	73574	15	10
394 - 8	73575	<5	5
394 - 9	73576	20	210
394 - 10	73577	10	15
394 - 11	73578	20	35
394 - 12	73579	10	60
394 - 13	73580	10	80
394 - 14	73581	15	40
394 - 15	73582	15	20
394 - 16	73583	20	30
394 - 17	73585	15	15
394 - 18	73586	10	5
394 - 19	73587	20	65
394 - 20	73588	10	50
394 - 21	73589	10	15
394 - 22	73590	15	35
394 - 23	73591	10	<5
394 - 24	73592	5	15
394 - 25	73593	10	35
394 - 26	73594	15	5
394 - 27	73595	5	10
394 - 28	73596	<5	70
394 - 29	73597	10	130
394 - 30	73598	5	35

Eco-Tech Laboratories Ltd.
10041 E. Trans Canada Hwy.
Kamloops, B.C.
V2C 2J3

Teck Explorations Ltd.
960, 175 Second Avenue
Kamloops. B.C.
V2C 5N1

CERTIFICATE OF ANALYSIS ETK89-394A
123 Rock Samples, received July 4/89
July 17, 1989
ATTN: Fred Baley

ETF	DESCRIPTION	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y	Zn
394.1	73562	<.2	0.20	< 5	10	421	11	0.48	< 1	58	595	11	2.24	<.01	< 10	7.11	385	< 1	<.01	1071	108	31	45	< 20	18	<.01	< 10	13	< 10	< 1	19
394.2	73567	<.2	0.19	16	11	257	< 5	0.39	< 1	9	268	13	1.35	0.01	< 10	0.37	773	15	<.01	72	76	14	17	< 20	19	<.01	< 10	12	< 10	4	14
394.3	73568	<.2	0.18	< 5	11	87	< 5	1.23	< 1	3	170	3	0.51	<.01	< 10	0.20	160	11	<.01	11	36	17	9	< 20	12	<.01	< 10	12	< 10	< 1	14
394.4	73569	<.2	1.35	16	9	51	17	0.58	< 1	25	71	96	3.41	0.02	< 10	1.04	359	< 1	0.02	22	39	25	19	< 20	5	0.36	< 10	94	< 10	9	30
394.5	73572	<.2	0.11	< 5	10	74	< 5	0.03	< 1	2	269	11	0.68	0.02	< 10	0.07	82	20	<.01	7	74	17	7	< 20	1	<.01	< 10	3	< 10	< 1	21
394.6	73573	1.5	0.09	< 5	10	63	5	0.08	< 1	1	221	5	0.44	0.05	< 10	0.02	97	17	<.01	6	32	42	7	< 20	5	<.01	< 10	2	< 10	< 1	22



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JULY 12, 1989

CERTIFICATE OF ANALYSIS ETK89-395

HG AND ICP TO FOLLOW

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 31 SOIL samples received July 4, 1989
PROJECT: 1366
SHIP.# 4

ET#	Description	AU (ppb)
395 - 1	AL 89 - H - 5001 - T	10
395 - 2	AL 89 - H - 5002 - T	10
395 - 3	TA ST 2	5
395 - 4	TA ST 4	10
395 - 5	TA ST 5	5
395 - 6	TA ST 6	5
395 - 7	TA ST 7	10
395 - 8	73561	5
395 - 9	73563	10
395 - 10	73564 MAC	10
395 - 11	73565	5
395 - 12	73566	5
395 - 13	73570	5
395 - 14	73571	60
395 - 15	73599	5
395 - 16	73660	5
395 - 17	73695	25
395 - 18	73696	70
395 - 19	73697	5
395 - 20	73698	140
395 - 21	73699	55
395 - 22	73700	45
395 - 23	S 73909	10
395 - 24	P 73921	5
395 - 25	S 73939	5
395 - 26	S 73960	45
395 - 27	73975 A	30
395 - 28	73975 B	5
395 - 29	73976	15
395 - 30	73978	20
395 - 31	73979	20

NOTE: < = less than

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cc: J. PAUTLER
SC89/TECK1

ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

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JULY 17, 1989

CERTIFICATE OF ANALYSIS ETK89-3358

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 31 SOIL samples received July 4, 1989
PROJECT: 1366
SHIP.# 4

ET#	Description	HG (ppb)
3358 - 1	AL 89 - H - 5001 - T	60
3358 - 2	AL 89 - H - 5002 - T	75
3358 - 3	TA ST 2	60
3358 - 4	TA ST 4	60
3358 - 5	TA ST 5	55
3358 - 6	TA ST 6	55
3358 - 7	TA ST 7	25
3358 - 8	73561	105
3358 - 9	73563	75
3358 - 10	73564	60
3358 - 11	73565	50
3358 - 12	73566	50
3358 - 13	73570	120
3358 - 14	73571	50
3358 - 15	73599	60
3358 - 16	73660	10
3358 - 17	73695	70
3358 - 18	73696	70
3358 - 19	73697	90
3358 - 20	73698	115
3358 - 21	73699	65
3358 - 22	73700	60
3358 - 23	S 73909	50
3358 - 24	P 73921	55
3358 - 25	S 73939	60
3358 - 26	S 73960	40
3358 - 27	73975 A	135
3358 - 28	73975 B	95
3358 - 29	73976	65
3358 - 30	73978	100
3358 - 31	73979	75

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

cc: J. PAUTLER
3358/TECK1

Eco-Tech Laboratories Ltd.
10041 E. Trans Canada Hwy.
Kamloops, B.C.
V2C 2J3

Teck Explorations Ltd.
960, 175 Second Avenue
Kamloops, B.C.
V2C 5W1

CERTIFICATE OF ANALYSIS ETK89-3
31 Soil Samples, received July
Project #1366 Shipment #4
ATTN: Fred Daley

ETF	DESCRIPTION:	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y
395.1	AL89M5001T	<.2	1.22	30	10	105	< 5	0.30	< 1	13	48	30	2.14	0.15	< 10	0.85	389	< 1	<.01	39	461	21	13	< 20	17	0.07	< 10	52	< 10	2
395.2	AL89M5002T	0.4	1.37	37	9	95	< 5	0.44	< 1	15	56	37	2.39	0.15	< 10	0.89	502	< 1	<.01	58	512	21	13	< 20	29	0.07	< 10	50	< 10	3
395.3	TA ST 2	0.4	1.61	49	18	29	7	0.30	1	39	387	58	4.00	0.03	12	4.68	623	< 1	<.01	357	491	30	45	< 20	17	0.06	14	49	< 10	< 1
395.4	TA ST 4	<.2	1.68	48	9	20	< 5	0.54	1	24	90	69	3.00	0.02	< 10	1.42	774	< 1	<.01	68	540	30	22	< 20	9	0.06	< 10	49	< 10	2
395.5	TA ST 5	0.2	1.09	26	20	29	< 5	1.21	< 1	15	129	103	2.12	0.09	< 10	1.40	519	< 1	<.01	188	872	23	22	< 20	32	0.02	< 10	28	< 10	6
395.6	TA ST 6	<.2	1.80	25	11	45	7	0.37	< 1	24	187	52	3.93	0.07	15	2.14	748	< 1	<.01	180	626	30	30	< 20	22	0.08	< 10	47	< 10	2
395.7	TA ST 7	<.2	1.46	31	9	28	7	0.67	< 1	20	105	43	2.96	0.03	< 10	1.20	609	< 1	<.01	66	341	24	23	< 20	24	0.11	< 10	71	< 10	3
395.8	73561	<.2	1.53	31	14	146	< 5	1.21	< 1	25	150	64	2.66	0.22	< 10	1.77	730	< 1	0.01	428	746	25	24	< 20	37	0.07	< 10	68	< 10	3
395.9	73563	<.2	1.69	28	10	133	5	0.70	< 1	27	192	52	3.04	0.28	< 10	1.88	567	< 1	0.01	233	596	26	23	< 20	27	0.09	< 10	75	< 10	3
395.10	73564	<.2	2.07	49	10	117	12	0.72	< 1	26	58	37	4.34	0.69	13	1.69	503	< 1	0.01	95	1564	26	29	< 20	24	0.19	< 10	94	< 10	6
395.11	73565	<.2	1.97	63	11	59	6	0.86	1	27	166	50	3.17	0.22	< 10	1.95	453	< 1	0.01	225	560	30	30	< 20	35	0.07	17	89	< 10	2
395.12	73566	<.2	1.51	33	14	42	< 5	1.06	< 1	18	198	51	2.11	0.15	< 10	1.66	280	< 1	0.01	157	545	25	23	< 20	23	0.04	< 10	59	< 10	11
395.13	73570	<.2	1.59	69	8	13	< 5	1.11	1	25	61	99	2.08	0.03	< 10	1.02	324	< 1	<.01	58	477	25	15	< 20	22	0.04	< 10	43	< 10	< 1
395.14	73571	2.9	1.01	192	10	36	< 5	0.57	6	27	12	96	5.70	0.02	20	0.39	1320	84	<.01	22	716	102	22	< 20	42	<.01	< 10	16	< 10	7
395.15	73599	<.2	1.49	26	8	56	< 5	0.22	< 1	18	48	51	2.71	0.05	< 10	0.70	445	< 1	<.01	65	663	30	19	< 20	17	0.06	< 10	70	< 10	4
395.16	73660	<.2	2.98	25	9	235	13	0.65	< 1	44	181	171	7.72	0.72	18	2.63	197	5	0.01	91	540	27	44	< 20	32	0.32	< 10	280	< 10	5
395.17	73695	0.6	2.24	60	5	39	6	0.08	1	11	29	40	4.14	0.02	12	0.56	355	< 1	<.01	20	740	30	15	< 20	8	0.04	< 10	37	< 10	< 1
395.18	73696	1.1	1.67	109	7	37	< 5	0.18	3	19	24	91	4.18	0.02	15	0.71	689	< 1	<.01	29	992	32	19	< 20	9	0.03	< 10	23	< 10	3
395.19	73697	0.3	2.33	58	4	36	12	0.05	1	9	24	20	4.43	0.01	14	0.37	193	1	<.01	14	319	31	14	< 20	9	0.14	< 10	72	< 10	1
395.20	73698	1.0	3.18	92	5	38	< 5	0.13	2	17	28	44	4.01	0.02	12	0.57	375	< 1	<.01	23	585	43	13	< 20	9	0.06	13	30	< 10	2

[redacted]

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JULY 12,1989

CERTIFICATE OF ANALYSIS ETK 89-413

HG AND ICP TO FOLLOW

TECK EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DALEY

SAMPLE IDENTIFICATION: 28 ROCK samples received July 6, 1989
PROJECT: 1366
SHIP# 4

ET#	Description	AU (ppb)	AU (g/t)
413 - 1	73675	60	
413 - 2	73676	10	
413 - 3	73677	10	
413 - 4	73678	10	
413 - 5	73679	5	
413 - 6	73680	10	
413 - 7	73681	5	
413 - 8	73682	<5	
413 - 9	73683	5	
413 - 10	73684	<5	
413 - 11	73685	10	
413 - 12	73686	10	
413 - 13	73687	5	
413 - 14	73688	5	
413 - 15	73689	10	
413 - 16	73896	10	
413 - 17	73897	10	
413 - 18	73898	50	
413 - 19	73899	30	
413 - 20	73900	10	
413 - 21	73901	5	
413 - 22	73902	10	
413 - 23	73903	10	

MAC

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ASSAYING - ENVIRONMENTAL TESTING
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JULY 17, 1989

CERTIFICATE OF ANALYSIS ETH 89-4138

TECH EXPLORATIONS LTD.
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1

ATTENTION: FRED DAILEY

SAMPLE IDENTIFICATION: 28 ROCK samples received July 6, 1989
PROJECT: 1366
SHIP# 4

ETH	Description	Hg (ppb)
4138 - 1	73675	5
4138 - 2	73676	<5
4138 - 3	73677	20
4138 - 4	73678	25
4138 - 5	73679	10
4138 - 6	73680	110
4138 - 7	73681	25
4138 - 8	73682	25
4138 - 9	73683	40
4138 - 10	73684	20
4138 - 11	73685	500
4138 - 12	73686	280
4138 - 13	73687	365
4138 - 14	73688	420
4138 - 15	73689	65
4138 - 16	73890	85
4138 - 17	73891	190
4138 - 18	73892	170
4138 - 19	73893	125
4138 - 20	73900	135
4138 - 21	73901	35
4138 - 22	73902	65
4138 - 23	73903	115
4138 - 24	73904	90
4138 - 25	73905	30
4138 - 26	73906	125
4138 - 27	73907	20
4138 - 28	73908	30

NOTE: < = less than

cc: JEAN PAUTLER
PEMBERTON HELI
BOX 579 PEMBERTON

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B.C. Certified Assayer

SD89/TECH1

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

JULY 17, 1989

TECK EXPLORATIONS LTD. - ETK89-413A

960 - 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5W1
ATTN: FRED DALEY

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 1366
28 ROCK SAMPLES RECEIVED JULY 6, 1989

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
413 A- 1	73675	.8	.30	100	<2	40	<5	2.84	3	10	95	65	1.49	.21	<10	.33	3813	<1	<.01	28	200	42	<5	20	65	.02	20	10	<10	2	38
413 A- 2	73676	.2	.38	10	<2	35	<5	.10	<1	8	139	49	1.11	.13	<10	.30	509	6	<.01	24	140	6	<5	<20	3	.01	10	13	<10	2	34
413 A- 3	73677	.2	.47	5	160	60	<5	.27	<1	7	197	18	1.26	.12	<10	.32	677	11	<.01	10	90	8	<5	60	2	.06	10	27	<10	2	15
413 A- 4	73678	<.2	.04	<5	4	<5	<5	1.64	<1	2	146	3	.27	.02	<10	.03	173	10	<.01	3	40	2	<5	<20	19	.01	<10	3	<10	1	<1
413 A- 5	73679	.2	2.55	25	<2	20	<5	7.93	1	28	95	31	4.74	.03	<10	2.27	1585	<1	<.01	34	630	8	<5	20	73	.03	10	165	<10	7	62
413 A- 6	73680	.2	.12	5	<2	10	<5	.13	<1	3	126	13	.68	.04	<10	.06	164	7	<.01	11	120	4	<5	<20	2	<.01	<10	6	<10	1	13
413 A- 7	73681	.2	.46	10	<2	40	<5	.52	<1	9	83	34	1.82	.15	<10	.33	326	<1	<.01	23	200	6	<5	<20	7	<.01	10	24	<10	5	48
413 A- 8	73682	.2	.14	<5	<2	40	<5	.02	<1	6	102	26	.95	.15	<10	.08	1131	4	.01	17	40	6	<5	<20	2	.02	<10	14	<10	1	20
413 A- 9	73683	.2	2.36	15	2	20	<5	.39	1	28	86	67	5.34	.06	<10	2.21	898	<1	.01	22	840	10	<5	120	3	.13	<10	112	<10	7	281
413 A- 10	73684	.2	.06	<5	4	5	<5	2.37	<1	2	179	10	.38	.02	<10	.04	223	12	<.01	4	230	8	<5	<20	22	<.01	10	5	<10	1	3
413 A- 11	73685	.2	2.35	20	<2	95	<5	4.26	1	43	150	268	5.72	1.00	<10	2.60	1276	<1	1.00	44	1280	12	<5	60	103	.08	10	141	10	20	81
413 A- 12	73686	1.0	.11	5	<2	55	<5	1.46	<1	4	170	42	1.94	.12	<10	.37	6266	<1	<.01	21	150	18	<5	<20	24	<.01	30	38	10	5	31
413 A- 13	73687	1.0	.28	5	<2	125	<5	.78	<1	11	81	66	3.47	.25	<10	.36	6673	<1	<.01	44	340	24	<5	20	21	.01	30	73	<10	8	78
413 A- 14	73688	.2	.47	10	4	105	<5	7.36	1	33	69	29	5.83	.29	<10	1.66	1618	<1	<.01	55	1230	14	<5	<20	187	.01	10	138	<10	24	83
413 A- 15	73689	.2	1.48	20	<2	20	<5	6.89	1	33	653	35	3.20	.04	<10	5.07	962	<1	<.01	444	320	10	<5	<20	104	<.01	30	50	<10	8	52
413 A- 16	73896	.2	1.16	10	<2	20	<5	.20	<1	7	146	46	3.57	.21	<10	1.47	233	<1	<.01	24	420	10	<5	40	8	.04	10	37	<10	5	68
413 A- 17	73897	.2	.46	5	<2	40	<5	.08	<1	8	188	26	1.59	.09	<10	.41	798	12	<.01	41	250	14	<5	<20	4	<.01	10	12	<10	2	46
413 A- 18	73898	.2	.27	15	<2	25	<5	.14	1	7	232	18	1.56	.08	<10	.14	309	5	<.01	26	250	6	<5	<20	8	<.01	10	7	<10	3	25
413 A- 19	73899	.2	.22	35	<2	50	<5	.24	1	7	120	10	2.01	.14	<10	.07	445	5	.02	19	690	4	<5	<20	14	<.01	<10	7	<10	5	35
413 A- 20	73900	.4	.43	15	<2	35	<5	3.98	1	5	96	16	2.67	.09	<10	.31	682	<1	.01	12	590	4	<5	<20	27	<.01	10	23	<10	6	50

ECO-TECH LABORATORIES LTD.
ASSAYING · ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B C V2C 2J3 (604) 573-5700 Fax 573-4557

SAMPLE PREPARATION: ROCK/CORE

The samples are dryed (if wet) , crushed in two stages, blended and mechanically split to give a 250 to 300 gram subsample.

The subsample is pulverized in a " Ring and Puck" pulverizer to approximately -150 mesh (80% < -180 mesh).

The subsample is blended by rolling the sample 60 times on glazed paper.

ANALYSIS:

GOLD ANALYSIS:

Gold is analyzed by conventional fire assay, Atomic Absorption finish.

Samples showing gold content greater than one gram per tonne are automatically re-assayed to verify the first set of results and to determine if a nugget effect exists.

Samples having gold values exceeding five grams per tonne are normally assayed for "Metallics". The procedure involves taking a re-cut from the rejects and screening the new pulp to -140 mesh. The entire +140 mesh fraction is assayed separately. Two individual assays are performed on the -140 fraction and all the results are pro-rated to give the reported value.

Each set of forty samples assayed have one ore standard and one random duplicate sample included in the set.

GEOCHEMICAL ANALYSES: AU, CU, PB, ZN

We use a 0.500 gram sample which is digested in aqua regia for 2 hours at 95°C.

Elements are analyzed by atomic absorption using background correction for Ag and Pb.

Each set of forty samples will include one ore standard and one random duplicate sample. Samples giving silver values greater than 30 ppm are normally assayed. Assays for Cu, Pb, Zn are normally performed on samples having values greater than 1000 ppm.

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13. Tin

Digestion	Finish
Ammonium Iodide Fusion	Hydride generation - A.A.S.

14. Tungsten

Digestion	Finish
Potassium Bisulphate Fusion	Colorimetric or I.C.P.

15. Gold

Digestion	Finish
Fire Assay Preconcentration followed by Aqua Regia	Atomic Absorption

16. Platinum, Palladium, Rhodium

Digestion	Finish
Fire Assay Preconcentration followed by Aqua Regia	Graphite Furnace - A.A.S.

17. Uranium

Digestion	Finish
Hot HCl	Fluorometric

18. Thorium

Digestion	Finish
Hot Aqua Regia	I C P

JJ3/1

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5. **Beryllium**

Digestion	Finish
Hot aqua regia	Atomic Absorption

6. **Bismuth**

Digestion	Finish
Hot aqua regia	Atomic Absorption

7. **Chromium**

Digestion	Finish
Sodium Peroxide Fusion	Atomic Absorption

8. **Fluorine**

Digestion	Finish
Lithium Metaborate Fusion	Ion Selective Electrode

9. **Mercury**

Digestion	Finish
Hot aqua regia	Cold vapor generation - A.A.S.

10. **Phosphorus**

Digestion	Finish
Lithium Metaborate Fusion	I.C.P. finish

11. **Selenium**

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

12. **Tellurium**

Digestion	Finish
Hot aqua regia Potassium Bisulphate Fusion	Hydride generation - A.A.S. Colorimetric or I.C.P.

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GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh nylon sieves.

2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.

METHODS OF ANALYSIS

All methods have either known or in-house standards carried through entire procedure to ensure validity of results.

1. Multi-Element Cd, Cr, Co, Cu, Fe (acid soluble), Pb, Mn, Ni, Ag, Zn, Mo

Digestion	Finish
Hot aqua-regia	Atomic Absorption, background correction applied where appropriate

A) Multi-Element ICP

Digestion	Finish
Hot aqua-regia	ICP

2. Antimony

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

3. Arsenic

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

4. Barium

Digestion	Finish
Lithium Metaborate Fusion	Atomic Absorption