



TYPE OF REPORT/SURVEY(S) Geological, Related Technical, Physical	TOTAL COST \$ 83,668.98
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AUTHOR(S) K.V. Campbell SIGNATURE(S) *K. Campbell*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED YEAR OF WORK 1987

PROPERTY NAME(S) Sugar Creek Property

COMMODITIES PRESENT Au, Ag, Cu, Pb, Zn

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 93H; 030,031,032

MINING DIVISION Cariboo MTS 93H/4

LATITUDE 53 12' LONGITUDE 121 43'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIDE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease ML 123; Mining or Certified Mining Lease ML 12 (if not involved)]

List attached

OWNER(S)

(1) M. Poschner

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

MAILING ADDRESS

10607 - 132A St.
Surrey, B.C. V3T 3X8

OPERATOR(S) (that is, Company paying for the work)

(1) M. Poschner

16,755

MAILING ADDRESS

10607 - 132A St.
Surrey, B.C. V3T 3X8

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The claims are underlain by Devonian-Mississippian black phyllites, Mississippian-Permian micaceous quartzite and Permian limestone. The rock units are folded by NW trending folds. There are several gold-bearing quartz veins with pyrite, galena and sphalerite. Copper-stained quartzites outcrop in the north part of the claims. Boulders of brecciated, coarse sphalerite, vein quartz and quartzite occur in Sugar Creek.

REFERENCES TO PREVIOUS WORK Holland, 1947; BCMMAR.

Campbell, 1983
Baerg, 1984

GEOLOGICAL (scale, area)		2000 ha	on all claims of property	\$ 2,355.55
Ground				
Photo				
GEOPHYSICAL (line-kilometres)				
Ground				
Magnetic				
Electromagnetic				
Induced Polarization				
Radiometric				
Seismic				
Other				
Airborne				
GEOCHEMICAL (number of samples analysed for)				
Soil				
Silt				
Rock		150; Au, Ag, + others	"	\$ 1,511.52
Other				
DRILLING (total metres; number of holes, size)				
Cora		6 holes, 120m, AQ	JJF claim	\$ 7,200.00
Non-core				
RELATED TECHNICAL				
Sampling			on all claims of property	\$ 20,801.91
Petrographic				
Mineralogic				
Metallurgic				
PROSPECTING (scale, area)		2000 ha, 1:50,000	"	\$ 8,000.00
PREPARATORY/PHYSICAL				
Legal surveys (scale, area)				
Topographic (scale, area)				
Photogrammetric (scale, area)				
Line/grid (kilometres)				
Road, local access (kilometres)		4 km	JJE, Frost, Frost II	\$ 30,000.00
Trench (metres), pits: 400 m			JJF, Frost, Frost II	\$ 13,800.00
Underground (metres)				
				TOTAL COST \$ 83,668.98

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted Date	Rept. No.			Information Class

REPORT ON THE GEOLOGY AND PROPOSAL FOR
EXPLORATION OF THE SUGAR CREEK PROPERTY;

Sugar Creek Area
Cariboo Mining Division, British Columbia
N.T.S. Map Area 93H/4
Latitude 53° 12'N Longitude 121° 43'W

for

POSCHNER CONSTRUCTION LTD.
10607 - 132A St.
Surrey, B.C.
V3T 3X8

by

K.V. Campbell, Ph.D.

December, 1987

SUMMARY

The Sugar Creek property of Mr. Mike Poschner consists of 17 claims (81 units and two-post claims) and 3 fractions located 12½ km northwest of Wells in the Cariboo Mining Division. The property lies at the northwest end of the Barkerville Gold Belt and is underlain by the same rock units (black phyllite and micaceous quartzite) that host gold-quartz veins and auriferous pyrite replacement deposits to the southwest.

The following types of mineralization occur or have the potential to occur on the property:

1) Gold-bearing quartz veins. Several of these are known and gold values as high as 12.25 oz/ton are reported from galena and sphalerite-rich samples, but the gold values are inconsistent and the veins are rather narrow in addition to pinching and swelling along strike.

2) Copper-stained micaceous quartzites, with about 1% Cu, occur on Mustang Mtn.

3) Boulders, greater than 1 m in diameter, of coarse sphalerite, quartz and quartzite along Sugar Creek. These are believed to come from the local area and give a potential for fracture controlled or perhaps stratabound mineralization. This material assays 2.05% Pb, 5.02% Zn and 6.5 oz Ag/ton. It is very worthy of exploration.

4) The occurrence of auriferous pyrite replacement ore in limestone located near the base of the micaceous quartzite unit is a strong possibility. Limestones do occur within the quartzite unit in the southeastern corner of the claims, not far from the contact with the black phyllite unit.

In 1987 Mr. Poschner built access roads up Sugar Creek and over Mustang Mtn., trenched and pitted a few quartz veins and diamond drilled six holes in two areas of quartz veining. The drilling did not locate any significant gold mineralization, although two 3 m (10') intervals were found of galena-rich quartz and phyllite with silver values of 0.63 and 0.74 oz g/ton.

A two-stage exploration program is recommended. Stage I is geological mapping and geochemical soil sampling, estimated to cost \$117,000. Stage II would include geophysical surveys and trenching, estimated to cost \$206,000.

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1 INTRODUCTION

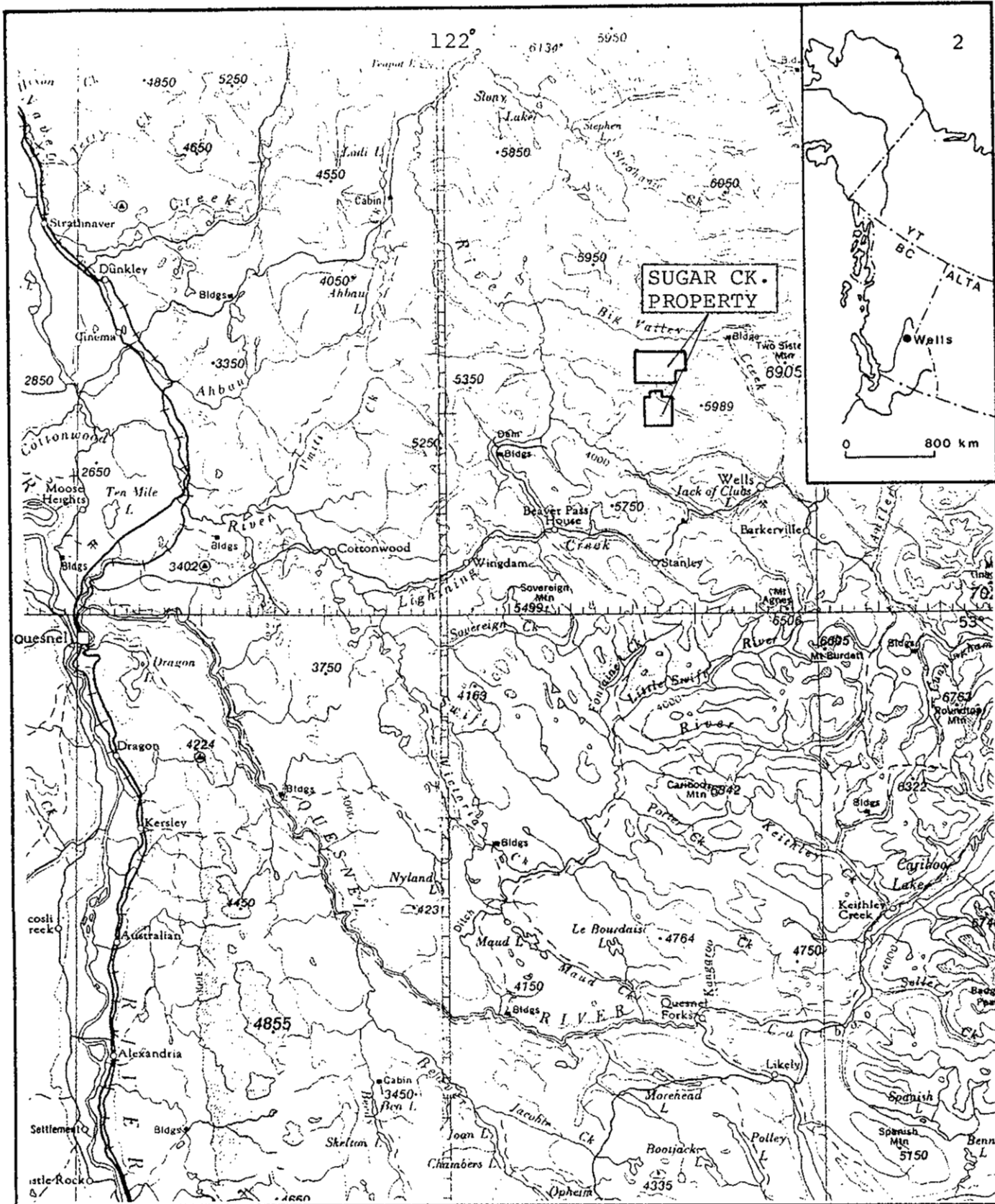
This report describes the geology and results of mineral exploration to date on the Sugar Creek property. The claims are currently being explored by POSCHNER CONSTRUCTION LTD. of Surrey B.C., whose President, Mr. Mike Poschner, requested this report. It is the intention of POSCHNER CONSTRUCTION LTD. to explore for and develop gold mineralization on the property.

The geological setting is such that there is a good potential for the occurrence of gold-bearing quartz veins, gold and silver-bearing massive sulphides and possibly auriferous pyrite replacement deposits. The purpose of this report is to review the work done to date and to assess the likelihood of mineralization.


I have been directly involved in several mineral exploration projects in the immediate area of the Sugar Creek property over the last several years and have made numerous field trips to the claims. The most recent visit was at the request of Mr. Poschner on October 23, 1987 when I collected some samples from the property and visited the recent work sites.

1.1 Location and Access

The Sugar Creek property is located 12½ km northwest of the village of Wells in central British Columbia (Figure 1). The claims are situated within National Topographic System area 93H/4 and are centered at approximately 53° 12'N latitude and 121° 43'W longitude.



CAMPBELL & ASSOCIATES
GEOLOGICAL CONSULTANTS



Scale 1: 500,000
0 10km

DEC., 1987 NTS 93

FIGURE 1

POSCHNER CONSTRUCTION LTD.

SUGAR CREEK PROPERTY
LOCATION MAP

Two roads can be used to reach the area. The better of these is the Beaver Pass route which branches northwest of Highway 26, the Quesnel - Barkerville highway, about 25 km west of Wells. It is about 40 km along this well maintained gravelled logging road to Sugar Creek. Four-wheel drive mining roads go up Cooper Creek, Sugar Creek and over Mustang Mtn. The second access route makes use of the abandoned mining road from Wells to Hardscrabble Creek and Sugar Creek. This route is about 15 km long but there are a few washouts along the way.

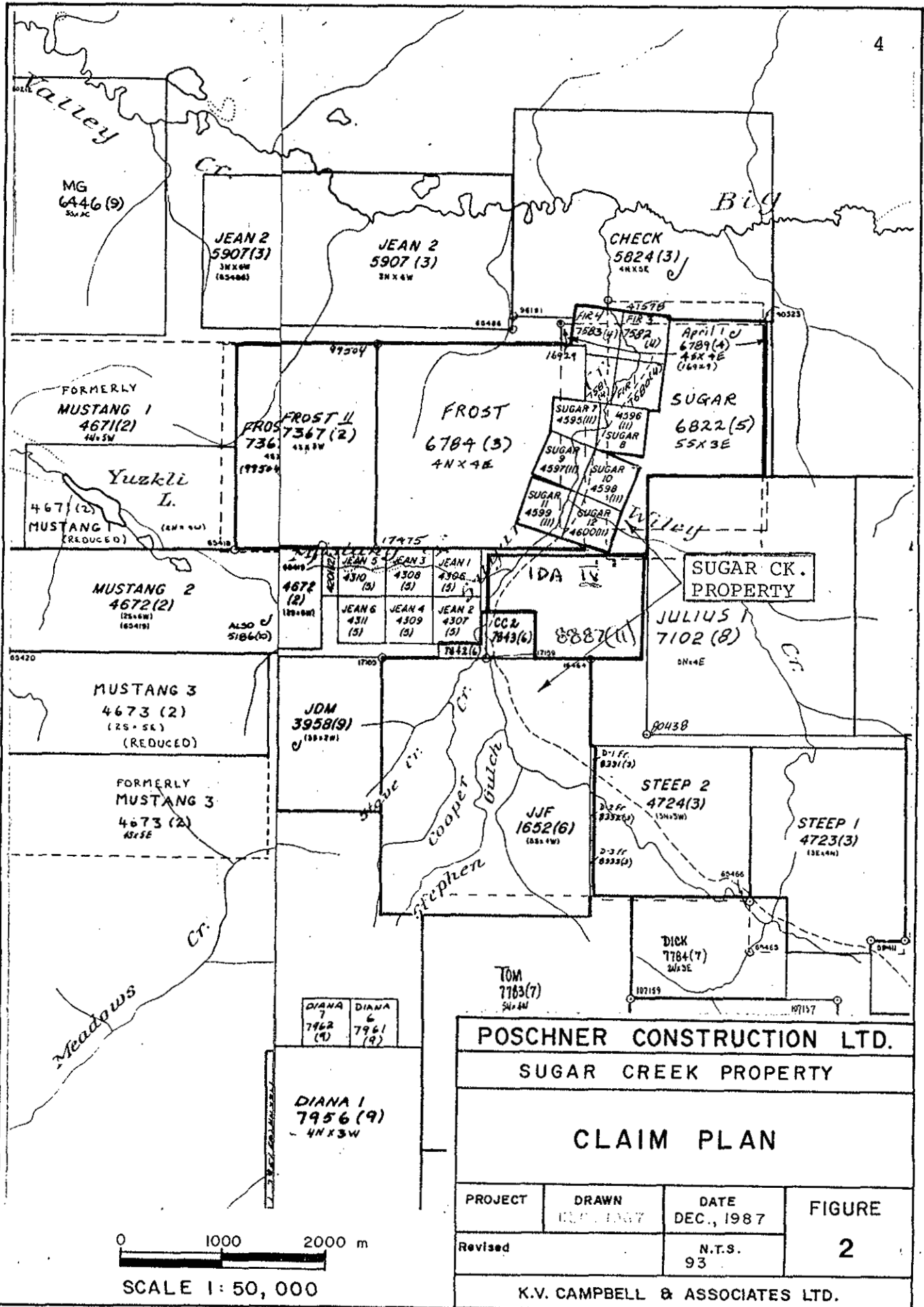
1.2 Ownership and Claim Status

Figure 2 is a recent claim plan of the area. Table 1 summarizes particulars of the claims. The Sugar Creek property includes 17 claims (81 units and two-post claims) and 3 fractions.

1.3 History

The Cariboo district is one of the oldest gold mining camps in British Columbia, the first prospectors arriving c.1858. The early miners worked placer deposits but by the 1880's gold-quartz veins were being mined.

The property lies in the central part of the Barkerville Gold Belt, a northwest alignment of gold-quartz veins, gold-bearing pyrite ore bodies and placer deposits. There is close association of placer deposits and hard-rock gold mineralization in the district and it is significant to the mineral potential that Sugar Creek has produced some placer gold.



0 1000 2000 m
 SCALE 1: 50, 000

POSCHNER CONSTRUCTION LTD.			
SUGAR CREEK PROPERTY			
CLAIM PLAN			
PROJECT	DRAWN	DATE	FIGURE
Revised	DEC. 1987	DEC., 1987	
		N.T.S. 93	2
K.V. CAMPBELL & ASSOCIATES LTD.			

Table 1. Claim Data

<u>Claim Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Expiry Date</u>	<u>Owner</u>
JJF	1652	20	June 4, 1988	M. McKelvie
D-1 Fr.	8331	Fr.	March 31, 1988	M. Poschner
D-2 Fr.	8332	Fr.	March 31, 1988	M. Poschner
D-3 Fr.	8333	Fr.	March 31, 1988	M. Poschner
CC 1	7842	1	June 30, 1988	M. McKelvie
CC 2	7843	1	June 30, 1988	M. McKelvie
Sugar	6822	15	May 24, 1988	M. Poschner
Frost	6784	16	March 22, 1988	M. Poschner
Frost II	7367	12	February 26, 1988	M. Poschner
Sugar 7	4595	1	November 22, 1988	M. Poschner
Sugar 8	4596	1	November 22, 1988	M. Poschner
Sugar 9	4597	1	November 22, 1988	M. Poschner
Sugar 10	4598	1	November 22, 1988	M. Poschner
Sugar 11	4599	1	November 22, 1988	M. Poschner
Sugar 12	4600	1	November 22, 1988	M. Poschner
Fir 1	7580	1	April 24, 1988	M. Poschner
Fir 2	7581	1	April 24, 1988	M. Poschner
Fir 3	7582	1	April 24, 1988	M. Poschner
Fir 4	7583	1	April 24, 1988	M. Poschner
Ida IV	8887	6	November 23, 1988	M. Poschner

Historical lode gold mines located along this belt 12 to 20 km southeast of the Sugar Creek property were the Williams Creek, Canusa, Island Mtn. and Cariboo Gold Quartz Mines. Gold was won from both gold-quartz veins and pyritic replacement bodies in limestone and the Cariboo Gold Quartz and Island Mtn. Mines produced 1.2 million ounces of gold between 1933 and 1967. The only active mine in the area today is the Mosquito Creek Mine, 11 km southeast of the property, which has had intermittent operation since 1980, producing some 19,300 ounces of gold from pyritic ore with a head grade of about 0.45 oz/ton (Annual Report 1986, The Mosquito Creek Gold Mining Co. Ltd).

1.3.2 Property

The area has been explored since c.1885. Most of the work was aimed at exposing the numerous quartz veins along Sugar and Cooper Creeks and their tributaries. The earliest reference to mineralization on the property is by Bowman (1888), who briefly described several quartz veins, their sulphide content and assays. Only traces of gold were reported.

Hanson (1935) referred to the North Star Group of claims on Cooper Creek which were explored in 1933 by the Premier Gold Mining Co. Ltd. Quartz veins were explored by open cuts, none greater than 10 ft deep. No commercial grade mineralization was found.

In the late 1940's Mr. W. Armstrong sank a shaft north of the mouth of Cooper Creek. It is reported the shaft was about 35' deep and reached replacement ore in limestone (J.T. McKelvie, personal communication, 1981).

Holland (1947) describes in some detail quartz veins in the area and their geological situation. Reference is also made to the finding of boulders of fine grained pyrite replacement of quartzite similar in appearance to that from the Island Mtn. Mine. These boulders were from an old placer shaft about 1 km north of the mouth of Cooper Creek.

Mssrs. Armstrong and McKelvie worked the area of what is now the JJF claims in the period 1958 to 1965. Most of the work was done at two quartz veins occurrences; (1) south of the confluence of Stave and Cooper Creeks and (2) on upper Cooper Creek.

In 1983 the JJF claim (then part of Sandi-Jo Group) was held by Clearbrook Mining Ltd. A report by Campbell (1983) described the history of the various mineral occurrences on the JJF claim. Clearbrook optioned the ground to Noranda Exploration Co. in 1983.

R. MacPherson placer mined in Sugar Creek in the period 1980-1985. Because he found coarse, angular gold nuggets attached to vein quartz he staked the Sugar mineral claims underlying his placer operation. In 1983 the Sugar claims were optioned by Canadian United Minerals who in turn optioned them to Noranda Exploration Co. Ltd. Noranda performed a reconnaissance geophysical survey and reported a strong anomaly centered on the steep eastern slope of the Sugar Creek valley above the placer workings (Knutsen, 1983).

In late 1983 Noranda performed magnetometer, IP and limited HLEM and PEM surveys in the area of the placer workings. The IP survey further delineated the anomaly along Sugar Creek (MacArthur and Bradish, 1984). In March, 1984, Noranda

diamond drilled four holes (total of 318 m) to test the conductivity anomaly (Lewis, 1984). It was thought that the anomaly could have been caused by massive pyrite, but no such sulphide mineralization was found. Lewis concluded that the IP anomaly was due to conductive graphitic phyllites and graphitic fault zones.

The area of the Ida IV claim, staked in November 1987, used to be the Sandi 4 claim, once held by Clearbrook Mining Ltd. That claim was optioned by Noranda in 1984, who conducted geological mapping and geochemical sampling in that year (Baerg, 1984). In 1986 Noranda carried out follow-up geochemical sampling over what is know the Ida IV, JJF, CC 1 and CC 2 claims, (MacArthur, 1986). A widely spaced grid (lines 530 m apart with 200 m station intervals) was soil sampled and the major creeks were silt sampled. While a few sites reported anomalous values in Pb, Zn and Au, Noranda did not contiunue their option.

The work done by Mr. Poschner since that time includes access road construction and refurbishing, trenching on Mustang Mtn. and on the upper vein on Cooper Creek, and limited diamond drilling (AW size, 1 3/8"OD). Two holes were sited along Sugar Creek near quartz veins on the eastern boundary of the JJF claim. Four holes were sited in the vicinity of the 'upper vein' on Cooper Creek. A number of selected samples were analyzed.

2 GEOMORPHOLOGY

2.1 Regional

The property lies within the Quesnel Highland physiographic region, characterized by upland areas which are remnants of a highly dissected plateau of moderate relief at an elevation of 5,500 to 6,300 ft (1,675 to 1,920 m). The plateau was formed in Tertiary times prior to the formation of Pleistocene ice which covered most of the high areas during the Continental Ice Sheet Stage of glaciation. Most summits in the region are rounded. Incipient and weakly developed cirques formed on the northern slopes of most of the higher hills during interglacial and/or late stages of glaciation. Valley glaciers truncated spurs and deposited materials over most of the area. In many places glacial drift or till mantles the sides of the valleys up to more than 1,000 ft (300 m) above the valley floor. The till is mostly local, although foreign boulders do occur.

The regional drainage pattern indicates pronounced structural control by bedrock fractures. There are two main alignments; trending northwest, for example Yuzkli Creek and upper Sugar Creek, and northeast, for example lower Sugar Creek.

2.2 Local

Relief is about 395 m (1,300 ft) from the rounded hills in the west and south part of the JJP claim (1,615 m, 5,300 ft) to Sugar Creek (1,220 m, 4,000 ft).

The northfacing slopes of Mt. Tom, south of Stephens Gulch, represent a Pleistocene cirque. The streams that drain this

region lie in deeply cut gullies formed by meltwaters from a wasting glacier that occupied the cirque and from a wasting ice cap that lay on the upland surface. This latter surface was part of the pre-glacial Tertiary plateau. Individual streams lie in deep (30 to 60 m) V-shaped gullies which in many places have flat bottoms several times as wide as their creek. In several places the gullies are floored in bedrock. The glacial and glaciofluvial deposits through which the streams have cut are boulder till and fairly well stratified, in places partly cemented, alluvial gravels. There are numerous active slumps of colluvium and moraine into the drainageways.

The static ice sheet that lay on the upland surface, represented by Mustang Mtn. and the gentle rolling hills forming the northwest trending ridge southwest of the JJF claim, did not transport materials any great distance. The till it deposited on the slopes above the valley glacier complex that occupied the Mustang, Sugar and Cooper Creek valleys is mostly a lodgement till. This consists of gravelly boulder clay with angular gravels and boulders of local origin. There are occasional sand and gravel layers within this till.

Except for Mustang Mtn. the property has several water courses that could be used for development purposes. The ground is thickly timbered with spruce and balsam and there are numerous thickets of slide alder, willow and Devil's Club.

3 GEOLOGY

3.1 Regional

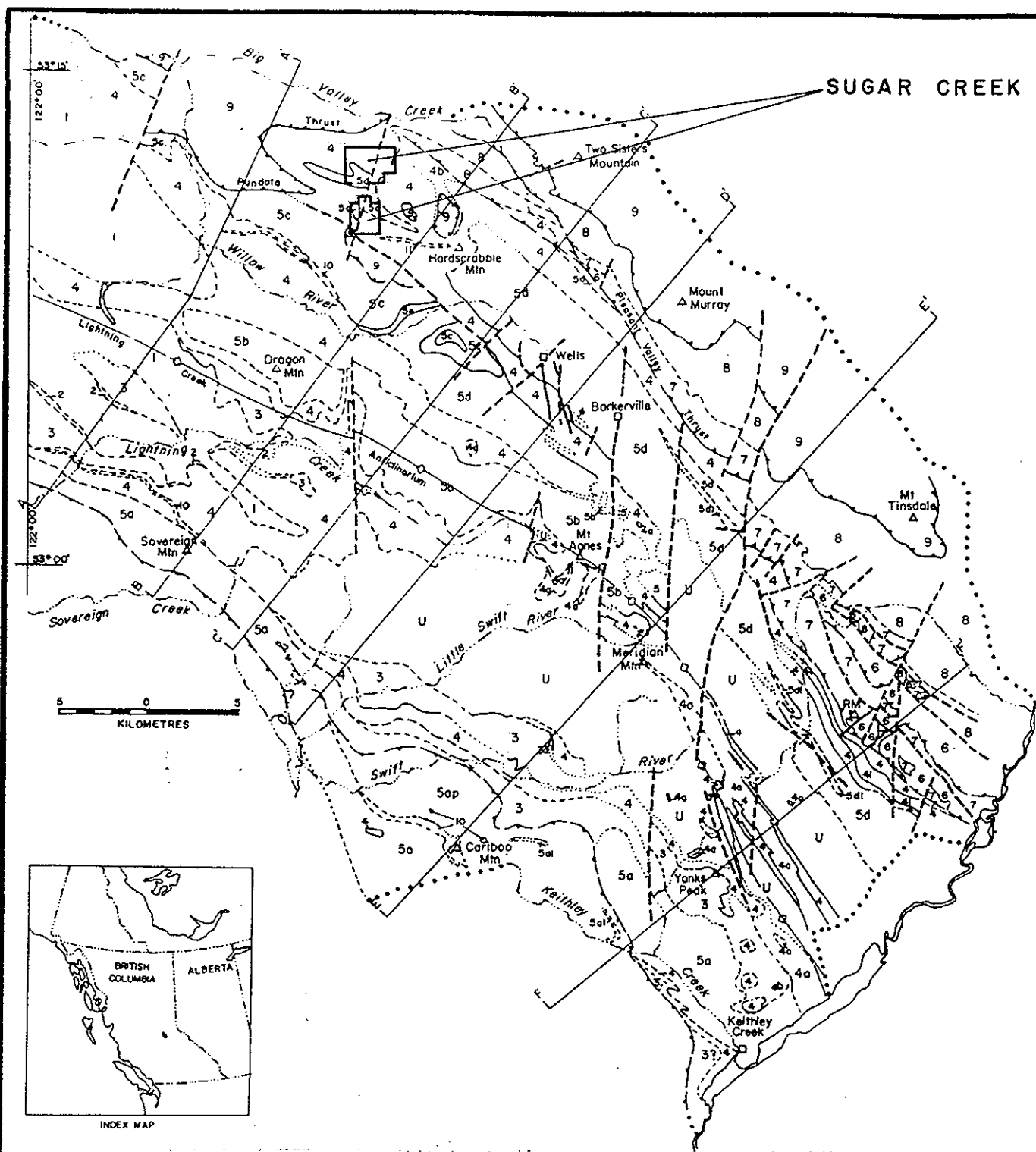
Figure 3 illustrates a recent interpretation of the regional geology (Struik, 1982) with a tentative stratigraphy outlined in the legend. The area lies along the western part of the Omineca Tectonic Belt, known for its prevalence of gold mineral occurrences. Three regional tectonostratigraphic sequences are shown in Figure 3. These are:

(1) a Hadrynian and Cambrian continental terrace wedge of grit, slate, orthoquartzite, carbonate and shale built up along the western margin of the North American Precambrian craton. This assemblage is further divided into two suites; the Western Cariboo Group (Units 1 to 5) and the Eastern Cariboo Group (Units 6 and 7) separated by the Pleasant Valley Thrust fault.

(2) a largely Paleozoic basinal sequence of shale, dolostone, basalt, conglomerate and limestone (Unit 8) unconformably overlying the older continental rocks.

(3) Permo-Pennsylvanian oceanic chert and mafic and ultramafic volcanic and intrusive rocks (Unit 9). This sequence, the Antler Formation, was thrust from the west over the basinal sequence in post-Permian time.

Most of the area has been regionally metamorphosed to the greenschist facies. The age of metamorphism is Mesozoic (Early Jurassic - Late Cretaceous) and it accompanied the regional folding and cleavage formation. Late-stage muscovite and chlorite development, commonly observed, were the result



SUGAR CREEK PROPERTY

LEGEND

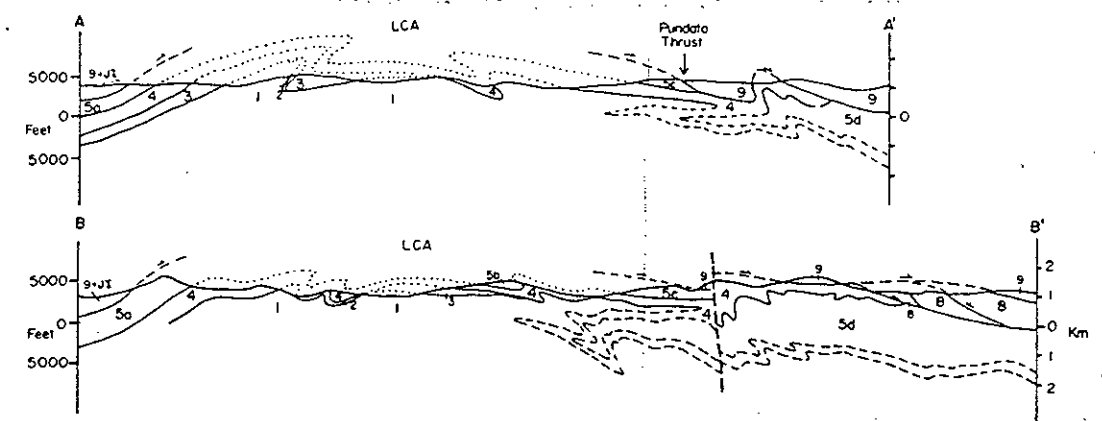
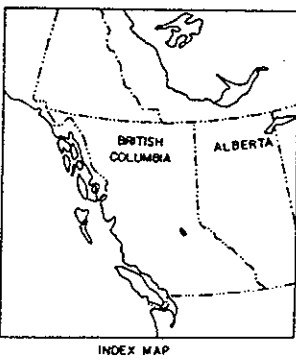
- LOWER PERMIAN
 - 11 bioclastic limestone
- PERMIAN
 - 10 diorite, amphibolite, may include parts of 5e
- PENNSLVANIAN AND PERMIAN
 - 9 Antler Formation; diorite, basalt, chert, greywacke, serpentinite, gabbro
- CARBONIFEROUS? AND PERMIAN?
 - 5 a, Ramos Creek Succession; micaceous quartzite, pelite, limestone, metatuff? a1, limestone, calcareous sandstone ap, phyllite, quartzite, amphibolite b, Dragon Mountain Succession; micaceous quartzite, phyllite c, Tam Creek Succession; micaceous quartzite, phyllite d, Downey Creek Succession; micaceous quartzite, slate, limestone, metatuff? d1, marble, limestone, diorite, metavolcanic e; amphibolite
- DEVONIAN? AND MISSISSIPPIAN?
 - 4 black siltite, phyllite, micaceous quartzite, limestone a; conglomerate, quartzite b; breccia, muddy conglomerate l; limestone, may be equivalent to 5d1
- HADRYNIAN?
 - 3 siltite, quartzite, phyllite a; quartzite
 - 2 marble, calcareous sandstone, quartzite, calcareous phyllite, phyllite
 - 1 micaceous quartzite, phyllite, schist
 - U undifferentiated 1-5, mainly 4 & 5

- ORDOVICIAN TO PERMIAN
 - 8 Black Stuart and Guyet Formations; slate, conglomerate, quartzite, greywacke, limestone, dolostone, chert, basalt, metatuff
- HADRYNIAN AND CAMBRIAN
 - Eastern Cariboo Group
 - Hadrynian and Cambrian
 - 7 Yanks Peak, Midas and Mural Formations; quartzite, phyllite, limestone
 - Hadrynian
 - 6 Isaac, Cunningham and Yankee Peak Formations; phyllite, limestone, dolostone, quartzite

- Geological contact (defined, approx., assumed)
- Fault (defined, approx. and assumed)
- Thrust (defined, approx. and assumed)
- RM
- Roundtop Mountain

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,755



POSCHNER CONSTRUCTION LTD.		
SUGAR CREEK PROPERTY Cariboo Mining Division, B.C.		
REGIONAL GEOLOGY (after Struik 1982)		
Scales: as shown	DEC., 1987	NTS 93 A, H
CAMPBELL & ASSOCIATES GEOLOGICAL CONSULTANTS		FIG. 3

of a second pulse of metamorphism (Struik, 1981b).

The major folds are relatively open. The predominant fold structure in the area is the Lightning Creek anticlinorium northeast of Lightning Creek. A broad synclinorium lies along the east part of the area shown in Figure 3. The intensity of deformation increases with depth and metamorphic grade throughout the region. Complex refolding of minor folds is common in the relatively incompetent rocks, for example, in the siltites of Unit 4.

Several phases of faulting have affected the area. These are, listed from youngest to oldest, as follows (Struik, 1981b, 1982):

- (1) northerly and north-northeasterly right-lateral strike slip faults,
- (2) transverse northeast trending normal faults,
- (3) east dipping high angle reverse and normal faults, and
- (4) east dipping thrust faults.

Quartz veins are common and widely distributed in the area. In general, the sulphide content is low, but in certain areas they contain a fairly consistent quantity of pyrite with attendant gold (Sutherland Brown, 1957). Previous workers have all noted the pattern of occurrence of quartz veins.

Four types of veins are recognized:

- (1) transverse veins; northeast strike, smallest and most numerous type. At the Cariboo Gold Quartz Mine these provided 60-70% of the quartz ore.
- (2) diagonal veins; east-northeast strike, larger and fewer than transverse veins. At the Island Mtn. Mine only diagonal veins were mineable.
- (3) northerly veins; north-northeasterly strike, occur within faults, commonly crushed and difficult to mine, and
- (4) strike veins; northwest strike, subparallel to foliation, largest and fewest type, normally barren.

Earlier workers termed the strike veins 'A veins' and the transverse and diagonal veins 'B veins'.

The principal axis of the Barkerville Gold Belt, passing through Island Mtn. and Barkerville, is located at or near the contact between Devonian-Mississippian black phyllites (Unit 4) and micaceous quartzites containing limestone and dolomite (Unit 5). The gold occurrences consist of auriferous pyrite in quartz veins in the black metaclastic rocks or stratabound, massive auriferous pyrite lenses, termed 'replacement ore', within and at the contacts of limestone beds in micaceous quartzite (Alldrick, 1983).

3.2 Property

3.2.1 Lithology

Figure 4 illustrates the geology of the local areas as mapped by Struik (1982). Two rock units underlie most of the claims area: unit DMS - predominantly black phyllite (equivalent to unit 4 in Figure 3) and unit MPd - olive and gray micaceous quartzite, phyllite and schist, with minor limestone (equivalent to unit 5 in Figure 3). Two other units underlie a small portion of the claims; unit MPa - amphibolite and unit Pc - gray crinoidal limestone with minor gray chert.

Rocks along Cooper Creek are predominantly unit DMS; black to greenish gray phyllites, black slaty argillites and dark silvery gray mica schists. Unit MPd crops out along Sugar Creek where it is represented by brown phyllites, micaceous quartzites and thin bedded, white to dark gray limestone. On Mustang Mtn. unit MPd includes thinly laminated, pale greenish gray and dark gray phyllitic quartzites that are well stained with green copper carbonate.

3.2.2 Structure

For the most part the rock units dip to the northeast. Struik has mapped two folds trending northwesterly across the claims and overturned to the southwest. The general structure of the area is shown in the geological section A-A' of Figure 3.

Major fractures trend north-northeasterly and northwest. The lower course of Sugar Creek and the small creeks in the southwest part of the JJF claim are thought to represent a

major fracture zone. Basic and ultrabasic rocks of the Antler Formation have been thrust over units DMS and MPd but there is no record of them cropping out on the Sugar property.

3.2.3 Mineralization

Three types of mineralization have been found: sulphides in quartz veins, copper-stained phyllitic quartzites, and massive sulphide breccia.

(1) Quartz veins : Several quartz veins occur on the claims and there is an abundance of vein quartz float along the creeks. The most common orientations of veins are:

(1) parallel to the surrounding phyllites and argillites with a dip parallel to, or transecting their host,

(2) striking N20-60°E with a moderate to steep dip northwest, and

In many places the veins have been sheared, indicating post-emplacement deformation. The width of the veins ranges from less than 1 cm to more than 25 m, and commonly is 20 to 30 cm. Pinch and swell is a common feature. The quartz is massive and white to fractured and orange-brown with limonite filled vugs. Visible pyrite and galena have been found in veins of all orientations.

The 'upper vein' on Cooper Creek was trenched in 1987. Four diamond drill holes were also sited to drill through the quartz vein but these were unsuccessful. Grab samples, collected by Mr. Poschner, of sphalerite and galena-rich

material from the vein carried 4.904 and 0.358 oz Au/ton (Appendix I). Other selected samples rich in galena and sphalerite also assayed high gold values as follows:

Sample 'MP 87 upper vein' : 29.8 oz Ag/ton, 0.254 oz Au/ton, >1% Pb, >1% Zn.

Sample 'Stringer vein' : 27.41 oz ag/ton, 12.25 oz Au/ton.

Campbell (1983) also reported a few high grade assays from selected quartz vein samples, rich in sphalerite and galena (Campbell, 1983) but for the most part the gold and silver values are low. The highest gold assay in quartz lacking visible sulphides is 0.264 oz Au/ton from a vein near the confluence of Stave and Cooper Creek (Campbell, 1983).

(2) Copper mineralization : Near the top of Mustang Mtn. recent road work has exposed copper-stained phyllitic quartzites. A sample assayed by Poschner returned with 0.11% Cu and one collected by the author assayed 828 ppm Cu (0.083%).

Mr. Poschner's discovery of the copper mineralization is the first such reported occurrence in the Sugar Creek area. The significance of this find is that there may be veins containing copper (and possibly gold) in the area. Copper and gold vein mineralization is currently being explored in the Cariboo Mtns. to the east by Noranda and this type of deposit should not be ignored.

The possibility of the source of copper being stratabound mineralization should also be tested.

(3) Massive sulphide breccia : Two large (about 1 m diameter) sub-angular boulders of coarse crystalline sphalerite and

galena set in a breccia of fine gray quartzite and white vein quartz have been found along Sugar Creek. They are considered to have come from the Sugar Creek drainage basin. The sulphides make up 25 to 30% of the rock and one sample collected by the author returned with 272 ppm Cu, 2.05% Pb, 5.02% Zn, 224.2 ppm Ag (6.5 oz Ag/ton) and 250 ppb Au. The occurrence of this type of mineralization on the property is very significant as it indicates the presence of either structure controlled or stratabound massive sulphide mineralization. The author considers that such a target type is more promising than gold-bearing quartz veins.

Located on Figure 4 are the known mineral occurrences from the B.C. Minfile. These are listed in Table 2. All are quartz veins.

Table 2. Known mineral occurrences near Sugar Creek property

<u>Reference No. (Fig.4)</u>	<u>Prospect Name or Location</u>	<u>Publication</u>	<u>Description</u>
1	Cosalite	BCDM Ann. Rept. 1934	quartz veins in sheared sediments, A and B types with pyrite, galena; trace Au
2	Moonlight, Comstock, Big Twelve	BCDM Ann. Rept. 1934 Hanson, 1935	quartz veins in shistose sediments, A and B types with pyrite, galena, sphalerite; trace Au, 10.2 oz/ton Ag, 25.1% Pb
3	South Yuzkli	Hanson, 1938a	located on map only, noted as quartz vein
4	K.V.	BCDM Ann. Rept. 1934	quartz vein, A type with pyrite; trace Au
5	confluence of Cooper and Stave Creeks	BCDM Ann. Rept. 1947	quartz vein in black phyllite, B type with pyrite; 0.09 oz Au/ton, 0.90 oz Ag/ton
6	upper Cooper Creek ("upper vein")	BCDM Ann. Rept. 1947	quartz vein in quartzite, B type with pods of pyrite and galena; 0.10 oz Au/ton, 47 oz Ag/ton, 56.7% Pb
7	lower Cooper	BCDM Ann. Rept. 1947	quartz veins to 2½ ft wide crossing foliation, grab sample of galena assayed 21.9 oz Ag/ton in 53.1% Pb

4 SUMMARY OF RESULTS FROM 1987 WORK

Figure 5 is a sample location map, compiled from data provided by Mr. Poschner. Descriptions of the samples are not available. Analyses certificates are given in Appendix I.

Locations of the five samples (JJF 1 to 5) collected by the author in October, 1987 are also shown. These were:

- JJF-1 - coarse, sphalerite-quartz-quartzite breccia
- JJF-2,3,4 - black, lustrous phyllites
- JJF-5 - copper stained, gray micaceous quartzite

The analyses certificates are listed in Appendix I and significant analytical results are given in Section 3.2.3.

Two diamond drill holes were sited near Sugar Creek, close to the east boundary of the JJF claim boundary. The results (Appendix I) provided by Mr. Poschner, are summarized below:

DDH-1 Bearing 040°, plunge 040°, length 101 ft (30.78 m).

This hole encountered interbedded phyllite, graywacke and quartzite cut by galena and pyrite-bearing quartz veins. No significant gold values are reported, but two intervals carried silver in association with the sulphides, namely;

0 - 10'; quartz veined section, assayed 4.08% Pb,
2.76% Zn and 0.74 oz Ag/ton.

20 - 30'; sulphide bearing phyllite, assayed 2.31% Pb,
1.54% Zn and 0.63 oz Ag/ton.

DDH-2 Bearing 050°, plunge 035°, length 55' (16.76 m).

This hole intersected interbedded phyllite, quartzite and chloritic phyllite with pyrite and galena-bearing quartz veins. No significant gold analyses are reported, but interval 28 - 29', of sulphide-rich phyllite, assayed 12.2% Pb, 4.58% Zn and 3.15 oz Ag/ton.

The results of sampling the sulphide-rich pods in the upper quartz vein have been given in Section 3.2.3. High grade assays are reported, but the results are inconsistent.

Galena-rich vein quartz found along the unnamed tributary northeast of the upper vein carry significant silver. This locality is believed to be the same silver-rich occurrence reported by Holland (1947). Samples collected in 1987 by Mr. Poschner included:

Sample 'MP 87 No Name' : 82.2 oz Ag/ton, 0.05 oz Au/ton,
17.2% Pb

Sample 'Steven 1' : 0.02 oz Au/ton, 17.42 oz Ag/ton

Several samples were collected by Mr. Poschner west of Mustang Mtn. near the old Moonlight occurrence. These samples are prefixed 'Addit'. Only one returned with appreciable gold or silver. This was sample 'Addit 2' assaying 2.71 oz Ag/ton.

5 CONCLUSIONS

Almost all of the mineral exploration on the Sugar property has focused on quartz veins. However, their size, continuity and grade do not make them very suitable exploration targets at the present time.

The geology of the area is such that there is a strong potential for two other types of deposits to occur; auriferous pyrite replacement of limestone and massive sulphides in quartzite and quartz breccia. Exploration work done to date has not been designed to locate such deposits. Replacement mineralization should be sought in association with limestone near the base of the micaceous quartzite unit, MPd. The massive sulphide - quartz breccia, which occurs as float on the claims, is probably hosted by the same unit in the southeast corner of the JJF claim.

There is also the possibility of copper mineralization to occur in the vicinity of Mustang Mtn., where copper-stained phyllitic quartzites occur. The source of the copper could be either copper sulphides in quartz veins (possibly with gold) or in stratabound copper mineralization.

6 PROPOSAL FOR FURTHER EXPLORATION

6.1 Recommendations

The property is in need of thorough geological mapping, documenting work sites, sample localities, location of quartz veins, carbonates, structures and significantly mineralized boulders. I recommend a preliminary mapping scale of 1:5,000, drawn from the most recent aerial photography.

Based on the situation of the property at the northwest end of the Barkerville Gold Belt, its history of placer gold mining, the presence of sphalerite-quartz breccia, and the similarity of geological conditions to those at the past and producing mines to the southeast, I have no hesitation in recommending a two stage exploration program. Stage I would include geological mapping and a detailed soil geochemical survey. The sampling grid should have lines spaced at 100 m with sample stations at 50 m. Follow-up sampling with 50 m spaced lines and 25 m stations is anticipated. Stage II would include geophysical surveys and trenching. I recommend that a VLF-EM16R survey be done in the southeast corner of the JJF claim. This type of survey has worked successfully elsewhere along the belt in locating lithological contacts and fracture zones. I also recommend performing an IP (induced polarization) survey over promising areas targeted by the geochemical and conductivity surveys. The most favorable geochemical and geophysical anomalies could then be trenched.

I recommend that the C soil horizon be sampled, and a 5 element ICP analysis (Pb, Zn, Cd, Bi and Ag) plus gold by geochemical methods be performed.

6.2 Estimated Costs

Stage I: Geological Mapping, Geochemical Surveys

Preparation of topographic map (1:5000)	\$	7,000
Geological mapping	\$	6,000
Grid establishment; 162 line km	\$	6,000
Geochemical sampling	\$	20,000
Analyses; 3250 samples @ \$12	\$	39,000
Follow-up sampling and analyses	\$	17,000
Supervision, data compilation	\$	10,000
Camp costs, food	\$	8,000
Transportation, vehicle rentals, fuels	\$	4,000

Total Stage I

	\$	117,000
--	----	---------

Stage II: Geophysical Surveys, Trenching

VLF-EM16R survey; 100 line km	\$	14,000
IP survey; 100 line km	\$	150,000
Trenching	\$	20,000
Camp costs, food	\$	8,000
Transportation, vehicle rental, fuels	\$	4,000
Supervision, data compilation	\$	10,000

Total Stage II

	\$	206,000
--	----	---------

Total Estimated Cost ..

	\$	323,000
--	----	---------

Contingency (10%)

	\$	32,000
--	----	--------

Allow

	\$	355,000
--	----	---------

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8 ITEMIZED COST STATEMENTField Programme

June 1 - September 31, 1987

Field programme costs provided by M. Poschner

PROJECT MANAGEMENT

Mike Poschner, Supervisor
 3 months @ \$2,500/month \$ 7,500.00

LABOUR

B. Hopkins, labourer \$ 160.00
 D. Hopkins, equipment operator ... \$ 6,315.96
 G. Laviolette, labourer \$ 2,812.38
 R. Schmidt, prospector \$ 6,055.00
 K. Whatchell, equipment operator . \$ 6,661.85
 I. Williams, labourer \$ 650.00
 S. Zalkai, geologist \$ 5,481.61

TOTAL \$ 28,136.80

Employee Costs, plus 20% \$ 5,627.36

\$ 33,764.16

DRILLING COSTS

120 meters @ \$120/m \$ 7,200.00

ANALYSES

Chemex Labs. Ltd. \$ 1,214.27
 Nesmont Precious Metals \$ 225.00

\$ 1,439.27

BULLDOZING AND HEAVY EQUIPMENT COSTS

Trenching;
 300 m overburden @ \$10/m \$ 3,000.00
 100 m rock @ \$50/m \$ 5,000.00
 3 test pits @ \$600/pit \$ 1,800.00
 Bulk sampling and crushing \$ 4,000.00

\$ 13,800.00

CAMP COSTS \$ 11,850.00

VEHICLE RENTAL

3 vehicles, 2 months \$ 5,760.00

TOTAL FIELD COSTS \$ 81,313.43

Compilation of Data & Final Report

October, 1987 - February, 1988

K.V. Campbell

36 3/4 hours @ \$50/hour	\$	1,837.50
Photocopying & Reproduction	\$	76.05
Drafting	\$	320.75
Analyses	\$	71.25
Materials	\$	<u>50.00</u>

TOTAL \$ 2,355.55

TOTAL PROGRAMME COST \$ 83,668.98

9 CERTIFICATE

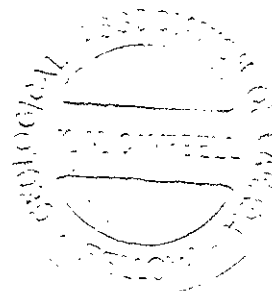
I, KENNETH VINCENT CAMPBELL, resident of Wells, Province of British Columbia, hereby certify as follows:

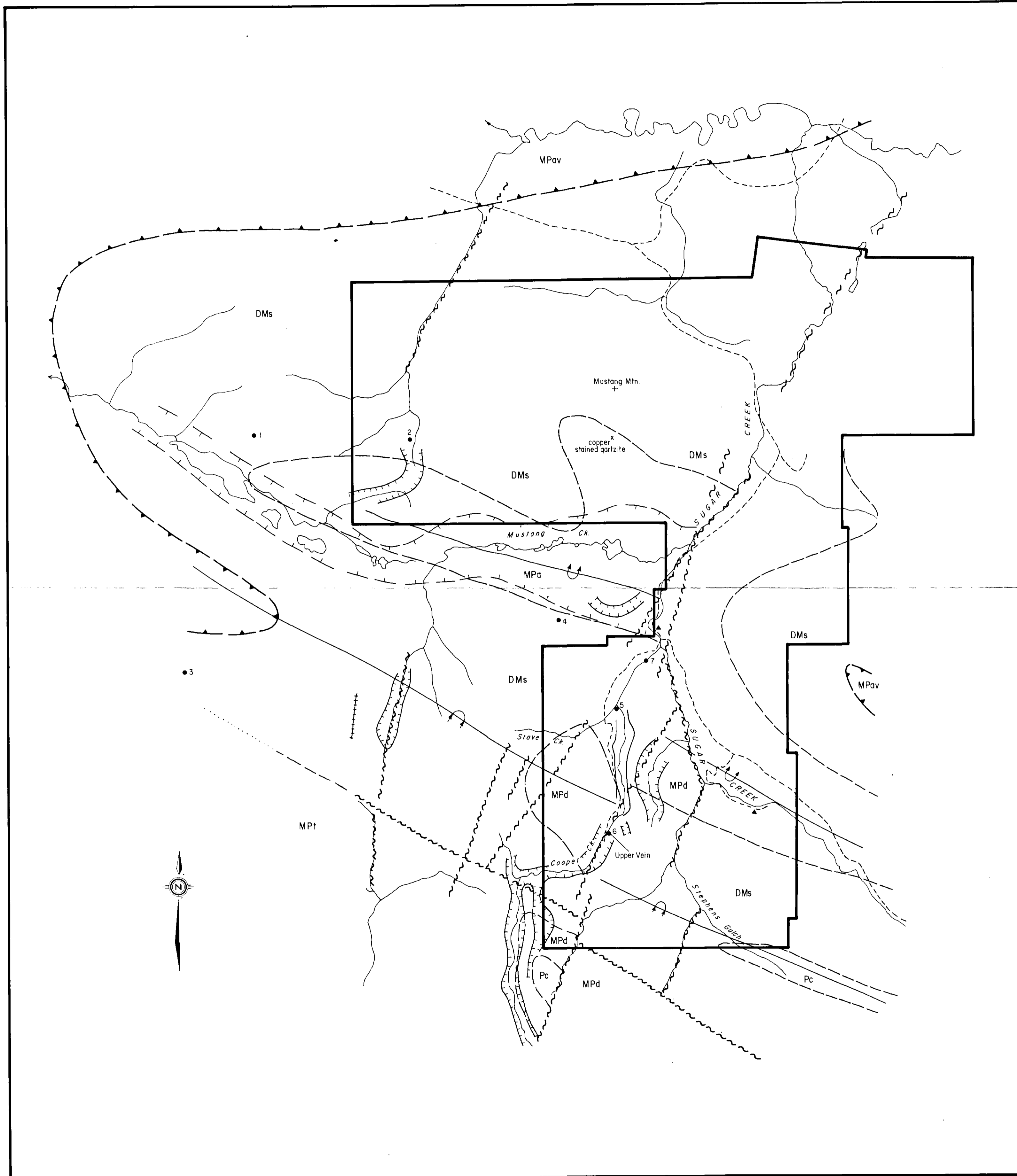
1. I am a Consulting Geologist with an office at the corner of Blair and Dawson Avenues, Wells, B.C.
2. I graduated with a degree of Bachelor of Science, Honours Geology, from the University of British Columbia in 1966, a degree of Master of Science, Geology, from the University of Washington in 1969, and a degree of Doctor of Philosophy, Geology, from the University of Washington in 1971.
3. I have practiced my profession for 21 years. I am a Fellow of the Geological Association of Canada (F0078).
4. I have no direct, indirect, or contingent interest in the shares or business in the property of POSCHNER CONSTRUCTION, LTD. nor do I intend to have any interest.
5. This report, dated December 30, 1987 is based on my familiarity of the Sugar Creek area, examination of available reports and data provided by Mr. M. Poschner, a site visit made to the property on October 23, 1987 and subsequent report preparation.

DATED at Wells, Province of British Columbia
this 30th day of December, 1987.

K.V. Campbell

K.V. Campbell, Ph.D.
Geologist





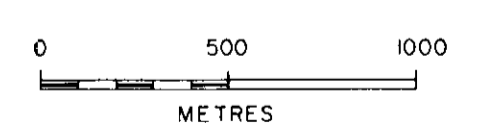
LEGEND

ROCK UNITS
(after Struik, 1982)

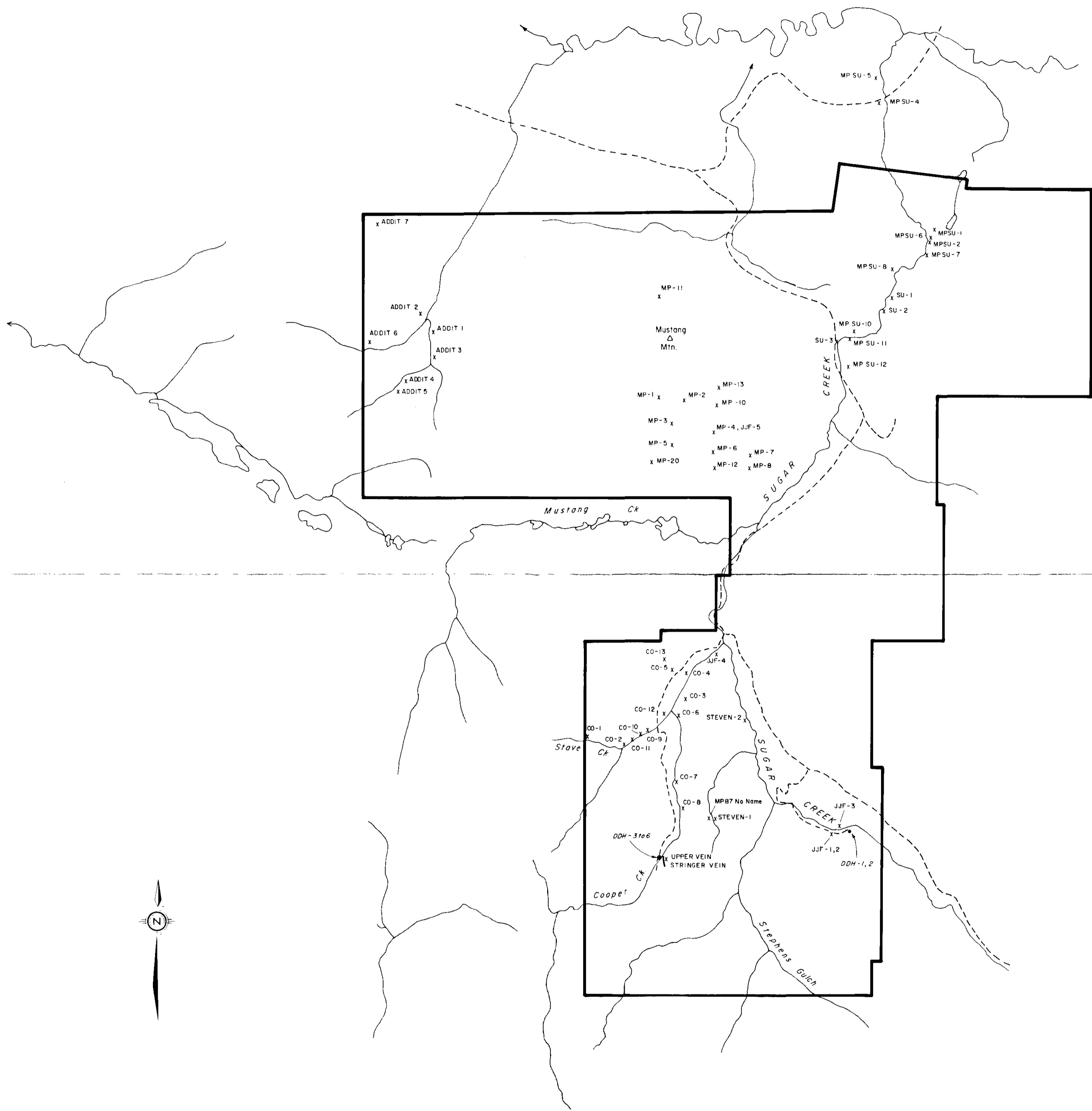
- PERMIAN**
Pc gray crinoidal limestone
- MISSISSIPPIAN TO PERMIAN**
MPav Antler Formation, diabase, basalt
- MPt Tom Creek Succession, micaceous quartzite, phyllite, schist
- MPd Downey Creek Succession: micaceous quartzite, phyllite, slate, limestone
- DEVONIAN (?) and MISSISSIPPIAN (?)**
Dms black siltite, phyllite, grey micaceous quartzite, limestone
- geological contact; approximate, inferred
 ~~~~~ fracture  
 -▲-▲- thrust fault  
 ↻ ↻ ↻ overturned anticline, syncline
- GLACIAL FEATURES**
- major glacial valley  
 ~~~~~ meltwater channel  
 +++++ narrow, deep meltwater gully
 - - - - - road
- 6 mineral occurrence (Table 2)
 ▲ float, brecciated quartzite with coarse galena, sphalerite

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,755



| | | |
|---|--------------------|-----------------|
| POSCHNER CONSTRUCTION LTD. | | |
| SUGAR CREEK PROPERTY
CARIBOO MINING DIVISION, B.C. | | |
| GEOLOGY | | ① |
| SCALE
1 : 20,000 | DATE
DEC., 1987 | NTS
93 H / 4 |
| CAMPBELL & ASSOCIATES
GEOLOGICAL CONSULTANTS | | FIGURE
4 |

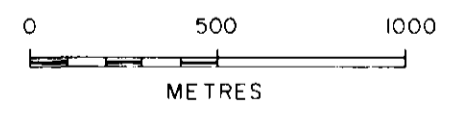


LEGEND

- x SAMPLE LOCATIONS FOR WHICH ANALYSES AVAILABLE
- DRILL SITE

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,755



POSCHNER CONSTRUCTION LTD.

SUGAR CREEK PROPERTY
CARIBOO MINING DIVISION, B.C.

SAMPLE LOCATIONS ②

| | | |
|---------------------|--------------------|--------------|
| SCALE
1 : 20,000 | DATE
DEC., 1987 | NTS
93H/4 |
|---------------------|--------------------|--------------|

CAMPBELL & ASSOCIATES
GEOLOGICAL CONSULTANTS



FIGURE
5

APPENDIX I

Analyses Certificates

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Rock Chips AUX ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 2 1987 DATE REPORT MAILED: *Nov 20/87* ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

CAMPBELL & ASSOCIATES File # 87-5407

| SAMPLE# | MO | CU | PB | ZN | AG | NI | CO | MN | FE | AS | U | AU | TH | SR | CD | SB | BI | V | CA | P | LA | CR | MG | BA | TI | B | AL | NA | K | W | AUX |
|---------|-----|-----|-------|-------|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|
| | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | % | % | PPM | PPM | % | PPM | % | PPM | % | % | PPM | PPM | |
| JJF-1 | 24 | 272 | 20475 | 50197 | 224.2 | 18 | 48 | 24 | 5.15 | 25 | 5 | ND | 1 | 3 | 564 | 3 | 493 | 1 | .06 | .027 | 2 | 1 | .01 | 7 | .01 | 2 | .04 | .01 | .01 | 1 | 250 |
| JJF-2 | 22 | 43 | 561 | 270 | 2.3 | 50 | 6 | 262 | 2.73 | 10 | 5 | ND | 5 | 6 | 1 | 2 | 2 | 9 | .05 | .037 | 20 | 4 | .02 | 68 | .01 | 2 | .20 | .01 | .07 | 1 | 1 |
| JJF-3 | 59 | 10 | 342 | 360 | 1.5 | 24 | 2 | 113 | 2.25 | 12 | 5 | ND | 7 | 4 | 2 | 2 | 3 | 6 | .03 | .046 | 19 | 4 | .01 | 58 | .01 | 3 | .19 | .01 | .10 | 1 | 1 |
| JJF-4 | 21 | 24 | 21 | 224 | .4 | 26 | 2 | 85 | 3.75 | 2 | 5 | ND | 8 | 10 | 1 | 2 | 2 | 51 | .08 | .061 | 19 | 13 | .39 | 50 | .01 | 2 | .93 | .02 | .06 | 1 | 1 |
| JJF-5 | 9 | 828 | 23 | 53 | .1 | 18 | 8 | 675 | .79 | 2 | 5 | ND | 1 | 60 | 1 | 2 | 2 | 15 | .03 | .013 | 5 | 7 | .29 | 2136 | .01 | 2 | .40 | .01 | .01 | 1 | 1 |

✓ ASSAY REQUIRED FOR CORRECT RESULT -



Chemex Labs Ltd.

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

To: POSCHNER CONSTRUCTION LTD.

10607 - 132 A ST.
 SURREY, BC
 V3T 3X8

Project :
 Comments: CC: MICHAEL POSCHNER

**Page No. : 1-B
 Tot. Pages: 1
 Date : 23-SEP-87
 Invoice # : I-8722081
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8722081

| SAMPLE DESCRIPTION | PREP CODE | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Se ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|--------------------|-----------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| MP87 COOPER 6 | 207 238 | 105 | < 1 | < 0.01 | 26 | < 10 | >10000 | 25 | 50 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 5 | 56 |
| MP87 DH3 101-12 | 207 238 | 539 | < 1 | 0.02 | 22 | 310 | 320 | 5 | < 10 | 120 | < 0.01 | < 10 | < 10 | 4 | < 5 | 70 |
| MP87 DH3 120-13 | 207 238 | 548 | 2 | 0.01 | 41 | 310 | 116 | < 5 | < 10 | 83 | < 0.01 | < 10 | < 10 | 7 | < 5 | 110 |
| MP87 UPPER VEIN | 207 238 | 169 | 3 | < 0.01 | 10 | 310 | >10000 | 720 | 540 | 16 | < 0.01 | < 10 | < 10 | < 1 | 115 | >10000 |



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To: POSCHNER CONSTRUCTION LTD.

10607 - 132 A ST.
 SURREY, BC
 V3T 3X8

Project :
 Comments: CC: MICHAEL POSCHNER ✓

**Page No. : 1-A
 Tot. Pages: 1
 Date : 23-SEP-87
 Invoice # : I-8722081
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8722081

| SAMPLE DESCRIPTION | PREP CODE | Ag FA oz/T | Au FA oz/T | Al % | Ag ppm | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Pb % | Ga ppm | Hg ppm | K % | La ppm | Mg % |
|--------------------|-----------|------------|------------|------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|
| MP87 COOPER 6 | 207 238 | 2.69 | < 0.003 | 0.04 | 92.0 | 20 | 20 | < 0.5 | 104 | 0.01 | 6.5 | 77 | 18 | 121 | 5.88 | < 10 | < 1 | 0.01 | < 10 | 0.01 |
| MP87 DH3 101-12 | 207 238 | 0.08 | < 0.003 | 1.54 | 0.8 | < 5 | 120 | < 0.5 | 2 | 3.17 | 0.5 | 14 | 18 | 20 | 3.15 | < 10 | < 1 | 0.17 | < 10 | 0.84 |
| MP87 DH3 120-13 | 207 238 | 0.20 | < 0.003 | 2.13 | 0.4 | < 5 | 60 | < 0.5 | 4 | 1.83 | 0.5 | 18 | 45 | 23 | 4.22 | < 10 | < 1 | 0.16 | 20 | 1.02 |
| MP87 UPPER VEIN | 207 238 | 29.80 | 0.254 | 0.04 | >200 | < 5 | 30 | < 0.5 | 100 | 0.04 | >99.9 | 8 | 15 | 562 | 2.00 | < 10 | < 1 | < 0.01 | < 10 | 0.01 |



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 PHONE (604) 984-0221

To: POSCHNER CONSTRUCTION LTD.

10607 - 132 A ST.
 SURREY, BC
 V3T 3X8

Project: SUGAR CREEK
 Comments: CC: M. POSCHNER

**Page No.: 1-B
 Tot. Pages: 1
 Date: 15-SEP-87
 Invoice #: I-8721602
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8721602

| SAMPLE DESCRIPTION | PREP CODE | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Se ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|--------------------|-----------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| MP87N UPPER VEI | 207 230 | < 0.01 | 80 | < 1 | < 0.01 | 8 | 30 | 134 | < 5 | < 10 | 2 | < 0.01 | < 10 | < 10 | 3 | < 5 | 138 |
| MP87 MUSTANG MI | 207 230 | 0.47 | 1055 | 6 | < 0.01 | 20 | 150 | 40 | < 5 | < 10 | 6 | < 0.01 | < 10 | < 10 | 73 | < 5 | 79 |
| MP87 JUNCTION | 207 238 | 0.01 | 97 | < 1 | < 0.01 | 57 | 20 | >10000 | 30 | 30 | 2 | < 0.01 | < 10 | 10 | < 1 | 10 | 3690 |



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 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: POSCHNER CONSTRUCTION LTD.

10607 - 132 A ST.
 SURREY, BC
 V3T 3X8

Project: SUGAR CREEK
 Comments: CC: M. POSCHNER

**Page No.: 1-A
 Tot. Pages: 1
 Date: 15-SEP-87
 Invoice #: I-8721602
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8721602

| SAMPLE DESCRIPTION | PREP CODE | Cu % | Ag oz/T | Au oz/T | Al % | Ag ppm | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm |
|--------------------|-----------|------|---------|---------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|
| MP87N UPPER VEI | 207 230 | — | 0.05 | 0.004 | 0.06 | 0.4 | 730 | 140 | < 0.5 | < 2 | < 0.01 | 0.5 | < 1 | 20 | 39 | 1.27 | < 10 | 1 | 0.02 | < 10 |
| MP87 MUSTANG MI | 207 230 | 0.11 | 0.02 | < 0.002 | 0.77 | 0.2 | 75 | 380 | < 0.5 | < 2 | 0.03 | < 0.5 | 11 | 14 | 983 | 1.23 | < 10 | 3 | 0.16 | 10 |
| MP87 JUNCTION | 207 238 | — | 3.50 | 1.088 | 0.02 | 128.0 | 270 | 10 | < 0.5 | 108 | < 0.01 | 32.5 | 51 | 21 | 161 | 6.73 | < 10 | < 1 | < 0.01 | 10 |



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

M. POSCHNER CONSTRUCTION LTD.

10607 - 132 A ST.
 SURREY, BC
 V3T 3X8

Project: SUGAR CR.
 Comments: M. POSCHNER

**Page No. 11
 Tot. Pages: 1
 Date: 14-SEP-87
 Invoice #: I-8721601
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8721601

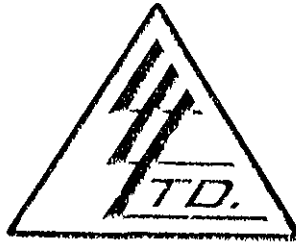
| SAMPLE DESCRIPTION | PREP CODE | Pb % | Zn % | Ag oz/T | Au oz/T | | | | | | |
|--------------------|-----------|------|-------|---------|---------|---------|--|--|--|--|--|
| MP87 ADDITOPENCUT | 207 | 230 | 66.1 | ----- | 23.9 | 0.012 | | | | | |
| MP87 STAVE 1 | 207 | 230 | 1.89 | ----- | 14.90 | 0.027 | | | | | |
| MP87 CC2-1 | 207 | 230 | 10.10 | 20.0 | 15.50 | 0.015 | | | | | |
| MP87 BURNS | 207 | 230 | 10.20 | ----- | 17.20 | 5.114 | | | | | |
| MP87 GALENA HIGHT | 207 | 230 | 3.89 | 0.02 | 21.9 | 0.033 | | | | | |
| MP87 STEVEN 3 | 207 | 230 | ----- | ----- | 0.22 | 0.014 | | | | | |
| MP87 ROADCUT BIG | 207 | 230 | ----- | ----- | 0.08 | 0.002 | | | | | |
| MP87 DH#1 0-10' | 207 | --- | 4.08 | 2.76 | 0.74 | < 0.002 | | | | | |
| MP87 DH#1 10-20' | 207 | --- | 0.40 | 0.18 | 0.14 | 0.002 | | | | | |
| MP87 DH#1 20-33' | 207 | --- | 2.31 | 1.54 | 0.63 | 0.004 | | | | | |
| MP87 DH#1 33-40' | 207 | --- | 0.11 | 0.07 | 0.07 | < 0.002 | | | | | |
| MP87 DH#1 85-101' | 207 | --- | 0.02 | 0.01 | 0.06 | < 0.002 | | | | | |
| MP87 DH#2 28-29' | 207 | --- | 12.20 | 4.58 | 3.15 | 0.002 | | | | | |
| MP87 DH#2 34-35' | 207 | --- | 2.62 | 1.46 | 0.79 | 0.002 | | | | | |
| DH#3 BOX3 70-76.5' | 207 | --- | ----- | ----- | 0.06 | < 0.002 | | | | | |
| DH#3 BOX3 78-81' | 207 | --- | ----- | ----- | 0.02 | 0.002 | | | | | |
| DH#3 BOX4 97-98' | 207 | --- | ----- | ----- | 0.02 | < 0.002 | | | | | |
| D2-5 LASTVE INSGR | 207 | --- | 12.10 | ----- | 3.79 | < 0.002 | | | | | |
| MP87 NO NAME | 207 | --- | 17.20 | ----- | 82.2 | 0.051 | | | | | |
| MPBP 4 | 207 | --- | ----- | ----- | 0.82 | < 0.002 | | | | | |

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

P. Swaites

To: Mr. Stan Motoski,
 White Caps Motor Inn,
 Wells, B.C.



File No. 30081
 Date July 27, 1987
 Samples Rock

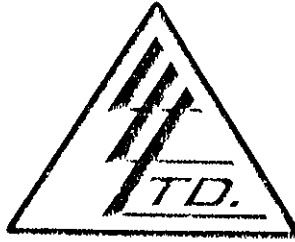
Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

| SAMPLE No. | OZ./TON
GOLD | OZ./TON
SILVER |
|---|-----------------|-------------------|
| <i>Samples Taken By Tannus, Curtis
oil & gas</i> | | |
| <u>"Rock Samples"</u> | | |
| Small Sample | 4.904 | 2.18 |
| Large Sample | .358 | 3.72 |
| <i>taken from rock on upper vein</i>
<i>assortment taken from a number
of outcroppings</i> | | |
| <p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p> | | |

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

Paul A. ...
 Assayer

To: Mr. Stan Motoski,
 White Caps Motor Inn,
 Wells, B.C.



File No. 30081 - 1
 Date July 31, 1987
 Samples Rock

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

| SAMPLE No. | %
Cu | %
Pb | %
Zn |
|-----------------------|---------|---------|---------|
| <u>"Rock Samples"</u> | | | |
| Small Sample | .08 | 1.11 | 2.90 |
| Large Sample | .01 | 11.09 | .21 |

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

Neil D. ...
 Assayer

To:

Poscher Construction Ltd.

10607 - 132A Street

Surrey B.C.

V3T 3X8



Date: July 6, 1987

Certificate of Assay

Control No. 10628

Attention:

We Hereby Certify that the following are the results of assays made by us upon submitted Ore samples.

| Sample Identification | GOLD | SILVER | | | | | |
|-----------------------|----------------|----------------|---------|---------|---------|---------|---------|
| | Ounces Per Ton | Ounces Per Ton | Percent | Percent | Percent | Percent | Percent |
| Howe Street | 0.069 | 5.14 | | | | | |

Note: Pulps retained three months.

Rejects retained two weeks.

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SANDO INDUSTRIES LTD.

F. C. Burgess
 Certified Provincial Assayer

To:

Poschner Construction

10607 - 132 A Street

Surrey B.C.

V3T 3X8



Date: June 29, 1987

Certificate of Assay

Control No. 10613

Attention:

We Hereby Certify that the following are the results of assays made by us upon submitted Ore samples.

| Sample Identification | GOLD | SILVER | | | | | | |
|-------------------------------|----------------|----------------|---------|---------|---------|---------|---------|---------|
| | Ounces Per Ton | Ounces Per Ton | Percent | Percent | Percent | Percent | Percent | Percent |
| Big Vein
#1 Channel Sample | 0.028 | | | | | | | |
| Big Vein
#2 Channel Sample | 0.016 | | | | | | | |
| D - 2 - 87 | 0.096 | | | | | | | |

Note: Pulps retained three months.

Rejects retained two weeks.

SANDO INDUSTRIES LTD.

Certified Provincial Assayer

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To:

Poschner Construction Ltd.

10607 - 132 A Street

Surrey, B.C.

V3T 3X8



Date: June 12, 1987

Certificate of Assay

Control No. 10597

Attention:

We Hereby Certify that the following are the results of assays made by us upon submitted Ore samples.

| Sample Identification | GOLD | SILVER | | | | | |
|-------------------------------------|----------------|----------------|---------|---------|---------|---------|---------|
| | Ounces Per Ton | Ounces Per Ton | Percent | Percent | Percent | Percent | Percent |
| # 1 M.P. 87 Cooper 1 | 0.148 | 1.57 | | | | | |
| # 2 M.P. 87 Cooper 2 | 0.032 | 12.01 | | | | | |
| # 3 M.P. (Pit 1--?)
Add Creek ?? | 0.012 | 0.48 | | | | | |

Note: Pulps retained three months.

Rejects retained two weeks.

SANDO INDUSTRIES LTD.

F. C. Burgess
 Certified Provincial Assayer

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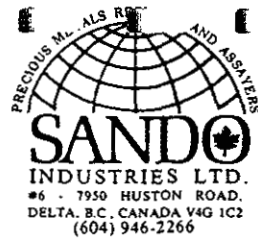
To:

Poschner Construction Ltd.

10607 - 132 A street

Surrey, B.C.

V3T 3X8



Date: Dec. 17, 1986

Certificate of Assay

Control No. 10343

Attention:

We Hereby Certify that the following are the results of assays made by us upon submitted Ore samples.

| Sample Identification | GOLD | SILVER | | | | | |
|---------------------------|----------------|----------------|---------|---------|---------|---------|---------|
| | Ounces Per Ton | Ounces Per Ton | Percent | Percent | Percent | Percent | Percent |
| Suger Creek
Above Line | 0.204 | 1.97 | | | | | |
| Stringer Vein | 12.25 | 27.41 | | | | | |

Note: Pulps retained three months.

Rejects retained two weeks.

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SANDO INDUSTRIES LTD.

F. O. Burgess
 Certified Provincial Assayer

To:

Poschner Construction Ltd.

10607 - 132 A Street

Surrey, B.C.

V3T 3X8



Date: Nov. 24, 1986

Control No. 10304

Certificate of Assay

Attention:

We Hereby Certify that the following are the results of assays made by us upon submitted Ore samples.

| Sample Identification | GOLD | SILVER | | | | | |
|-----------------------|----------------|----------------|---------|---------|---------|---------|---------|
| | Ounces Per Ton | Ounces Per Ton | Percent | Percent | Percent | Percent | Percent |
| 1 | 0.073 | - | | | | | |
| 2 | 0.093 | - | | | | | |
| 3 | 0.044 | 0.10 | | | | | |
| 4 | 0.012 | - | | | | | |
| 5 | 0.009 | - | | | | | |
| 6 | 0.006 | - | | | | | |
| 7 | 0.050 | - | | | | | |
| 8 | 0.032 | - | | | | | |
| 9 | 0.009 | - | | | | | |

Note: Pulps retained three months.

Rejects retained two weeks.

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Fre. Burgess
 Certified Provincial Assayer

To:

Poschner Construction Ltd.

10607 - 132A Street

Surrey, B.C.

V3T 3X8



Date: Oct. 15, 1986

Control No. 10213

Certificate of Assay

Attention:

We Hereby Certify that the following are the results of assays made by us upon submitted Ore samples.

| Sample Identification | GOLD | SILVER | | | | | |
|-----------------------|----------------|----------------|---------|---------|---------|---------|---------|
| | Ounces Per Ton | Ounces Per Ton | Percent | Percent | Percent | Percent | Percent |
| The Rock | 3.54C | | | | | | |
| Lower Trench | 0.03C | | | | | | |
| # 2 Crush | 75.55 | | | | | | |

Note: Pulps retained three months.

Rejects retained two weeks.

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F. C. Burgess

Certified Provincial Assayer

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REPORT: 426-5055

PROJECT: NONE GIVEN

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | AU OPT |
|-------------------------|---------------|--------|
| R2 #1 TAILINGS | | 0.097 |
| R2 #2 TAILINGS | | 0.669= |
| R2 H.P.B.P. 1 | | <0.002 |
| R2 H.P.B.P. 2 | | 0.018= |
| R2 H.P.B.P. 5 | | <0.002 |
| R2 H.P.B.P. 6 | | 0.002 |
| R2 MP CD TRIA | | 0.054 |
| R2 MP COOPER TR1 #1 | | 0.003 |
| R2 MP COOPER TR1 #2 | | <0.002 |
| R2 MP COOPER TR1 #3 | | 0.030 |
| R2 MP COOPER - THE ROCK | | 1.181 |
| R2 MP COOPER 17 UP PITT | | 0.016 |
| C4 CONCENTRATE #1 | | 0.003 |
| C4 CONCENTRATE #2 | | <0.002 |



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North Vancouver, B.C.
Canada V7J 2C1
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Telex: 043-52597

CERTIFICATE OF ASSAY

TO : POSCHNER CONSTRUCTION LTD.

**

CERT. # : A8618143-001-A
INVOICE # : 18618143
DATE : 24-SEP-86
P.O. # : NONE

10607 - 132 A ST.
SURREY, BC
V3T 3X8

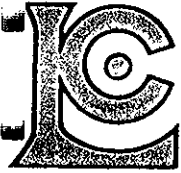
RR 4
BOX 10, COTTONWOOD SITE
QUESNEL, BC

✓ CC: POSCHNER CONSTRUCTION, COTTONWOOD SITY

| Sample description | Prep code | Ag FA oz/T | Au FA oz/T | | | | |
|--------------------|-----------|------------|------------|----|----|----|----|
| M.P. SANDY 1B | 207 | 3.72 | 0.196 | -- | -- | -- | -- |
| M.P. SANDY 2 | 207 | 0.18 | <0.003 | -- | -- | -- | -- |
| M.P. SANDY 3 | 207 | 0.16 | <0.003 | -- | -- | -- | -- |
| M.P. SANDY 4 | 207 | 0.06 | <0.003 | -- | -- | -- | -- |
| M.P. SANDY 5 | 207 | 0.06 | <0.003 | -- | -- | -- | -- |
| M.P. STEVEN 1 | 207 | 17.42 | 0.020 | -- | -- | -- | -- |
| M.P. STEVEN 2 | 207 | 0.68 | <0.003 | -- | -- | -- | -- |
| M.P. Co 48 | 207 | 0.32 | <0.003 | -- | -- | -- | -- |
| M.P. Co 78 | 207 | 9.51 | 0.014 | -- | -- | -- | -- |
| M.P. Co 108 | 207 | 0.49 | 0.006 | -- | -- | -- | -- |
| LAKE 3 | 207 | 1.89 | 0.006 | -- | -- | -- | -- |
| LAKE 4 | 207 | 0.14 | <0.003 | -- | -- | -- | -- |
| ADDIT 8 | 207 | 0.20 | 0.004 | -- | -- | -- | -- |

VOI rev. 4/85

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Registered Assayer, Province of British Columbia



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North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : POSCHNER CONSTRUCTION LTD. *RR #4, Box 10* **
Cottonwood site
Quesnel, BC.
10607 - 132 A ST.
SURREY, BC
V3T 3X8

CERT. # : A8618142-001-A
INVOICE # : 18618142
DATE : 18-SEP-86
P.O. # : NONE

OC: POSCHNER CONSTRUCTION, COTTONWOOD SITE

| Sample description | Prep code | Ag oz/T RUSH FA | Au oz/T RUSH FA | | | | |
|--------------------|-----------|-----------------|-----------------|----|----|----|----|
| M.P. MASSIVE I | 236 | 5.82 | 0.098 | -- | -- | -- | -- |
| MP Co17 UPP VEIN | 236 | 11.40 | 0.844 | -- | -- | -- | -- |

N. Stefanovici

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CERTIFICATE OF ASSAY

TO : POSCHNER CONSTRUCTION LTD.

10607 - 132 A ST.
SURREY, BC
V3T 3X8

RR. #4, BOX 10
COTTONWOOD SITE.
Quesnel, BC.

** CERT. # : A8617535-001-A
INVOICE # : I8617535
DATE : 7-SEP-86
P.C. # : NONE
MUSTANG

CC/ POSCHNER CONSTRUCTION, QUESNEL

| Sample description | Prep code | Ag oz/T RUSH FA | Au oz/T RUSH FA | | | | |
|--------------------|-----------|-----------------|-----------------|----|----|----|----|
| DD1-A | 236 | 0.02 | <0.003 | -- | -- | -- | -- |
| DD1-B | 236 | 0.01 | <0.003 | -- | -- | -- | -- |
| DD1-C | 236 | 0.01 | <0.003 | -- | -- | -- | -- |
| DD1-D | 236 | 0.04 | <0.003 | -- | -- | -- | -- |

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North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221

Telex: 043-52597

CERTIFICATE OF ASSAY

TO : POSCHNER CONSTRUCTION LTD.

** CERT. # : A8616816-001-A

10607 - 132 A ST.
SURREY, BC
V3T 3X8

INVOICE # : I8616816

DATE : 3-SEP-86

P.O. # : NONE

CC: POSCHNER CONSTRUCTION, QUESNEL

| Sample description | Prep code | Cu % | Pb % | Zn % | Ag FA oz/T | Au FA oz/T | |
|--------------------|-----------|-------|-------|------|------------|------------|----|
| TRENCH A | 207 | 0.10 | <0.01 | 0.01 | 0.32 | 0.002 | -- |
| TRENCH B | 207 | <0.01 | <0.01 | 0.01 | <0.01 | <0.002 | -- |
| TRENCH C | 207 | <0.01 | <0.01 | 0.01 | <0.01 | <0.002 | -- |
| TRENCH D | 207 | <0.01 | <0.01 | 0.01 | 0.01 | <0.002 | -- |
| TRENCH F | 207 | 0.01 | <0.01 | 0.01 | <0.01 | <0.002 | -- |
| MP ADDIT 1 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP ADDIT 2 | 207 | -- | -- | -- | 2.71 | <0.002 | -- |
| MP ADDIT 3 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP ADDIT 4 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP ADDIT 5 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP ADDIT 6 | 207 | -- | -- | -- | 0.01 | <0.002 | -- |
| MP ADDIT 7 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP SU-04 | 207 | -- | -- | -- | 0.03 | <0.002 | -- |
| MP SU-05 | 207 | -- | -- | -- | 0.18 | <0.002 | -- |
| MP SU-06 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP SU-07 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP SU-08 | 207 | -- | -- | -- | 0.02 | <0.002 | -- |
| MP SU-09 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP SU-10 | 207 | -- | -- | -- | 0.01 | <0.002 | -- |
| MP SU-11 | 207 | -- | -- | -- | <0.01 | <0.002 | -- |
| MP SU-12 | 207 | -- | -- | -- | 0.02 | <0.002 | -- |
| MP LAKE 1 | 207 | -- | -- | -- | 5.05 | <0.002 | -- |
| MP LAKE 2 | 207 | -- | -- | -- | 12.20 | 0.008 | -- |
| MP JEAN 2 | 207 | -- | -- | -- | 0.15 | <0.002 | -- |
| MP COOPER 14 | 207 | -- | -- | -- | 0.27 | <0.002 | -- |
| MP-20 | 207 | <0.01 | -- | -- | <0.01 | <0.002 | -- |

B. Stewart 01 rev. 4/85

Registered Assayer, Province of British Columbia



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North Vancouver, B.C.
Canada V7J 2C1

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Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : POSCHNER CONSTRUCTION LTD.

10607 - 132 A ST.
SURREY, BC
V3T 3X8

** CERT. # : A8616012-001-A
INVOICE # : 18616012
DATE : 20-AUG-86
P.O. # : NONE
MUSTANG

Box 10
Cottonwood Site, RR #4
Quesnel, BC
V2J 3H8

✓ CC: MR. POSCHNER

| Sample description | Mo ppm (ICP) | W ppm (ICP) | Zn ppm (ICP) | P ppm (ICP) | Pb ppm (ICP) | Bi ppm (ICP) | Cd ppm (ICP) | Co ppm (ICP) | Ni ppm (ICP) | Ba ppm (ICP) | Fe % (ICP) | Mn ppm (ICP) | Cr ppm (ICP) | Mg % (ICP) | V ppm (ICP) | Al % (ICP) | Se ppm (ICP) | Ca % (ICP) | Cu ppm (ICP) | Ag ppm AAS | Ti % (ICP) | Sr ppm (ICP) | Na % (ICP) | K % (ICP) |
|--------------------|--------------|-------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|------------|-------------|------------|--------------|------------|--------------|------------|------------|--------------|------------|-----------|
| MP COOPER #01 | 2 | <10 | 40 | 945 | 38 | <2 | <0.5 | 8 | 17 | 245 | 4.02 | 1650 | 160 | 1.41 | 24 | 2.53 | 0.5 | 6.66 | 27 | 0.4 | 0.060 | 188 | 0.08 | 0.63 |
| MP COOPER #02 | <1 | <10 | 73 | 515 | 14 | <2 | <0.5 | 35 | 72 | 85 | 4.64 | 435 | 370 | 0.30 | 9 | 0.42 | <0.5 | 1.18 | 147 | 0.2 | 0.008 | 34 | 0.02 | 0.04 |
| MP COOPER #03 | 1 | <10 | 81 | 895 | 10 | <2 | <0.5 | 33 | 57 | 130 | 5.53 | 230 | 400 | 0.15 | 15 | 0.60 | <0.5 | 0.70 | 107 | 0.2 | 0.011 | 34 | 0.02 | 0.08 |
| MP COOPER #04 | <1 | <10 | 67 | 25 | 14 | <2 | <0.5 | 51 | 151 | 30 | 19.30 | 90 | 340 | 0.08 | <1 | 0.22 | <0.5 | 0.05 | 735 | 1.2 | 0.002 | 4 | <0.01 | 0.01 |
| MP COOPER #05 | 1 | <10 | 33 | 50 | >10000 | 1080 | 41.0 | 2 | 9 | 20 | 1.03 | 46 | 150 | 0.02 | 2 | 0.57 | <0.5 | 0.08 | 27 | >200.0 | 0.004 | 8 | 0.03 | 0.02 |
| MP COOPER #06 | 10 | <10 | 12 | 35 | >10000 | 148 | 1.5 | 3 | 60 | 15 | 0.52 | 39 | 435 | 0.02 | 2 | 0.14 | <0.5 | 0.02 | 20 | 92.0 | 0.002 | 4 | 0.03 | <0.01 |
| MP COOPER #07 | 2 | <10 | 78 | 45 | >10000 | 785 | 2.0 | 3 | 49 | 30 | 0.57 | 42 | 410 | 0.01 | 6 | 0.16 | <0.5 | 0.03 | 25 | >200.0 | 0.003 | 4 | 0.01 | 0.01 |
| MP COOPER #08 | 2 | <10 | 12 | 45 | 540 | 9 | <0.5 | 7 | 19 | 15 | 1.36 | 100 | 315 | 0.07 | 3 | 0.20 | <0.5 | 0.20 | 37 | 3.8 | 0.007 | 7 | 0.03 | <0.01 |
| MP COOPER #09 | 30 | <10 | 395 | 425 | 336 | 2 | 2.0 | 16 | 57 | 40 | 5.55 | 810 | 270 | 0.24 | 8 | 0.37 | <0.5 | 0.90 | 80 | 2.4 | 0.006 | 29 | 0.02 | 0.03 |
| MP COOPER #10 | 2 | <10 | 39 | 20 | 80 | <2 | <0.5 | 28 | 34 | 30 | 4.76 | 77 | 375 | 0.02 | 3 | 0.18 | <0.5 | 0.05 | 62 | 0.6 | 0.003 | 3 | <0.01 | 0.02 |
| MP COOPER #11 | 2 | <10 | 48 | 415 | 70 | <2 | <0.5 | 2 | 10 | 95 | 5.19 | 1680 | 240 | 0.40 | 7 | 0.67 | <0.5 | 7.05 | 14 | 0.2 | 0.019 | 66 | 0.04 | 0.11 |
| MP COOPER #12 | <1 | <10 | 69 | 145 | 38 | <2 | <0.5 | 5 | 21 | 75 | 1.03 | 154 | 275 | 0.06 | 9 | 0.70 | <0.5 | 0.29 | 25 | 0.2 | 0.015 | 10 | 0.02 | 0.06 |
| MP COOPER #13 | 2 | <10 | 525 | 55 | >10000 | 10 | 2.5 | 2 | 24 | 50 | 1.34 | 118 | 355 | 0.12 | 3 | 0.84 | <0.5 | 0.18 | 32 | 27.4 | 0.011 | 10 | 0.04 | 0.04 |
| MP 1300 | 2 | <10 | 42 | 135 | 204 | 3 | <0.5 | 8 | 32 | 1710 | 1.28 | 1440 | 155 | 0.52 | 15 | 1.74 | <0.5 | 0.34 | 4830 | 1.2 | 0.067 | 73 | 0.38 | 0.17 |

Certified by *Hart Bichler*

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,755



Cnemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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CERTIFICATE OF ASSAY

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SURREY, BC
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| Sample description | Prep code | Ag FA
oz/T | Au FA
oz/T | | | | |
|--------------------|-----------|---------------|---------------|----|----|----|----|
| MP 01 | 207 | 0.07 | <0.002 | -- | -- | -- | -- |
| MP 02 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MP 03 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MP 04 | 207 | 0.05 | <0.002 | -- | -- | -- | -- |
| MP 05 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MP 06 | 207 | 0.07 | <0.002 | -- | -- | -- | -- |
| MP 07 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MP 08 | 207 | 0.03 | <0.002 | -- | -- | -- | -- |
| MP 10 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MP 11 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MP 12 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MP SPECIAL QUART | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MPSV 1 | 207 | <0.01 | <0.002 | -- | -- | -- | -- |
| MPSV 1A | 207 | 7.58 | <0.002 | -- | -- | -- | -- |
| MPSV 2 | 207 | 0.31 | <0.002 | -- | -- | -- | -- |
| MPSV 3 | 207 | 0.11 | <0.002 | -- | -- | -- | -- |
| MP T#2BL | 207 | 0.03 | <0.002 | -- | -- | -- | -- |
| MP T#2 | 207 | 0.03 | <0.002 | -- | -- | -- | -- |
| MP T#3BL | 207 | 0.05 | <0.002 | -- | -- | -- | -- |
| JEAN 2 IN PLACE | 207 | 0.05 | <0.002 | -- | -- | -- | -- |
| B.J | 207 | 0.04 | <0.002 | -- | -- | -- | -- |

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