

GEOCHEMICAL AND GEOLOGICAL REPORT
GOLDRUN CREEK PROPERTY
ATLIN MINING DIVISIONS
GOLDRUN CREEK AREA, BRITISH COLUMBIA

LOG NO: 0307 RD.
ACTION:

FILE NO:

LOCATION

N.T.S.: 114P-15W
Latitude: 59° 55' N.
Longitude: 136° 55' W.

CLAIMS

BAR 1 (3492), BAR 2 (3493), BAR 3 (3494), BAR 4 (3495)
BAR 5 (3496), BAR 6 (3497), BAR 7 (3498)

OWNER AND OPERATOR

GOLDBANK VENTURES LTD.
Main Floor 625 4th Avenue SW
Calgary, Alberta T2P 0K2

FILMED

PREPARED FOR

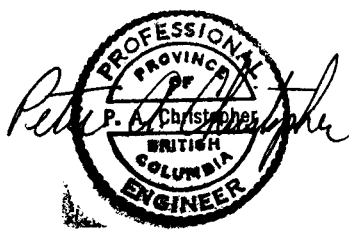
SUTTON RESOURCES LTD.
166-1055 Shellbridge Way
Richmond, British Columbia V6X 2N9

PREPARED BY

PETER A. CHRISTOPHER, PH.D., P.ENG.
PETER CHRISTOPHER & ASSOCIATES INC.
3707 West 34th Avenue
Vancouver, B. C. V6N 2K9

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,756



February 26, 1990

TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY	i
INTRODUCTION	1
LOCATION, ACCESS, PHYSIOGRAPHY	1
PROPERTY DEFINITION	1
HISTORY	2
1988 REGIONAL WORK PROGRAM	3
1989 WORK PROGRAM	3
REGIONAL GEOLOGY	3
PROPERTY GEOLOGY	4
REGIONAL ECONOMIC SETTING	4
MINERALIZATION	5
RECONNAISSANCE GEOCHEMICAL PROGRAM	6
1989 GEOCHEMICAL PROGRAM	7
DISCUSSION	8
CONCLUSIONS AND RECOMMENDATIONS	8
COST ESTIMATES	10
BIBLIOGRAPHY	11
CERTIFICATE	12
ANALYSES & ROCK DESCRIPTIONS RECONNAISSANCE	APPENDIX A
ANALYSES & ROCK DESCRIPTIONS 1989 PROGRAM	APPENDIX B
COST STATEMENTS	APPENDIX C
CONSENT LETTER	

LIST OF TABLES

TABLE 1: PERTINENT CLAIM DATA	2
TABLE 2: SUMMARY OF ROCK GEOCHEMICAL RESULTS	6

LIST OF FIGURES

	<u>After</u>	<u>Page</u>
FIGURE 1: LOCATION MAP		1
FIGURE 2: CLAIM MAP		1
FIGURE 3: REGIONAL GEOLOGY		3
FIGURE 4A: PROPERTY GEOLOGY		4
FIGURE 4B: GRID GEOLOGICAL MAP		4
FIGURE 4C: SUSPECT TERRANES		4
FIGURE 5: PROPERTY PLAN; SAMPLE LOCATIONS	(IN POCKET)	
FIGURE 6A: SOIL GEOCHEMISTRY AU		7
FIGURE 6B: SOIL GEOCHEMISTRY AG		7
FIGURE 6C: SOIL GEOCHEMISTRY ZN		7
FIGURE 6D: SOIL GEOCHEMISTRY PB		7
FIGURE 6E: SOIL GEOCHEMISTRY CU		7
FIGURE 6F: SOIL GEOCHEMISTRY BA		7
FIGURE 6G: SOIL GEOCHEMISTRY NI		7

SUMMARY

The Goldrun Creek Property, consisting of Bar 1 through Bar 7 metric claims totalling 100 units, is situated in the Atlin Mining Division about 96 kilometers south of Haines Junction, Yukon and about 10 kilometers south of the British Columbia-Yukon boundary. The Haines Road is about three kilometers east of the property with four wheel drive trails leading to the property. The property was staked for Goldbank Ventures Ltd. to cover a favourable geological setting, mineral occurrences, and anomalous geochemical results obtained from a reconnaissance exploration program conducted by the Company in September of 1988.

The Goldrun Creek Property straddle the Duke River Fault zone, a northwesterly trending splay of the major Denali Fault System. The property is underlain by a Pennsylvanian to Upper Triassic volcanic and associated sedimentary rock complex of the Alexander Terrane. The Alexander Terrane is of economic interest because it host a number of precious metal enhanced polymetallic and exhalite type volcanogenic deposits. The major Windy Craggy deposit and Greens Creek deposits are situated within Alexander Terrane about 50 kilometers and 220 kilometers to the southeast, respectively. The Windy Craggy deposits is reported to contain about 118 million tonnes grading 1.9% copper and 0.08% cobalt (Northern Miner V.75, No. 50, 1990) and the Greens Creek deposits is reported to contain 3.6 million tons grading 25.3 oz/ton silver, 0.16 oz/ton gold, 10.8% zinc and 4.2% lead (Bundtzen et al., 1986).

The Goldrun Creek Property contains the "Barite Mountain", "Zinc Mountain" and "Massive Sulphide Creek" mineral occurrences. The Barite Mountain showing, a massive bedded barite exposure, discovered by Goldbank Ventures Ltd., has returned grab sample geochemical values up to 6700 ppb gold, 227.0 ppm silver and 51% barium. The "Zinc Mountain" showing consists of mineralization in place and in the talus slope of the metasedimentary and volcanic rock sequence which underlies "Zinc Mountain" (Figure 5). Grab samples have returned values up to 94447 ppm zinc, 60289 ppm lead and 150.7 ppm (4.37 oz Ag/ton) silver. The "Massive Sulphide Creek" occurrence is associated with a strong gossan which reflects strong (to >15%) sulphide content in mafic volcanics but preliminary work has not revealed a strong base or precious metal association.

The potential for the Goldrun Creek property hosting a stratabound gold-silver-barite deposit and/or polymetallic volcanogenic massive sulphide deposits appears to be excellent. Potential also exists for structurally controlled polymetallic quart-carbonate-barite veins and stringer zones.

Further exploration is required on the Goldrun Creek property to define the extent and nature of the known mineral occurrences and to assess the economic potential of unexplored areas. The writer has outlined a success contingent staged exploration program with a Stage I prospecting, geological mapping, grid geochemical surveys, trenching, road construction and 1000 meter diamond drilling program estimated to cost \$250,000. A contingent Stage II, 2000 meter diamond drilling program is estimated to cost \$300,000.

INTRODUCTION

The Goldrun Creek Property, consisting of the Bar 1 through 7 metric claims totalling 100 units, is by Goldbank Ventures Ltd. of Calgary, Alberta. The claims cover about 2500 ha. (6177 acres) in the Atlin Mining Division in northwestern British Columbia. The property was staked by prospector Edward W. Hayes after a successful 1988 reconnaissance exploration program.

This report contains a compilation of the 1988 reconnaissance exploration program and 1989 property work program. Further success contingent staged exploration program have been outlined.

LOCATION AND ACCESS (Figures 1 & 2)

The Goldrun Creek Property is situated in the Atlin Mining Division, northwest British Columbia. The property straddles Goldrun Creek about 10 kilometers south of the British Columbia-Yukon boundary and about 96 kilometers south of Haines Junction, Yukon. The property is centered at about geographic coordinates 59°55'N. latitude and 136°55'W. longitude in N.T.S. map sheet 114P-15W.

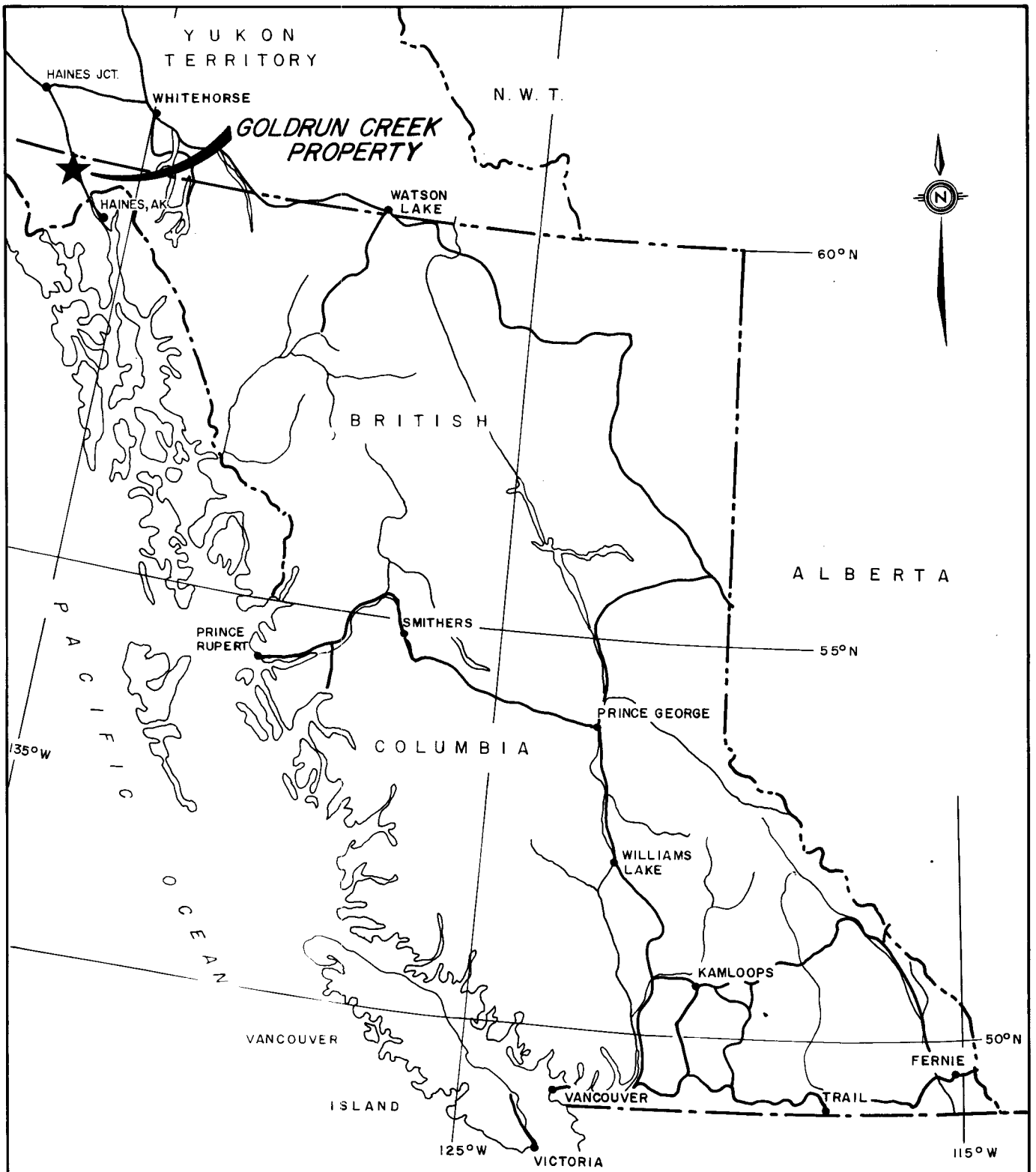
Access to the property from Whitehorse, Yukon is via the Alaska Highway to Haines Junction and Haines Road to Goldrun Creek. The property is readily accessible by 4-wheel drive or by foot from a cat-trail which originates from the Haines Road some 3 kilometers to the east of the property.

The Goldrun Creek property lies within the Squaw Range of the Tatshenshini River drainage area. Topographic relief is moderate to rolling alpine in the east two thirds of the property, with elevations generally between 3500 feet (1069 meters) and 4500 feet (1372 meters). The property is more rugged on the west third where steeper slopes and higher elevations (up to 6100 feet (1859 meters)) are encountered. Goldrun Creek passes through the central portion of the claim block and flows in an easterly direction to the Tatshenshini River. A fairly thick mantle of glacial drift is present in the Goldrun Creek drainage valley and within the lower elevations of the property. Tree line is at about 3000 feet with stunted buckbrush covering hills to about 3800 feet and alpine conditions existing above 3800 feet.

PROPERTY DEFINITION (Figure 2)

The Goldrun Creek Property, consisting of the Bar 1 through Bar 7 metric claims totalling 100 units, covers a maximum possible area of 2500 ha. (6177 acres) in the Atlin Mining Division, British Columbia.

The Bar claims were staked by prospector Edward W. Hayes between on December 7, 1988. Goldbank Ventures Inc. is the beneficial owner of the property with Sutton Resources Ltd. presently holding an option to acquire a working interest in the property. Pertinent claim data for the Goldrun Creek Property is presented in Table 1 with claim locations summarized on Figure 2.

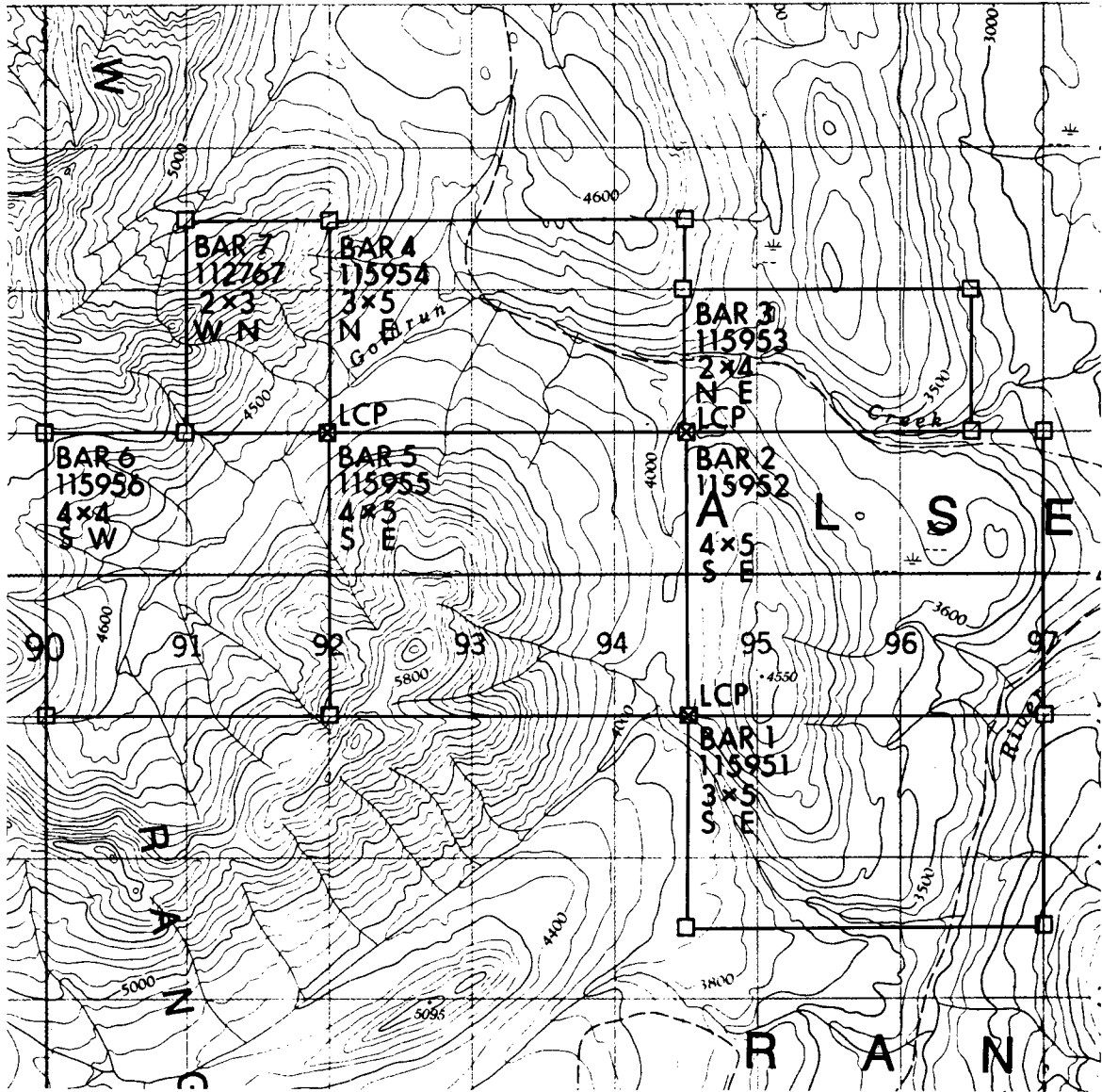


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**GENERAL LOCATION MAP
GOLDRUN CREEK PROJECT
ATLIN MINING DIVISION, B.C.**



Project No:	By:
Scale: 1 : 8 000 000	Drawn: J. S.
Figure No: 1	Date: February 1990



GOLDBANK VENTURES LTD.

**GOLDRUN CREEK PROJECT
CLAIM MAP**

ATLIN MINING DIVISION, B.C.



Project No:	By:
Scale: 1:50,000	Drawn: WELLENS DRAFTING
Figure No: 2	Date: February 1990

TABLE 1 - PERTINENT CLAIM DATA FOR GOLDRUN CREEK PROPERTY.

<u>Claim</u>	<u>Units/Shape</u>	<u>Staked</u>	<u>Expiry*</u>	<u>Rec.#</u>	<u>Staker</u>
Bar 1	15/3Sx5E	Dec.7/88	1991	3492	Ted Hayes
Bar 2	20/4Sx5E	Dec.7/88	1991	3493	Ted Hayes
Bar 3	8/2Nx4E	Dec.7/88	1991	3494	Ted Hayes
Bar 4	15/3Nx5E	Dec.7/88	1991	3495	Ted Hayes
Bar 5	20/4Sx5E	Dec.7/88	1991	3496	Ted Hayes
Bar 6	16/4Sx4W	Dec.7/88	1991	3497	Ted Hayes
Bar 7	6/3Nx2W	Dec.7/88	1991	3498	Ted Hayes

* After acceptance of assessment work summarized in this report.
 =====

HISTORY

The Goldrun Creek Property is overlain by auriferous alluvial sedimentary deposits along Goldrun Creek (previously Blizzard Creek) which were first discovered and worked for placer gold in 1933 (Government Mineral Inventory N.T.S. 114P #16). Placer workings occur along Goldrun Creek about 1.5 miles from its mouth. According to Watson (1948) most of the work at the time appeared to have been done in a 2 mile section in the lower part of Goldrun Creek, immediately west of the Tatshenshini Valley. The early prospectors were apparently discouraged by only fine gold in creek gravel and large boulders present in the auriferous channel. Active placer claims were observed on Goldrun Creek during the 1988 reconnaissance program.

Squaw Creek, the headwaters of which are located approximately 12 kilometers northwest of the Goldrun Creek property, contains placer gold deposits which have been intermittently active since 1924. Watson (1948) estimated that the early gold production from the British Columbia section of Squaw Creek was approximately 5,000 ounces with much of the production consisting of very coarse gold. Nuggets weighing more than an ounce were reportedly common and one weighing over 46 ounces was found in 1937 on the discovery claim. Cooke (1986) and Troup (1984) reported on attempts to locate the source of the placer gold on Squaw Creek, but no economic values for gold or silver were reported.

Given the favourable geological setting and presence of placer gold, Goldbank Ventures Ltd. conducted a reconnaissance exploration program of the Goldrun Creek area from September 11 to September 16, 1988. The program consisted of prospecting, panned heavy mineral concentrate (HMC) sampling and rock grab sampling. Twenty nine rock grab and 13 HMC samples were collected and submitted to Min-En Laboratories Ltd. in North Vancouver, B.C. for geochemical analysis. After grab samples from a bedded barite exposure returned geochemical values up to 0.135 oz Au/ton, 6.58 oz Ag/ton and 37.8% barium, the Bar 1 through Bar 7 claims were staked for Goldbank Ventures Ltd. on December 7, 1988.

In February 1989, the writer was retained by Goldbank Ventures Ltd. to prepare a preliminary assessment of the Goldrun Creek Property. The writer recommended a Stage I program consisting of geological mapping, detailed prospecting, and geochemical sampling with grid mapping, trenching and sampling of the "Barite Mountain" showing. The recommended Stage I program was initiated between September 6 and September 14, 1989. This report summarizes the results of the 1988 and 1989 programs.

1988 REGIONAL WORK PROGRAM

Regional geological and geochemical exploration work in the amount of \$14,903.53 was carried out between September 11th and September 16th, 1988. The program included 29 rock grab samples and 13 panned heavy mineral concentrate (HMC) samples. Samples were submitted to Min-En Laboratories Ltd. in North Vancouver, B.C. for 31 element ICP and gold geochemical analysis by Atomic Absorption. Five samples were assayed for barium and one sample was assayed for gold. Sample locations and selected results are presented in Figure 5. Rock descriptions and results of geochemical analyses are presented in Appendix A.

1989 WORK PROGRAM

Geological and geochemical exploration in the amount of \$15,536.52 was carried out on the Bar 1 through Bar 7 claims between September 6th and September 14th, 1989. Geological mapping was centred on the "Barite Mountain" showing and employed 20 chain air photos as a base. Geological mapping is shown on Figures 4A and 4B. A 750 line-meter grid was established over the barite showing in order to test the association between soil geochemical and lithochemical results. A total of 49 rock samples and 80 soil samples were analyzed by ICP methods at Rossbacher Laboratory Ltd. Geochemical values for Au, Ag, Zn, Pb, Cu, Ba, and Ni are shown on Figures 6A through 6G, respectively. Rock sample locations are shown on Figures 4A, 4B and 5. Geochemical results and rock sample description for the the 1989 work program are presented in Appendix B.

Appendix C presents cost statements for the 1988 reconnaissance program and 1989 property work program.

GENERAL GEOLOGY (Figure 3)

The regional geology of the Goldrun Creek Area was mapped in 1948 by K. de P. Watson and published in B.C.D.M. Bulletin No. 25, and in 1983 at a scale of 1:125,000 by R.B. Campbell and C.J. Dodds of the Geological Survey of Canada and published in Open File 926. The later work (Figure 3) shows the NW trending Duke River Fault (DRF) trace passing through the northeast corner of the Goldrun Creek property, some 30 kilometers north of where it splays from the major Denali Fault System.

Southwest of the Duke River Fault, the Goldrun Creek property is hosted within "Alexander Terrane". Campbell and Dodds (1983) show the property geology as northwest trending Pennsylvanian to Upper Triassic



after Campbell and Dodds, 1983
G.S.C. Open File 926

STRATIFIED ROCKS

Qs undivided surficial deposits: incl. glacial deposits, alluvium, and colluvium.

TERTIARY
NEOGENE AND (?) OLDER
MIOCENE TO PIOCENE AND (?) OLDER

Nv basaltic flows; minor rhyolitic flows and tuffs: probably equiv. to Mv, but may in part be equiv. to Pvs: (114P/11.15).

JURASSIC AND CRETACEOUS
UPPER JURASSIC TO LOWER CRETACEOUS

JKD **DEZADEASH GROUP:**
Intbd. light to dark buff grey lithic greywacke, sandstone, siltstone, thin dark grey shale, argillite, and conglomerate; mass flow conglomerate common in middle part; rare light grey tuff. (flysch; deep marine fan deposits, ~3000 m.) R. meta. generally (1), but up to (2a). (115A/4), 115F/15; 114P/15).

TRIASSIC
UPPER TRIASSIC

URM **MCCARTHY FORMATION** (lower calcareous member): thin intbd., light to dark grey argillaceous limestone and dark grey argillite: (marine: 0 to 400 m.)

URC **CHITSTONE and NIZINA LIMESTONES:** massive light grey limestone, limestone breccia, and darker grey, well bedded limestone: (shallow marine; lowest part intratidal - supratidal, local sabkha: 0 to 700 m.): loc. may incl. URM.

PALEOZOIC AND/OR MESOZOIC

PRv basic volcanics (loc. pillowed), greenstone; loc. may incl. sediments may be Pv and/or URM, and incl. Pbb; loc. may incl. older: R. meta. to (2): (115A/3; 114P/9,14,15,16).

(?) LATEST PENNSYLVANIAN TO LOWER PERMIAN

Ps **HASEN CREEK FORMATION:**
thin bedded siliceous argillite, siltstone, minor greywacke and conglomerate; loc. thin basaltic flows (some pillowed), breccia and tuff: (marine: 0 to 800 m.): may loc. incl. Pv, Pc, Psub, Pbb; R. meta. to (2): may incl. R. and U. Trias., JKD in 114P/15.

PENNSYLVANIAN TO (?) EARLIEST PERMIAN

Psv **STATION CREEK FORMATION:**
(island arc volcanics and volcaniclastics)
tuff, breccia, siliceous argillite, rare andesite flows: may loc. incl. Ps: R. meta. to (2) (115A/3,6; 114P/14,15).

Pv **Mush Lake area (115A/3,6):** pred. flows: incl. dark green massive porphyritic (augite) basalt to andesite flows (loc. pillowed); minor volcanic breccia, rare argillite; also in 114P/15; loc. Pv unit may incl. Psub, Pbb, URM: R. meta. commonly to (2b).

UPPER PALEOZOIC AND (?) OLDER AND YOUNGER
DEVONIAN TO LATEST TRIASSIC AND (?) OLDER

UPp black siliceous argillite, argillite (loc. calcareous); incl. intbd. argillite, dark siltstone; rarer buff limestone or marble, and black ultramafic "pods" and dykes: in 115B/16; (?) equiv. to Mv, Pv, or Dp, with Psub. In 115A/3; 114P/10,14,15: incl. mid Dev., mid and upper Trias., with suspected L. Perm.

UPc massive light grey and thin bedded dark grey limestone or marble, loc. buff grey crinoidal limestone: in 115G/4, 114P/10,14,15: incl. mid Dev., (?) Carb., L. Perm., and Upper Trias.

UPo intbd. buff to darker buff grey qtz.-rich, siltstone-sandstone-siliceous argillite; loc. incl. quartzite and rarer conglomerate and meta. equiv.: in part could be equiv. to OS-up, or Pso: C. meta. by Oq: R. meta. low to mid (3): (114P/10,14,15).

INTRUSIVE ROCKS

CRETACEOUS TO TERTIARY

KTg **COAST PLUTONIC COMPLEX:**
bio. hbde, granodiorite, bio., hbde qtz. diorite: multiphase plutonic complex: regional C. meta. of JKD to give "Kluane Schists": (115B/16; 115A/2; 114P/9,15,16).

Ktb medium to coarse grained, dark grey hbde, pyx. gabbro; minor hbde, qtz. diorite, diabase: (?)equiv. to IKb or Tert.: (115A/2; 114P/7,15).

MESOZOIC AND/OR OLDER
(?) LATE PALEOZOIC AND/OR MESOZOIC

Mb **"SQUAM-DATLASAKA RANGES GABBRO-DIABASE SILLS":**
medium to dark rusty grey green, massive to schistose greenstone: pred. meta. hbde, gabbro or diabase sills; loc. may incl. basic volcanics: (?) equiv. to Pbb, but have similarities to COb: sills are folded and faulted with R. meta. (2) to low (3): (115A/3; 114P/10,14,15).



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GOLDRUN CREEK PROJECT
REGIONAL GEOLOGY
ATLIN MINING DIVISION, B.C.

Project No:	By:
Scale: 1:125,000	Drawn: WELLENS DRAFTING
Figure No: 3	Date: February 1990

(?) sequence of siliceous to calcareous black to dark gray argillite, siltstone, sandstone, and massive, light gray-buff, thin bedded limestone or marble. This sequence has been pervasively metamorphosed to very low grade to medium grade greenschist facies rocks.

Northeast of the Duke River Fault, the Goldrun Creek Property is hosted within "Wrangellia Terrane". The area is underlain by basic, locally pillowed volcanics with thin units of tuff, breccia, siliceous argillite and rare andesite flows of Pennsylvanian to Early Permian (?) age. The sequence has been subject to low grade metamorphism with part of the sequence referred to as greenstone.

A area of Tertiary volcanic rocks, which post-date the Duke River Fault trace, has been mapped on the east border of the property. The Tertiary volcanic rocks consist of basaltic flows with minor rhyolite flows and tuffs which were intruded by gabbro, quartz diorite, and diabase of the Coast Plutonic Complex.

The structural grain of the property is northwest-southeast with moderate to steep westerly dips.

PROPERTY GEOLOGY (Figure 4)

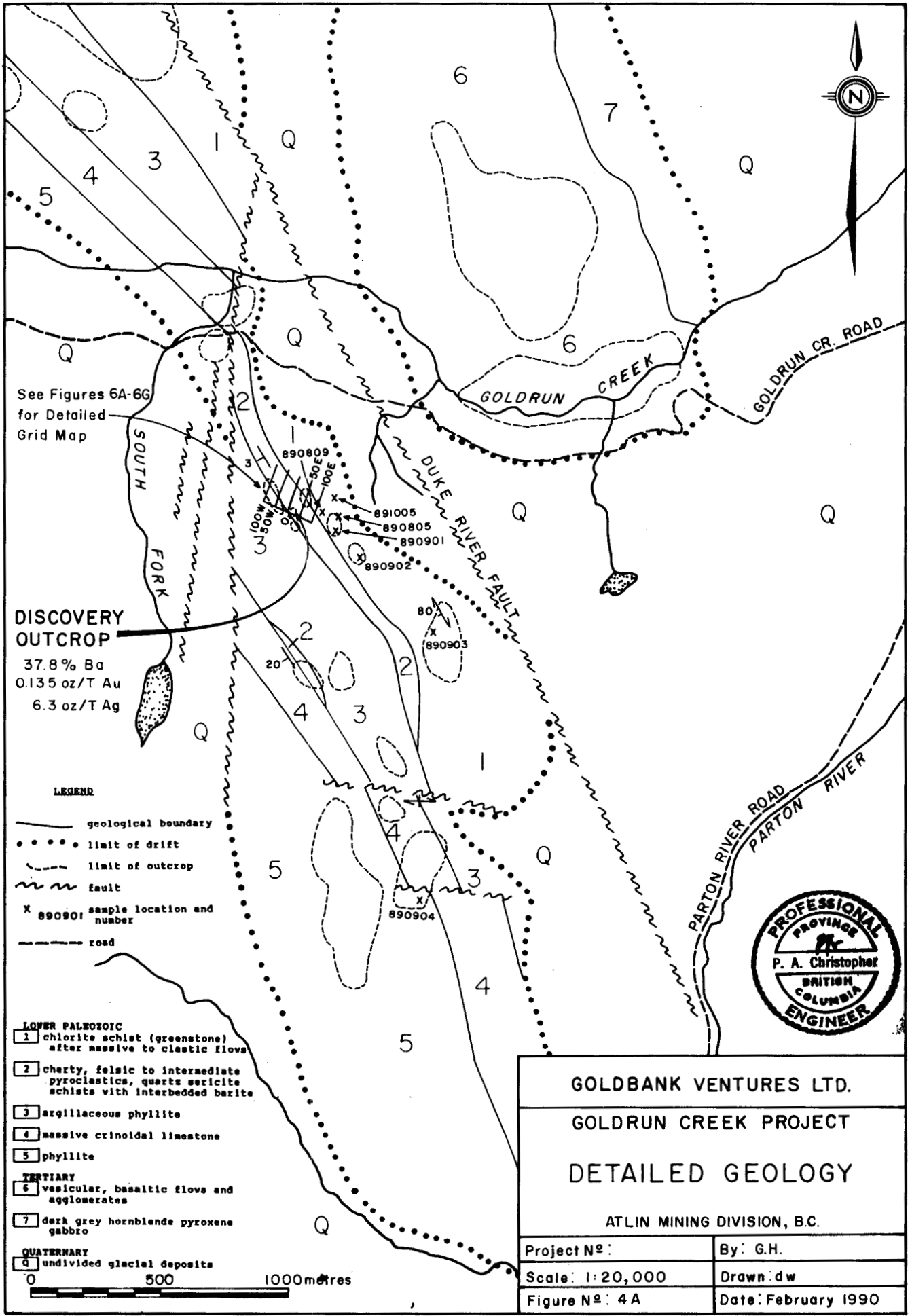
The property geology shown on Figure 4A and Figure 4B was mapped by T.E.G. Hawkins during a geochemical and geological evaluation of the "Barite Mountain" showing. He shows the area to be underlain by five sedimentary units of Lower Paleozoic age, basaltic volcanics of Tertiary age, Tertiary gabbro and undivided Quaternary glacial deposits along Goldrun Creek. The north-northwest trending Duke River Fault trace is shown just east of the Barite Mountain grid and northerly trending faults sub-parallel South Fork Creek.

The stratigraphy sub-parallel the Duke River Fault trend with units dipping at 20° to 50° westerly. The Barite Mountain showing is in a baritic cherty pyroclastic horizon (unit 2 Figure 4A). Hanging wall rocks are argillaceous phyllites and footwall rocks to the Barite Mountain showing are mappable as either chlorite schist or greenstone. Outcrops of Tertiary basaltic volcanic rocks and Tertiary hornblende pyroxene gabbro occur northeast of the Barite Mountain showing and north of Goldrun Creek.

Figure 4B is a grid geological map of the Barite Mountain showing area. A northeast trending fault with left lateral offset has been interpreted to bisect the grid area. The stratigraphy trends north-northwest with westerly dips of 40° to 50°. A baritic cherty tuff horizon occurs near the contact of footwall greenstone and hanging wall argillite or phyllite.

REGIONAL ECONOMIC SETTING

The "Alexander Terrance", which underlies the Goldrun Creek Property, is an accreted block composed of Precambrian through Mesozoic volcanic, clastic, and volcanoclastic rock units (Figure 4A). The block contains several Permo-Triassic polymetallic volcanogenic and exhalite mineral deposits. The "Alexander Terrance" contains the Windy Craggy copper-cobalt-gold and Mt. Henry Clay barium-zinc-silver deposits in the north to massive sulphide occurrences as far south as Prince of Wales Island, Alaska.



See Figures 6A-6G
for Detailed
Grid Map

**DISCOVERY
OUTCROP**
37.8% Ba
0.135 oz/T Au
6.3 oz/T Ag

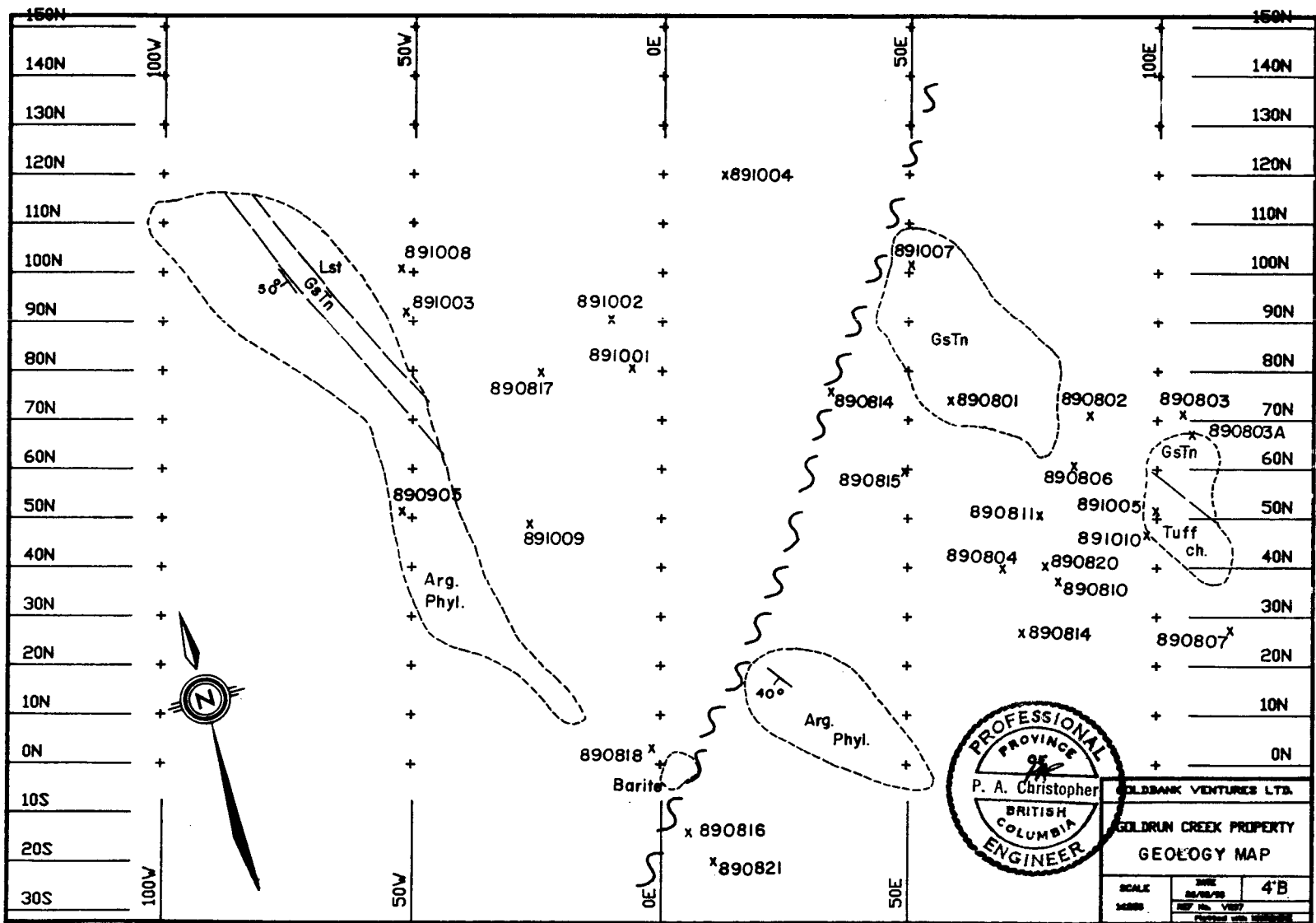
- LEGEND**
- geological boundary
 - limit of drift
 - - - - - limit of outcrop
 - ~~~~~ fault
 - X 890901 sample location and number
 - - - - - road

- LOWER PALEOZOIC**
- 1 chlorite schist (greenstone) after massive to clastic flows
 - 2 cherty, felsic to intermediate pyroclastics, quartz sericitic schists with interbedded barite
 - 3 argillaceous phyllite
 - 4 massive crinoidal limestone
 - 5 phyllite
- TERTIARY**
- 6 vesicular, basaltic flows and agglomerates
 - 7 dark grey hornblende pyroxene gabbro
- QUATERNARY**
- Q undivided glacial deposits

0 500 1000 metres



GOLDBANK VENTURES LTD.	
GOLDRUN CREEK PROJECT	
DETAILED GEOLOGY	
ATLIN MINING DIVISION, B.C.	
Project No:	By: G.H.
Scale: 1:20,000	Drawn: dw
Figure No: 4A	Date: February 1990



x ROCK SAMPLE LOCATION

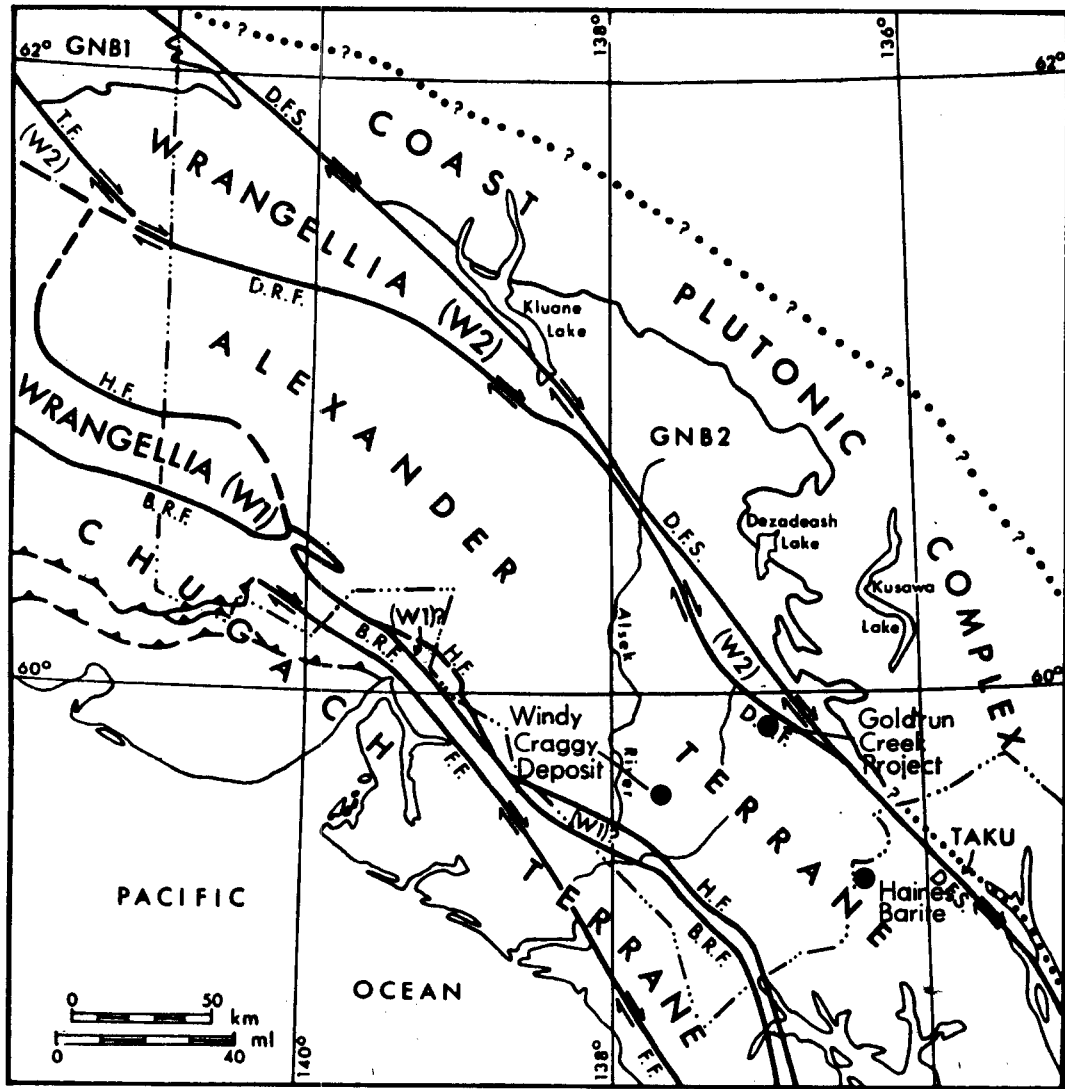
~ FAULT

--- OUTCROP BOUNDARY

Lst - LIMESTONE

GsTn - GREENSTONE

Tuff ch - CHERTY TUFF



Location of Goldrun Creek property relative to Windy Craggy and Haines Barite deposits. Suspect terranes defined by Campbell and Dodds (1983). D.R.F. = Duke River Fault; D.F.S. = Denali Fault System.



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GOLDRUN CREEK PROJECT
 ALEXANDER TERRANE
 ATLIN MINING DIVISION, B.C.

Project No:	By:
Scale: 1: 2,700, 000	Drawn: WELLENS DRAFTING
Figure No: 4C	Date: February 1990

The Windy Craggy deposit, located 50 kilometers southwest (Figure 4C) of the Goldrun Creek property is reported to contain 118 million tonnes grading 1.9% copper, 0.08% cobalt, 0.19 grams gold per tonne and 3.26 grams silver per tonne (Northern Miner V. 75 No. 50, 1990), but the full extent of the deposit has not been defined. The deposit is hosted by Late Triassic basalts with limy and cherty interbeds. Geddes Resources Ltd. of Toronto is presently developing the Windy Craggy Deposit.

The Greens Creek deposit is a major sediment-hosted, volcanogenic massive sulphide. The deposit is located on North Admiralty Island about 29 kilometers southwest of Juneau, Alaska and about 220 kilometers southeast of the Goldrun Creek property. The deposit is reported to contain proven reserves of 3.6 million tons grading 25.3 oz Ag/ton, 0.16 oz Au/ton, 10.8% zinc, and 4.2% lead (Bundtzen et al., 1986). Ore minerals include sphalerite, galena, barite, chalcopyrite, and pyrrhotite. The host rock is an exhalite horizon of regional extent. Mineralization is situated between a structurally complex hanging wall of mixed, tuffaceous-exhalitive rocks and a footwall of black carbonaceous argillite (Dressler and Dunbire, 1981). Greens Creek Mining Company (a subsidiary of BP Minerals America), operator of the project, is preparing the deposit for production.

The Mt. Henry Clay (Haines) Barite deposit, located 50 kilometers southeast of the Goldrun Creek Property (Figure 4C), is a major stratiform Ba-Pb-Zn-Cu-Ag deposit consisting of a 48 to 60 foot thick zone of barite capped by a 2 to 8 foot thick zone of massive sulphide. The massive sulphide is reported to contain 2% lead, 3% zinc, 1% copper, 2 to 4 oz Ag/ton, and 0.12 oz Au/ton. Reserves are estimated at 750,000 tons of 65% barite (Bundtzen et al., 1986). The host rock has been mapped as a sericite schist (Still, 1984) which occurs within pillow-basalt dominated sections of Paleozoic or Triassic age.

MINERALIZATION

Three types of mineral occurrences were located within the area of the Goldrun Creek Property in 1988. A small exposure (4m. x 4m.) of bedded barite was found on what has been called Barite Mountain by the writer. Barite sample (#9134A) consisted of alternating white to light gray crystalline barite which was slightly fractured and iron-stained from oxidation of finely disseminated sulphides. The bedded barite is overlain by an intensely altered, solution brecciated, partly schistose, baritic limestone unit which contains from 0.5% to 5% disseminated sulphides in breccia. Sulphides were identified as pyrite, chalcopyrite, galena, and sphalerite with minor sericite mica in the gangue.

Grab sample #9134A from the "Barite Mountain" showing returned values of 0.135 oz Au/ton, 6.58oz Ag/ton and 37.8% barium and encouraged completion of an orientation geochemical survey over the "Barite Mountain" showing. Significant rock geochemical samples obtained from the showings are summarized in Table 2. Rock samples collected during the 1989 field program contained up to 6700 ppb gold (0.240 oz Au/ton) and 211.5 ppm silver (7.10 oz Ag/ton) from sample 890817 of buff weathered, grey baritic cherty tuff with 10-15% disseminated and banded pyrite. Sample 891001 contained the highest

base metal values with 12.1% lead and 9.1% zinc. Barium values range up to 51.0% in sample 890821 with large discrepancies between assay and ICP values (see Table 2, Figures 4A, 4B & 5).

Table 2. Summary of Significant Rock Geochemical Results.

Sample	Type	Au ppb	Ag ppm	Pb ppm	Zn ppm	Ba ppm(%)	Comments
09134A	Grab	4630	227.0	554	163	(37.80)	ICP Ba 5094ppm
09134B	"	410	34.7	1373	1594	(31.60)	ICP Ba 2144ppm
09135	"	325	32.2	759	1573	(25.10)	ICP Ba 2519ppm
09145	"	4	5.9	566	33685	(0.70)	ICP Ba 1013ppm
09148	"	1	15.4	312	84934	300	
09149	"	24	150.7	60289	94557	246	
890815	"	90	50.6	1509	15398	112	
890816	"	540	44.7	2205	1961	(50.50)	ICP Ba 734ppm
890817	"	6700	211.5	1705	1282	(23.20)	ICP Ba 342ppm
890818	"	700	86.0	2930	1757	(39.20)	ICP Ba 261ppm
890821	"	1380	175.6	235	414	(51.00)	ICP Ba 2369ppm
891001	"	220	77.8	12134	9127	(1.88)	ICP Ba 58ppm
891002	"	3300	94.5	342	3956	(10.40)	ICP Ba 113ppm
891008	"	1720	56.0	1714	3094	(50.75)	ICP Ba 242ppm
891009	"	1840	60.0	1125	690	(6.25)	ICP Ba 645ppm

RECONNAISSANCE GEOCHEMICAL PROGRAM

The 1988 reconnaissance program consisted of included 29 rock grab and 13 panned heavy mineral concentrates (HMC). The HMC, consisting of 500 grams of minus 10 mesh concentrate, were submitted to Min-En Laboratories Ltd., North Vancouver, B.C. for 31 element ICP analysis and gold atomic absorption analysis. The 29 rock samples were analyzed by Min-En Laboratories Ltd. for 31 element ICP and gold by atomic absorption. Selected rock pulps were assayed for gold and/or barium. Sample locations and selected results are presented in Figure 5 with rock descriptions and analytical results presented in Appendix A.

Results

Rock geochemical samples contained up to 227.0 ppm silver and 3450 ppb gold (assay 0.135 oz Au/ton) for sample 09134A from the Barite Mountain showing. Samples 09134B and 09135, also from the Barite Mountain showing, contained 410 ppb and 325 ppb gold, respectively. The strongest lead and zinc responses of 60289 ppm lead and 94557 zinc were obtained from sample 09149 of a limestone-barite horizon on Zinc Mountain. Barite ICP values in rocks range from 4 ppm to 5094 ppm but assays of pulps showed values up to 37.80% which indicates that ICP yields only partial barite content.

HMC samples gave values up to 2.4 ppm silver, 717 ppm barium, 41 ppm arsenic, 197 ppm nickel, 270 ppm zinc, 698 ppm copper and 10 ppb gold. Acquisition of additional data is required for statistical evaluation of HMC results. A comparison with regular stream sediments samples should help evaluate the utility of HMC sampling.

1989 GEOCHEMICAL PROGRAM

A geochemical sampling program, consisting of 49 rock grab samples and 80 grid soil samples were collected from the Goldrun Creek Property. A 750 line-meter grid was established over the Barite Mountain showing to evaluate the usefulness of the soil geochemical method. Soil samples were collected at 10 meter intervals along lines spaced at 50 meter intervals. Samples were submitted to Rossbacher Laboratories Ltd. for ICP, gold AA analysis and selective assay analyses. Rock sample descriptions and certificates of analysis are presented in Appendix B. Significant rock results are summarized in Table 2 with samples located on Figures 4A, 4B, and 5.

Based on a review of the geochemical results from the grid area, gold, silver, zinc, lead, copper, barium and nickel were selected for plotting with values plotted and contoured on Figures 6A through 6G, respectively. Geochemical results for selected elements are summarized below:

Gold

Gold values in soils varied from the detection limit of 5 ppb to 1400 ppb at LO 90N with values of 10ppb considered of interest and values of 50 ppb considered strongly anomalous. A total of 22 values of interest were obtained with 14 strongly anomalous. Thirteen of the 73 rock samples contained over 50 ppb gold with grab sample 890817 containing 6700 ppb gold. Gold contents of soils are contoured on Figure 6A with anomalous gold values appearing to follow silver (Figure 6B) and barium (Figure 6F).

Silver

Silver values in soils varied from 0.2 ppm to 33.6 ppm at LO 90N with values over 2.0 ppm considered of interest and plotted and contoured on Figure 6B. The grid area is anomalous for silver with 57 of 80 soil samples containing over 2.0 ppm silver.

Zinc

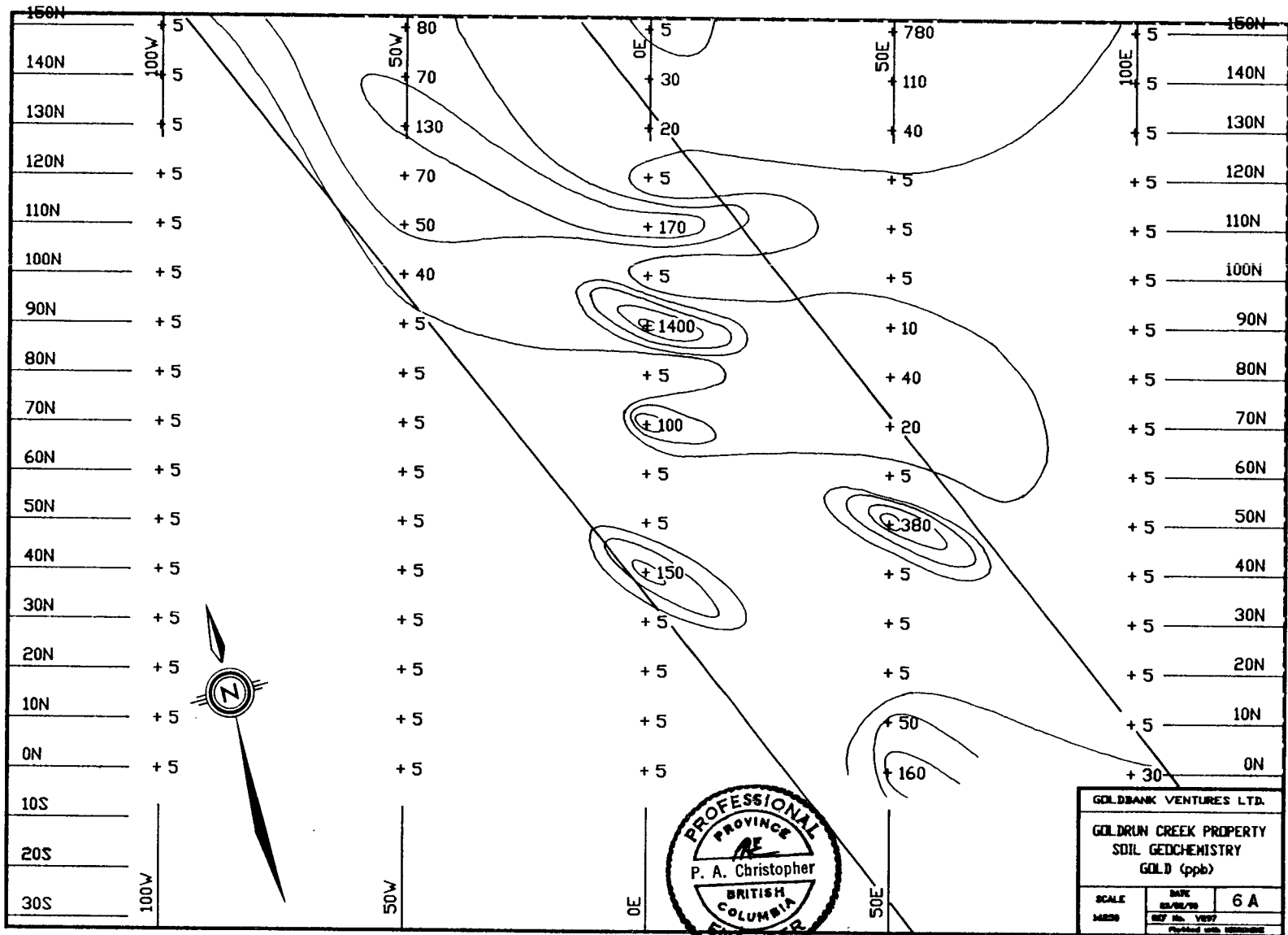
Zinc values in soils varied from 66 ppm to 1517 ppm at LO 40N. Zinc values are contoured on Figure 6C. The zinc pattern appears to be similar to the barium pattern.

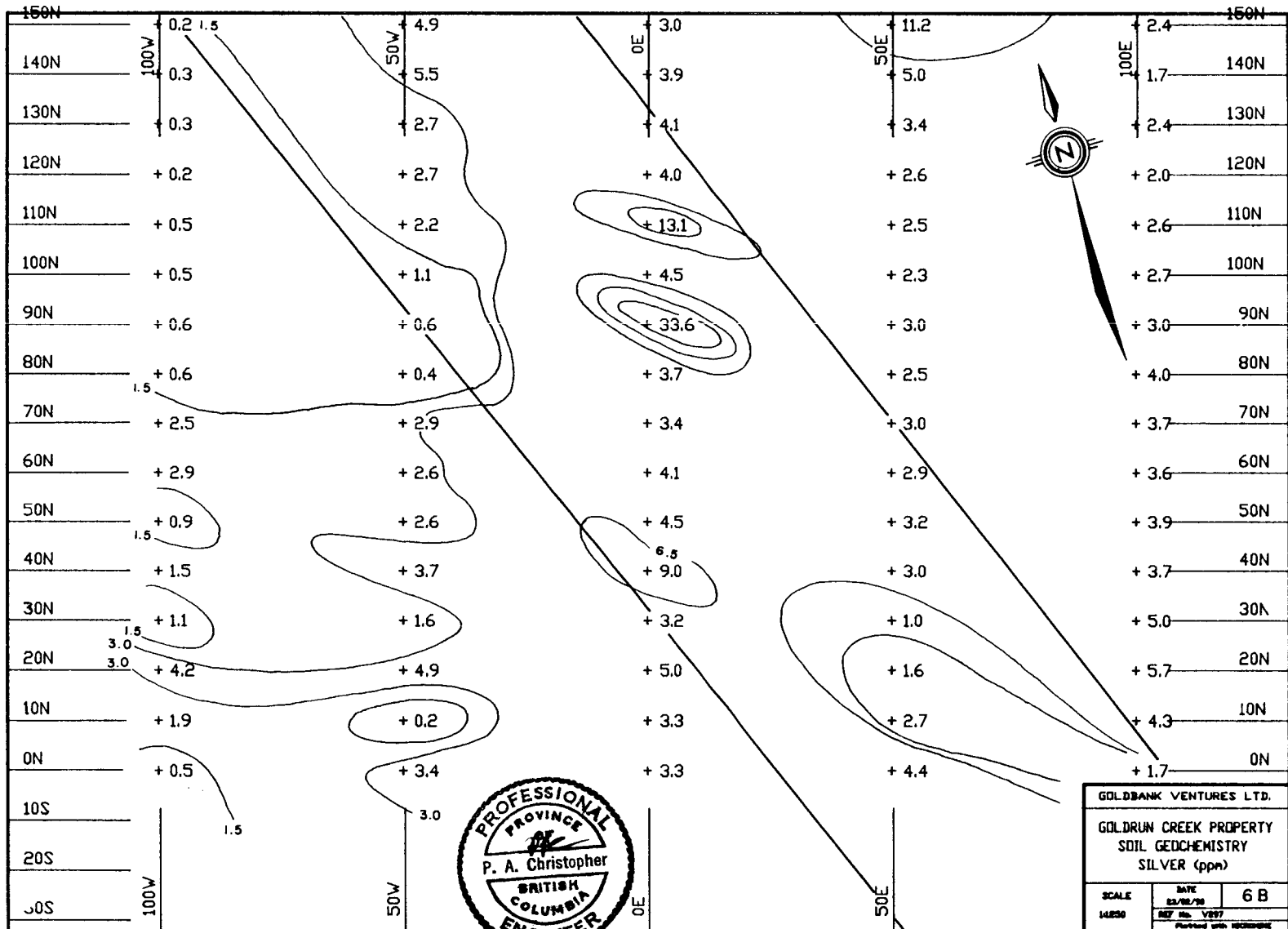
Lead

Lead values in soils varied from 1 ppm to 316 ppm with 18 values over 40 ppm considered of interest and 7 values over 100 ppm considered strongly anomalous. Lead values are contoured on Figure 6D. The lead pattern follows zinc, barium and silver.

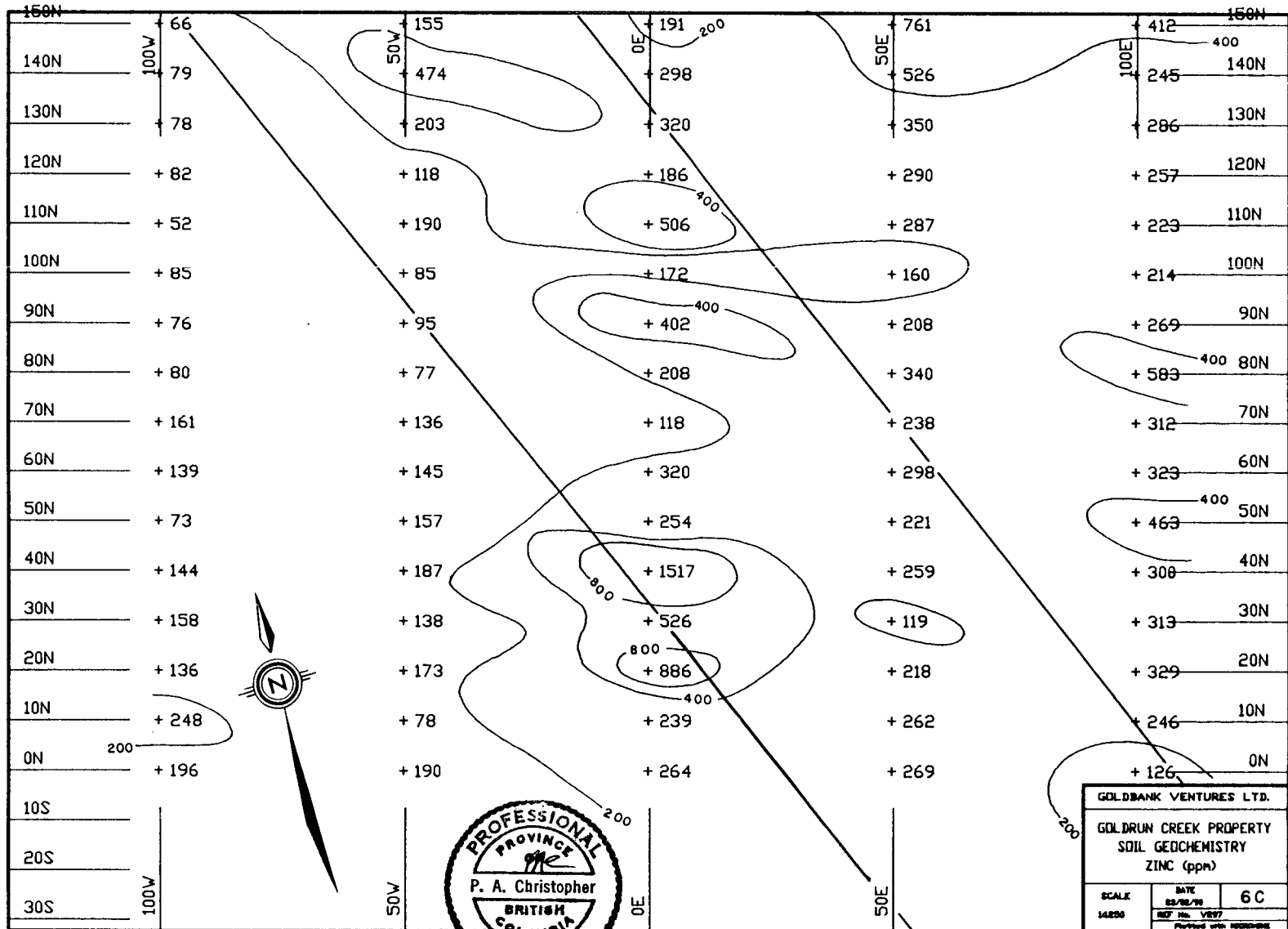
Copper

Copper values in soils varied from 21 ppm to 711 ppm with the strongest response at the northern end of L50W. The copper values, contoured on Figure 6E, have a contour pattern similar to nickel.





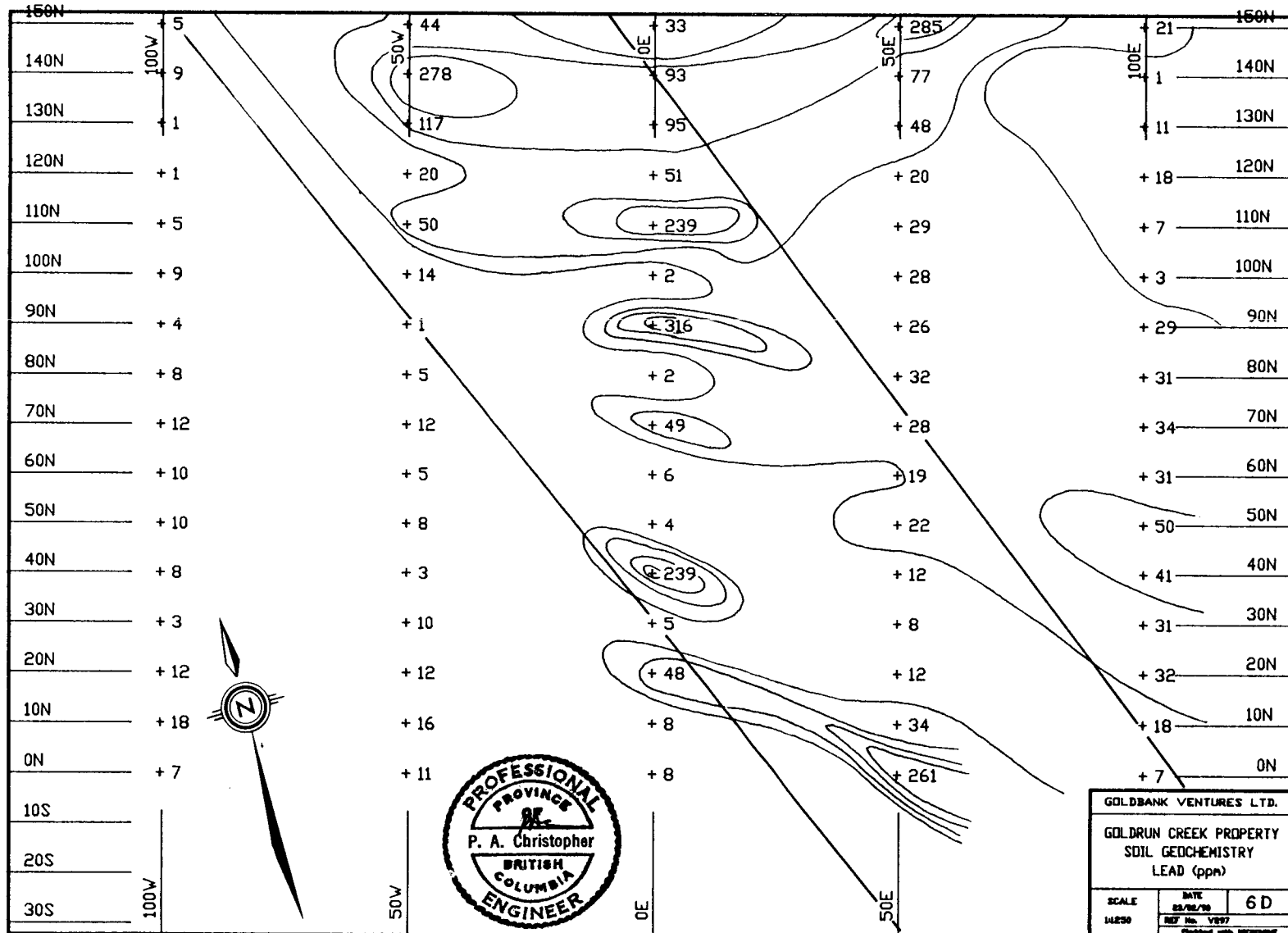
GOLDBANK VENTURES LTD.		
GOLDRUN CREEK PROPERTY SOIL GEOCHEMISTRY SILVER (ppm)		
SCALE 1:850	DATE 03/05/98	6 B
	REF No. V297	
Printed with HCL/2000		



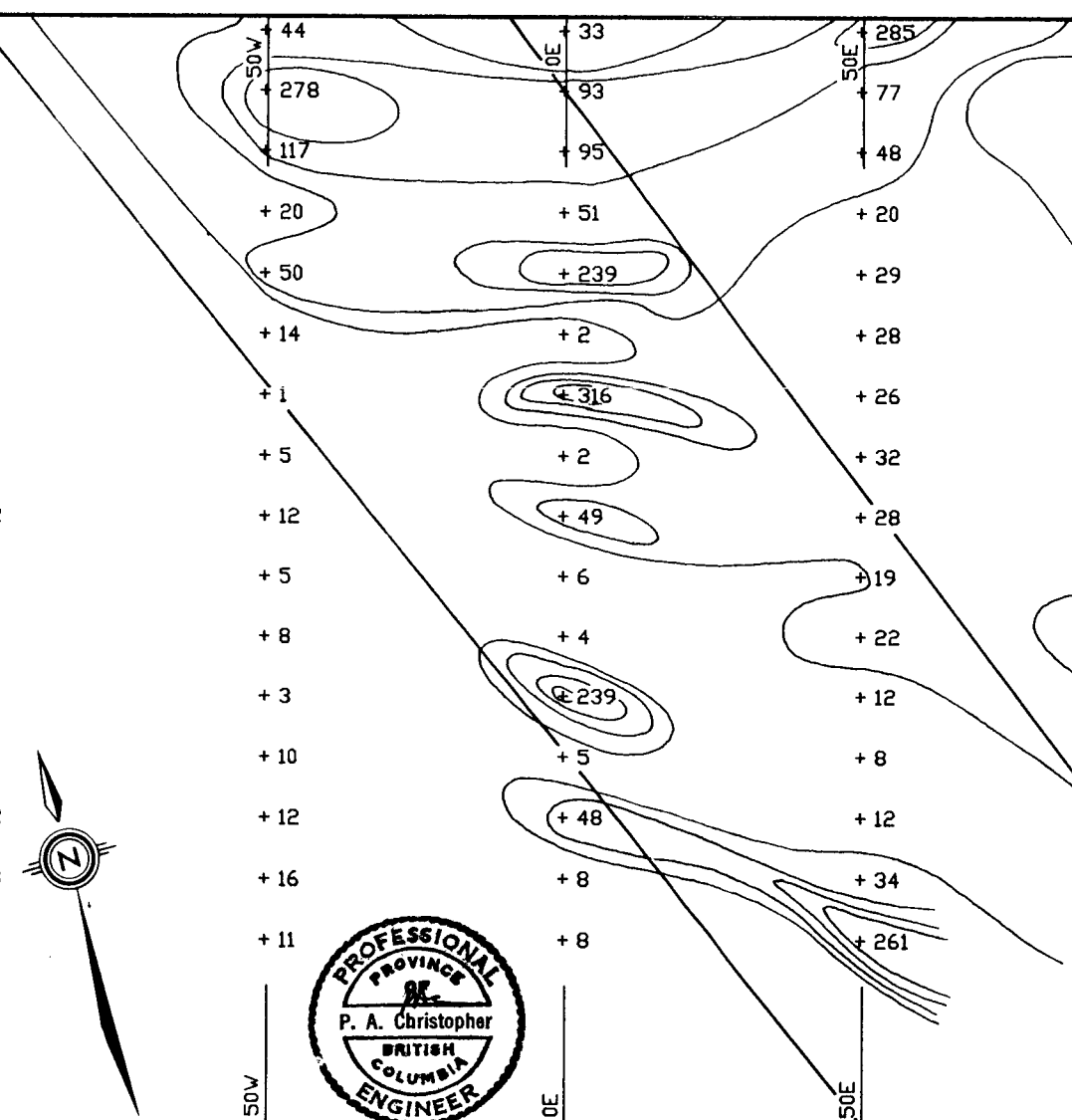
PROFESSIONAL
 PROVINCE
 P. A. Christopher
 BRITISH
 COLUMBIA
 ENGINEER

GOLDBANK VENTURES LTD.
 GOLDRUN CREEK PROPERTY
 SOIL GEOCHEMISTRY
 ZINC (ppm)

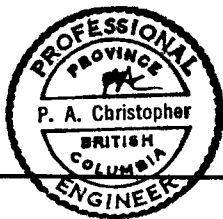
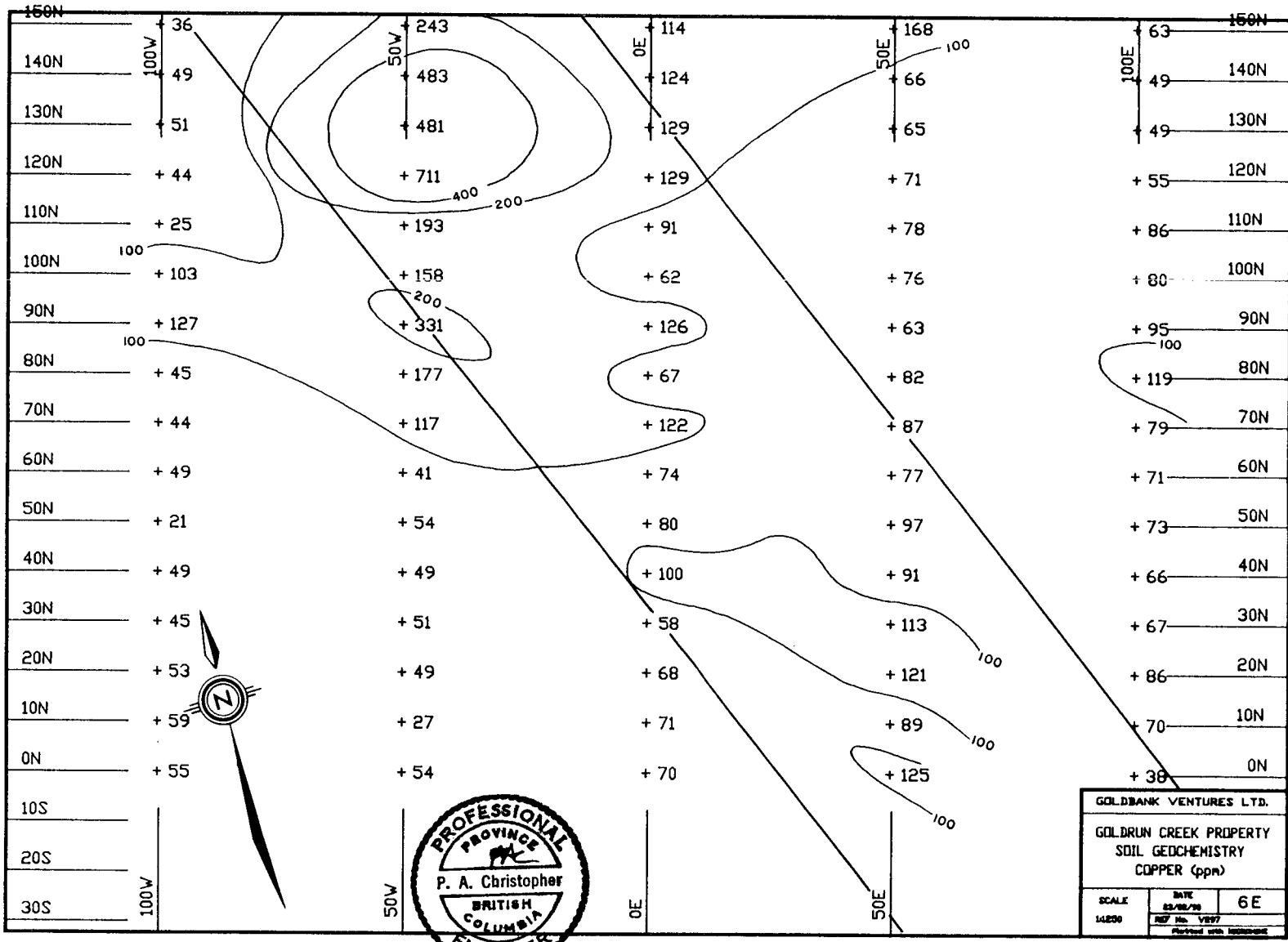
SCALE	DATE	6 C
1:4825	03/02/76	
	REF. No. V577	
	Prepared with GEOSCOPE	



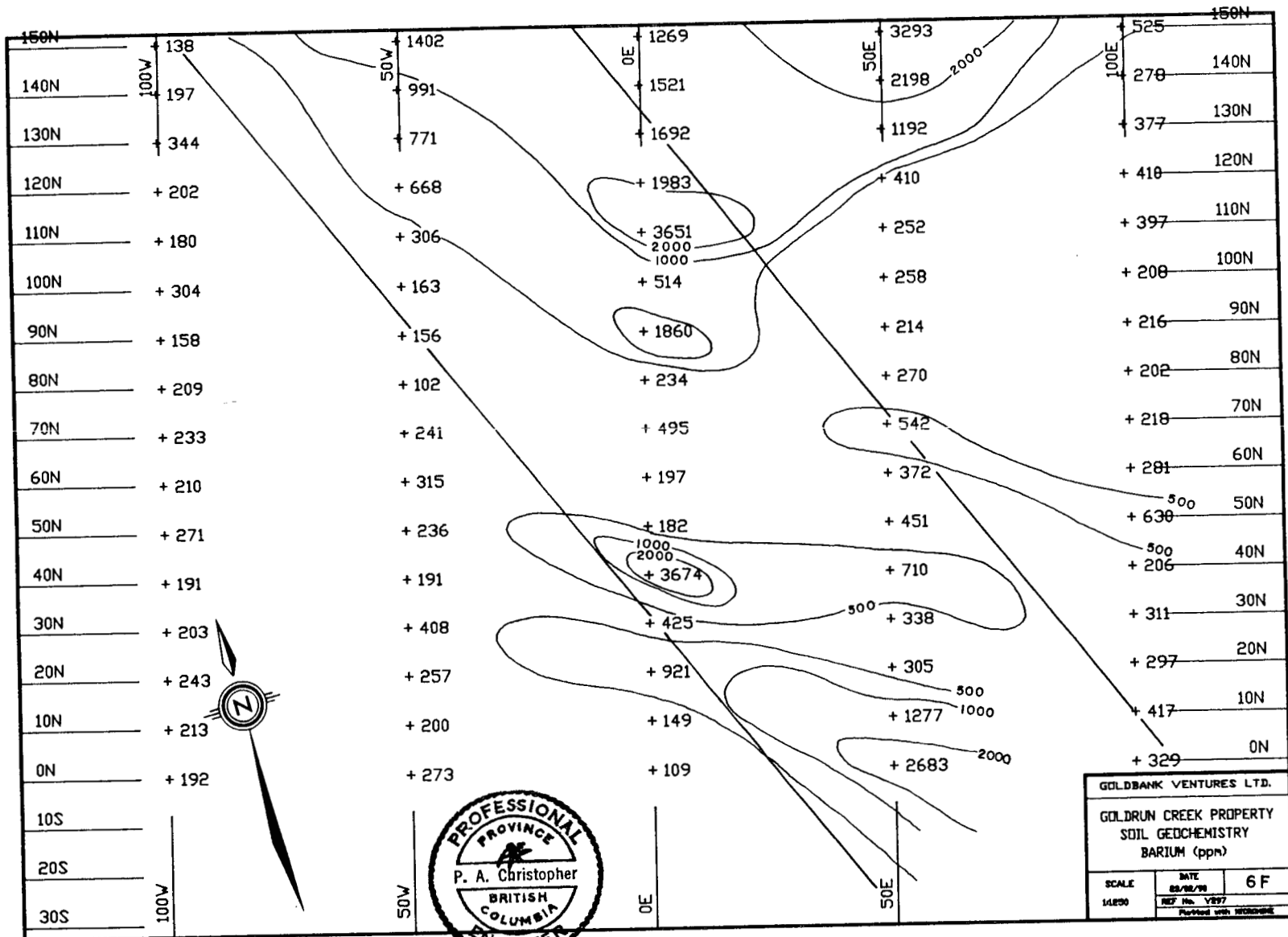
160N	5
140N	9
130N	1
120N	+1
110N	+5
100N	+9
90N	+4
80N	+8
70N	+12
60N	+10
50N	+10
40N	+8
30N	+3
20N	+12
10N	+18
0N	+7
10S	
20S	
30S	



21	160N
1	140N
11	130N
+18	120N
+7	110N
+3	100N
+29	90N
+31	80N
+34	70N
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+41	40N
+31	30N
+32	20N
+18	10N
+7	0N

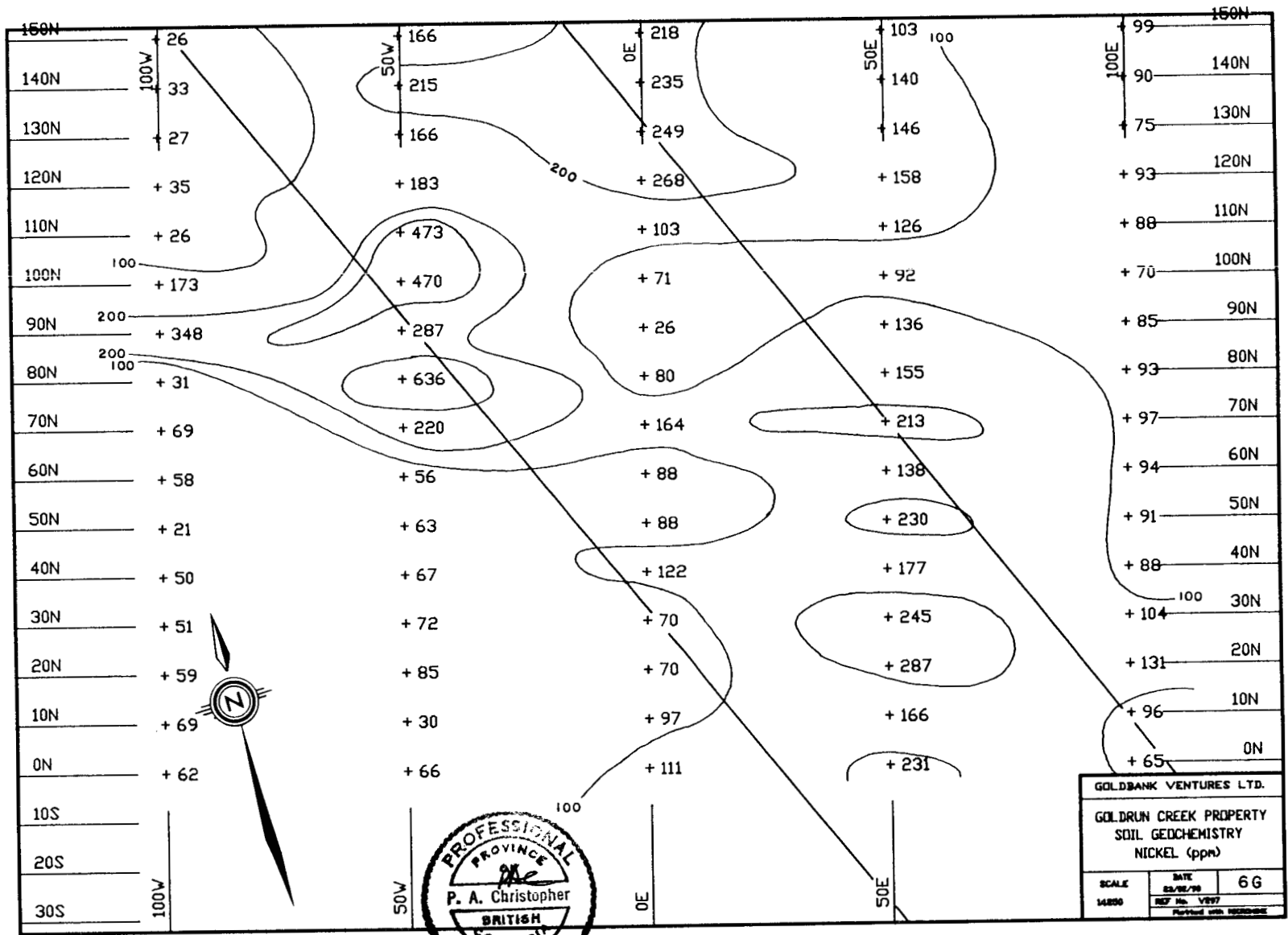


GOLDBANK VENTURES LTD.		
GOLDBRUN CREEK PROPERTY SOIL GEOCHEMISTRY COPPER (ppm)		
SCALE 1:4200	DATE 22/08/76	6E
REF No. V977 <small>Printed with 100% accuracy</small>		



GOLDBANK VENTURES LTD.
 GOLDRUN CREEK PROPERTY
 SOIL GEOCHEMISTRY
 BARIUM (ppm)

SCALE	DATE	6 F
1:1000	02/02/98	
	REF No. V297	
	Plotted with MICROCAL	



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GOLDBANK VENTURES LTD.
 GOLDRUN CREEK PROPERTY
 SOIL GEOCHEMISTRY
 NICKEL (ppm)

SCALE	DATE	6 G
1:4800	03/02/99	
	REF No. V097	
	Revised with 10/2002	

Barium

Barium values in soils varied from 109 ppm to 3674 ppm with the strongest barium response from the site of the strongest zinc response (LO 40N). Barium values are contoured on Figure 6F but comparison with assay values for barium show the ICP methods may not yield total barium.

Nickel

Nickel values in soils varied from 26 ppm to 913 ppm with the strongest nickel response near the north end of L50W in the area of the strongest copper response. A basic dike may occur in the area of strong nickel response.

DISCUSSION

The Goldrun Creek property is situated in Alexander Terrane rocks, a geological terrane which hosts the Greens Creek, Windy Craggy, Mt. Henry Clay and other exhalite and massive sulphide deposits. The Goldrun Creek area, an area with a favourable geological setting, was selected Goldbank Ventures for reconnaissance exploration because placer gold production had occurred along Goldrun Creek. The Bar claims were staked after initial reconnaissance prospecting located three mineral occurrences in the Goldrun Creek area, and grab samples from bedded barite returned up to 0.135 oz Au/ton and 6.58 oz Ag/ton.

The initial geochemical and geological field program has shown a north-northwest trend to a favourable baritic exhalite unit and for anomalous gold, silver, lead, zinc, copper, nickel and barium in soils from the Barite Mountain showing (Figures 6A to 6G). The plots show down hill migration of anomalous conditions to the northeast.

Grid geochemical coverage should be extended along the trend of the cherty baritic tuff horizon with cross lines run normal to the stratigraphic trend at 50 meter or 100 meter intervals in the Barite Mountain showing and Zinc Mountain showing. Prospecting is required to further evaluate the sulfide rich area on Massive Sulphide creek (MS Creek Figure 5).

CONCLUSIONS AND RECOMMENDATIONS

Mineral exploration in geologically favourable Alexander Terrane rocks in Northwest British Columbia is very active. A reconnaissance exploration program, conducted by Goldbank Ventures Ltd. in 1988, resulted in the discovery and subsequent staking of significant precious and base metal occurrences in Alexander Terrane rocks at Goldrun Creek.

The Barite Mountain showing, a massive bedded barite exposure, discovered by Goldbank Ventures Ltd., has returned grab sample geochemical values up to 6700 ppb gold, 227.0 ppm silver and 51% barium.

Goldbank Ventures Ltd. has discovered mineralization in place and in the talus slope of the metasedimentary and volcanic rock sequence which underlies "Zinc Mountain" (Figure 5). Grab samples have returned values up to 94447 ppm zinc, 60289 ppm lead and 150.7 ppm (4.37 oz Ag/ton) silver.

The potential for the Goldrun Creek property hosting a stratabound gold-silver-barite deposit and/or polymetallic volcanogenic massive sulphide deposits appears to be excellent. Potential also exists for structurally controlled polymetallic quartz-carbonate-barite veins and stringer zones.

Further exploration is required on the Goldrun Creek property to define the extent and nature of the known mineral occurrences and to assess the economic potential of unexplored areas. The writer has outlined a success contingent staged exploration program with a Stage I prospecting, geological mapping, grid geochemical surveys, trenching, road construction and 1000 meter diamond drilling program estimated to cost \$250,000. A contingent Stage II, 2000 meter diamond drilling program is estimated to cost \$300,000.

Cost Estimates

Stage 1. Geological Mapping, VLF-Em, Geochemical Sampling

Mobilization Costs	\$ 4,000
Grid Preparation	3,000
Trenching & Road Construction	15,000
Geological Mapping, Prospecting, Logging (Geologist & Assistants)	
40 days @ \$ 800/day all incl.	32,000
Sample Collection	5,000
Room & Board (including cook)	15,000
Geochemical Analyses	15,000
Expendables	3,000
Transportation & Shipping	12,000
Diamond Drilling	
1000 meters @ \$ 90 ea.	90,000
I.P Test	10,000
Engineering & Consulting	10,000
Drafting	2,000
Report Preparation	10,000
Contingency	<u>24,000</u>


Stage 1 Total \$ 250,000


Stage 2. Access Construction, Diamond Drilling (Contingent)

All inclusive drilling and support cost is estimated at \$150/meter.

Diamond Drilling 2000 meters @ \$150 all inclusive \$ 300,000

Stage 2 Total \$ 300,000


Peter A. Christopher Ph.D., P.Eng.
February 26, 1990



BIBLIOGRAPHY

- Bundtzen, T.K., Eakins, G.R., Green, C.B., and Lueck, C.C., 1986. Alaska's mineral industry, 1985. Alaska Division of Geological and Geophysical Surveys, Special Report 39, pp. 15, 16, & 50.
- Bundtzen, T.K., Eakins, G.R., Green, C.B., and Lueck, C.C., 1987. Alaska's mineral industry, 1986. Alaska Division of Geological and Geophysical Surveys, Special Report 40, p. 16.
- Campbell, R.B., and Dodds, C.J., 1983. Tatshenshini River Map Area (114P). G.S.C., Open File 926.
- Christopher, P.A., 1989. Preliminary Assessment and Reommeded Work Program Goldrun Creek Property (Bar 1-7 Claims). for Goldbank Ventures Ltd. dated Feb. 9, 1989.
- Cooke, D.L., 1986. Assessment Report 1985 Geochemical survey on the Squaw Creek Property, Atlin Mining Division. B.C. AR 14,742.
- Dressler, J.S., and Dunbire, J.C., 1981. The Greens Creek ore deposit Admiralty Island, Alaska. in CIM Bulletin, Vol. 74, No. 833, P. 57.
- Still, J., 1984. Stratiform Massive Sulfide Deposits of the Mount Henry Clay Area, Southeast Alaska. U.S.G.S., Alaska Field Operations Center, Open File Report.
- Troup, A.G., 1984. Geochemical Report on the Squaw Creek Property, Atlin Mining Division, B.C. and Whitehorse Mining District, Y.T. AR 13,521.
- Watson, K. de P., 1948. The Squaw Creek-Rainy Hollow Area, Northern British Columbia. British Columbia Department of Mines, Bulletin 25.

CERTIFICATE

I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, British Columbia, do hereby certify that:

- 1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
- 2) I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
- 3) I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.
- 4) I have been practising my profession as a Geologist for over 20 years.
- 5) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the properties or securities of Goldbank Ventures Ltd., Sutton Resources Ltd. or associated companies.
- 6) I have based this report on a review of government and company reports listed in the bibliography and results of a 1988 reconnaissance program and 1989 property work program. I have not made a personal examination of the Goldrun Creek Property.
- 7) I consent to the use of this report by Goldbank Ventures Ltd. or Sutton Resources Ltd. in any Filing Statement, Statement of Material Facts, Prospectus or as an assessment report.


Peter A. Christopher, P.Eng.
February 26, 1990



APPENDIX A

1988 Reconnaissance Work Program

Certificates of Analysis

Sample Description

Sample No.	Description	Au ppb	Ag ppm	Pb ppm	Zn ppm	Other ppm
09 11 1	Quartz vein float - Goldrun Ck. Milky to glassy quartz with minor secondary quartz crystals in open fractures, trace pyrite, Fe-staining in hairline fractures.	2	1.5	17	41	260 Cr
09 13 1	Collected below road on South Fork Ck. Sheared to massive white cryptocrystalline quartz veins with limonitic joint and shear planes. Very minor disseminated cubic pyrite to 0.5 m and stringer controlled pyrite in "black" quartz veinlets to <1%. Also very minor sericite on shear slips.	1	1.4	18	12	196 Cr
09 13 2	Collected from outcrop in South Fork Ck. below road. As grab of solution brecciated and sheared massive grey crystalline limestone; cement is predominantly limonite/ankerite(?); minor recrystallization of limestone. Very minor, finely disseminated pyrite, increasing in areas of stringer silicification. Density suggests possible barite content.	2	0.5	28	19	
09 13 3A	S fork Goldrun Ck. Rd. Dark grey silicified phyllite to argillite, with coarse pyrite (less than 0.5%) disseminated, limonite staining.	1	1.4	23	66	164 Cr
09 13 3B	S fork Goldrun Ck. Rd. Black graphitic phyllite with white quartz-carbonate-barite? vein breccia, (minor sericite), with abundant yellow-orange limonite associated with vein.	4	1.3	18	46	227 Cr
09 13 4A	Massive barite - North slope, Barite Mountain Alternating white to grey banded crystalline barite, slightly fractured with very minor limonite.	3450 (0.135 oz/T)	227.0	554	163	141 Sb 5094 Ba
09 13 4B	North slope, Barite Mountain Altered, very fine-grained barite-carbonate unit, partly fractured with very fine pyrite/(sphalerite?) in fracture, and in thin band, parallel to schistosity, minor sericite/mica, less than 0.5% sulphides.	410	34.7	1373	1594	76 Sb 26 Mo 2144 Ba 18.2 Cd
09 13 5	Collected from outcrop North slope, Barite Mtn.; discovery outcrop, intensely solution brecciated limestone and barite with disseminated sulphides to 5%, pyrite ± chalcopyrite ± PbS, grey sulphide ZnS(?), minor sericite; sulphides are controlled by solution channels.	325	32.2	759	1573	74 Sb 12 Mo 2519 Ba 33.5 Cd

Sample No.	Description	Au ppb	Ag ppm	Pb ppm	Zn ppm	Other ppm
09 13 6	Collected from outcrop in Barite Mtn. saddle Sericitic schist unit 30 m thick within carbonate package, typically massive grey microcrystalline limestone; quartz veins; also carry finely disseminated to medium crystalline pyrite.	1	0.6	22	21	
09 13 7	Collected from outcrop as at 09132 Dark grey cryptocrystalline limestone. Minor Soln brecciation, limonite and carbonate cementing + fine grey boxwork. Very minor quartz.	1	0.3	10	45	
09 13 8	Collected from rubble crop in place top at Barite Mtn. plus 1 m wide quartz blowout in sericitic schist with boulder "train" of 100 m+ across 10 m; intense limonite boxwork in coarsely crystalline sheared rusty weathering quartz; very minor sericitic; very, very finely disseminated rust-black cubes after pyrite(?) + hematite.	2	0.3	22	25	
09 14 1	Upper Zinc Ck. - Float Greyish white, partly silicified, finely crystalline limestone with discontinuous veinlets-blebs-and disseminated fine to very fine sphalerite with trace pyrite, total sulphide, 8 to 10%, minor light green alteration mineral associated with sulphides.	6	0.7	50	33246	404 Cd 20 W
09 14 2	Collected as float - Upper Zinc Ck. Coarse crystalline rusty/limonitic weathering, vuggy quartz vein; coarse yellow limonite remnants after carbonate(?); coarse brown weathering crystal remnants after coarse cubic pyrite; one minor pyrite crystal noted; minor muscovite clots.	2	1.2	19	444	238 Cr
09 14 3	Lower Zinc Ck. - Float Grey and white crystalline limestone, partly silicified, with 5 to 10% sphalerite-trace pyrite as 09141.	7	0.4	88	29816	519 Ba 271.9 Cd
09 14 4	Collected float lower Zinc Ck. - quartz vein As 09142	2	1.1	21	358	191 Cr
09 14 5	Zinc Mtn. Showing - Talus Partly weathered grey-white finely crystalline barite-limestone, orange-brown limonite after sulphides, occasional coarse pyrite crystal, minor very fine disseminated pyrite with sphalerite in streaks and dissemination, some coarse secondary dolomite, total sulphides 1 to 2%.	4	5.9	566	33685	101.3 Ba 388.2 Cd 20.0 W

Sample No.	Description	Au ppb	Ag ppm	Pb ppm	Zn ppm	Other ppm
09 14 6	Collected from below 'blowout' showing, NE slope Zinc Mtn. Heavily silicified, pyritized, recrystallized limestone; unveined, more massive, grey silicified limestone carries up to 10% fine to very fine disseminated pyrite; coarse recrystallized carbonate to 1 cm carries similar pyrite; barite(?).	2	0.4	32	151	
09 14 7	Collected from below and 100 m W of showing 'blowout', as at 09146. Microveined and brecciated, dark grey limestone with quartz veining + sphalerite; black and dark brown to 1% controlled by quartz vein 1 cm.	2	3.5	789	3970	4457 Ba 69.4 Cd
09 14 8	Zinc Mtn. showing - Outcrop Highly weathered, rusty orange brown silicified carbonate-barite unit, sponge-boxwork after sulphides, 3 to 5% weathered sulphides still present.	1	15.4	312	84934	62 W 314 Cd
09 14 9	Zinc Mtn. Showing - Talus Banded to partly schistose, highly mineralized, very fine-grained carbonate unit, with 20% fine to very fine sphalerite/galena; light waxy green carbonate alteration mineral abundant, galena/sphalerite from thin streaks plus bands up to 1 cm thick (80% galena, 20% sphalerite?).	24	150.7	60289	94557	332.8 Cd 96 Co
09 14 10	Collected float - Upper Zinc Ck. Chlorite schist with coarse, cubic, 1 cm pyrite cubes to 3%.	10	2.4	637	1358	
09 14 11	Collected float - Lower Zinc Ck. Black chlorite, quartz schist with disseminated brown pyrrhotite(?) to <1%; minor silvery muscovite and veined carbonate; quartz chlorite segregations at 50%:50% per 1 cm.	8	2.1	185	567	258 Cr 98.4 V 607 Ba
09 16 1	Zinc Ck. - Float Greyish white, very fine to coarsely crystalline limestone with 5% sphalerite and minor pyrite, sulphide occur as fine to very fine dissemination and coarse blebs associated with coarse secondary dolomite.	4	0.7	387	15150	209.8 Cd 52.6 Ba
09 16 2	Collected talus from 200 m W of Zinc Ck. Highly weathered, limonitic quartz biotite(?) vein, with very heavy oxidation after pyrite, ± manganese. Very fine disseminated pyrite along shear planes in quartz; very heavy, especially with intense oxidation - barite(?).	7	0.4	27	200	19.8% Fe 165.2 V

Sample No.	Description	Au ppb	Ag ppm	Pb ppm	Zn ppm	Other ppm
09 16 3	Zinc Ck. - MS Ck. - Talus Grey calc-sericite schist with 5%/8% disseminated magnetite-siderite?	5	1.0	23	51	
09 16 4	Collected as talus from near upper Zinc Ck. Calc + chlorite schist, buff to limonitic weathering with very finely disseminated to schistosity controlled brown pyrite to 5%; veinlet controlled sphalerite to 1% in more massive sections.	1	0.5	34	4084	71.2 Cd
09 16 5	Collected talus from 500 m W of upper Zinc Ck. from unit forming 20% of talus Light brown weathering quartz 80%, muscovite 15%, carbonate 2%, pyrite 3% (pyh?) schist.	8	1.5	26	76	
09 16 6	Zinc Ck.-MS Ck. - Talus Buff, partly weathered calc-quartz-sericite schist with 1% disseminated sulphides.	1	1.1	28	46	
09 16 7	MS Ck. - Talus Highly weathered, rusty brown mafic? with 10-15% residual sulphides.	.22	0.6	36	274	500 Ba 24.3% Fe 200.7 V

COMPANY: MPH CONSULTING LTD.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: V99 6BK

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1589

ATTENTION: G.HAWKINS

(604)980-5814 OR (604)988-4524

TYPE ROCK GEOCHEM

DATE: SEPT 25, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
09131	1.4	1130	29	1	29	.7	4	5650	3.2	4	29	4190
09132	.5	1440	27	1	10	.7	4	257840	3.5	7	17	3180
09136	.6	1330	17	1	90	.9	4	201630	2.2	14	60	20100
09137	.3	1070	15	1	4	1.1	5	214860	8.5	6	14	3920
09138	.3	1940	25	12	230	.7	3	129830	2.2	4	5	16060
09141	.7	560	13	1	306	.6	1	215040	404.0	24	40	8790
09142	1.2	1880	24	1	22	.6	2	2940	5.1	5	54	13410
09143	.4	170	9	1	519	.7	1	209160	271.9	7	24	7330
09144	1.1	5020	18	1	40	.7	3	3590	6.2	7	20	14970
09146	.4	11440	30	1	298	1.2	2	118740	3.8	11	92	34680
09147	3.5	13680	26	1	4457	1.3	1	111940	49.4	11	31	25810
09148	15.4	370	4	7	300	1.4	1	83290	314.0	28	11	44930
09149	150.7	2780	1	7	246	.9	3	94890	332.8	96	70	21840
091410	2.4	15800	26	1	127	.9	2	2770	2.1	19	77	49610
091411	2.1	11570	21	1	607	1.0	5	5340	3.7	19	58	19940
09161	.7	3290	12	1	526	1.1	1	218000	209.8	7	77	11610
09162	.4	45160	39	9	38	.6	1	1450	3.5	14	61	197690
09163	1.0	5030	12	1	26	.7	3	1040	.7	6	9	35570
09164	.5	5450	15	1	233	.9	1	105140	71.2	16	48	19590
09165	1.5	2550	24	1	32	.8	3	41890	3.1	14	5	18730
09166	1.1	5970	19	1	106	1.0	4	60410	1.4	12	18	24450
09111	1.5	260	38	1	31	.4	4	3330	2.6	5	15	5640
09133A	1.4	6340	27	1	75	.7	3	850	1.4	10	28	18780
09133B	1.3	3000	32	1	109	1.0	3	620	.1	8	30	38080
09134A	227.0	270	45	1	5094	.3	4	1130	5.4	5	52	2680
09134B	34.7	1700	13	1	2144	.4	1	6160	18.2	5	87	8740
09135	32.2	1040	1	1	2519	.9	1	86210	33.5	5	143	2790
09145	5.9	340	10	1	1013	1.1	2	200090	388.2	11	50	15550
09167	.6	57130	38	14	500	.4	5	2020	3.4	14	133	243340

RECEIVED SEP 29 1988

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
09131	260	4	2430	119	4	80	10	160	18	3	10	1
09132	530	5	10760	187	4	70	18	260	28	4	6	1
09136	1380	4	2920	672	3	60	34	290	22	3	1	1
09137	330	4	48310	225	4	120	11	160	10	2	2	1
09138	480	4	3830	520	4	110	8	130	22	2	1	1
09141	360	3	13190	1040	1	50	43	880	50	1	2	1
09142	240	3	1530	137	4	240	11	240	19	2	6	1
09143	220	3	10230	984	1	60	11	190	88	1	97	1
09144	280	6	4030	260	3	300	17	610	21	1	6	1
09146	450	4	51480	3191	4	130	12	270	32	1	232	1
09147	460	4	52640	2379	2	140	20	220	789	3	87	1
09148	230	4	47000	2495	1	50	33	410	312	1	195	1
09149	1270	4	9650	1281	1	160	5	800	60289	7	45	1
091410	2180	12	8650	814	1	230	42	1110	637	1	7	1
091411	6890	12	12100	155	9	590	33	2310	185	1	7	3
09161	310	4	26310	3066	1	90	6	370	387	2	218	1
09162	240	11	11980	2288	4	50	2	40	27	7	6	1
09163	1490	5	1020	142	1	500	14	350	23	1	8	1
09164	570	6	6500	759	2	640	31	430	34	1	1	1
09165	1260	4	6230	164	3	450	29	510	26	2	17	1
09166	1830	7	7630	238	4	380	41	620	28	1	19	1
09111	230	3	430	71	4	90	10	60	17	3	6	1
09133A	800	8	5240	141	3	340	19	370	23	1	5	1
09133B	1200	3	480	69	7	180	10	320	18	1	6	1
09134A	300	3	400	22	6	70	5	110	554	141	90	1
09134B	610	4	2400	189	26	60	3	110	1373	76	86	1
09135	260	4	37320	1633	12	60	4	130	759	74	189	1
09145	240	4	20270	2342	1	50	11	300	566	2	385	1
09167	280	14	13740	3341	4	50	1	70	36	8	1	5

PROJECT NO: V99 6BK

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1589

ATTENTION: G.HAWKINS

(604)980-5814 OR (604)988-4524

TYPE ROCK GEOCHEM : DATE: SEPT 25, 1988

(VALUES IN PPM)	U	V	ZN	GA	SM	W	CR	AU-PPB
09131	1	7.4	12	5	2	5	196	1
09132	1	8.6	19	7	3	1	18	2
09136	1	7.9	21	3	4	1	31	1
09137	1	12.9	45	1	2	1	23	1
09138	1	11.3	25	3	3	1	95	2
09141	1	5.1	33246	1	1	20	20	6
09142	1	8.6	444	1	1	7	238	2
09143	1	5.6	21896	1	1	13	32	7
09144	1	15.9	358	2	2	4	191	2
09146	1	20.1	151	1	3	1	54	2
09147	1	17.6	3970	2	1	1	53	2
09148	1	21.3	84934	4	1	62	50	1
09149	1	9.7	94557	1	2	6	55	24
091410	1	26.8	1358	2	1	1	100	10
091411	1	98.4	567	3	2	7	258	8
09161	1	7.2	15150	1	1	5	22	4
09162	1	165.2	200	7	5	1	88	7
09163	1	49.0	51	3	2	1	92	5
09164	1	16.1	4084	1	1	1	41	1
09165	1	9.7	76	5	2	1	97	8
09166	1	14.0	46	6	2	1	64	1
09111	1	4.9	41	5	2	9	260	2
09133A	1	13.2	66	6	2	4	164	1
09133B	1	13.6	46	3	2	6	227	4
09134A	1	5.4	163	2	2	1	18	3450
09134B	1	9.3	1594	1	1	1	21	410
09135	1	4.8	1573	2	1	1	19	325
09145	1	6.2	33685	2	1	20	21	4
09167	1	200.7	274	6	8	1	91	22



**MIN
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LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE: (604) 280-3814 OR (604) 283-4524
TELEX: VIA U.S.A. 7601087 • FAX: (604) 280-3822

TIMMINS OFFICE:
23 EAST ROCKWIS ROAD
P.O. BOX 287
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-3330

Certificate of ASSAY

Company: MPH CONSULTING LTD.
Project: V99 GBK
Attention: G. HAWKINS

File: 6-1389/P1
Date: SEPT 25/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
09134 A	4.63	0.135

Certified by

MIN-EN LABORATORIES LTD.



**MIN
EN
LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: MPH CONSULTING
Project: V99 GBK
Attention: G. HAWKINS

File: 8-1589/P1
Date: SEPT 29/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	BA %
09147	3.70
09134 A	37.80
09134 B	31.60
09135	25.10
09145	.70

Certified by _____

MIN-EN LABORATORIES LTD.

COMPANY: MPH CONSULTING LTD.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: V99 6BK

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 9-1589

ATTENTION: G.HAWKINS

(604)980-5814 OR (604)988-4524 * TYPE HEAVY MINERAL *

DATE: SEPTEMBER 30, 1988

(VALUES IN PPM)	AS	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
HMC01	1.0	9300	5	1	44	.3	5	7050	.1	13	15	15220
HMC02	1.1	8910	1	2	261	.4	3	6410	1.0	33	68	55890
HMC03	1.1	8510	1	3	327	.4	2	6850	1.3	38	87	66810
HMC04	1.4	6880	1	3	83	.2	1	6880	.4	40	52	73800
HMC05	1.1	8620	17	3	175	.7	4	6010	1.2	34	61	58620
HMC06	2.4	11520	9	2	115	.7	9	9440	1.3	70	608	61200
HMC07	1.3	9630	13	3	717	.2	1	4530	1.4	56	216	92560
HMC08	1.2	9670	26	6	55	.9	2	3670	.3	72	510	158210
HMC09	1.0	9080	41	4	118	.1	3	4480	.4	49	301	94710
HMC10	.8	7090	7	4	133	1.1	1	5540	1.0	50	83	103970
HMC11	1.0	9240	2	4	301	1.2	2	4680	1.6	63	329	119090
HMC12	.4	4850	20	8	58	1.7	1	4310	1.2	79	170	233380
HMC13	.8	8530	2	2	412	.2	4	6700	.8	15	16	22880

RECEIVED OCT 5 - 1988

COMPANY: MPH CONSULTING LTD.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 2 OF 3

PROJECT NO: V99 6BK

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-1589

ATTENTION: G.HAWKINS

(604)980-5814 OR (604)988-4524 * TYPE HEAVY MINERAL *

DATE: SEPTEMBER 30, 1988

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
HMC01	880	4	6320	199	2	240	20	720	12	2	11	3
HMC02	400	6	6650	387	4	170	61	800	18	4	11	1
HMC03	390	6	6530	406	5	150	75	870	22	4	10	1
HMC04	420	5	4590	333	5	150	84	1050	15	3	8	3
HMC05	400	6	6190	386	3	140	68	860	22	4	9	2
HMC06	500	12	14220	690	1	90	110	640	21	4	9	1
HMC07	460	8	6230	684	3	90	128	820	39	2	8	1
HMC08	550	7	4510	1278	2	70	87	1320	18	7	13	2
HMC09	520	9	5150	1125	5	100	59	1140	21	2	9	1
HMC10	360	6	5510	464	6	100	105	1040	16	2	10	2
HMC11	470	8	4940	831	3	70	127	1090	23	1	8	1
HMC12	280	5	2880	543	9	40	197	1190	5	8	12	2
HMC13	370	5	5990	418	2	140	25	930	13	2	9	2

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB	HMX
HMC01	1	35.0	21	3	3	3	44	3	12.55
HMC02	1	48.6	103	1	2	2	46	2	13.00
HMC03	2	51.3	128	3	2	2	46	2	13.91
HMC04	1	53.9	96	3	2	1	30	1	19.16
HMC05	1	53.8	86	1	3	3	43	4	9.99
HMC06	1	85.7	58	3	5	5	116	10	11.05
HMC07	2	59.3	270	2	2	2	73	6	11.79
HMC08	1	67.3	204	5	1	1	34	3	7.18
HMC09	3	57.9	88	2	1	1	32	2	4.70
HMC10	3	57.2	173	2	1	1	38	2	11.65
HMC11	2	60.5	225	1	1	2	47	3	7.09
HMC12	4	84.0	245	9	2	1	27	1	7.01
HMC13	1	41.7	44	2	2	2	40	2	13.45

COMPANY: MPH CONSULTING

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: V99 6BK

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-1599/P1

ATTENTION: G.HAWKINS

(604) 980-5814 OR (604) 988-4524 * TYPE SILT GEOCHEM * DATE: SEPTEMBER 29, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
HMC01	1.6	16260	17	4	120	1.0	8	12340	1.9	16	22	20160
HMC02	1.0	10950	21	1	202	.6	8	53030	4.7	20	26	30910
HMC03	.8	8680	26	2	197	.6	8	63740	4.5	20	33	30980
HMC04	1.2	10810	15	2	257	.8	9	40040	3.1	21	22	36090
HMC05	1.1	15440	25	3	208	.7	7	12730	1.4	22	29	36410
HMC06	1.1	16290	58	3	189	.7	11	20480	1.1	42	124	67860
HMC07	1.3	11770	21	1	447	.6	7	13890	2.1	25	50	38920
HMC08	1.0	15810	7	1	90	.4	5	5040	1.4	22	63	47580
HMC09	1.0	11060	17	1	118	.6	5	5070	1.0	18	55	35250
HMC10	.6	8630	22	1	223	1.0	7	81370	4.3	20	53	34700
HMC11	.9	14200	13	2	360	.6	6	19620	1.3	23	121	42990
HMC12	.4	6180	35	1	54	1.1	7	88940	6.1	17	39	28860
HMC13	1.0	14850	14	3	938	.5	8	10840	1.9	20	16	31690

COMPANY: MPH CONSULTING
PROJECT NO: V99 GBK
ATTENTION: G.HAWKINS

MIN-EM LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(ACT:F31) PAGE 2 OF 3
FILE NO: 8-1589/P1

(604)980-5814 OR (604)988-4524 * TYPE SILT GEOCHEM * DATE:SEPTEMBER 29, 1988

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
HMC01	2340	12	9460	323	4	650	20	740	19	8	29	4
HMC02	980	12	18430	476	4	390	33	780	25	4	19	1
HMC03	910	11	19820	412	6	180	35	800	28	5	12	1
HMC04	1110	12	15120	456	4	250	36	1030	21	3	20	1
HMC05	1180	17	11420	633	5	210	40	900	26	3	17	1
HMC06	1320	17	22870	798	3	130	138	660	31	2	21	1
HMC07	1210	14	11280	669	4	120	46	800	29	2	14	1
HMC08	2340	17	10460	922	4	110	27	940	25	2	15	1
HMC09	1810	16	7650	737	4	110	20	820	20	2	11	1
HMC10	870	12	24540	388	7	120	36	930	24	4	7	1
HMC11	2240	18	10880	819	6	110	33	1100	26	1	13	1
HMC12	570	10	48550	288	7	70	31	830	14	6	22	1
HMC13	1220	15	10330	1257	5	260	29	1070	29	2	20	1

COMPANY: MPH CONSULTING

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO: V99 GBK

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1589/P1

ATTENTION: G.HAWKINS

(604)980-5814 OR (604)988-4524 & TYPE SILT GEOCHEM & DATE:SEPTEMBER 29, 1988

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR
HMC01	1	51.1	37	3	2	1	46
HMC02	1	56.4	61	2	2	1	50
HMC03	1	53.5	63	3	1	2	48
HMC04	1	75.2	51	3	2	1	48
HMC05	1	67.8	78	2	2	2	66
HMC06	1	138.1	66	2	3	24	572
HMC07	1	63.3	131	2	2	2	73
HMC08	1	71.0	107	2	2	1	40
HMC09	1	52.7	56	2	1	1	33
HMC10	2	57.3	69	2	1	1	41
HMC11	1	71.8	88	1	1	1	45
HMC12	1	41.0	52	1	1	1	34
HMC13	1	75.4	100	1	2	2	60

APPENDIX B

1989 Work Program

Certificates of Analysis

Sample Description

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph: (604)299-6910 Fax: 299-6252

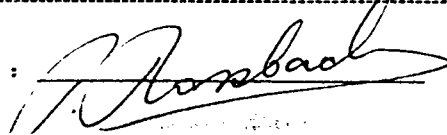
CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 893376
INVOICE # : 90537
DATE ENTERED : 89-09-19
FILE NAME : MPH89337
PAGE # : 1

PRE FIX	SAMPLE NAME	PPH NO	PPH CU	PPH PB	PPH ZN	PPH AS	PPH NI	PPH CO	PPH Mn	PPH FE	PPH AS	PPH U	PPH AU	PPH HG	PPH SR	PPH CD	PPH SB	PPH BI	PPH V	PPH CA	PPH P	PPH LA	PPH CR	PPH MG	PPH BA	PPH TI	PPH B	PPH AL	PPH NA	PPH SI	PPH M	PPH BE	PPH Au	PPH AA
A	890801	3	87	29	215	0.3	20	6	599	1.06	3	5	ND	ND	441	2	4	2	15	11.97	0.22	8	21	0.15	64	0.13	5	0.49	0.01	0.01	1	1	5	
A	890802	1	40	1	258	0.2	5	1	1157	0.53	2	5	ND	ND	214	1	2	2	11	25.59	0.25	16	9	0.19	38	0.02	5	0.23	0.01	0.01	1	1	5	
A	890803A	1	31	10	82	0.4	30	13	1461	3.14	12	5	ND	ND	64	1	5	2	68	3.89	0.25	6	44	1.51	80	0.23	5	2.02	0.01	0.02	1	2	5	
A	890803	1	90	1	72	0.2	35	12	421	2.66	18	5	ND	ND	53	1	2	2	32	0.66	0.07	2	31	0.86	126	0.17	50	1.86	0.01	0.01	1	1	5	
A	890804	1	27	12	82	0.1	15	10	1223	2.89	13	5	ND	ND	102	1	5	2	76	2.66	0.16	12	33	1.24	85	0.17	5	1.59	0.01	0.02	1	2	5	
A	890805	1	28	14	36	0.2	9	6	511	0.77	16	5	ND	ND	46	1	5	2	11	2.37	0.13	11	44	0.23	89	0.01	5	0.42	0.01	0.01	1	1	5	
A	890806	1	20	9	14	0.1	33	13	319	1.49	12	5	ND	ND	34	1	2	2	21	1.33	0.07	3	204	1.50	221	0.14	5	1.34	0.01	0.02	1	1	5	
A	890807	1	22	1	108	0.1	7	1	559	4.29	2	5	ND	ND	3	1	2	2	22	0.07	0.01	2	14	1.55	254	0.03	5	2.49	0.01	0.02	1	1	5	
A	890808	1	5	11	48	0.1	6	1	296	0.99	12	5	ND	ND	111	1	4	2	15	1.92	0.09	1	113	0.28	61	0.01	5	0.36	0.01	0.02	1	1	5	
A	890809	33	24	19	22	0.1	26	1	419	0.41	23	5	ND	5	144	1	7	6	384	2.43	0.18	14	90	0.28	174	0.07	5	0.17	0.01	0.01	1	6	5	
A	890810	25	5	1	24	0.1	24	2	195	0.81	2	5	ND	ND	7	1	2	2	74	0.26	0.02	8	134	0.52	16	0.08	5	0.46	0.01	0.02	1	1	5	
A	890811	17	557	1	47	0.8	8	38	652	6.14	2	5	ND	ND	34	1	2	2	86	0.35	0.11	5	21	0.94	285	0.21	305	1.46	0.01	0.02	1	2	5	
A	890814	2	20	23	8	0.1	38	3	614	0.96	5	5	ND	ND	218	1	5	2	6	10.01	0.18	7	100	0.43	366	0.01	69	0.10	0.01	0.01	1	1	5	
A	890815	1	1684	1509	15398	50.6	8	4	4796	0.95	2	5	ND	5	594	246	56	2	1	21.03	0.22	9	11	2.81	112	0.01	260	0.06	0.01	0.01	1	1	90	
A	890816	19	98	2205	1961	44.7	1	1	50	0.81	2	5	ND	19	99	19	66	2	5	0.14	0.01	1	5	0.22	734	0.01	53	0.11	0.02	0.01	4	1	540	
A	890817	33	57	1705	1282	211.5	15	3	96	2.95	12	5	ND	25	116	9	51	5	161	0.07	0.02	2	146	0.28	342	0.31	129	0.33	0.01	0.02	1	2	6700	
A	890818	4	75	2930	1757	86.0	1	1	1785	0.46	18	5	ND	ND	532	23	23	2	3	4.15	0.13	2	3	2.74	261	0.01	103	0.04	0.02	0.01	5	1	700	
A	890819	5	566	37	58	0.7	6	25	829	6.44	8	5	ND	ND	28	1	4	2	41	0.63	0.16	17	22	1.13	558	0.23	210	1.52	0.01	0.01	1	1	440	
A	890820	3	9	20	17	0.1	24	1	120	0.53	12	5	ND	ND	28	1	4	2	95	0.80	0.07	9	84	0.51	703	0.02	5	0.31	0.01	0.01	1	2	5	
A	890821	3	28	235	414	175.6	2	1	10	0.13	6	5	ND	13	83	3	52	2	3	0.01	0.01	1	6	0.01	2369	0.01	32	0.02	0.02	0.01	1	1	1380	
A	890901	4	4	29	25	1.5	4	1	222	0.24	12	5	ND	ND	59	1	10	6	3	1.92	0.11	6	38	0.05	3468	0.06	19	0.26	0.02	0.01	3	1	10	
A	890902	11	9	12	23	0.6	8	2	433	1.04	10	5	ND	ND	68	1	6	2	32	1.41	0.11	5	48	0.41	1035	0.08	5	0.54	0.01	0.02	1	1	10	
A	890903	1	9	4	24	0.1	55	12	375	1.69	6	5	ND	ND	99	1	5	2	36	0.71	0.07	4	138	1.35	161	0.16	7	1.30	0.01	0.01	1	1	10	
A	890904	2	28	14	74	0.2	7	1	928	3.48	2	5	ND	ND	41	1	2	6	27	0.23	0.07	7	25	1.14	202	0.25	7	1.83	0.01	0.02	1	1	5	
A	890905	2	86	13	14	0.1	29	14	97	2.79	4	5	ND	ND	17	1	8	4	27	0.26	0.04	2	21	0.18	448	0.28	17	0.34	0.01	0.02	1	1	5	
A	891001	4	322	12134	9127	77.8	158	28	2764	5.87	139	5	ND	ND	615	108	42	2	17	15.34	0.22	7	126	0.19	58	0.10	1434	0.13	0.01	0.01	1	1	220	
A	891002	32	197	342	3956	94.5	92	24	132	4.10	13	5	ND	34	52	31	53	2	107	0.28	0.09	2	143	0.25	113	0.19	891	0.26	0.01	0.02	12	2	3300	
A	891003	1	46	1	31	2.2	82	3	63	5.80	154	5	ND	ND	12	1	2	2	89	0.13	0.02	2	261	0.54	171	0.18	520	5.80	0.01	0.06	1	2	30	
A	891004	12	73	46	88	0.4	87	17	62	1.87	12	5	ND	ND	17	1	6	3	24	1.26	0.42	11	74	0.25	401	0.04	312	0.42	0.01	0.02	4	1	5	
A	891005	5	164	98	109	19.7	516	76	411	6.95	409	5	ND	ND	113	5	36	9	56	3.39	0.18	7	232	0.26	55	0.32	1736	0.25	0.02	0.01	5	2	180	
A	891006	1	206	1	70	0.3	67	17	605	4.72	3	5	ND	ND	5	1	2	3	150	0.45	0.04	4	167	3.20	96	0.21	144	2.92	0.01	0.02	1	2	5	
A	891007	3	1364	8	47	1.7	15	34	383	4.66	5	5	ND	ND	13	2	5	2	115	0.59	0.13	10	23	1.14	143	0.47	235	1.60	0.01	0.02	1	2	30	
A	891008	6	232	1714	3094	56.0	4	1	54	0.65	2	5	ND	19	97	41	25	2	3	0.01	0.01	2	8	0.05	242	0.01	142	0.06	0.01	0.01	12	1	1720	
A	891009	4	196	1125	690	60.0	6	2	24	0.42	16	5	ND	12	97	5	45	4	4	0.01	0.01	2	17	0.07	645	0.01	74	0.07	0.01	0.01	6	1	1840	
A	891010	2	141	16	3071	0.6	19	9	784	1.49	2	5	ND	ND	125	18	2	2	29	3.60	0.18	17	32	0.64	810	0.01	69	0.72	0.01	0.02	26	1	20	
S	L0	00N	8	70	8	264	3.3	111	2	193	2.05	24	5	ND	ND	155	8	10	2	28	4.31	0.60	20	61	0.40	109	0.01	5	0.48	0.04	0.01	10	1	5
S	L0	10N	8	71	8	239	3.3	97	3	248	2.22	22	5	ND	ND	166	5	2	30	3.75	0.48	19	43	0.44	149	0.01	5	0.54	0.03	0.01	5	1	5	
S	L0	20N	6	68	48	886	5.0	70	1	162	1.96	19	5	ND	ND	109	9	8	2	40	2.35	0.36	15	54	0.71	921	0.02	8	0.79	0.03	0.01	4	1	5
S	L0	30N	5	58	5	526	3.2	70	1	209	2.33	14	5	ND	ND	59	5	5	2	53	0.96	0.24	15	64	0.76	425	0.02	7	1.03	0.02	0.01	4	1	5
S	L0	40N	5	100	239	1517	9.0	122	1	913	3.34	15	5	ND	ND	35	11	12	2	88	0.74	0.11	11	137	1.66	3674	0.09	8	1.55	0.04	0.01	5	2	150

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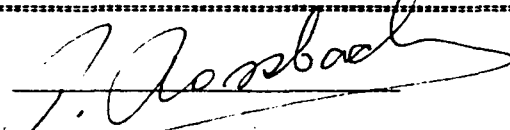
CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 893376
INVOICE # : 90537
DATE ENTERED : 89-09-19
FILE NAME : MPH69337
PAGE # : 2

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	Z FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	Z CA	Z P	PPM LA	PPM CR	Z MG	PPM BA	Z TI	PPM B	Z AL	Z NA	Z SI	PPM M	PPM BE	PPM Au	PPM AA
S	L0 50N	22	80	4	254	4.5	88	1	239	2.02	25	5	ND	ND	219	9	10	2	57	4.50	0.63	15	30	0.37	182	0.02	7	0.68	0.04	0.01	3	1	5	
S	L0 60N	21	74	6	320	4.1	88	1	253	2.29	25	5	ND	ND	142	7	7	2	45	2.87	0.48	14	30	0.32	197	0.02	8	0.67	0.05	0.01	3	1	5	
S	L0 70N	7	122	49	118	3.4	164	2	2393	5.98	56	5	ND	ND	36	8	25	6	180	0.69	0.24	5	408	2.42	495	0.29	26	1.98	0.05	0.01	3	3	100	
S	L0 80N	9	67	2	208	3.7	80	3	239	2.24	25	5	ND	ND	107	5	6	2	24	2.80	0.48	15	31	0.24	234	0.01	8	0.49	0.01	0.01	3	1	5	
S	L0 90N	3	126	316	402	33.6	26	1	2016	1.02	2	5	ND	ND	9	7	14	2	58	0.14	0.01	1	25	0.60	1860	0.02	18	0.42	0.03	0.01	1	1	1400	
S	L0 100N	7	62	2	172	4.5	71	1	229	1.55	8	5	ND	ND	295	4	5	2	46	8.15	0.72	18	62	0.77	514	0.01	5	0.56	0.01	0.01	1	1	5	
S	L0 110N	3	91	239	506	13.1	103	1	695	2.48	18	5	ND	ND	27	5	10	2	70	0.77	0.23	11	114	1.40	3651	0.06	5	1.16	0.01	0.01	2	1	170	
S	L0 120N	6	129	51	186	4.0	268	17	934	4.55	38	5	ND	ND	35	8	12	3	102	0.96	0.24	12	256	2.77	1983	0.14	5	1.83	0.02	0.01	1	2	5	
S	L0 130N	5	129	95	320	4.1	249	15	927	4.56	33	5	ND	ND	28	8	11	3	108	0.65	0.23	11	247	2.75	1692	0.15	5	1.96	0.01	0.01	2	2	20	
S	L0 140N	5	124	93	298	3.9	235	15	848	4.31	32	5	ND	ND	22	7	11	2	101	0.55	0.12	10	236	2.55	1521	0.13	5	1.78	0.03	0.01	1	2	30	
S	L0 150N	5	114	33	191	3.0	218	7	719	4.36	30	5	ND	ND	26	7	9	2	116	0.60	0.11	11	273	2.98	1269	0.14	5	2.09	0.02	0.01	1	2	5	
S	L50E 00N	5	125	261	269	4.4	231	2	1792	4.66	36	5	ND	ND	13	8	9	5	186	0.55	0.12	16	370	3.95	2683	0.18	5	2.84	0.02	0.01	2	3	160	
S	L50E 10N	6	89	34	262	2.7	166	1	1520	3.72	30	5	ND	ND	50	7	7	6	182	1.42	0.36	19	236	3.07	1277	0.14	5	2.30	0.02	0.01	4	3	50	
S	L50E 20N	10	121	12	218	1.6	287	12	697	4.55	61	5	ND	ND	88	10	7	7	189	2.23	0.36	22	411	3.79	305	0.03	5	2.60	0.03	0.01	2	3	5	
S	L50E 30N	5	113	8	119	1.0	245	1	733	5.12	58	5	ND	ND	52	7	6	5	190	1.64	0.36	13	556	4.94	338	0.02	5	3.32	0.02	0.01	2	3	5	
S	L50E 40N	8	91	12	259	3.0	177	5	568	3.18	33	5	ND	ND	52	4	2	2	162	3.46	0.48	18	220	2.45	710	0.04	5	1.81	0.03	0.01	2	2	5	
S	L50E 50N	9	97	22	221	3.2	230	6	629	3.90	53	5	ND	ND	140	5	4	2	164	5.34	0.65	21	276	2.36	451	0.03	5	1.67	0.01	0.01	2	3	360	
S	L50E 60N	9	77	19	298	2.9	138	6	321	3.01	54	5	ND	ND	146	4	4	2	86	5.05	0.62	27	112	0.85	372	0.01	5	0.78	0.02	0.01	3	2	5	
S	L50E 70N	9	87	28	238	3.0	213	5	622	3.66	54	5	ND	ND	93	4	7	2	149	3.60	0.60	22	251	2.11	542	0.04	5	1.53	0.02	0.01	6	2	20	
S	L50E 80N	14	82	32	340	2.5	155	6	438	2.96	44	5	ND	ND	94	4	6	2	124	3.46	0.47	28	136	1.29	270	0.01	5	1.00	0.03	0.01	6	2	40	
S	L50E 90N	9	63	26	208	3.0	136	5	418	2.50	32	5	ND	ND	177	5	2	2	96	6.39	0.72	22	120	0.98	214	0.01	5	0.75	0.01	0.01	3	2	10	
S	L50E 100N	8	76	28	160	2.3	92	5	401	2.76	31	5	ND	ND	104	5	2	2	93	3.97	0.48	21	90	0.99	258	0.04	5	0.96	0.01	0.01	3	2	5	
S	L50E 110N	10	78	29	287	2.5	126	5	403	2.87	37	5	ND	ND	102	5	5	2	120	3.59	0.45	24	114	1.11	252	0.03	5	0.91	0.02	0.01	3	2	5	
S	L50E 120N	10	71	20	290	2.6	158	6	485	2.99	48	5	ND	ND	99	4	9	2	105	3.77	0.60	22	181	1.55	410	0.05	5	1.07	0.03	0.01	6	2	5	
S	L50E 130N	8	65	48	350	3.4	146	6	532	2.82	43	5	ND	ND	46	4	7	4	98	1.68	0.36	20	167	1.39	1192	0.04	5	1.00	0.01	0.01	6	2	40	
S	L50E 140N	8	66	77	526	5.0	140	3	702	2.93	29	5	ND	ND	20	5	8	2	97	0.74	0.21	13	171	1.48	2198	0.05	5	1.12	0.01	0.01	3	2	110	
S	L50E 150N	6	168	285	761	11.2	103	8	1886	2.22	18	5	ND	ND	14	16	13	2	67	0.45	0.12	8	112	1.00	3293	0.06	5	0.87	0.02	0.01	2	1	780	
S	L50M 00N	9	54	11	190	3.4	66	2	258	2.08	18	5	ND	ND	70	3	5	2	52	1.21	0.24	14	42	0.27	273	0.02	5	0.74	0.02	0.01	2	1	5	
S	L50M 10N	3	27	16	78	0.2	30	1	477	3.22	14	5	ND	ND	21	1	4	2	73	0.25	0.01	6	47	0.61	200	0.06	5	1.64	0.04	0.01	3	1	5	
S	L50M 20N	6	49	12	173	4.9	85	5	577	3.11	22	5	ND	ND	60	4	4	2	33	0.92	0.11	25	42	0.18	257	0.01	5	0.95	0.03	0.02	3	1	5	
S	L50M 30N	6	51	10	138	1.6	72	8	456	3.14	17	5	ND	ND	75	3	3	2	52	1.47	0.24	15	37	0.38	408	0.03	5	1.01	0.01	0.01	3	1	5	
S	L50M 40N	9	49	3	187	3.7	67	3	255	2.21	9	5	ND	ND	234	4	2	2	14	7.21	0.72	17	17	0.19	191	0.01	5	0.30	0.01	0.01	1	1	5	
S	L50M 50N	6	54	8	157	2.6	63	5	328	2.41	12	5	ND	ND	140	3	2	2	27	4.44	0.54	15	27	0.30	236	0.02	5	0.60	0.02	0.01	1	1	5	
S	L50M 60N	7	41	5	145	2.6	56	3	245	1.79	16	5	ND	ND	152	3	5	2	34	4.70	0.60	13	32	0.42	315	0.02	5	0.61	0.03	0.01	1	1	5	
S	L50M 70N	4	117	12	136	2.9	220	26	419	3.06	40	5	ND	ND	177	3	8	2	78	6.77	0.27	22	201	2.59	241	0.01	5	1.90	0.01	0.02	7	2	5	
S	L50M 80N	5	177	5	77	0.4	636	80	1225	6.13	27	5	ND	ND	20	3	4	3	129	0.69	0.07	8	410	4.45	102	0.29	36	2.72	0.01	0.03	1	2	5	
S	L50M 90N	3	331	1	95	0.6	287	48	1380	5.86	27	5	ND	ND	17	2	2	2	168	0.48	0.07	8	252	4.14	156	0.23	5	3.52	0.01	0.01	1	3	5	
S	L50M 100N	6	158	14	85	1.1	470	61	1561	6.96	84	5	ND	ND	32	4	7	2	127	0.79	0.07	8	402	4.73	163	0.17	186	2.92	0.01	0.03	1	2	40	
S	L50M 110N	6	193	50	190	2.2	473	68	1303	6.49	88	5	ND	ND	31	4	8	2	149	0.74	0.07	8	479	4.79	306	0.20	83	3.31	0.01	0.03	1	2	50	
S	L50M 120N	4	711	20	118	2.7	183	46	1866	5.96	75	5	ND	ND	18	3	4	2	139	0.39	0.09	16	190	2.95	668	0.19	5	2.69	0.01	0.01	1	2	70	

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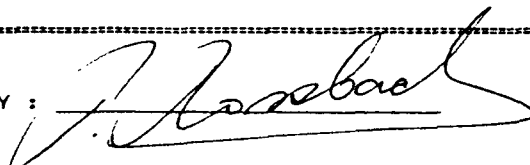
CERTIFICATE OF ANALYSIS

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3M1
Ph: (604)299-6910 Fax: 299-6252

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 893376
INVOICE # : 90537
DATE ENTERED : 89-09-19
FILE NAME : MPH89337
PAGE # : 3

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM Mn	I FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	I CA	I P	PPM LA	PPM CR	I MG	PPM BA	I TI	PPM B	I AL	I NA	I SI	PPM W	PPM BE	PPB Au	PPB AA
S	L50W 130W	2	481	117	203	2.7	166	29	740	3.70	43	5	ND	ND	38	2	2	2	123	0.90	0.13	10	216	3.09	771	0.17	8	2.50	0.01	0.01	1	2	130	
S	L50W 140W	3	483	278	474	5.5	215	30	1021	4.76	41	5	ND	ND	27	5	4	2	146	0.53	0.09	10	266	3.32	991	0.17	17	2.72	0.01	0.01	1	2	70	
S	L50W 150W	4	243	44	155	4.9	166	24	723	4.14	76	5	ND	ND	17	1	7	2	92	0.31	0.07	7	203	2.18	1402	0.17	10	1.90	0.01	0.01	1	2	80	
S	L100E 000	5	38	7	126	1.7	65	9	474	2.51	14	5	ND	ND	22	1	2	2	86	0.49	0.11	11	109	1.44	329	0.05	5	1.64	0.01	0.01	1	2	30	
S	L100E 10W	8	70	18	246	4.3	96	9	501	2.88	39	5	ND	ND	56	3	4	2	78	1.18	0.29	19	91	0.98	417	0.03	7	1.41	0.01	0.01	2	2	5	
S	L100E 20W	14	86	32	329	5.7	151	11	275	2.91	80	5	ND	ND	94	5	18	5	55	2.17	0.51	28	51	0.30	297	0.01	22	0.71	0.01	0.01	7	2	5	
S	L100E 30W	11	67	31	313	5.0	104	10	420	2.85	53	5	ND	ND	65	4	13	6	61	1.40	0.40	25	53	0.30	311	0.02	16	0.88	0.01	0.01	6	2	5	
S	L100E 40W	10	66	41	300	3.7	88	8	243	2.25	50	5	ND	ND	155	5	15	8	59	4.88	0.38	25	56	0.54	206	0.01	8	0.66	0.01	0.01	7	2	5	
S	L100E 50W	11	73	50	463	3.9	91	8	346	2.30	51	5	ND	ND	192	6	15	7	82	6.24	0.40	23	70	0.60	630	0.02	5	0.79	0.01	0.01	7	2	5	
S	L100E 60W	12	71	31	323	3.6	94	9	321	2.44	41	5	ND	ND	101	5	9	2	91	2.95	0.33	22	79	0.74	281	0.02	5	0.94	0.01	0.01	5	2	5	
S	L100E 70W	11	79	34	312	3.7	97	11	371	2.61	44	5	ND	ND	37	5	11	7	84	2.60	0.36	23	76	0.80	218	0.02	7	0.98	0.01	0.01	7	2	5	
S	L100E 80W	10	119	31	583	4.0	93	21	627	3.84	42	5	ND	ND	38	4	8	4	79	1.00	0.27	22	86	1.03	202	0.02	5	1.49	0.01	0.01	5	2	5	
S	L100E 90W	10	95	29	269	3.0	85	13	498	2.89	35	5	ND	ND	34	2	6	6	79	0.89	0.27	21	74	0.80	216	0.02	7	1.10	0.01	0.01	4	2	5	
S	L100E 100W	6	80	3	214	2.7	70	6	392	2.58	14	5	ND	ND	29	1	2	2	68	0.73	0.22	16	63	0.80	208	0.02	5	1.07	0.01	0.01	1	1	5	
S	L100E 110W	8	86	7	223	2.6	88	9	494	2.85	19	5	ND	ND	29	1	2	2	87	0.71	0.25	20	86	1.09	397	0.02	5	1.38	0.01	0.01	1	2	5	
S	L100E 120W	8	55	18	257	2.0	93	12	699	3.03	27	5	ND	ND	24	1	2	2	110	0.64	0.25	14	165	1.81	410	0.02	5	1.80	0.01	0.01	1	2	5	
S	L100E 130W	6	49	11	286	2.4	75	8	640	2.97	18	5	ND	ND	23	1	2	2	113	0.56	0.25	14	168	1.92	377	0.02	5	1.98	0.01	0.01	1	2	5	
S	L100E 140W	6	49	1	245	1.7	90	8	502	2.92	23	5	ND	ND	23	1	2	2	108	0.58	0.25	8	168	1.94	278	0.03	5	1.82	0.01	0.01	1	2	5	
S	L100E 150W	7	63	21	412	2.4	99	9	438	2.83	25	5	ND	ND	30	2	4	2	104	0.87	0.27	17	150	1.68	525	0.03	5	1.66	0.01	0.01	2	2	5	
S	L100W 00W	9	55	7	196	0.5	62	9	509	3.10	18	5	ND	ND	37	1	4	2	83	0.61	0.13	11	49	1.02	192	0.11	5	2.01	0.01	0.01	1	2	5	
S	L100W 10W	12	59	18	248	1.9	69	6	335	2.18	24	5	ND	ND	145	8	10	3	128	3.23	0.22	10	52	1.03	213	0.06	5	1.55	0.01	0.01	3	2	5	
S	L100W 20W	6	53	12	136	4.2	59	3	289	1.91	26	5	ND	ND	142	2	7	2	55	2.80	0.40	13	57	0.79	243	0.04	5	1.30	0.01	0.01	4	2	5	
S	L100W 30W	9	45	3	158	1.1	51	6	401	2.72	16	5	ND	ND	59	1	5	2	85	0.70	0.16	10	58	0.93	203	0.06	5	1.80	0.01	0.01	1	2	5	
S	L100W 40W	6	49	8	144	1.5	50	6	469	3.32	14	5	ND	ND	27	1	2	2	54	0.39	0.11	8	49	0.79	191	0.03	6	1.88	0.01	0.01	1	2	5	
S	L100W 50W	4	21	10	73	0.9	21	2	265	1.58	10	5	ND	ND	25	1	5	2	38	0.52	0.22	6	41	0.38	271	0.01	10	1.09	0.01	0.01	1	1	5	
S	L100W 60W	5	49	10	139	2.9	58	4	329	1.84	15	5	ND	ND	37	1	5	2	21	0.81	0.29	20	28	0.33	210	0.01	5	0.74	0.01	0.01	3	1	5	
S	L100W 70W	7	44	12	161	2.5	69	7	376	2.46	28	5	ND	ND	32	1	4	2	61	0.76	0.25	17	48	0.84	233	0.03	5	1.38	0.01	0.01	1	1	5	
S	L100W 80W	5	45	8	80	0.6	31	6	786	2.92	21	5	ND	ND	49	1	4	2	55	0.98	0.16	6	39	0.75	209	0.03	10	1.70	0.01	0.02	1	2	5	
S	L100W 90W	3	127	4	76	0.6	348	44	827	4.80	16	5	ND	ND	19	1	3	2	98	0.41	0.11	11	227	3.23	158	0.17	5	2.74	0.01	0.02	1	2	5	
S	L100W 100W	3	103	9	85	0.5	173	29	924	4.71	23	5	ND	ND	27	1	4	2	84	0.50	0.09	14	151	2.12	304	0.16	5	2.53	0.01	0.02	1	2	5	
S	L100W 110W	3	25	5	52	0.5	26	3	263	2.38	10	5	ND	ND	41	1	4	2	55	0.47	0.09	6	44	0.65	180	0.07	12	1.51	0.01	0.01	1	1	5	
S	L100W 120W	1	44	1	82	0.2	35	9	592	3.37	18	5	ND	ND	29	1	2	2	64	0.35	0.07	8	48	1.03	202	0.11	5	2.30	0.01	0.01	1	2	5	
S	L100W 130W	1	51	1	78	0.3	27	6	631	2.81	3	5	ND	ND	17	1	2	2	51	0.21	0.07	4	41	1.02	344	0.10	5	2.16	0.01	0.01	1	1	5	
S	L100W 140W	2	49	9	79	0.3	33	10	538	2.96	13	5	ND	ND	15	1	4	7	55	0.20	0.07	8	46	0.98	197	0.09	5	2.14	0.01	0.01	1	2	5	
S	L100W 150W	2	36	5	66	0.2	26	6	387	2.70	12	5	ND	ND	16	1	2	3	53	0.17	0.07	8	45	0.86	138	0.08	5	2.06	0.01	0.01	1	2	5	

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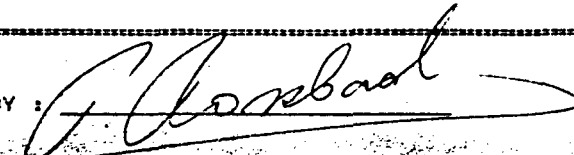
2225 S. Springer Ave., Burnaby,
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Ph: (604)299-6910 Fax: 299-6252

CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 89351
INVOICE # : 90548
DATE ENTERED : 89-09-25
FILE NAME : MPH89351.I
PAGE # : 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM Mn	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	PPM B	% AL	% NA	% SI	PPM W	PPM DE	PPM As	PPM AA
A	890701	2	31	6	26	0.2	16	20	619	1.95	18	5	ND	ND	42	1	5	2	13	1.62	0.07	8	10	0.35	368	0.01	146	0.29	0.01	0.01	12	1	5	
A	890702	4	48	23	45	0.1	39	64	483	2.45	32	5	ND	ND	104	1	6	2	110	3.68	0.10	12	63	1.50	27	0.01	181	1.37	0.01	0.02	12	2	5	
A	890703	3	29	23	179	0.1	57	30	673	3.11	21	5	ND	ND	145	2	8	4	9	9.12	0.05	17	20	2.87	234	0.01	343	0.35	0.01	0.02	22	1	5	
A	890704	4	122	11	88	0.1	79	107	1246	4.93	24	5	ND	ND	51	1	2	2	51	2.22	0.07	12	163	1.75	36	0.01	54	2.52	0.01	0.02	6	1	5	
A	890705	1	3	1	13	0.1	15	14	620	0.53	2	5	ND	ND	94	1	2	2	19	16.79	0.03	9	55	0.48	27	0.07	25	0.36	0.01	0.01	1	1	5	
A	890706	2	11	1	31	0.1	13	22	210	2.36	4	5	ND	ND	28	1	2	2	32	0.14	0.03	7	28	0.03	816	0.01	42	0.53	0.01	0.02	1	1	5	
A	890707	2	8	3	16	0.1	27	12	114	2.10	25	5	ND	ND	6	1	2	2	28	0.79	0.05	2	113	0.14	53	0.26	705	0.12	0.01	0.01	5	1	5	
A	890708	1	31	1	5	0.2	1	44	5	1.34	3	5	ND	ND	17	1	2	2	49	0.19	0.11	1	18	0.01	93	0.01	156	0.84	0.01	0.01	1	1	5	
A	890709	15	46	25	105	0.1	29	98	315	15.46	27	5	ND	ND	65	9	2	2	27	0.41	0.20	5	1	0.25	180	0.01	64	0.90	0.01	0.02	27	1	5	
A	890710	8	19	19	21	0.1	14	36	52	12.25	23	5	ND	ND	41	3	2	2	47	0.10	0.20	3	1	0.05	126	0.01	81	0.49	0.01	0.01	17	1	5	
A	890711	6	44	37	98	0.1	34	80	854	6.33	44	5	ND	ND	103	4	8	5	98	4.70	0.18	12	22	2.21	44	0.01	1848	1.01	0.01	0.02	23	2	5	
A	890712	27	44	60	255	0.1	30	84	97	18.49	55	5	ND	ND	132	22	18	2	106	0.17	0.47	13	1	0.08	440	0.01	138	0.68	0.01	0.01	47	2	5	
A	890713	10	39	17	41	0.1	53	85	445	4.39	37	5	ND	ND	36	2	7	2	117	1.44	0.07	8	185	1.22	92	0.23	1002	1.11	0.01	0.01	13	2	5	
A	890714	2	25	8	15	0.1	16	17	171	1.21	5	5	ND	ND	4	1	2	2	13	0.04	0.01	1	209	0.23	10	0.01	30	0.37	0.01	0.02	2	1	5	
A	891301	7	837	26	44	0.7	114	41	554	9.64	39	5	ND	ND	69	8	4	2	13	12.33	0.15	20	33	0.12	52	0.01	4858	0.23	0.01	0.01	24	1	20	
A	891302	4	29	15	45	0.1	194	142	243	5.67	81	5	ND	ND	2	2	2	2	63	0.13	0.06	3	488	4.14	63	0.01	2145	2.65	0.01	0.02	3	1	5	
A	891303	3	29	1	22	0.1	15	14	1593	1.80	2	5	5	ND	108	1	2	2	16	29.06	0.01	4	17	1.02	7	0.01	859	0.32	0.01	0.01	1	1	5	
A	891304	85	133	268	125	7.0	62	77	226	18.53	108	5	5	12	2	22	41	8	18	0.11	0.04	3	14	0.67	42	0.03	11616	0.49	0.01	0.01	42	1	5	
A	891305	1	13	1	13	0.2	8	2	1606	1.08	2	5	5	ND	172	1	2	2	1	35.53	0.01	3	10	0.43	12	0.01	577	0.06	0.01	0.01	1	1	5	
A	891306	78	95	142	93	4.6	43	53	279	13.64	80	5	ND	8	3	7	26	2	37	0.16	0.03	3	18	0.98	56	0.09	7594	0.71	0.01	0.01	28	1	5	
A	891307	6	38	15	33	0.2	29	25	275	1.58	17	5	ND	ND	21	1	7	2	38	0.76	0.02	4	118	0.77	104	0.07	383	0.51	0.01	0.02	9	1	5	
A	891308	3	37	8	18	0.1	9	38	307	2.18	11	5	ND	ND	56	1	3	2	28	0.25	0.09	7	61	0.80	18	0.11	314	0.90	0.01	0.01	6	1	5	
A	891309	5	167	19	13	0.4	44	39	483	6.08	30	5	ND	ND	56	2	7	2	12	7.08	0.08	6	18	0.09	65	0.01	2399	0.23	0.01	0.01	23	1	5	
A	891310	21	6	1	13	0.1	40	17	451	0.75	11	5	ND	ND	44	1	5	2	115	0.25	0.02	8	131	0.54	1138	0.07	127	0.34	0.01	0.02	8	2	5	
A	891311	4	90	37	129	0.5	35	118	744	4.94	36	5	ND	7	7	5	12	21	226	0.76	0.09	13	79	4.23	85	0.56	980	2.99	0.01	0.02	12	4	5	
A	891312	8	221	42	75	0.9	92	34	805	10.44	68	5	ND	5	36	6	12	2	14	2.72	0.10	8	31	0.27	42	0.01	4680	0.30	0.01	0.01	31	1	5	
A	891313	4	32	16	31	0.1	31	74	509	2.73	25	5	ND	ND	75	2	8	4	52	0.79	0.13	7	46	1.74	30	0.19	178	1.67	0.01	0.01	8	1	5	
A	891314	6	812	23	60	0.5	67	33	673	3.89	48	5	ND	ND	108	3	9	3	17	6.75	0.08	10	82	0.39	55	0.01	1735	0.46	0.01	0.01	20	1	5	
A	891315	5	135	6	7	0.1	10	33	242	2.64	15	5	ND	ND	21	1	4	2	30	0.82	0.05	4	97	0.37	23	0.08	302	0.82	0.01	0.01	10	1	5	

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : GEOCHEMICAL

CERTIFICATE # : 893376
INVOICE # : 90337
DATE ENTERED : 89-09-19
FILE NAME : MPH89337.G
PAGE # : 3

REF IX	SAMPLE NAME	FPB Au
S	890801	5
S	890802	5
S	890803	5
S	890804	5
S	890805	5
S	890806	5
S	890807	5
S	890808	5
S	890809	5
S	890810	5
S	890814	5
S	890815	90
S	890816	540
S	890817	6700 ✓
S	890818	700
S	890819	440
S	890820	5
S	890821	1380
S	890901	10
S	890902	10
S	890903	10
S	890904	5
S	890905	5
S	891001	220
S	891002	3300 ✓
S	891003	30
S	891004	5
S	891005	180
S	891006	5
S	891007	30

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VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : GEOCHEMICAL

CERTIFICATE # : 893376
INVOICE # : 90337
DATE ENTERED : 89-09-19
FILE NAME : MPH89337.G
PAGE # : 3

FRE FIX	SAMPLE NAME	PPM Ag
A	890301	0.3
A	890302	0.2
A	890303	0.2
A	890304	0.1
A	890305	0.2
A	890306	0.1
A	890307	0.1
A	890308	0.1
A	890309	0.1
A	890310	0.1
A	890314	0.1
A	890315	50.6
A	890316	44.7
A	890317	>100.0
A	890318	86.0
A	890319	0.7
A	890320	0.1
A	890321	>100.0
A	890701	1.5
A	890702	0.6
A	890703	0.1
A	890704	0.2
A	890705	0.1
A	891001	77.8
A	891002	>100
A	891003	2.2
A	891004	0.4
A	891005	19.7
A	891006	0.3
A	891007	1.7
A	891008	55.0
A	891009	60.0
A	891010	0.3
A	? 891011	0.6
A	891101	1.6
A	891103	25.5
A	891107	4.5
A	891108	3.9
A	891103A	0.4

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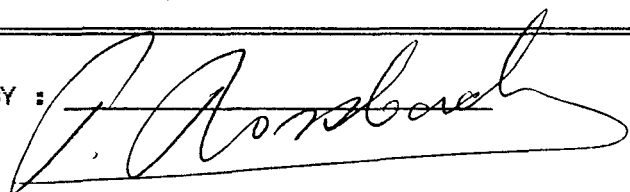
CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : MPH89337A
INVOICE # : 90547
DATE ENTERED : 89-09-22
FILE NAME : MPH89337.A
PAGE # : 1

FRE FIX	SAMPLE NAME	oz/t	oz/t	%
		Au	Ag	Ba
P	890815		1.60	
P	890816	0.024	1.30	50.50
P	890817	0.240	7.10	23.20
P	890818	0.026	2.52	39.20
P	890821	0.053	5.98	51.00
P	891001		2.50	1.88
P	891002	0.106	3.28	10.40
P	891008	0.055	1.76	50.75
P	891009	0.064	1.74	6.25

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : GEOCHEMICAL

CERTIFICATE # : 893376
INVOICE # : 90337
DATE ENTERED : 89-09-19
FILE NAME : MPH89337.D
PAGE # : 4

PRE FIX	SAMPLE NAME	PPB Au
A	891008	1720
A	891009	1840
A	891010	20
A	891011	5
A	891101	100
A	891103	40
A	891107	20
A	891108	60
A	891103A	5

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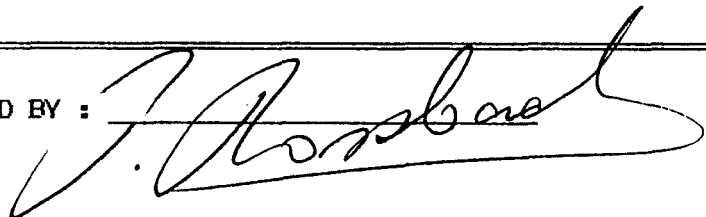
CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W. HASTINGS ST.
VANCOUVER, B.C.
PROJECT : V 297
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : 89338A
INVOICE # : 90547
DATE ENTERED : 89-09-22
FILE NAME : MPH89338.A
PAGE # : 1

PRE FIX	SAMPLE NAME	% Zn
	891101	17.40
P	891103	34.50
	891107	29.90
	891108	25.60

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Sample	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ba ppm	Other ppm
890701	Have grab of calc. silicate schist, white, finely banded with alternating quartz and limonitic bands after pyrite, sphalerite(?); float - lower Zinc Mtn./Quartz Ck.	5	0.2	31	6	26	368	
890702	As above; slightly more sheared with fresh minor disseminated cubic pyrite	5	0.1	48	23	45	27	
890703	Andesitic quartz/mica schist after basic(?) tuff with minor disseminated fine cubic pyrite especially along mica selvages; near 89070	5	0.1	29	23	179	234	
890704	Quartz/limonite blowout/vein hosted in black hornfelsed graphite in argillaceous sediment outcrop in slough at bluff on Zinc Mtn.	5	0.1	122	11	88	36	Co 107
890705	Grab, local float, headwater cirque - Zinc Ck; high grade calc. schist/mica schist, crenulation folding and <1% very finely disseminated pyrite	5	0.1	3	1	13	27	
890706	Rust weathering, black pyritic-quartzite; BD#1 rubble crop	5	0.1	11	1	31	816	
890707	Siliceous quartzite with up to 10% finely disseminated pyrite in dark rust weathering blocks at quartzite/limestone contact; BD1 - Zinc Mtn.	5	0.1	8	3	16	53	
890708	Quartz/calc. schist, schist inlayer in carb unit; BD-2, outcrop	5	0.2	31	1	5	93	
890709	Same as 08; BD3, outcrop	5	0.1	46	25	105	160	Co 98, Fe 15.46%
890710	As 08; intense manganese limonite; BD4, outcrop	5	0.1	19	19	21	126	Fe 12.25%
890711	As 08; increased chlorite; BD5, outcrop; 10% fresh disseminated cubic pyrite	5	0.1	44	37	98	44	Co 80

Sample	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ba ppm	Other ppm
890712	As 08; intense manganese limonite after sulphides as bands within ankeritic(?) schist	5	0.1	44	60	255	440	Co 84, Fe 18.49%, Sb 18, W 47
890713	Hornfelsed quartz chloritic schist at silicified/dyke contact near BDI; 5% fine disseminated pyrite, pyrrhotite(?); grab of outcrop	5	0.1	39	17	41	92	Co 85
890714	Quartz vein grab in quartz cubic cirque rubble crop up six 1 m wide coarse crystalline quartz with limonite/manganese to 10%; no hand specimens	5	0.1	25	8	15	10	Cr 209
890801	Rubble crop - Altered sheared/silicified greenstone with 3" wide quartz vein with partly weathered coarse pyrite, total sulphides 3-5%	5	0.3	87	29	215	64	
890802	Float - Altered schistose greenstone selvages with pyrite, in white sucrosic quartz vein material	5	0.2	40	1	258	38	
890803	Float - Dark grey banded cherty argillite with trace disseminated pyrite, small quartz veinlet X-cuts rock	5	0.2	90	1	72	126	
890803A	Outcrop - Altered greenstone with trace partly weathered disseminated pyrite	5	0.4	31	10	82	80	
890804	Dark green quartz-chlorite schist	5	0.1	27	12	82	85	
890805	Rubble crop - Quartz chlorite sericite banded cherty tuff, to chert partly fractured, with disseminated pyrite/sphalerite on bedding and fracture planes; total sulphides <1% sericitic/chloritic partings	5	0.2	28	14	36	89	
890806	Chlorite/quartz schist	5	0.1	20	9	14	221	

Sample	Description	Au ppb (oz/T)	Ag ppm (oz/T)	Cu ppm	Pb ppm	Zn ppm	Ba ppm (%)	Other ppm
890807	Rubble crop - Light green-grey cherty sericitic phyllite (tuff) with minor disseminated pyrite (<1%)	5	0.1	22	1	108	254	
890808	Outcrop 2" wide milky white-grey quartz vein in chlorite-quartz schist, slightly limonitic	5	0.1	5	11	48	61	
890809	Dark grey banded chert with trace disseminated pyrite, slightly fractured	5	0.1	24	19	22	174	Mo 33
890810	Float - Semi-translucent blue-grey, silicified carbonate-(quartz vein?)	5	0.1	5	1	24	16	Mo 25
890811	Float - Rusty weathered dark green pyritic greenstone; amphibolite with 2% pyrite	5	0.8	557	1	47	285	Co 38
890814	Rubble crop; quartz (carbonate) vein cutting dark grey argillite with trace pyrite	5	0.1	20	23	8	366	
890815	Grey, coarse altered recrystallized limestone, cross cut by 2 cm carbonate vein with 1-2% chalcopyrite, sphalerite, gn pyrite, >1% disseminated pyrite in limestone host; float L50E 0+60N	90	50.6 (1.60)	1684	1509	15398	112	Sb 56
890816	Rubble crop at discovery outcrop, finely banded barite with buff weathering after trace very fine grained pyrite and fracture controlled limonite after pyrite	540 (0.024)	44.7 (1.30)	98	2205	1961	734 (50.50)	Mo 19, Sb 66
890817	Buff weathered grey fresh baritic(?) cherty tuff, 10-15% finely disseminated to banded pyrite, minor shearing; directly underlying barite, float, L0+25W 0+80N	6700 (0.240)	211.5 (7.10)	57	1705	1282	342 (23.20)	Mo 33, Sb 51
890818	Sheared recrystallized and finely bedded barite in frost heave boulder south of (uphill) blowout; trace pyrite, galena, sphalerite	700 (0.026)	86.0 (2.25)	75	2930	1757	261 (39.20)	

Sample	Description	Au ppb (oz/T)	Ag ppm (oz/T)	Cu ppm	Pb ppm	Zn ppm	Ba ppm (%)	Other ppm
890819	Sheared greenstone chlorite schist, dark rust weathering with 1% disseminated pyrite and trace chalcopyrite; L 0+25E 0+80N outcrop	440	0.7	566	37	58	558	
890820	Lightly sheared, light grey cherty felsic tuff, minor chlorite/sericite on selvages, limonite after fracture controlled pyrite; float, L 75E 0+50N	5	0.1	9	20	17	703	
890821	Massive grey-white bedded barite, minor limonite; discovery outcrop	1380 (0.053)	175.6 (5.98)	28	235	414	2369 (51.00)	Sb 52
890901	Highly sheared greenstone chlorite schist; whole rock; outcrop; L 200E 0+10N	10	1.5	4	29	25	3468	
890902	Sheared cherty tuff with chloritic selvages; very minor limonite; occasionally along cleavage after pyrite(?); L200E 0+00N; rubble crop	10	0.6	9	12	23	1035	
890903	Highly sheared greenstone chlorite schist with very minor pyrite; whole rock, outcrop; L 300E 0+00N	10	0.1	9	4	24	161	
890904	Dark rust weathering, black baked argillite with very fine grained, disseminated pyrite to 1%; in fault contact, outcrop with limestone; far east slope, Barite Mtn.	5	0.2	28	14	74	202	
890905	Highly sheared, rust weathering cherty phyllite overlying greenstone/limestone/barite package, 5% limonite after pyrite; outcrop, L 50W 0+50N	5	0.1	86	13	14	448	
891001	Coarse recrystallized grey-brown barite with stringer calcite and blebs of pyrite, galena, sphalerite mineralization to massive over 3 cm; grab of rubble crop; L0+5W 0+80N	220	77.8 (2.50)	322	12134	9127	58 (1.88)	Co 28, Fe 5.87%, As 139, Sb 42, Ni 158

Sample	Description	Au ppb (oz/T)	Ag ppm (oz/T)	Cu ppm	Pb ppm	Zn ppm	Ba ppm (%)	Other ppm
891002	Buff weathering, grey, fresh baritic chert; massive to sheared with 10-20% very fine pyrite found in local float in direct contact with massive bedded barite - L0+10E 0+90N	3300 (0.106)	94.5 (3.28)	197	342	3956	113 (10.40)	Mo 32, Co 24, Sb 53
891003	Buff weathering, highly sheared quartz (ser.) schist (after 891002 above?) with 5-10% coarse cubic pyrite disseminated float - L0+50W 0+90N	30	2.2	46	1	31	171	As 154, Fe 5.80%, Cr 261
891004	Hornfelsed argillite with 1-2% medium cubic pyrite float - L0+10E 1+20N	5	0.4	73	46	88	401	
891005	Brown weathering, grey, fresh, sheared to massive chert, 7% finely disseminated pyrite, possibly baritic - L100E 0+50N	180	19.7	164	98	109	55	Ni 516, Co 76, Fe 6.95%, As 409, Sb 36
891006	Rust weathering, sheared/brecciated greenstone, float, minor shear controlled pyrite - L1+50E 0+80N	5	0.3	206	1	70	96	
891007	Rust weathering intense sheared greenstone with minor stringer quartz veining and up to 1% chalcopyrite - L 50E 1+00N Outcrop	30	1.7	1364	8	47	143	
891008	Massive, finely bedded barite, light buff weathering, interlayered white to grey; minor shearing with pyrite and 0.5% very fine disseminated pyrite - L 0+50W 1+00N Rubble crop	1720 (0.055)	56.0 (1.76)	232	1714	3094	242 (50.75)	
891009	Massive bedded barite; lesser v.f.g. pyrite interbeds; rubble crop - L 0+25W 0+50N	1840 (0.064)	60.0 (1.74)	196	1125	690	645 (6.25)	Sb 45
891010	White quartz (chl) schist after cherty tuff; sheared overlying greenstone with minor fine pyrite and sphalerite interbeds; rubble crop - L1+00E 50N	20	0.8	141	16	3071	810	
891011		5	0.6					

APPENDIX C
Cost Statement

1988 Reconnaissance Work Program

Personnel

H.K. Hoiles	M.Sc. P.Geol.	6 days @ \$500/day	\$ 3,000.00
T.E.G. Hawkins	M.Sc. P.Geol	6 days @ 500/day	3,000.00
B. Thomae	B.Sc.	2 days @ 350/day	<u>700.00</u>
			6,700.00

Transportation

Airfare	1,095.60	
4x4 Truck Rental	650.71	
Ferry	700.00	
Cab	<u>126.42</u>	
		2,572.73

Disbursements

Lodging	\$ 588.62	
Meals	527.22	
Geochemical Analysis	1200.75	
Gas & Repairs	61.81	
Xerox	176.72	
Phone	19.27	
Field Supplies	<u>208.85</u>	
		2,783.24

Drafting

347.56

Report Preparation

2,500.00

1988 Work Program Total \$ 14,903.53*

* Filed as PAC Account Credits for H. K. Hoiles.

Peter A. Christopher
Peter A. Christopher, P.Eng.
February 26, 1990



APPENDIX C
Cost Statement

1989 Work Program

Personnel

T.E.G. Hawkins M.Sc. P.Geol.	7 days @ \$500/day	# 3,500.00
H.K. Hoiles M.Sc P.Geol.	7 days @ \$500/day	3,500.00
Tim Neale B.Sc.		50.00
G. Larenzetti		50.00

Transportation

Airfare	740.60
Excess Baggage	60.00
4x4 Truck Rental	570.02
Helicopter	1273.00
Cab	36.00
Currier	37.00

Disbursements

Lodging	\$ 330.25	
Meals	328.00	
Geochemical Analysis	2133.25	
Rock Cutting	48.00	
Gas & Repairs	190.08	
Photos	97.89	
Phone	13.66	
Field Supplies	<u>78.77</u>	
		3,219.90

Report Preparation

2,500.00

1989 Work Program Total \$ 15,536.52

Peter A. Christopher
Peter A. Christopher P.Eng.
February 26, 1990



Peter Christopher & Associates Inc.
GEOLOGICAL & EXPLORATION SERVICES
3707 West 34th Ave., Vancouver, B.C. V6N 2K9

Office/Res: 263-6152

February 26, 1990

Goldbank Ventures Inc.
Main Fl. 625-4th Ave. S.W.
Calgary, Alberta T2P 0K2

Sutton Resources Ltd.
166-1055 Shellbridge Way
Richmond, British Columbia V6X 2N9

Dear Sirs:

I, Peter A. Christopher, Ph.D., P.Eng., hereby consent to the use of my report dated February 26, 1990 on the Goldrun Creek Property, Atlin Mining Division, British Columbia, by Goldbank Ventures Inc. or Sutton Resources Ltd. for assessment work or in any Filing Statement, Statement of Material Facts, or Prospectus.

Dated at Vancouver, British Columbia, this 26th day of February, 1990.


Peter A. Christopher, Ph.D., P.Eng.





LEGEND


- SILVER <3.5 ppm - 227.0 ppm
- GOLD <10ppb - 3450 ppb (0.135 oz/t)
- COPPER <216 ppm - 608 ppm
- LEAD <185 ppm - 60289 ppm
- ZINC <173 ppm - 270 ppm (HMC) / <1358 ppm - 94557 ppm (Rock)
- BARIUM <301 ppm - 717 ppm (HMC) / <500 ppm - 378 % (Rock)

ABBREVIATIONS

QV	Quartz Vein	HMC	Heavy Mineral Concentrate
ser	Sericite	chl	Chlorite
sch	Schist	Ba	Barium
py	Pyrite	Au	Gold
lst	Limestone	Ag	Silver
bar	Barite	Pb	Lead
grn stn	Greenstone	Zn	Zinc
qs	Glacial Till	Mo	Molybdenum

SYMBOLS

- △ Heavy Mineral Concentrate
- Rock Float Sample Location
- In Place Rock Sample Location

19,756
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT


GOLDBANK VENTURES LTD.

GOLDRUN CREEK PROJECT
 PROPERTY PLAN, SAMPLE LOCATIONS
 AND SELECTED GEOCHEMICAL RESULTS

ATLIN MINING DIVISION, B.C.

Project No:	By:
Scale: 1:12,500	Drawn: WELLENS DRAFTING
Figure No: 5	Date: February 1990