GEOLOGICAL, GEOCHEMICAL and GEOPHYSICAL REPORT

on the

MAK SICCAR PROPERTY

OSOYOOS, BRITISH COLUMBIA

Osoyoos Mining Division

N.T.S. 82E/4E

Latitude 49o06'N Longitude 119o40'W

for

MOUNT KOBAU MINING LTD.

By: Robert M. Cann, M.Sc.

and

William Taylor, B.Sc.

November, 1990

20638

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL	$51,662.55

AUTHOR(S) William Taylor SIGNATURE(S) [signature]
Robert Cann [signature]

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED .... YEAR OF WORK 1990

PROPERTY NAME(S) Mak Siccar

COMMODITIES PRESENT Gold, silver, copper

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 82E/sw-4

MINING DIVISION Osoyoos NTS 82E/4E

LATITUDE 49° 06'N LONGITUDE 119° 40'W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Mak Siccar, Mak, Mak 2-4, Iowa, Crown, Apex, French, Ellen, Otter Bobbs, Buller & Eclipse Fr., Kitchener, Strathcona, Buller 1 & 2

OWNER(S)

(1) Mt. Kobau Mining Ltd. (2)

MAILING ADDRESS

702-999 Canada Place
Vancouver, B C V6C 3E1

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

(1) as above (2)

MAILING ADDRESS

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

Late Palaeozoic KObau Group greenstone and quartzite are cut by Jurassic Cretaceous quartz diorite/granodiorite stocks. Quartz stockwork, locally containg high gold values, is contained by northeast-trending shears cutting all lithologies.

REFERENCES TO PREVIOUS WORK AR 15920

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground	1:1000&1:5000 (1.25x1.25km)	Bobbs, Buller, Eclipse Fr Mak Siccar, Apex, French, Crown, Otter, Ellen	28,642.55
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	4.6 km	Mak Siccar, Bobbs, Crown, Otter	3,400.00
Electromagnetic	4.6 km	Mak Siccar, Bobbs, Crown, Otter	3,400.00
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil	468 (Au+ICP)	Mak Siccar, Bobbs, Crown, Otter	12,670.00
Silt	4 (Au+ ICP)	Mak Siccar, Mak 2	550.00
Rock	106 (Au +ICP)	Mak Siccar, Apex, Crown, Bobbs, French	3,000.00
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	51,662.55

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

Table of Contents

Appendices

List of Figures

List of Tables

SUMMARY

Mount Kobau Mining Ltd's Mak Siccar property comprises 17 claims (totalling 88 units) located in south-central British Columbia, 18 km northwest of Osoyoos.

Geologically, the property is underlain by a complexly deformed package of metasedimentary and metavolcanic rocks which have been intruded by Jurassic/Cretaceous quartz diorite and granodiorite stocks. The Buller and Kitchener claims host auriferous quartz-carbonate stockwork apparently controlled by sub-parallel, northeast-trending shears and by proximity to the quartz diorite stock. Historically, from approximately 1900 to 1938, the property produced 200 tons averaging 0.64 oz/t Au and 0.32 oz/t Ag. In recent work selected samples have returned up to 6.96 oz/t Au.

The current program, concentrated on the Mak Siccar claim and reverted Crown-grants, was directed at defining and testing potentially mineralized structures and at testing for extensions of known gold-copper mineralization on the Buller claim. Work consisted of geological mapping and prospecting (106 rock samples), soil geochemistry (468 samples), and magnetometer/VLF-EM surveys (4.6 line-km).

Exploration failed to significantly extend known mineralization on the Buller claim. Numerous scattered small quartz stringers, some auriferous, were located; however, the only showing of economic significance is located on the I.X.L./Ellen boundary. Samples from these shear-hosted quartz veins returned up to 2.29 oz/t Au.

Detailed soil sampling, northeast of known mineralization, defined two small but significant gold anomalies.

Additional detailed soil sampling and prospecting is recommended to further evaluate the gold in soil anomalies and the gold showing on the I.X.L./Ellen boundary. Although there is still believed to be potential for a small deposit on the Buller claim, no further work is currently recommended. Exploration work on Minnova's adjoining Rich claims should be reviewed when made public as it may significantly enhance exploration potential on the north and east side of the property.

1. INTRODUCTION

At the request of Mount Kobau Mining Ltd., Azimuth Geological Incorporated conducted detailed geophysical, geochemical and geological surveys on the Mak Siccar property.

The claims are located to the northwest of Osoyoos, south-central British Columbia (Figure 1), an area noted for high grade precious metal veins developed within late Palaeozoic - early Mesozoic greenstone assemblages cut by Jurassic to Cretaceous intrusives. Past producers in the area include the Lakeview - Dividend Mine, the Fairview Camp and the Dankoe Mine. Several other precious metal-bearing shear/vein systems have received minor attention.

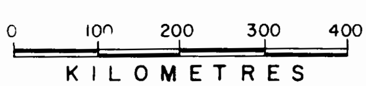
The current program evaluated the existence and economic potential of major structures, postulated to pass through the Buller Crown-grant. Exploration utilized detailed geological mapping, soil geochemistry and geophysical surveys to detect and trace known and unknown zones of precious metal mineralization. The report is based upon the results of these surveys and upon previously collected technical data.

1.1 Location, Access and Physiography

The Mak Siccar property is located in the Osoyoos Mining Division, approximately 18 km northwest of Osoyoos, B.C. and 15 km southeast of Keremeos, B.C. (Figure 1). Mount Kobau, the formerly proposed site of an astronomical observatory, lies along the eastern margin of the Mak Siccar mineral claim.

Access is facilitated by a series of ranching roads from Highway 3 and from the Mount Kobau summit road which exits Highway 3 at Richter Summit, 13 km west of Osoyoos. Access from Highway 3 via the Elkink ranch can be obtained with permission from the owner, A. Elkink. A steep pack trail, constructed in 1934, joins Highway 3 at the Similkameen vineyards 16 km south of Keremeos. The trail was previously used to service the adits developed along the main showings on the Buller, Kitchener and Eclipse Fr. claims.

Elevations on the property range from 700 m to 1874 m atop Mount Kobau. Much of the claim group is dominated by gently rolling



MT. KOBAU MINING LTD.

PROPERTY LOCATION MAP

AZIMUTH GEOLOGICAL INC.

SCALE	AS SHOWN	MINING DIV.	OSOYOOS	FIG.
DATE	OCT., 1990	DRAWN BY	J.J.E.	1
N.T.S.	82E/4E	REVISED		

ranchland; however, the western portion of the property defines a steep west facing slope cut by east-west trending ravines that funnel seasonal runoff into the Similkameen watershed. The main showings and adits are located along Manery Creek, one of the more pronounced ravines.

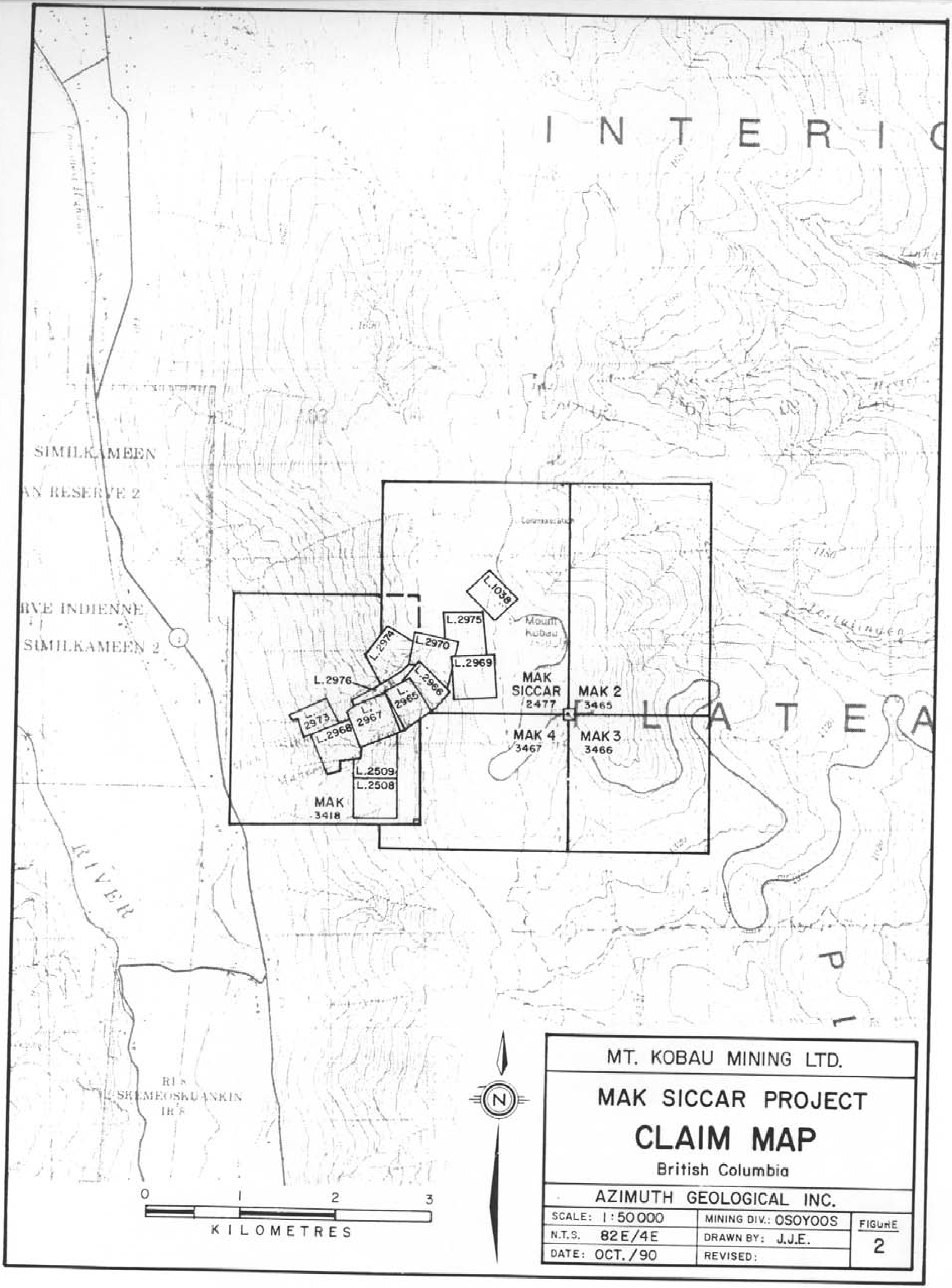
Vegetation is sparse and is dominated by open pine forests and grasslands with sagebrush. Water is not abundant, as most creeks flow only during spring runoff. Several small lakes lie within the property boundaries, but local ranchers rely upon these water supplies throughout the summer and fall. This would limit the availability of water for drilling or for underground development. It may be necessary and expensive to use water-trucks for more advanced exploration programs.

1.2 Property

The Mak Siccar property consists of five modified grid mineral claims and twelve reverted Crown-grants (Figure 2). One of these Crown- grants, the Buller (L. 2965) includes the Eclipse Fraction (L. 2976). These are summarized in Table 1. Mount Kobau Mining Ltd. has 100% beneficial interest in all of the claims listed in Table 1.

TABLE 1. List of claims.

Claim	Record #	Units	Expiry
Iowa (L.2973)	2428	13.31 ha.	May 29, 1991
Crown (L.2969)	2449	20.90 ha.	July 4, 1991
Apex (L.1038)	2450	15.18 ha.	July 4, 1991
French (L.2975)	2451	18.52 ha.	July 4, 1991
Ellen (L.2974)	2452	20.03 ha.	July 4, 1991
Otter (L.2970)	2453	17.35 ha.	July 4, 1991
Bobbs (L.2966)	2471	10.77 ha.	June 25, 1991
Buller (L.2965)	2472	14.60 ha.	June 25, 1991
Eclipse Fr. (L.2976)	2472	5.33 ha.	June 25, 1991
Kitchener (L.2967)	2473	20.90 ha.	June 25, 1991
Strathcona (L. 2968)	2474	19.05 ha.	June 25, 1991
Mak Siccar	2477	20 units	Aug. 15, 1991
Buller 1	2508	1 unit	Oct. 9, 1991
Buller 2	2509	1 unit	Oct. 9, 1991
Mak	3418	20 units	May 9, 1991
Mak 2	3465	15 units	July 22, 1991
Mak 3	3466	9 units	July 22, 1991
Mak 4	3467	12 units	July 21, 1991



MT. KOBAU MINING LTD.

MAK SICCAR PROJECT

CLAIM MAP

British Columbia

AZIMUTH GEOLOGICAL INC.

SCALE: 1:50 000	MINING DIV.: OSOYOOS	FIGURE 2
N.T.S. 82E/4E	DRAWN BY: J.J.E.	
DATE: OCT./90	REVISED:	

2. HISTORY

Crown-granted mineral claims were originally staked between 1900 and 1904. The 1904 Ministry of Mines Annual Report is the first written documentation of work conducted on the property. At this time the Eclipse Mining and Milling Company sunk an 80 ft. winze on the Buller claim, which returned good grade ore for almost the entire length. On the Apex claim a 25 ft. tunnel reportedly encountered a 4 -5 ft. wide solid body of mineralized quartz with good gold values. The property was operated by Eclipse Mining until 1928, at which time the Tiger Gold Syndicate was formed by Eclipse Mining and the claim owners.

The Tiger Gold Syndicate worked the claims until 1931 when the property was taken over by Mak Siccar Gold Mines, Limited. Mak Siccar Gold Mines Ltd. held the ground from 1931 to 1938. In 1938 and 1939 the property was reportedly owned by Messrs. Whitehead and Davidoff of Grand Forks who conducted unspecified work. The property was examined and reported on in 1937 by the Geological Survey of Canada (Cairnes, 1937).

In 1933, work was concentrated on the Buller claim (present site of the Upper and Lower adits). At the entrance to the No. 2 level (4200 ft. level - Upper Adit?), a 1 ft. wide sample taken on the footwall side of a 4 ft. quartz lead reportedly returned 8.4 oz/t Au and 4.8 oz/t Ag. In addition, a crosscut driven to the west cut a narrow stringer zone which assayed 4.70 oz/t Au and carried 15.7% Cu. A 4.5 ft. wide ore shoot in the No. 1 level (4100 ft. level - Middle Adit?) gave assays of 1.66 oz/t Au and 0.84 oz/t Ag and in 1934 it was reported that a 2 ton shipment from this shoot returned 1.83 oz/t Au and 1 oz/t Ag.

In 1933-1934 the 3750 ft. level adit (Lower Adit) was driven 700 ft.. In 1934-1935 drift.ing continued on the 3750 ft. level and 3700 ft. sub-level. A raise was driven up 112 ft. from the 3750 ft. level and a winze was sunk to connect the 3750 ft. level with the 3700 ft. level. Total production until 1939 is reported by the B.C. Ministry of Mines as 200 tons producing 128 oz of gold and 63 oz of silver.

A cross sectional sketch drawn by a J. Krupa (1931-1939?) depicted the 3700 ft. sub-level as an adit coming to surface with dump material evident at its portal. This adit may currently be buried by the 3750 ft. level dump, although a small dump exists 70 meters northwest of the Lower Adit. The sketch also depicts a small cut above the Upper Adit, which reportedly returned 4.70

oz/t Au. An arrow points to the Apex "Glory Hole" as being an undetermined distance above the upper cut.

In 1966, the Buller, Bobbs, Eclipse and Kitchener claims were optioned to Iago Mines Ltd. who constructed a 4 km access road to the upper adits (Min. of Mines Annual Rep., 1966).

Between 1960 and 1986, the area was designated a military reserve and plans were in effect to construct an observatory atop Mount Kobau. These plans were cancelled when the observatory site was changed to Hawaii. The area was re-opened for staking in 1986.

In 1986, Shangri-La Minerals Limited (Di Spirito et al., 1987) conducted wide spaced geophysical and geochemical surveys and completed limited geological mapping on behalf of Chelik Resources Inc. Further work was recommended from these surveys.

In 1990 the property was acquired by Mount Kobau Mining Ltd. who retained Azimuth Geological Inc. to conduct limited orientation soil geochemical, magnetometer, VLF-EM and geological surveys. This work confirmed significant gold values at the adits and demonstrated the usefulness of detailed geochemical and geophysical work (Cann and Crowe, 1990).

3. REGIONAL GEOLOGY AND MINERALIZATION

The Mak Siccar property lies within the Intermontane tectonic belt (Armstrong, 1988) and is underlain by polydeformed, regionally metamorphosed rocks of the Kobau Group and by Jurassic to Mid Cretaceous intrusives. The Kobau Group is areally restricted by the Similkameen River on the west and by the Okanagan fault on the east. The metasedimentary and metavolcanic package that forms the Kobau Group may be roughly time-equivalent to the Permo-Carboniferous Anarchist Group located to the east of the Okanagan Fault (Okulitch, 1969 and 1973) and to the Kruger Schists immediately west of the town of Osoyoos, British Columbia (Cockfield, 1935, Little, 1961 and Meyers, 1988).

In the vicinity of Mt. Kobau workers have postulated up to nine lithological units; however, these generally consist of either foliated quartzite with minor mafic schist or mafic schist with minor quartzite (Okulitch, 1969; Mader et al., 1989). Intrusives are diorite to granodiorite in composition and have been dated (White et al., 1968 and Sinclair et al., 1984) as Jurassic to Cretaceous in age.

Structurally, the Kobau Group has been subject to at least three major structural events. The first event consists of isoclinal folding resulting in parallelism of compositional layering and foliation. The second event has refolded first phase foliation and layering about tight to isoclinal folds. Late, north-south trending , left.-lateral faults locally offset stratigraphy (Mader et al., 1989).

Precious metal mineralization has been documented throughout the Kobau Group and within granodiorite bodies (e.g. Cairnes, 1937). Of particular note are the Fairview Camp, Lakeview-Dividend Mine and Dankoe Mine. The Fairview Camp hosts three major deposits: the Fairview, the Stemwinder and the Morning Star, all lying along a 3 km northwest trending shear/quartz vein system (Meyers, 1988). Gold and silver mineralization occurs in a deformed system of milky grey and white sulphide-bearing quartz veins. Sulphides include pyrite, galena, sphalerite and chalcopyrite. The veins are generally conformable with penetrative fabrics developed in the Kobau Group and display evidence of early ductile and late brittle deformation. Major segments of the vein system have been dissected and juxtaposed by faulting. Ore-bearing quartz veins may also have been tectonically thickened by folding. The three deposits have produced over 520,000 tons of ore averaging 0.122 oz/t Au and 1.415 oz/t Ag. Since 1986, Oliver Gold Corporation and Highland Valley Resources have independently carried out aggressive exploration programs on the Fairview and Stemwinder mines.

The Lakeview-Dividend Mine is a Cu-Au skarn that was worked in the early 1900's and in the 1930's (Carpenter and Crowe, 1988). Mineralization consists of pyrrhotite, chalcopyrite and magnetite locally replacing a northwest trending altered limestone lens within the Kruger Schists. The mine reportedly produced over 99,000 tons of ore averaging 0.19 oz/t Au.

The Dankoe (Horn Silver) Mine consists of flat-lying quartz veins oriented east-west, sub-parallel to shearing. These veins cut Kruger intrusives and host pyrite, chalcopyrite, galena, tetrahedrite and lesser native silver, argentite, pyrargyrite and silver halides. Intermittent operation between 1915 and 1984 produced 430,000 tons of ore averaging 0.023 oz/t Au and 8.63 oz/t Ag.

4. WORK PROGRAM

The September 1990 work program on the Mak Siccar property was directed at defining and testing potentially mineralized structures on Mak Sikkar and Manery Creeks and at testing for extensions of known gold-copper mineralization around the upper adits.

Field work was conducted from September 11 to October 2 and consisted of detailed geophysical (magnetometer and VLF-EM) and geochemical surveys (468 soils), detailed (1:1,000) and medium scale (1:5,000) geological mapping, detailed structural studies and extensive rock sampling (106 samples). For control of geophysical and geochemical surveys, a total of 4.6 km of grid and 0.5 km of base line were established along Manery Creek to the northeast of the May 1990 orientation grid.

Detailed mapping used the grid for control while medium scale geological mapping was plotted on 1:15,000 colour airphotos and later transferred to a 1:5,000 topographic base.

All work except grid establishment and soil sampling was conducted by personnel employed by Azimuth Geological Inc. Grid location and soil collection was sub-contracted to Exploration Services Inc. of Vancouver.

5. PROPERTY GEOLOGY

Geology of the Mak Siccar claim and of the northeasterly Crown-grants is shown in Figure 3 at 1:5,000 while more detailed geology of the grid area at 1:1,000 is depicted in Figure 4.

5.1 Lithologies

Unit 1. Greenstones

Predominantly outcropping on the east side of Mount Kobau and in the central and northern portion of the grid, greenstones typically occur as chloritized, fine-grained, masssive to well foliated metavolcanic units with occasional remnant feldspar crystals. Siliceous and/or feldspathic stringers ocassionally define a distinctive primary foliation or fine compositional layering of contrasting light and dark laminations (Unit 1a). Granular magnetite stringers occur locally along the foliation. Rare, small marble lenses have been observed within the greenstone. Throughout the unit, lenses from 0.1 to >10 m thick of quartzite are common.

In the vicinity of granodiorite (Unit 3b) greenstones are hornfelsed to a pyritic dense dark green massive rock. Further from the intrusion compositional layering is emphasized due to selective replacement of (carbonate-rich?) laminae by epidote.

Near the communication tower on Mount Kobau, a distinct fine-grained, green-grey, pyritic diabase (Unit 3c) was noted.

Unit 2. Quartzite and Phyllite

Quartzite outcrops in the southern portion of the grid and from the east edge of the grid to the top of Mount Kobau. Quartzite is generally massive and saccharoidal but varies to banded, phyllitic and locally chloritic. Colour in outcrop may be white, cream, yellow, orange or grey. Grey and grey-green phyllite (Unit 2b) occurs as a 25 to 50 m thick unit along the contact between greenstone and massive quartzite (Fig. 3).

White vitreous quartz veins and veinlets, typically 2 to 10 cm in width, are ubiquitous in massive quartzite and are both concordant and discordant to regional foliation and folding. Folded, conformablequartz veins andlenses are barrenof sulphides.

Unit 3. Diorite and Granodiorite

Light grey, massive, medium- to coarse-grained hornblende-quartz-diorite (Unit 3a) outcrops in the southwestern portion of the grid west of L3+50E.
The mafic constituents of the quartz diorite have been regionally chloritized but quartz eyes and feldspars are still distinct.
The diorite is characteristically massive or blocky where jointed. A weak foliation is present in the diorite near its contact with the greenstone units, particularly where these units interfinger.
This foliation may reflect shearing along contacts. Microdiorite dykes both crosscut and are folded with the greenstone.

Fine- to medium-grained, equigranular granodiorite (Unit 3b) outcrops near the centre of the Mak Siccar claim (Fig. 3). The unit is generally weakly sericitic and carries 1% disseminated, fine pyrite. Contacts are gradational and marked by increasing xenoliths and screens of metavolcanic within the granodiorite. Numerous 1 to 20 cm dykes or sills occur within the hornfelsed greenstone marginal to the main granodiorite body. The large area of hornfelsing and alteration compared to the area of granodiorite and the numerous xenoliths suggest the intrusive is only partly unroofed.

5.2 Structure

Early (F1(?)) foliation, reflecting regional, flat-lying isoclinal folds generally trends northwest-southeast and dips southwest, with local swings to east-west or rarely northeast, reflecting later warping. These regional folds are reflected in minor flat-lying folds too small to show on Figures 3 or 4. Geological contacts between the greenstones and quartzites are commonly sinuous and are interpreted to be flat to gently dipping. At 1:5,000 scale, units appear to form a broad open syncline with the main quartzite unit sandwiched between two similar greenstone units.

Faults appear to be mainly northeast or north-south trending. North-trending faults are abundant on the summit of Mount Kobau where they pass through the saddle between the two highest points.
In this vicinity the structures can be defined by lineaments, minor shears and offset of units. The straight fault traces

suggest the faults are steeply dipping. Movement along the faults is not well defined but units to the east may be down-dropped. Narrow north-south trending shears in the vicinity of the Buller adits appear to both offset and host mineralized veins.

Northeast trending faults are well defined in the adits on the Buller claim and cross-cut both greenstone and quartz diorite. Where measured these faults trend approximately 030o and dip 45 to 60o northwest. Rough plots of observed and reported shears in the adits suggests there are at least two sub-parallel shears. A poorly defined northeast-trending shear is postulated in the upper reaches of Mak Sikkar Brook based on stratigraphic offset and on weak lineaments (Fig. 3).

Joints are generally north-, northeast- or east-trending. Although mainly steeply dipping, dips may also be 40 to 55o to the west or northwest.

6. MINERALIZATION

6.1 Buller Claim

Gold and copper mineralization occurs within a 40 m wide quartz +/- carbonate stockwork best observed over a width of 40 m between the Middle and Upper adits. Veins, individually and combined, vary dramatically in width from 0.02 m to 1 m, strike 060o, 033o, 100o, and dip vertically to 52o northwest. Some of the quartz veining, such as seen above the upper adit, is flat lying and lensoid in shape. Auriferous quartz veins generally carry chalcopyrite, fine to coarse crystalline pyrite, trace tourmaline, and malachite/azurite. Sampling of these veins in May 1990 returned up to 6.957 oz/t Au in a selected grab (Cann and Crowe, 1990) while earlier work reported up to 1.66 oz/t over 1.4 m (MMAR, 1933) near the portal to the Middle adit. Much of the underground development work conducted from 1904 to 1935 was focused on sub-parallel, irregular but persistent sheared quartz vein systems trending 030o and dipping 45 to 60o to the northwest.

Except for mapping, little work was conducted around the Buller adits during this program. Three grab samples taken from near the adits during mapping are summarized below.

Sample	Location	Description	Results
105911	3+10E 0+15N	Selected grab of py-cpy rich qz-carb. vein.	0.600oz/t Au 36.4 ppm Ag .73% Cu
105689	Lower adit dump.	Grab of pyritic qz vein.	0.184oz/t Au
90MSGC-105	Lower lower adit dump.	Pyrite-rich qz vein.	0.141oz/t Au

6.2 I.X.L./Ellen

During reconnaissance mapping two small showings were located near the common I.X.L./Ellen boundary (Samples 105907, 105908, 105910: Fig. 3). The most northwesterly showing, exposed in outcrop and in a 5 m long adit, consists of an irregular, steeply dipping 0.5 m wide limonitic quartz vein which cross-cuts foliated greenstone. The second showing is located 10 m southeast of the adit and consists of a 1 m wide shear hosting narrow (1 to 20 cm) quartz +/- carbonate +/- pyrite +/- chalcopyrite stringers and veins. The shear runs sub-parallel to foliation at 030o /55 - 65o NW and is exposed for 25 m. Selected samples and results are tabulated below.

Sample	**Location**	**Description**	**Results**
105907	Southeast showing.	Grabs of qz-py-cpy stringers.	2.488oz/t Au 38.9 ppm Ag
105908	Adit dump.	Limonitic quartz.	197 ppb Au 1.7 ppm Ag
105910	25 m NE of 105907.	20 cm qz-py-cpy vein. Selected sample.	64 ppb Au 8.2 ppm Ag 0.29% Cu

6.3 Apex Adit and Extension

A 0.5 to 0.75 m wide quartz vein trends northeasterly across the summit of Mount Kobau, approximately 50 m east of the radio communication tower (Fig. 3). The northeast end of the vein is exposed in a short, 2.5 m long adit (Apex Adit) where the vein pinches and swells dramatically, trends 070o and dips at 75o to the north. Narrow, north-trending faults cause small displacement of the vein. Forty-five metres to the southwest the same vein is exposed in a small road-cut (Apex Extension). Here the vein is 0.60 m wide and trends at 045o toward the adit. Host rock at both localities is massive quartzite. The vein could not be traced beyond these two points.

Chip sample results are shown in Figure 5. Only two of the samples, both from the adit, returned anomalous results. Sample 105662 was taken across the width of the vein (1.2 m) at the portal and ran 396 ppb Au. A grab sample of pyrite-rich vein taken from the end of the adit ran 211 ppb Au. All other samples ran less than 50 ppb Au.

6.4 Tower Showing

The Tower Showing consists of a large exposure of limonitic, manganese-stained, silicified greenstone or diabase, located 35 m south-southwest of the Mount Kobau radio communication tower (Figure 3). The zone appears podiform in shape but occurs in an area of numerous north-south linears. Chip sampling across this zone returned only one anomalous sample (No. 105770) which ran 176 ppb Au (Figure 5).

6.5 French Showing

The French Showing is located 520 m southwest of the communication tower in the northwest corner of the French claim (Figure 3). A quartz vein stockwork cutting limonitic quartzite is exposed in a stripped 15 by 30 m outcrop. Veins commonly carry trace pyrite and are oft.en sub-parallel at 050 to 065o . Heavy manganese staining covers the lower section of the outcrop. Chip sampling (and two grab samples) returned gold values from 3 to 33 ppb (Figure 5).

7. ROCK GEOCHEMISTRY

During mapping representative rock samples were taken routinely if altered, mineralized or limonitic material was encountered. All samples are located on Figures 3 or 4 and gold, silver and copper results are tabulated on the map-sheets. Of the 77 samples taken, nine can be considered anomalous for gold, silver, copper or lead -although none are of ore tenor.

Sample	Location	Description	Results
105603	2+75E 0+25N	Rusty qz vein with malachite in greenstone.	423ppb Au 3142ppm Cu
105619	6+50E 1+00S	Vuggy qz vein in qzite. Grab from talus.	221ppb Au
105628	8+50E 0+93S	4 cm rusty, pyritic qz vein.	510ppb Au
105630	8+53E 0+40N	15 cm limonitic qz vein. Subcrop.	100ppb Au 7.5ppm Ag 1252ppm Pb
105635	2+00E 0+70S	Selected sample 3 cm qz-pyrite-chalcopy. vein in diorite.	228ppb Au 766ppm Cu
105651	4+00E 0+20N	Pyritic qz vein in pyritic greenstone. Grab in talus.	20.3ppm Ag
105658	2+00E 0+24S	5 cm qz-pyrite-chalcopy. vein in diorite.	249ppb Au
105682	Road-cut near Kobau lookout.	Chip of limonitic, siliceous gouge.	251ppb Au
105901	130m east of grid.	Mn stained, limonitic qzite.	197ppb Au

Most of the above samples appear to represent, isolated scattered veinlets or shears. Samples 105619 and 105628 are spatially associated with soil Anomaly B (Figure 6) and as such may be part of a larger zone. Samples 105635 and 105658 are of note as they represent auriferous, chalcopyrite-bearing quartz stringers in quartz diorite distal from mineralization in the adits. These stringers appear porphyritic or magmatic in character and support a genetic link between gold mineralization and the quartz diorite stock.

8. SOIL AND SILT GEOCHEMISTRY

8.1 Soil Sampling Method

A total of 468 soil samples were taken at 10 m intervals along the 50 m spaced lines. Soils are generally poorly developed and are better described as talus-fine material. Locally more stable, forested and grassy areas develop a thin A horizon. Samples were taken at depths varying from 10 cm to 30 cm. Areas of no-sample (N/S - Fig. 6) consist of either coarse talus blocks or extensive outcrop.

All samples were placed in Kraft sample bags and submitted to Pioneer Laboratories Inc. in New Westminster for 30 element ICP and Au (aqua regia digestion; AA finish) analysis (details Appendix D).

8.2 Soil Survey Results

Gold and copper values are plotted on Figure 6 while complete results are tabulated in Appendix D. Results were not subject to rigorous statistical treatment but, by inspection, gold values greater than 50 ppb and copper values greater than 150 ppm are considered anomalous.

The strongest and most coherent gold anomaly is located over, and extending for 50 m north of the upper adit(Adit Zone). This was largely defined by previous work (Cann and Crowe, 1990) but the current work picks up the north tip of the anomaly. A cluster of three highly anomalous samples at the end of lines 6+50E and 7+00E (marked Anomaly A - Fig. 6) is the second most significant anomaly and is open to the east. An examination of this talus-covered area revealed no explanation for the origin of the values. Anomaly B is a weaker three sample anomaly on lines 7+50E and 8+00E. The origin of this anomaly is not known; however, two samples of pyritic quartz vein from this vicinity (No's 105619 and 105628; Fig. 6) are anomalous in gold and suggest further work is warranted. Zone C is a weak gold and copper anomaly centred on Line 8+00E/1+40N and appears to originate from weak alteration described for samples 105632, 105633 and 105634 (Fig. 6). Although these samples did not contain significant copper or gold they were silicified and pyritic.

Anomalies D and E are weak, widespread copper anomalies which appear to be spatially associated with greenstone bluffs.

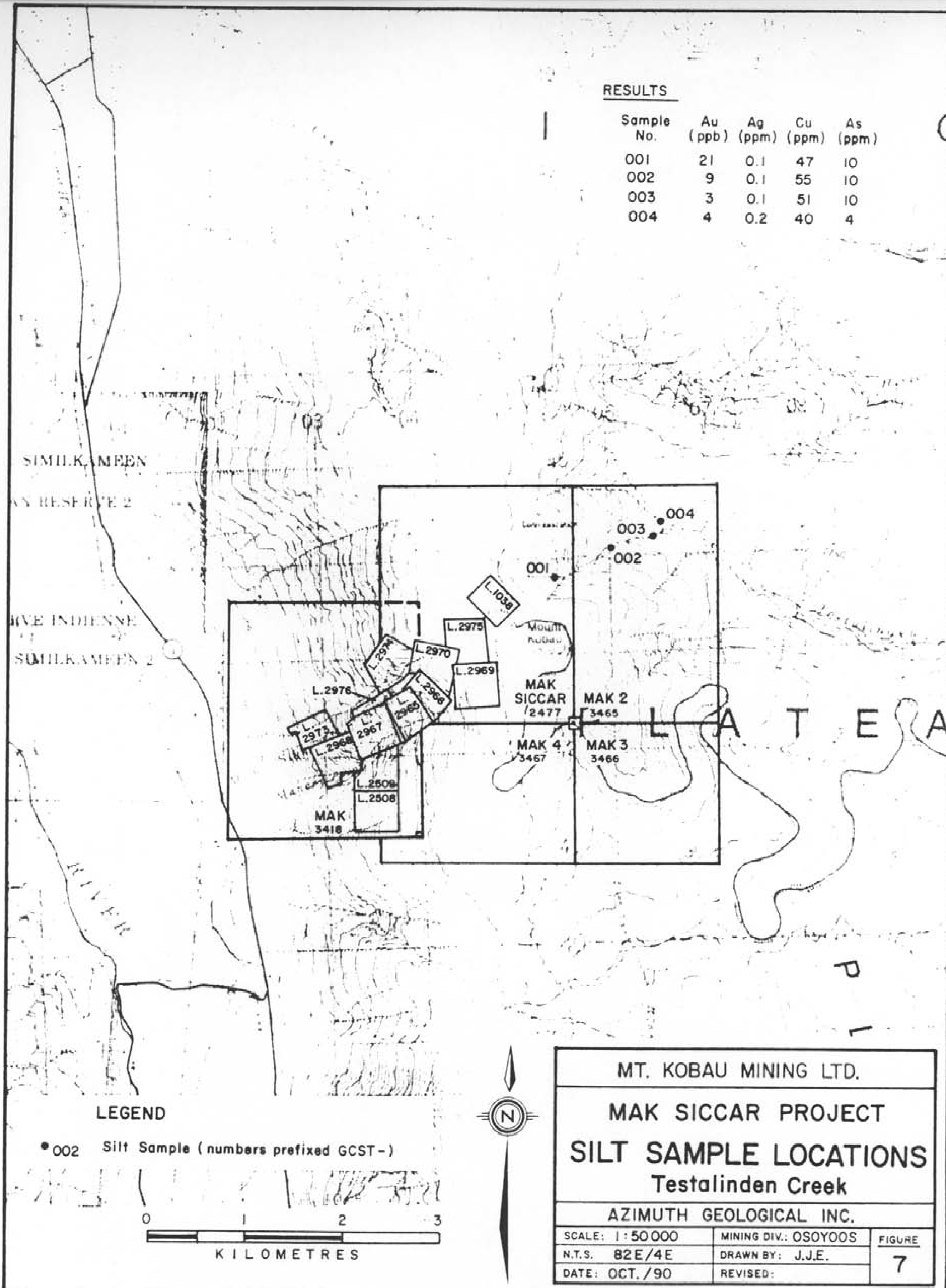
Numerous rock samples were taken from this area (Fig. 4) and several samples of silicified, pyritic greenstone do contain elevated copper values (100 to 200 ppm) which may explain the weak anomalies.

Several, discrete anomalous samples are scattered throughout the grid. Of note are:
(1) Line4+00E/0+90S 380 ppb Au. This area was examined in the field and no explanation found for the anomaly.
(2) Line 7+50E/0+20S 783 ppm Cu and 78 ppb Au. This area was not examined.

Anomalous gold values do not show a consistent correlation with any other metal.

8.3 Silt Sampling

Four standard silt samples were taken along Testalinden Creek to check for mineralization in this drainage. Sample locations together with gold, copper and silver results are plotted on Figure 7. Complete analytical results are included in Appendix D. None of the elements are anomalous.



RESULTS

Sample No.	Au (ppb)	Ag (ppm)	Cu (ppm)	As (ppm)
001	21	0.1	47	10
002	9	0.1	55	10
003	3	0.1	51	10
004	4	0.2	40	4

MT. KOBAU MINING LTD.

MAK SICCAR PROJECT

SILT SAMPLE LOCATIONS

Testalinden Creek

AZIMUTH GEOLOGICAL INC.

SCALE: 1:50 000	MINING DIV.: OSOYOOS	FIGURE
N.T.S. 82E/4E	DRAWN BY: J.J.E.	7
DATE: OCT./90	REVISED:	

9. GEOPHYSICAL SURVEYS

9.1 Magnetometer Survey

Total magnetic field readings were taken at five metre intervals along the established survey lines. The survey was conducted using a Geometrics G-816 proton magnetometer with a reported accuracy of +/- 1 gamma. Readings were later corrected for diurnal drift., which was tracked by taking repeated readings at a designated "base" station. Maximum recorded daily variation was in the order of 65 gammas, but average variation was around 30 gammas.

Magnetic relief over the surveyed area varies from 56,176 gammas to 58,157 gammas (Figure 8 - includes part of May 1990 data). For the most part, magnetic relief is flat over much of the map-area and shows no variation between greenstone and quartzite. The area of high relief outlined by the May 1990 survey ends abruptly near L3+50E. This sharp break in magnetic relief (passing through the baseline at 3+75E) suggests either a north-south structure or abrupt lithologic change.

The strongest feature in the new data is a linear magnetic-high running sub-parallel to the west end of the baseline and trending toward the northeast corner of the grid. This anomaly may be related to a fault indicated in this area (Fig. 4).

A small anomaly at the north end of L3+50E has not been explained.

9.2 VLF/EM Survey

A detailed VLF/EM survey was conducted over the established grid as an additional method for locating and/or tracing structures. This technique measures secondary electromagnetic fields produced from conductive bodies such as massive sulphides or water saturated, clay-rich shear zones, when subjected to powerful very low frequency radio signals.

Dip angle and quadrature readings were taken at 10m intervals using a Geonics EM-16 instrument. The Seattle VLF transmitter was used because of its orientation approximately along strike (225o) from the presumed northeast trending structures.

Dip angle readings and contoured, Fraser-filtered data are plotted on Figure 9. No strong, continuous conductors are evident. A weak to moderate anomaly trends northeasterly across the southern part of the grid from L4+00E to L8+50E; however, the conductor does not appear to be associated with any geological features. Much of the anomaly is very weak and may be related to surficial features.

A weak, curvi-linear anomaly extends from L5+50E/1+00N to the northeast corner of the grid. This anomaly is in part coincident with a linear magnetic anomaly (see 9.1 Magnetic Survey above) but also appears to be topographic related, occurring along the base of prominent greenstone cliffs.

A very strong, unexplained conductor was detected on L3+50E at approximately 0+70N. Unfortunately, the conductor disappears under a hoodoo to the northeast.

Known shears, visible for example in the Upper and Middle Adits, do not appear to be conductive and, therefore, cannot be recognized by VLF/EM techniques. The non-conductive nature of this and other structures may be due largely to the extremely low groundwater table in this area. A moderate, north-northeast trending conductor previously recognized on Lines 2+50E to 3+25E may be related to either the diorite-greenstone contact or to a splay from one of the "adit" shears.

10. CONCLUSIONS

The Mak Siccar and adjoining claims are underlain by a complex, deformed assemblage of metavolcanic and metasedimentary rocks. West of Mount Kobau, northeast-trending shears are common, whereas on, and possibly to the east of Mount Kobau north-south trending shears appear to dominate. On the Mak Siccar property gold mineralization is associated with northeast structures while on Minnova's adjoining Rich claims mineralization appears to be associated with north-south structures. Gold mineralization on the Buller claim occurs in an erratic quartz-pyrite-chalcopyrite stockwork developed between and within persistent, sub-parallel, northeast-trending shears and appears to be spatially restricted to within 75 m of the quartz diorite-greenstone contact.

Detailed mapping, prospecting, soil sampling, magnetometer and VLF-EM surveys failed to significantly extend known mineralization exposed around the adits. Mapping and prospecting located numerous isolated small quartz stringers, some of which are auriferous, but which in general appear to have little potential. Widespread alteration associated with an altered granodiorite stock on the Mak Siccar and French claims does not appear to be auriferous. Prospecting located small, shear-hosted quartz veins with erratic but significant gold mineralization (up to 2.288oz/t Au) near the I.X.L./Ellen boundary. Detailed prospecting is required to delineate these further.

Soil sampling defined two small but significant gold anomalies (one of which is open to the east) located in the southeast corner of the grid. These anomalies require further evaluation.

The exploration program has severely limited the potential for finding a moderate to large economic gold deposit. A small, high-grade deposit (less than 100,000 tons) may still exist near the existing underground workings; however, exploration and definition will require extensive underground work. Mineralization currently being tested by Minnova northeast of the Mak Siccar property may extend onto the claims. Exploration for such a target would require a large primary (soil sampling, geophysics, etc.) exploration program.

11. RECOMMENDATIONS

Gold soil anomalies A and B should be evaluated by detailed prospecting, by placing intermediate (25 m spaced) soil lines and by extending lines 7+00E to 8+50E 75 to 100 m further south.

Gold mineralization located on the I.X.L./Ellen boundary should be traced on the Ellen claim by detailed prospecting of the generally excellent exposures in this area. Assessment reports for the I.X.L. claim should also be reviewed and evaluated with respect to the Mak Siccar property.

Assessment reports on Minnova's adjoining Rich claims should be reviewed when released to the public. If the reports suggest mineralization or structures extend onto the Mak Siccar property further exploration is recommended in this area.

Although there is still believed to be potential for a small high-grade gold deposit on the Buller claim, no further work is recommended at this time because of the high exploration cost of further work. However, Mt. Kobau Mining may wish to consider further work through joint venture or option.

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13. CERTIFICATES

I, Robert M. Cann, of 1260 Silverwood Crescent, North Vancouver, B.C., do hereby certify that:

1. I am a geologist with offices at 205 - 470 Granville Street, Vancouver, B.C.

2. I am Vice-President and Secretary of Azimuth Geological Incorporated

3. I am a graduate of the University of British Columbia with the following Degrees:

   Bachelor of Science (Honours Geology), 1976
   Master of Science (Geology), 1979

4. I have practiced my profession continuously since graduation.

5. I am a Fellow in good standing of the Geological Association of Canada.

6. The foregoing report is based upon:

   a) A study of available company and government reports.

   b) My personal knowledge of the area resulting from programmes carried out on the property in April and May, 1990.

Dated this 13th day of November, 1990, in the City of Vancouver, Province of British Columbia.

Robert M. Cann, M.Sc.

CERTIFICATE

I, WILLIAM A. TAYLOR, of the City of Vancouver, British Columbia hereby certify that:

1) I am a geologist residing at 2494 Cornwall Avenue, Vancouver, B.C.

2) I hold a degree of Bachelor of Science (Hons.) in Geology from the University of London, England.

3) I have practised my profession continuously since 1983.

4) I was employed by Azimuth Geological Inc. in September 1990 to conduct geological mapping and other surveys on the Mak Siccar project.

Dated on this 13th day of November, 1990 at Vancouver, B.C.

William A. Taylor, B.Sc.
Geologist

APPENDIX A

COSTS INCURRED

COST SUMMARY - MAK SICCAR PROJECT

Geologists:		
R. Cann(Sept 10-Oct. 2) 23 days @ $350	$8,050.00	
G. Crowe(Sept. 27-Oct. 3) 7 days @ $350	2,450.00	
W. Taylor(Sept. 10-Oct. 5) 26 days @ $325	8,450.00	
		18,600.00
Technicians:		
J. Hallman(Sept. 12-25) 13.5 days @ $225		3,037.50
Subcontractors:		
Gentoo Research - D. Shaw,Ph.D.		1,759.70
Exploration Services Inc. 15 man/days @ $225		3,375.00
expenses		418.87
Meals/Accommodation 79 man/days @ $70/day		5,530.00
Truck Rentals 22 days @ $65/day	1,430.00	
Redhawk Rentals	2,097.70	
		3,527.70
Travel (airfare, car rental)		490.86
Fuel		424.28
Airphotos		178.50
Misc. Consumables		377.04
Communication (telephone, fax)		58.25
Geochemistry:		
Soils(Au, ICP) 472 @ $10.25	4,838.00	
Rocks(Au, ICP) 106 @ $12.25	1,298.50	
Rocks(Au+Ag assay) 5 @ $12.00	60.00	
Shipping	98.35	
		6,294.85
Word Processing		200.00
Draft.ing, printing, copying		2,500.00
Report		3,000.00
TOTAL		$51,662.55

APPENDIX B

ROCK SAMPLE DESCRIPTIONS

DATE	LOCATION	SAMPLE NO.	DESCRIPTION	RESULTS
14/9	2+25E 0+35S	105601	Quartz vein,18cm, chlorite + sericite some pyrite.	95ppb Au 5ppm Cu
14/9	2+25E 0+60N	105602	Quartz vein, ankerite + chlorite rusty colour, with minor pyrite. Within greenstone.	26 ppb Au 204 ppm Cu
14/9	2+75E 0+25N	105603	Quartz vein, rusty, some malachite. Within greenstone.	423 ppb Au 3142 ppm Cu 2.5 ppm Ag
16/9	3+50E 2+10N	105604	Quartz vein, 25cm, vertical at 010, chlorite + minor pyrite.	17 ppb Au 29 ppm Cu
17/9	3+25E 0+20N (8m NE of stn.)	105605	Highly siliceous, massive greenstone, quartzitic in part, 2mm pyrite cubes + fine diss. pyrite.	24 ppb Au 88 ppm Cu
17/9	3+29E 0+20N	105606	Quartz vein, graphitic + chloritic banding, minor pyrite.	16 ppb Au 4 ppm Cu
17/9	3+25E 0+17N	105607	Quartzite, cream colour, siliceous, micaceous and chloritic with limonitic patches. 1-2% pyrite.	10 ppb Au 4 ppm Cu
17/9	4+50E 1+98S	105608	Quartzite with siliceous veinlets, chloritic and micaceous with limonitic patches.	1 ppb Au 12 ppm Cu

17/9	4+50E 2+00S (20m SE of stn)	105609	Quartz vein, rusty, within quartzite.	5 ppb Au 8 ppm Cu
17/9	5+00E 1+30S	105610	Quartzite,limonitic + haematitic, siliceous cross fractures.	13 ppb Au 15 ppm Cu
17/9	8+25E 2+00S	105611	Quartz vein. Vuggy with limonitic patches.	4 ppb Au 15 ppm Cu
19/9	5+50E 2+50S	105612	Quartz vein. Limonitic patches, within grey quartzite.	11 ppb Au 15 ppm Cu
19/9	5+50E 2+00S (10m SW @ 240 of stn)	105613	Quartzite, grey/pink colour, hairline siliceous filled fractures containing pyrite.	40 ppb Au 30 ppm Cu
19/9	5+50E 2+00S (20m SSW of stn.)	105614	Quartz veins, shallow dips, limonite + weathered pyrite. Cross cut by N/S near vertical fractures.	12 ppb Au 13 ppm Cu
19/9	B.L. btwn. 5+75E & 6+00E	105615	Quartz vein, 10cm, NE strike, dip 48 SW, within weathered quartzite.	3 ppb Au 11 ppm Cu
19/9	B.L. 5+82E	105616	Siliceous, foliated quartzite, cream/orange colour. 2mm pyrite cubes.	7 ppb Au 27 ppm Cu
19/9	6+00E 1+40S	105617	Quartzite. orange/brown colour, siliceous-limonitic fractures. Abundant fracturing.	42 ppb Au 80 ppm Cu

19/9	6+50E 1+80S	105618	Quartz vein hosted by quartzite.	3 ppb Au 3 ppm Cu
19/9	6+50E 1+00S	105619	Quartz vein/quartzite. Vuggy. TALUS GRAB.	221 ppb Au 76 ppm Cu 1.8 ppm Ag
19/9	6+50E 0+18S	105620	Quartz vein. Rusty and vuggy with quartz eyes and shiny pyrite. TALUS GRAB.	4 ppb Au 23 ppm Cu
20/9	7+50E 0+18S	105621	Rusty, yellow/purple weathered, siliceous, limonitic, greenstone with abundant shiny pyrite cubes. Diss. magnetite.	5 ppb Au 323 ppm Cu
20/9	7+50E 1+20S	105622	Siliceous vein like quartzite, 15cm, N/S strike, vertical dip.	5 ppb Au 24 ppm Cu
20/9	7+50E 1+33S	105623	Quartz vein. Vuggy, limonitic with weathered out pyrite.	11 ppb Au 111 ppm Cu
21/9	8+00E 1+20S (4m NE of stn.)	105624	Quartz vein. Vuggy and limonitic. Within quartzite.	1 ppb Au 41 ppm Cu
21/9	8+00E 1+10S (4m NNE of stn.)	105625	Quartz vein subcrop. Rusty, vuggy, limonitic patches. Pyrite cubes.	8 ppb Au 12 ppm Cu
20/9	8+20E 0+30S	105626	Quartz veined quartzite, limonitic and rusty. TALUS-SUBCROP GRAB.	3 ppb Au 73 ppm Cu

21/9	B.L. 8+25E (3m SE of stn.)	105627	Quartz vein. Vuggy, limonitic, 10cm, 050 strike, subcrop within quartzite.	1 ppb Au 31 ppm Cu
21/9	8+50E 0+93S	105628	Quartz vein, rusty, limonitic, haematitic, weathered pyrite. 4cm, 060 strike, dip 75 NW fracture.	510 ppb Au 117 ppm Cu
21/9	8+50E 0+40N (10m NE of stn.)	105629	Quartz veins up to 10 cm in fractures in chloritic quartzite @ 030 & 060 dip steep NW. Some quartzite in sample.	15 ppb Au 42 ppm Cu
21/9	8+53E 0+40N	105630	Quartz vein with limonitic patches. 15cm, 027 strike. Subcrop.	100 ppb Au 25 ppm Cu 7.5 ppm Ag 1252 ppm Pb
22/9	8+25E 2+00S	105631	Quartz vein. Epidote, chlorite and magnetite. 15cm in subcrop.	32 ppb Au 12 ppm Cu
22/9	7+85E 1+60N	105632	Quartz veins up to 10 cm, minor limonite, fractures within quartzite.	18 ppb Au 12 ppm Cu
22/9	7+70E 1+60N	105633	Quartzite. Rusty, manganese stained, haematitic, siliceous and fractured.	13 ppb Au 58 ppm Cu
22/9	8+03E 1+40N	105634	Quartz fracture veins in quartzite, vertical dip, NE strike, limonitic, composite grab.	16 ppb Au 16 ppm Ag

22/9	2+00E 0+70S	105635	'High grade' sulphide grab of quartz vein within diorite. pyrite, chalcopyrite,malachite and chlorite. 3 cm wide.	228 ppb Au 766 ppm Cu
23\9	8+00E 0+45N	105636	Banded siliceous phyllite, limonitic + weathered pyrite, fine grey material. TALUS GRAB (appears to be derived from 15m uphill.	12 ppb Au 14 ppm Cu
23/9	7+50E 0+40N (3m NE of stn)	105637	Quartz vein. Limonitic, 15cm, E/W fissure within quartzite.	7 ppb Au 28 ppm Cu
23/9	7+00E 0+40N	105638	Quartz vein. Limonitic, vuggy, yellow colour with weathered out pyrite.	18 ppb Au 20 ppm Cu
24/9	6+50E 1+00N (3m NE of stn)	105639	Quartz vein,. Limonitic, 10cm within greenstone subcrop.	2 ppb Au 24 ppm Cu
24/9	6+50E 1+80N	105640	Pyritic, rusty greenstone subparallel to regional foliation (120, dip 30N). Lenses in a zone at least 15m long.	10 ppb Au 78 ppm Cu
24/9	6+52E 1+80N	105641	Quartz vein. Subparallel to regional foliation, 10-15cm, minor pyrite, adjacent to pyritic greenstone.	2 ppb Au 10 ppm Cu

24/9	6+60E 1+60N	105642	Quartz vein, rusty, adjacent to pyritic greenstone.	1 ppb Au 36 ppm Cu
25/9	6+00E 0+40N (10m E @ 065 of stn.)	105643	Pyritic greenstone near quartzite contact. Shiny pyrite.	7 ppb Au 79 ppm Cu
25/9	5+75E 1+20N	105644	Rusty, red/yellow coloured greenstone, minor pyrite along 030 fractures dipping 45NW.	17 ppb Au 201 ppm Cu
25/9	6+00E 1+35N	105645	Rusty, red coloured, pyritic greenstone.	3 ppb Au 131 ppm Cu
25/9	6+00E 1+50N (20m E @ 115 of stn.)	105646	Quartz vein. Flat lying 0.5m.	4 ppb Au 37 ppm Cu
26/9	5+53E 0+50N	105647	Quartz vein, 10cm, bull quartz within chloritic greenstone. 080 strike, dip 73S.	3 ppb Au 3 ppm Cu
26/9	5+50E 1+10N (20m N @ 020 of stn.)	105648	Pyritic greenstone, red/yellow colour, siliceous. TALUS GRAB probably derived from cliffs W of L6+00E.	9 ppb Au 199 ppm Cu
26/9	5+18E 1+95N	105649	Bleached, siliceous, vuggy, limonitic greenstone. Pyrite along E/W fractures parallel to 100 foliation.	22 ppb Au 17 ppm Cu
26/9	5+15E 1+85N	105650	Quartz vein cross cutting foliation in greenstone. Some pyritic greenstone in sample.	3 ppb Au 47 ppm Cu

27/9	4+00E 0+20N (15m S @ 195 of stn.)	105651	Quartz vein with pyrite within pyritic greenstone. TALUS GRAB.	11 ppb Au 56 ppm Cu 20.3 ppm Ag
27/9	3+50E 0+30N	105652	Greenstone, rusty colour with diss. pyrite and magnetite.	6 ppb Au 78 ppm Cu
27/9	4+50E 1+80N	105653	Quartz vein. Chloritic, limonitic, weathered out pyrite. TALUS GRAB.	4 ppb Au 8 ppm Cu
27/9	4+50E 1+10N (20m N @ 220 of stn.)	105654	Quartz vein. 1m bull quartz with some chlorite, fractured. Hosted by large block of greenstone adjacent to hoodoo.	2 ppb Au 5 ppm Cu
27/9	5+00E 0+10 (22m W @ 285 of stn.)	105655	Quartz veins up to 10cm, crosscutting foliation in greenstone. 085 strike, dip 37N. Abundant pyrite.	14 ppb Au 132 ppm Cu
27/9	15 NW of 105655	105656	Siliceous, pyritic yellow quartzite and greenstone. Limonitic, fractured.	9 pbb Au 46 ppm Cu
27/9	4+50E 0+63N	105657	Greenstone. Hydrothermally altered, K-feldspar, chlorite, epidote, silica, diss. pyrite.	5 ppb Au 74 ppm Cu
27/9	2+00E 0+24S	105658	Quartz vein, 5cm in E/W vertical fracture in diorite subcrop. Pyrite, chalcopyrite.	249 ppb Au 21 ppm Cu

29/9	LOWER LOWER PIT	105659	Quartz vein, chloritic, 0.5m, E/W strike within diorite.	7 ppb Au 5 ppm Cu
29/9	APEX ADIT	105660	Quartz vein, vuggy, limonitic, diss. pyrite. 1.3m CHIP across north wall.	37 ppb Au 60 ppm Cu 1.6 ppm Ag
29/9	APEX ADIT	105661	Main Quartz vein. 0.93m CHIP across back.	5 ppb Au 13 ppm Cu
29/9	APEX ADIT	105662	Quartz vein, some bleached limonitic wall rock. 1.15m CHIP across roof portal.	396 ppb Au 138 ppb Cu
29/9	APEX ADIT	105663	Quartz vein, limonitic, minor chlorite, diss pyrite. 0.30m CHIP.	20 ppb Au 33 ppb Cu
29/9	APEX ADIT	105664	Pyritic quartz vein, vuggy, limonitic. GRAB below 105663.	211 ppb Au 61 ppm Cu 1.1 ppm Ag
29/9	APEX ADIT EXTENS	105665	Quartz vein, minor limonite. 0.65m CHIP.	2 ppb Au 30 ppm Cu
29/9	APEX ADIT EXTENS	105666	Quartz vein. Chlorite + limonite, within greenstone. 0.70m CHIP S of 105665.	28 ppb Au 98 ppm Cu
29/9	APEX ADIT EXTENS	105667	Quartz vein, weathered out pyrite, limonitic patches. 0.50m CHIP.	42 ppb Au 53 ppm Cu
29/9	APEX TOWER	105668	Siliceous greenstone, diss. pyrite, limonitic. 2.0m CHIP.	44 ppb Au 99 ppm Cu

29/9	APEX TOWER	105669	Bleached limonitic greenstone, pyrite associated with quartz veinlets. 2.0m CHIP.	11 ppb Au 91 ppm Cu
29/9	APEX TOWER	105670	Same as 105669. 2.4m CHIP.	176 ppb Au 74 ppm Cu
29/9	APEX TOWER	105671	Siliceous greenstone, less altered than previous two samples. Limonitic, fine diss. pyrite. 2.0m CHIP.	6 ppb Au 99 ppm Cu
29/9	APEX TOWER	105672	Same as 105671. 2.0m CHIP.	7 ppb Au 75 ppm Cu
29/9	APEX TOWER	105673	Same as 105671. 2.0m CHIP.	3 ppb Au 57 ppm Cu
29/9	APEX TOWER	105674	Rusty quartz + bleached limonitic wall rock, minor pyrite, vugs. SELECTIVE GRABS.	50 ppb Au 48 ppm Cu
30/9	FRENCH SHOWING	105675	Quartz veins in quartzite, rusty/yellow/brown colour, limonitic, weathered + diss. pyrite. 1.8m CHIP.	18 ppb Au 118 ppm Cu
30/9	FRENCH SHOWING	105676	Quartz veins in quartzite, limonitic, shiny pyrite cubes. 2.0m CHIP.	12 ppb Au 106 ppm Cu
30/9	FRENCH SHOWING	105677	Quartz veins in quartzite. Limonite + manganese staining. Weathered out pyrite. 2.0m CHIP.	6 ppb Au 258 ppb Cu 1.1 ppm Ag
30/9	FRENCH SHOWING	105678	Same as 105677. 1.5m CHIP.	3 ppb Au 122 ppm Cu

30/9	FRENCH SHOWING	105679	Quartzite + quartz vein material, minor pyrite, some limonitic vugs. 1.7m CHIP.	27 ppb Au 85 ppm Cu
30/9	FRENCH SHOWING	105680	Quartz vein 70%, quartzite 30%, pyritic + limonitic. 1.7m CHIP.	14 ppb Au 72 ppm Cu
30/9	ROADCUT BELOW LOOKOUT	105681	Limonitic gouge, minor quartz veining in H.W. 075 strike, 48 S dip.	3 ppb Au 42 ppm Cu
30/9	ROADCUT S OF 105681	105682	Siliceous limonitic gouge. 080 strike, 53 S dip. 0.9m CHIP.	251 ppb Au 57 ppm Cu
30/9	5+50E 2+05N	105683	Siliceous pyritic greenstone, yellow/orange colour, limonitic. Quartz veinlets.	17 ppb Au 171 ppm Cu
30/9	5+25E 2+00N	105684	Pyritic, rusty greenstone. Yellow/purple colour, heavy. TALUS GRAB marked `sample A`	10 ppb Au 109 ppm Cu
1/10	6+50E 1+95S	105685	Quartz sericite schist/quartzite, rusty, manganese coated, cut by 10-15cm quartz veins. Limonitic fractures.	48 ppb Au 79 ppm Cu
1/10	7+40E 0+15S	105686	Fine grained magnetite + minor pyrite + quartz veinlets in black greenstone. TALUS GRAB.	8 ppb Au 89 ppm Cu
1/10	7+30E 0+15S	105687	Same as 105686 but less magnetite. TALUS GRAB.	9 ppb Au 45 ppm Cu

1/10	7+55E 0+45N	105688	Rusty, weathered greenstone, vuggy quartz vein, fine diss. pyrite. FLOAT.	14 ppb Au 34 ppm Cu
1/10	LOWER ADIT DUMP	105689	Rusty quartz vein with abundant pyrite. DUMP.	5355 ppb Au 9 ppm Cu 2.1 ppm Ag
15/09	East of grid	105901	Mn stained, limonitic quartzite.	197 ppb Au 1.6 ppm Ag
16/09	NW corner Apex	105902	20 cm qz-py tourmaline vein	7 ppb Au 0.1 ppm Ag
19/09	French claim	105903	Limonitic qz vein.	122 ppb Au 0.6 ppm Ag
19/09	French claim	105904	Mn stained qzite.	33 ppb Au 0.2 ppm Ag
19/09	Apex claim	105905	Pyritic hornfels	7 ppb Au 0.5 ppm Ag
19/09	Apex claim	105906	Limonitic qz veins cutting qzite.	14 ppb Au 0.3 ppm Ag
22/09	South side Ellen	105907	Qz-cpy-py stringers in sheared greenstone.	2.288 oz/t Au(assay) 38.9 ppm Ag 775 ppm Cu
22/09	South side Ellen	105908	Grabs from dump. Qz-cpy-py.	197 ppb Au 1.7 ppm Ag
23/09	Otter	105909	Limonitic qz veins in greenstone.	10 ppb Au 0.1 ppm Ag
	South side Ellen	105910	20 cm qz-py-cpy vein. 25m above 105907.	64 ppb Au 8.2 ppm Ag 2868 ppm Cu
	Upper Adit	105911	Qz-py-cpy rich grab sample from above adit.	0.600 oz/t Au (assay) 36.4 ppm Ag 7284 ppm Cu
01/10	4+00E 0+90S	105912	Pyritic, cherty lense.	49 ppb Au 1.2 ppm Ag

	3+00E 0+15N	90MSGC101	Limonitic 1-2 m wide qz vein in diorite. Grab.	490 ppb Au 2.1 ppm Ag 548 ppm Cu
30/09	Apex claim	90MSGC102	Rusty white 20 cm qz vein.	20 ppb Au 0.6 ppm Ag
30/09	Test'n Creek	90MSGC103	Rusty, pyritic qz vein.	15 ppb Au 0.1 ppm Ag
30/09	Test'n Creek	90MSGC104	Pyritic qz vein in silic. argillite. Chloritic seams.	11 ppb Au 0.2 ppm Ag
30/09	Lower lower adit	90MSGC105	3 cm qz vein in diorite. 5% cse crystalline py.	0.141 oz/t Au (assay) 2.0 ppm Ag

APPENDIX C

ROCK ANALYTICAL SHEETS

ACMF ...ALY...L L...ATO...S LT... ... E. ...STI... ST. ...COU... B.C V6A ...ONE ...)2... 158 X(6 ...53- ...

GEOCHEMICAL ANALYSIS CERTIFICATE

Azimuth Geological PROJECT 9002 File # 90-4619

205 - 470 Granville St., Vancouver BC V6C 1V5 Submitted by: W. TAYLOR

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
C 105601	4	5	5	11	.3	7	7	195	1.59	2	5	ND	2	5	.2	2	2	8	.20	.030	4	4	.25	45	.01	3	.43	.02	.07	1	95
C 105602	8	204	3	13	.6	16	11	282	4.65	4	5	ND	1	13	.2	2	2	28	.62	.012	2	58	.36	20	.02	2	.52	.01	.04	1	26
C 105603	4	3142	5	45	2.5	17	19	645	1.86	4	5	ND	1	48	.8	3	2	32	3.26	.011	2	18	.61	6	.04	5	.62	.01	.01	1	423
C 105604	9	29	2	2	.1	16	3	136	.73	4	5	ND	1	4	.2	2	2	3	.42	.004	2	74	.03	8	.01	5	.07	.01	.01	1	17
C 105605	4	88	6	65	.6	40	7	432	2.22	7	5	ND	3	9	.4	3	2	25	.81	.063	7	21	.68	98	.01	3	.96	.01	.06	1	24
C 105606	9	4	2	1	.1	16	1	66	.41	2	5	ND	1	7	.2	2	2	1	.25	.001	2	76	.01	4	.01	7	.01	.01	.01	1	16
C 105607	1	4	2	3	.4	8	5	1042	.58	2	5	ND	8	151	.4	2	4	2	5.51	.013	4	2	.09	34	.01	2	.18	.05	.03	1	10
C 105608	8	12	2	8	.3	19	3	148	.78	5	5	ND	2	1	.2	2	7	2	.09	.005	3	69	.06	36	.01	4	.18	.01	.05	1	1
C 105609	2	8	24	28	.1	8	2	560	1.66	4	5	ND	1	51	.2	2	3	1	2.47	.009	2	4	.32	6	.01	2	.02	.01	.01	1	5
C 105610	5	15	3	8	.3	23	5	305	.65	3	5	ND	1	1	.2	2	3	2	.24	.009	2	46	.06	58	.01	2	.16	.01	.04	1	13
C 105611	2	15	2	1	.2	10	1	182	.63	5	5	ND	1	2	.3	2	3	1	.01	.003	2	7	.01	12	.01	4	.02	.01	.01	1	4
C 105901	5	126	10	54	1.6	17	10	1578	8.75	2	5	ND	1	13	.2	2	7	51	.08	.036	2	41	.29	82	.01	6	1.05	.01	.12	1	197
C 105902	4	14	2	1	.1	13	2	49	1.24	2	5	ND	1	1	.2	2	2	1	.01	.006	2	10	.01	5	.01	5	.01	.01	.01	1	7
STANDARD C/AU-R	18	59	40	131	7.4	70	31	1054	3.98	41	20	7	37	52	19.1	16	17	55	.52	.093	37	56	.90	180	.07	35	1.89	.06	.14	12	492

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR 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 AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 20 1990 DATE REPORT MAILED: Sept 26/90 SIGNED BY C. Leong ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. [illegible] E. HASTINGS ST. VANCOUVER B.C. [illegible] PHONE([illegible])25[illegible]58 [illegible](60[illegible] [illegible]3-1

GEOCHEMICAL ANALYSIS CERTIFICATE

Azimuth Geological PROJECT 9002 File # 90-4786

205 - 470 Granville St., Vancouver BC V6C 1V5

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
C 105612	1	15	2	10	.1	12	2	422	1.48	6	5	ND	1	7	.2	5	2	3	.33	.043	2	6	.08	49	.01	2	.20	.01	.07	1	11
C 105613	3	30	2	6	.1	19	4	468	.63	5	5	ND	1	4	.2	2	2	1	.25	.011	2	6	.02	21	.01	3	.07	.01	.02	1	40
C 105614	1	13	2	6	.1	10	2	345	.91	4	5	ND	1	4	.2	3	2	1	.33	.014	2	2	.02	26	.01	6	.07	.01	.03	1	12
C 105615	4	11	2	15	.1	20	1	296	.44	4	5	ND	1	7	.2	2	2	3	.37	.006	2	9	.05	22	.01	2	.08	.01	.01	1	3
C 105616	4	27	2	37	.2	6	2	356	1.83	2	5	ND	1	7	.2	2	2	19	.10	.056	9	16	.50	114	.01	2	.72	.01	.09	1	7
C 105617	1	80	2	45	.3	22	11	1542	4.89	8	5	ND	4	24	.2	2	2	15	.05	.032	16	14	.52	73	.01	5	1.34	.01	.13	2	42
C 105618	1	3	6	7	.1	3	1	132	.45	2	5	ND	1	2	.2	2	2	1	.04	.004	2	2	.01	10	.01	4	.02	.01	.01	1	3
C 105619	1	76	2	43	1.8	26	10	1474	2.36	11	5	ND	2	21	.2	2	2	2	1.34	.085	6	3	.05	106	.01	5	.26	.01	.12	1	221
C 105620	6	23	5	7	.3	11	1	58	1.04	2	5	ND	1	2	.2	2	2	7	.02	.008	6	55	.09	39	.01	3	.18	.01	.04	1	4
C 105621	1	323	2	60	.8	21	17	2186	6.17	3	5	ND	1	25	.3	4	2	61	1.62	.062	2	18	.93	77	.11	5	1.83	.02	.35	1	5
C 105622	1	24	7	15	.1	7	2	412	.77	2	5	ND	1	6	.5	2	2	3	.59	.018	2	5	.11	81	.01	3	.20	.01	.05	1	5
C 105623	13	111	10	20	.6	10	2	148	3.30	3	5	ND	1	10	.2	2	2	18	.05	.019	5	8	.03	50	.01	3	.14	.01	.04	1	11
C 105624	7	41	2	1	.1	21	2	151	.80	2	5	ND	1	4	.2	2	2	2	.10	.006	2	60	.01	36	.01	5	.13	.02	.03	1	1
C 105626	3	73	2	17	.2	17	4	346	.76	9	5	ND	1	13	.2	2	2	1	.32	.035	2	7	.04	47	.01	4	.07	.02	.02	1	3
C 105627	1	31	2	7	.1	11	3	351	.78	3	5	ND	1	2	.2	2	2	1	.04	.006	2	1	.01	14	.01	3	.03	.01	.01	1	1
C 105628	4	117	6	10	.3	54	10	221	2.20	12	5	ND	1	2	.2	2	2	3	.02	.008	7	3	.01	47	.01	3	.07	.01	.04	1	510
C 105629	19	42	116	9	.9	37	5	464	.74	5	5	ND	1	4	.2	2	3	3	.20	.008	3	76	.03	40	.01	2	.11	.01	.04	1	15
C 105630	4	25	1252	4	7.5	16	2	185	.46	6	5	ND	1	2	.2	2	15	1	.02	.001	2	10	.01	10	.01	4	.04	.01	.01	1	100
C 105903	1	53	5	9	.6	6	2	175	2.28	2	5	ND	1	32	.2	2	2	21	.07	.073	7	11	.09	263	.03	2	.37	.01	.19	1	122
C 105904	1	182	5	44	.2	47	73	53556	5.65	28	5	ND	1	98	.2	2	2	16	.05	.053	10	16	.02	3466	.01	2	.37	.01	.13	2	33
C 105905	5	50	2	9	.5	13	4	241	5.48	2	5	ND	1	7	.3	5	2	18	.36	.039	2	39	.03	12	.05	4	.19	.01	.01	1	7
C 105906	30	31	9	4	.3	12	2	176	2.28	4	5	ND	1	17	.2	2	2	22	.01	.028	9	16	.03	569	.01	2	.15	.01	.07	1	14
STANDARD C/AU-R	18	60	39	131	7.1	72	32	1056	3.99	38	15	8	38	53	18.8	15	19	55	.50	.097	38	59	.91	182	.07	38	1.90	.07	.13	11	487

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR 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 AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 25 1990 **DATE REPORT MAILED:** Oct 2/90 . **SIGNED BY**..........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Azimuth Geological PROJECT 9002 File # 90-4966 Page 1

205 - 470 Granville St., Vancouver BC V6C 1V5 Submitted by: BOB CANN

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
C 105625	1	12	2	2	.1	11	2	248	.65	7	5	ND	1	3	.2	2	2	2	.22	.010	2	5	.01	40	.01	3	.05	.01	.02	1	8
C 105631	2	12	2	1	.1	8	1	207	.43	2	5	ND	1	17	.2	2	2	8	.29	.001	2	7	.01	17	.01	3	.14	.01	.01	1	32
C 105632	1	12	2	2	.1	6	1	504	.60	2	5	ND	1	4	.2	2	2	1	.13	.014	2	4	.01	38	.01	3	.07	.01	.03	1	18
C 105633	3	58	2	27	.1	24	6	328	1.81	2	5	ND	1	10	.2	2	2	15	.39	.019	5	20	.40	37	.03	3	.57	.01	.04	1	13
C 105634	1	16	4	5	.1	9	2	407	.71	3	5	ND	1	3	.2	2	2	2	.20	.005	2	3	.02	24	.01	4	.06	.01	.01	1	16
C 105635	2	766	2	13	.2	6	2	999	1.23	2	5	ND	1	126	.2	2	2	9	5.92	.014	2	5	.30	30	.01	2	.49	.01	.03	1	228
C 105636	3	14	23	1	.3	2	1	41	1.09	2	5	ND	1	6	.2	2	2	4	.01	.021	8	4	.01	59	.01	3	.11	.01	.08	1	12
C 105637	2	28	2	30	.1	19	2	111	.74	2	5	ND	1	2	.2	2	2	1	.05	.013	2	7	.02	9	.01	3	.10	.01	.01	1	7
C 105638	2	20	10	6	.2	2	1	46	.62	3	5	ND	1	1	.2	2	2	4	.01	.010	9	4	.06	73	.01	3	.16	.01	.07	1	18
C 105639	3	24	2	10	.1	11	5	438	1.33	3	5	ND	1	14	.2	2	2	13	1.25	.012	2	10	.09	34	.01	4	.14	.01	.05	1	2
C 105640	1	78	2	62	.1	24	18	766	7.71	9	5	ND	1	8	.3	2	2	92	.56	.044	2	38	1.50	73	.28	2	2.38	.02	.17	1	10
C 105641	2	10	2	3	.1	10	1	196	.81	2	5	ND	1	11	.2	2	2	8	.45	.006	2	9	.06	21	.01	3	.22	.01	.01	1	2
C 105642	1	36	2	7	.1	5	3	207	1.39	2	5	ND	1	6	.2	2	2	19	.42	.011	2	4	.11	20	.01	4	.26	.01	.01	1	1
C 105643	5	79	2	63	.1	21	3	364	2.44	6	5	ND	2	10	.2	2	2	24	.17	.091	6	22	.59	107	.01	3	.90	.01	.07	1	7
C 105644	1	201	2	28	.2	23	18	1379	5.11	2	5	ND	1	36	.4	2	2	73	7.17	.185	2	16	.41	88	.17	2	.94	.04	.08	1	17
C 105645	1	131	2	76	.2	30	20	783	7.61	5	5	ND	1	13	.5	2	2	129	.97	.094	2	72	1.80	40	.41	2	2.93	.06	.06	1	3
C 105646	1	37	2	2	.1	3	4	129	.71	2	5	ND	1	4	.2	2	2	5	.55	.010	2	4	.04	22	.02	2	.12	.03	.01	1	4
C 105647	2	3	2	9	.1	14	3	419	.73	2	5	ND	1	21	.2	2	2	5	.97	.010	2	9	.13	17	.02	3	.22	.01	.02	1	3
C 105648	2	199	9	40	.2	15	16	547	7.31	5	5	ND	1	27	.5	2	2	75	3.07	.152	2	24	.63	83	.14	2	1.50	.05	.11	1	9
C 105649	8	17	2	3	.4	12	4	83	2.38	2	5	ND	1	5	.2	2	2	14	.14	.008	2	58	.06	62	.05	3	.10	.01	.06	1	22
C 105650	1	47	7	14	.1	5	10	233	1.57	2	5	ND	1	10	.2	2	2	33	.85	.031	2	2	.20	73	.03	4	.45	.02	.02	1	3
C 105651	6	56	117	88	20.3	15	10	575	2.49	14	5	ND	1	165	1.1	2	2	9	5.07	.028	2	52	.67	54	.01	3	.23	.01	.07	1	11
C 105652	1	78	4	59	.2	18	22	645	4.97	11	5	ND	1	17	.2	2	2	102	3.16	.137	2	13	.72	147	.39	2	1.40	.08	.09	1	6
C 105653	7	8	2	8	.1	17	2	543	1.26	4	5	ND	1	7	.2	2	2	12	1.63	.004	2	60	.13	38	.01	4	.18	.01	.03	1	4
C 105654	1	5	4	2	.1	3	2	98	.58	2	5	ND	1	3	.2	2	2	7	.71	.004	2	2	.08	6	.03	3	.11	.01	.01	1	2
C 105655	9	132	2	7	.2	20	12	234	2.06	8	5	ND	1	7	.2	2	2	17	1.01	.002	2	67	.23	21	.01	4	.31	.01	.02	1	14
C 105656	1	46	2	7	.1	19	3	389	6.53	5	5	ND	1	17	.2	2	2	47	.09	.017	2	10	.03	57	.02	2	.08	.01	.08	1	9
C 105657	3	74	2	79	.1	124	30	638	3.54	5	5	ND	1	17	.2	2	2	25	.40	.096	2	202	.99	68	.12	3	1.53	.04	.08	1	5
C 105658	1	21	2	5	.1	3	4	541	1.43	2	5	ND	1	59	.2	2	2	3	1.98	.014	2	2	.10	69	.01	3	.20	.01	.04	1	249
C 105659	5	5	2	4	.1	9	3	225	.46	2	5	ND	1	23	.2	2	2	3	.58	.001	2	49	.10	3	.01	4	.13	.01	.01	1	7
C 105660	1	60	4	4	1.6	6	3	123	2.27	2	5	ND	1	7	.2	2	2	3	.05	.023	7	2	.03	160	.01	4	.14	.01	.06	1	37
C 105661	8	13	2	1	.1	17	1	85	.79	2	5	ND	1	2	.2	2	2	2	.02	.004	2	75	.02	22	.01	3	.04	.01	.01	1	5
C 105662	1	138	6	31	.8	25	20	1240	6.77	2	5	ND	1	5	.2	2	3	44	.05	.041	3	10	.83	335	.05	3	1.04	.01	.18	1	396
C 105663	10	33	2	3	.3	20	3	136	1.63	4	5	ND	1	4	.2	2	2	4	.10	.029	5	75	.02	84	.01	3	.09	.01	.04	1	20
C 105664	1	61	3	10	1.1	15	15	1235	4.41	6	5	ND	1	5	.2	2	5	3	.05	.018	2	4	.05	77	.01	4	.10	.01	.04	1	211
C 105665	1	30	2	3	.1	6	4	97	1.04	2	5	ND	1	1	.2	2	2	2	.01	.004	2	4	.01	37	.01	4	.06	.01	.02	1	2
STANDARD C/AU-R	19	59	37	132	7.3	72	31	1053	3.96	43	22	7	39	52	18.9	15	21	60	.46	.097	40	61	.90	187	.08	35	1.90	.06	.13	11	499

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR 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 AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 2 1990 **DATE REPORT MAILED:** Oct 5/90 **SIGNED BY**.............D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
C 105666	2	98	4	19	.5	29	13	919	3.58	2	5	ND	1	10	.2	2	3	17	.41	.014	2	9	.31	139	.01	4	.45	.01	.09	1	28
C 105667	5	53	4	10	.5	16	5	175	1.71	7	5	ND	1	3	.2	2	2	3	.03	.014	3	9	.01	55	.01	3	.06	.01	.03	1	42
C 105668	1	99	5	27	.4	23	6	973	3.95	3	5	ND	1	17	.2	2	2	25	.06	.030	7	15	.15	437	.03	2	.46	.01	.13	1	44
C 105669	2	91	5	30	.2	15	5	1407	5.00	2	5	ND	1	17	.2	2	2	46	.06	.050	7	24	.19	308	.04	2	.58	.01	.23	1	11
C 105670	2	74	6	23	.4	11	3	986	4.50	2	5	ND	1	16	.2	2	3	26	.07	.051	8	16	.19	267	.02	2	.51	.01	.12	1	176
C 105671	2	99	2	72	.4	24	17	1063	5.64	2	5	ND	1	23	.4	2	2	95	1.23	.069	2	43	1.43	121	.34	2	1.83	.02	.09	1	6
C 105672	1	75	2	73	.2	15	15	817	6.73	6	5	ND	1	34	.5	2	2	120	.67	.078	2	24	1.55	168	.43	2	2.36	.02	.16	1	7
C 105673	1	57	2	74	.2	30	22	718	5.22	2	5	ND	1	24	.4	2	2	108	.62	.065	2	62	1.91	67	.33	2	2.39	.03	.07	1	3
C 105674	2	48	2	3	.2	7	3	464	5.21	2	5	ND	1	9	.2	2	4	26	.03	.082	4	7	.01	582	.01	2	.11	.01	.05	1	50
C 105675	5	118	12	21	.7	18	6	1065	3.44	2	5	ND	1	19	.2	2	3	21	.02	.042	9	13	.03	1001	.01	2	.23	.01	.05	1	18
C 105676	3	106	5	15	.4	12	6	733	3.21	7	5	ND	1	10	.2	2	2	13	.02	.042	8	9	.04	371	.01	2	.21	.01	.05	1	12
C 105677	3	258	9	66	1.1	68	61	32338	3.56	5	5	ND	1	83	.6	2	2	31	.08	.050	10	19	.02	3938	.02	2	.35	.01	.11	1	6
C 105678	2	122	2	28	.9	37	26	21596	2.50	13	5	ND	1	66	.2	2	2	4	.04	.027	5	7	.01	2137	.01	3	.15	.01	.05	1	3
C 105679	2	85	6	11	.5	14	4	285	2.22	2	5	ND	2	10	.2	2	2	10	.02	.017	5	14	.05	461	.01	2	.25	.01	.05	1	27
C 105680	2	72	3	8	.2	12	3	691	2.32	3	5	ND	1	9	.2	2	2	6	.01	.022	6	11	.02	406	.01	2	.12	.01	.03	1	14
C 105681	1	42	2	83	.7	36	28	1389	6.09	25	5	ND	1	35	.8	2	2	72	8.90	.038	3	38	.88	197	.01	2	1.30	.01	.17	1	3
C 105682	1	57	2	46	.8	33	13	770	2.71	37	5	ND	2	10	.4	2	2	19	2.74	.044	6	13	.16	63	.01	2	.37	.01	.11	1	251
C 105683	3	171	3	6	.1	11	3	244	3.67	12	5	ND	1	8	.4	2	2	7	2.38	.006	2	9	.13	97	.01	2	.19	.01	.04	1	17
C 105684	1	109	2	30	.1	10	4	534	8.38	4	5	ND	1	12	.2	2	2	103	.24	.044	2	6	.78	92	.01	2	1.99	.01	.03	1	10
C 105685	5	79	4	17	.5	27	9	771	2.13	9	5	ND	4	4	.2	2	3	4	.12	.019	12	9	.03	106	.01	2	.17	.01	.10	1	48
C 105686	1	89	2	63	.3	40	13	1506	11.53	3	5	ND	1	43	.9	2	2	136	1.23	.177	2	57	.79	368	.29	2	2.44	.07	1.14	1	8
C 105687	1	45	2	51	.1	15	6	417	17.46	2	5	ND	2	10	.6	2	2	97	.57	.035	2	17	.37	173	.02	2	.92	.01	.18	1	9
C 105688	2	34	9	2	.3	5	1	29	.56	4	5	ND	1	1	.2	2	2	3	.01	.002	4	5	.02	28	.01	2	.07	.01	.02	1	14
C 105689	43	9	2	1	2.1	17	18	80	2.51	2	5	6	1	6	.2	2	3	2	.14	.009	2	10	.02	11	.01	2	.04	.01	.02	1	5355
C 105907	6	775	9	29	38.9 ✓	19	6	236	2.22	3	5	192	1	2	.2	2	69	32	.05	.003	2	8	.55	10	.01	2	.68	.01	.01	1	83300
C 105908	3	122	5	11	1.7	7	2	1391	.80	2	8	ND	1	306	.4	2	8	5	11.83	.007	2	6	.14	49	.01	3	.20	.01	.03	1	197
C 105909	3	10	2	2	.1	8	1	120	.45	2	5	ND	1	2	.2	2	2	1	.17	.001	2	7	.01	7	.01	2	.01	.01	.01	1	10
C 105910	5	2868	2	8	8.2	19	2	86	1.09	4	5	ND	1	3	.6	2	2	3	.04	.001	2	10	.05	7	.01	3	.06	.01	.01	1	64
C 105911	18	7284	2	18	36.4 ✓	8	2	221	5.67	2	5	7	1	10	1.1	2	2	20	.40	.007	2	6	.50	11	.01	2	.56	.01	.02	1	20616
C 105912	2	288	9	58	1.2	59	23	1554	6.58	11	5	ND	2	21	.4	2	2	51	.17	.079	8	37	.90	84	.02	2	1.58	.01	.12	1	49
90MSGC 101	69	548	2	8	2.1	7	23	349	14.94	3	6	ND	3	10	.2	2	3	17	.22	.040	2	6	.07	83	.01	2	.28	.01	.08	1	490
90MSGC 102	4	124	7	5	.6	15	3	463	1.49	2	5	ND	1	20	.2	2	2	1	.37	.016	2	9	.06	28	.01	4	.14	.03	.02	1	20
90MSGC 103	1	127	2	15	.1	24	5	322	1.93	2	5	ND	1	3	.2	2	2	15	.12	.017	2	8	.29	9	.01	2	.49	.01	.04	1	15
90MSGC 104	2	69	3	25	.2	16	4	187	2.14	4	5	ND	3	3	.2	2	2	35	.14	.016	4	31	.44	197	.06	3	.69	.01	.34	1	11
90MSGC 105	1	12	2	22	2.0	13	70	1160	10.23	4	5	4	2	106	1.0	2	2	15	3.85	.130	2	4	.57	13	.01	2	.82	.02	.11	1	4344
STANDARD C/AU-R	19	57	41	132	7.1	73	31	1052	3.95	42	22	7	39	52	19.0	15	22	59	.46	.098	39	61	.89	187	.07	32	1.89	.06	.13	12	496

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 12 1990
DATE REPORT MAILED: Oct. 22/90

ASSAY CERTIFICATE

Azimuth Geological FILE # 90-4966R

SAMPLE#	Ag** oz/t	Au** oz/t	
C 105689	.04	.184	
C 105907	1.06	2.488	
C 105910	.27	.002	
C 105911	1.46	.331	*
90MSGC 105	.05	.141	

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK PULP

SIGNED BY..C. Leong.. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

* Metallics assay recommended for Au.

APPENDIX D

SOIL AND SILT ANALYTICAL SHEETS

PIONEER LABORATORIES INC. 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TELEPHONE (604)522-3830

GEOCHEMICAL ANALYSIS CERTIFICATE

AZIMUTH GEOLOGICAL
Project: 9002
Sample Type: Soils

Multi-element ICP Analysis - 0.5 gram sample is digested with 3 ml of aqua regia, 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. Detection Limit for Au is 3 ppm.
Au Analysis - 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst RSam
Report No. 19900045
Date: September 30, 1990

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L3+25E 0+00S	1	169	9	143	.2	98	33	1628	6.66	6	5	ND	4	40	.2	2	2	93	.59	.086	13	129	2.04	228	.15	21	3.32	.01	.53	1	45
L3+25E 0+10S	1	121	9	130	.3	92	28	1712	6.14	2	5	ND	4	39	.2	2	2	83	.82	.080	14	120	1.93	304	.11	26	3.33	.01	.40	1	46
L3+25E 0+20S	1	193	9	114	.6	85	32	1615	5.56	6	5	ND	2	49	.2	2	2	80	1.05	.082	11	102	1.47	283	.15	23	2.94	.01	.48	1	290
L3+25E 0+30S	1	77	9	97	.3	68	23	851	5.30	4	5	ND	3	33	.2	2	2	87	.46	.044	12	100	1.72	193	.21	21	2.79	.01	.47	1	16
L3+25E 0+40S	1	93	14	115	.1	65	23	1580	4.67	3	5	ND	3	47	.2	2	2	69	.59	.069	11	84	1.34	251	.15	24	2.46	.01	.48	1	23
L3+25E 0+50S	1	133	6	133	.3	98	32	1628	5.96	6	5	ND	3	59	.2	2	2	99	1.12	.127	11	136	2.28	271	.17	24	3.44	.01	.56	1	11
L3+25E 0+10N	1	147	7	120	.4	87	25	1372	6.07	2	5	ND	3	47	.2	2	2	90	1.06	.066	13	121	2.04	151	.12	24	3.30	.01	.45	1	76
L3+25E 0+20N	3	85	9	122	.2	93	27	1092	6.60	4	5	ND	4	39	.2	2	2	94	.70	.068	12	126	2.10	138	.12	22	3.22	.01	.40	1	480
L3+25E 0+30N	1	87	11	110	.2	82	27	926	5.93	5	5	ND	3	34	.2	2	2	95	.45	.047	12	116	2.01	185	.21	21	3.02	.01	.51	1	12
L3+25E 0+40N	1	89	11	109	.4	78	29	1196	5.57	4	5	ND	2	80	.3	2	2	97	2.52	.116	11	105	2.17	184	.19	19	2.77	.01	.42	1	42
L3+25E 0+50N	1	80	11	111	.4	78	27	1116	5.58	7	5	ND	2	71	.2	2	2	97	2.04	.117	11	108	2.24	192	.19	19	2.82	.01	.45	1	23
L3+25E 0+60N	1	90	10	121	.3	86	28	1160	5.92	11	5	ND	2	68	.2	2	2	104	1.84	.114	12	122	2.40	214	.20	24	3.07	.01	.50	1	31
L3+25E 0+70N	1	93	13	124	.4	94	29	1158	6.15	10	5	ND	2	96	.2	2	2	106	3.00	.113	11	132	2.55	199	.21	12	3.25	.01	.51	1	17
L3+25E 0+80N	1	115	8	116	.2	74	35	1246	6.38	8	5	ND	3	63	.3	2	2	121	1.73	.105	10	101	2.26	212	.22	18	3.05	.02	.46	1	32
L3+50E 0+10S	1	87	7	121	.2	78	27	1113	5.71	2	5	ND	2	40	.2	2	2	91	.58	.061	12	108	1.91	195	.19	23	2.81	.01	.54	1	8
L3+50E 0+20S	1	85	15	127	.1	75	27	1413	5.59	2	5	ND	3	39	.2	2	2	91	.48	.051	13	102	1.81	239	.20	24	2.83	.01	.52	1	10
L3+50E 0+30S	3	125	12	109	.1	69	27	1597	5.22	2	5	ND	3	35	.2	2	2	79	.41	.046	12	89	1.41	246	.17	21	2.63	.01	.40	1	80
L3+50E 0+50S	2	108	8	154	.1	87	27	1522	5.23	2	5	ND	3	40	.2	2	2	76	.48	.061	12	94	1.48	256	.17	23	2.84	.01	.48	1	67
L3+50E 0+60S	2	118	11	147	.2	88	34	1963	5.48	8	5	ND	2	52	.2	2	2	83	1.07	.097	9	102	1.81	244	.15	22	2.73	.01	.35	1	30
L3+50E 0+70S	1	132	8	132	.2	105	33	1630	6.05	6	5	ND	3	41	.4	2	2	94	.64	.063	12	133	2.02	244	.18	23	3.25	.01	.53	1	39
L3+50E 0+80S	1	129	7	114	.4	95	29	1254	5.20	7	5	ND	2	53	.5	2	2	90	1.67	.092	9	122	2.17	162	.15	23	2.82	.01	.43	1	45
L3+50E 0+90S	1	125	12	118	.1	91	31	1401	5.74	2	5	ND	3	44	.2	2	2	91	.67	.068	12	127	2.00	214	.19	18	3.10	.01	.49	1	17
L3+50E 1+00S	1	87	7	117	.1	80	28	1442	5.61	2	5	ND	4	42	.2	2	2	88	.52	.054	13	105	1.82	233	.19	21	2.82	.01	.52	1	11
L3+50E 1+10S	1	81	12	110	.2	83	28	1064	5.81	2	5	ND	4	39	.2	2	2	93	.51	.048	13	114	1.96	241	.22	22	3.10	.01	.57	1	36
L3+50E 1+20S	1	59	9	102	.1	68	24	904	5.39	2	5	ND	2	40	.2	2	2	89	.50	.045	12	100	1.82	209	.24	19	2.78	.01	.46	1	25
L3+50E 1+30S	1	87	6	115	.3	74	27	1193	5.66	3	5	ND	4	41	.2	2	2	92	.53	.077	12	103	1.88	256	.19	20	2.87	.01	.61	1	15
L3+50E 1+40S	1	86	9	110	.2	76	28	1247	5.71	2	5	ND	2	43	.2	2	2	92	.89	.107	12	104	2.08	230	.19	18	2.87	.01	.57	1	17
L3+50E 1+50S	1	89	9	110	.2	79	29	1200	5.82	2	5	ND	4	44	.2	2	2	98	.55	.080	16	109	2.06	250	.21	22	3.15	.01	.64	1	32
L3+50E 1+60S	1	64	9	113	.1	61	23	1263	4.65	2	5	ND	3	40	.2	2	2	76	.55	.069	12	85	1.45	282	.18	18	2.86	.01	.59	1	10
L3+50E 1+70S	1	63	5	108	.1	55	22	1578	3.75	2	5	ND	1	53	.3	2	2	58	.89	.080	10	71	1.15	296	.10	23	2.20	.01	.40	1	7

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L3+50E 1+80S	1	109	7	134	.3	86	31	1731	5.78	4	5	ND	3	51	.2	2	2	87	.77	.122	13	109	1.84	271	.14	24	3.12	.01	.61	1	20
L3+50E 1+90S	1	79	12	115	.2	65	25	1391	4.80	2	5	ND	3	59	.2	2	2	81	.83	.102	14	86	1.62	277	.15	24	2.79	.01	.54	1	7
L3+50E 2+00S	1	77	2	108	.2	67	25	1264	4.92	2	5	ND	2	62	.2	2	2	82	.90	.111	14	92	1.79	249	.16	20	2.75	.01	.53	1	10
L3+50E 0+10N	1	122	10	133	.1	85	31	1536	5.79	2	5	ND	2	58	.2	2	2	92	1.50	.099	10	111	2.01	186	.14	24	2.95	.01	.43	1	28
L3+50E 0+20N	1	123	5	141	.1	98	33	1484	5.82	4	5	ND	2	63	.4	2	2	79	.95	.140	13	119	1.85	224	.13	23	2.90	.01	.43	1	14
L3+50E 0+30N	1	77	2	116	.1	81	27	888	5.68	2	5	ND	3	35	.2	2	2	86	.40	.074	10	108	1.87	184	.18	10	2.81	.01	.46	1	12
L3+50E 0+40N	1	94	4	122	.2	77	32	1213	6.11	2	5	ND	3	36	.2	2	2	98	.56	.078	10	104	2.06	228	.19	15	2.89	.01	.53	1	24
L3+50E 0+50N	1	86	2	129	.5	88	28	1086	5.99	5	5	ND	2	110	.2	2	2	103	3.43	.115	10	124	2.50	211	.19	20	3.18	.01	.47	1	18
L3+50E 0+60N	1	91	4	118	.5	84	27	1128	5.77	6	5	ND	2	91	.4	2	2	95	2.84	.110	9	117	2.35	216	.18	8	3.00	.01	.51	1	25
L3+50E 0+80N	1	85	2	116	.6	84	28	1119	5.62	7	5	ND	1	90	.2	2	2	93	2.79	.115	10	113	2.30	173	.17	13	2.80	.01	.48	1	24
L3+50E 0+90N	1	84	4	117	.5	82	26	1128	5.51	7	5	ND	1	83	.2	2	2	90	2.54	.121	8	112	2.24	200	.16	11	2.85	.01	.48	1	25
L3+50E 1+00N	1	78	3	135	.2	86	30	1253	5.84	5	5	ND	2	50	.2	2	5	93	.80	.108	11	117	2.12	273	.17	12	2.86	.01	.45	1	14
L3+50E 1+20N	1	159	7	127	.2	75	39	1968	5.67	8	5	ND	1	42	.3	2	2	94	1.06	.123	7	87	1.85	474	.12	22	2.72	.01	.32	1	15
L3+50E 1+70N	1	287	2	114	.3	84	43	1402	7.06	15	5	ND	1	36	.5	2	2	115	.84	.085	5	86	1.93	400	.13	21	3.12	.01	.36	1	75
L3+50E 1+80N	1	175	17	121	.3	75	41	2156	5.54	5	5	ND	1	72	.4	2	2	83	2.63	.117	5	86	1.51	404	.11	29	2.74	.01	.35	1	47
L3+50E 1+90N	1	119	7	102	.1	64	34	1735	4.58	3	5	ND	1	46	.4	2	2	70	1.00	.096	8	72	1.24	315	.14	26	3.11	.02	.44	1	23
L3+50E 2+00N	1	113	8	105	.3	73	31	1054	5.24	9	5	ND	3	26	.2	2	2	91	.52	.048	7	86	1.67	175	.18	17	3.06	.01	.16	1	4
L3+50E 2+10N	1	673	2	124	.4	82	60	1585	8.87	12	5	ND	2	56	.5	2	2	131	.77	.138	12	109	2.15	325	.14	20	4.07	.01	.64	1	54
L4+00E 0+00S	1	126	4	119	.5	89	32	1313	6.21	6	5	ND	3	49	.2	2	3	94	.68	.079	13	115	2.01	242	.17	17	3.16	.01	.60	1	42
L4+00E 0+10S	1	88	4	109	.3	87	29	987	6.05	2	5	ND	3	32	.2	2	2	98	.42	.073	11	120	2.24	207	.18	20	2.93	.01	.57	1	20
L4+00E 0+20S	1	95	6	115	.3	89	29	1084	6.21	7	5	ND	3	36	.2	2	2	103	.53	.085	12	124	2.34	238	.18	16	3.08	.01	.61	1	24
L4+00E 0+30S	1	84	2	107	.4	83	28	1223	5.70	2	5	ND	3	39	.2	2	2	95	.59	.101	12	115	2.22	237	.16	15	2.83	.01	.54	1	18
L4+00E 0+40S	1	88	2	117	.1	73	28	1452	4.95	5	5	ND	2	55	.2	2	2	80	.83	.108	11	95	1.84	307	.14	18	2.48	.01	.50	1	13
L4+00E 0+50S	1	81	11	148	.1	57	25	1755	3.66	3	5	ND	1	61	.5	2	2	54	1.62	.113	7	65	1.22	264	.09	20	1.86	.01	.24	1	12
L4+00E 0+60S	1	112	2	160	.1	90	30	2134	5.38	2	5	ND	2	55	.6	2	2	75	.76	.088	10	94	1.53	333	.14	22	2.75	.01	.49	1	83
L4+00E 0+70S	2	138	7	165	.1	121	40	2110	6.17	10	5	ND	3	40	.4	2	2	82	.63	.124	14	115	1.74	242	.13	19	2.99	.01	.48	1	57
L4+00E 0+80S	2	125	4	151	.3	103	27	1131	6.25	4	5	ND	4	36	.3	2	2	89	.46	.079	12	117	1.96	173	.14	15	3.02	.01	.55	1	80
L4+00E 0+90S	1	127	7	135	.4	89	29	1628	6.09	7	5	ND	3	37	.3	3	2	84	.56	.091	12	111	1.82	188	.10	18	2.92	.01	.48	1	380
L4+00E 0+100S	1	110	5	109	.2	82	29	1319	6.16	5	5	ND	4	36	.2	2	2	97	.47	.064	10	120	2.05	167	.16	20	3.11	.01	.49	1	63
L4+00E 1+10S	1	75	6	93	.1	71	24	1059	5.30	2	5	ND	3	32	.2	2	2	85	.42	.052	9	99	1.82	206	.17	12	2.66	.01	.59	1	63
L4+00E 1+30S	1	69	2	118	.1	60	21	1409	4.37	2	5	ND	2	43	.2	2	2	58	.47	.068	9	72	1.16	308	.12	21	2.58	.01	.47	1	24
L4+00E 1+40S	1	74	2	110	.1	66	25	1600	4.63	3	5	ND	3	49	.2	2	2	69	.54	.077	12	82	1.35	287	.13	21	2.65	.01	.58	1	8
L4+00E 1+50S	1	78	5	115	.3	73	27	1544	5.00	5	5	ND	3	43	.3	2	2	79	.59	.088	11	96	1.63	300	.14	19	2.86	.01	.60	1	7
L4+00E 1+60S	1	87	3	122	.1	84	29	1462	5.49	5	5	ND	2	42	.2	2	2	90	.65	.101	11	114	1.94	280	.14	17	2.96	.01	.65	1	21
L4+00E 1+70S	1	82	2	120	.2	77	28	1466	5.12	6	5	ND	2	41	.2	2	2	84	.61	.101	10	103	1.76	287	.13	14	2.80	.01	.62	1	33

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L4+00E 1+80S	1	86	2	109	.1	64	22	1302	4.37	2	5	ND	2	44	.6	2	2	80	.73	.113	2	88	1.60	255	.11	15	2.59	.02	.86	1	14
L4+00E 1+90S	1	72	5	120	.1	52	20	1396	3.70	2	5	ND	1	65	.2	2	2	56	1.24	.134	8	65	1.16	302	.08	26	2.26	.01	.45	1	9
L4+00E 2+00S	2	75	7	107	.1	48	20	1644	3.55	2	5	ND	1	74	.2	2	2	53	1.27	.145	9	61	1.09	320	.08	24	2.11	.01	.39	4	6
L4+00E 0+00N	1	102	2	132	.3	90	30	1202	5.99	3	5	ND	3	56	.2	2	2	95	.74	.122	12	123	2.25	277	.16	16	3.00	.01	.56	1	22
L4+00E 0+10N	1	108	5	113	.1	75	33	1296	6.06	2	5	ND	3	32	.4	2	2	103	.59	.099	9	103	2.18	199	.18	17	2.84	.01	.50	1	25
L4+00E 0+20N	1	120	9	118	.2	88	33	1301	6.35	8	5	ND	3	34	.2	2	2	103	.56	.082	10	126	2.45	213	.19	18	3.27	.01	.56	1	17
L4+00E 0+30N	1	103	2	121	.1	89	31	1117	6.39	5	5	ND	4	32	.2	2	2	102	.48	.080	10	123	2.39	209	.19	20	3.17	.01	.58	1	13
L4+00E 0+40N	1	114	2	123	.4	95	32	984	6.64	5	5	ND	3	40	.2	2	2	109	.54	.101	12	132	2.49	221	.18	20	3.34	.01	.62	1	25
L4+00E 0+60N	1	81	2	108	.3	77	26	1097	5.34	4	5	ND	1	79	.2	2	2	87	2.45	.116	8	107	2.15	184	.15	16	2.64	.01	.39	1	22
L4+00E 0+70N	1	82	3	112	.3	85	27	1128	5.55	5	5	ND	2	86	.2	2	2	90	2.72	.108	9	114	2.28	173	.16	18	2.83	.01	.47	1	36
L4+00E 0+90N	1	78	6	106	.2	80	26	1094	5.38	8	5	ND	1	86	.2	2	6	90	2.66	.116	9	109	2.18	161	.16	11	2.69	.01	.41	1	52
L4+00E 1+00N	1	72	2	105	.1	76	26	1069	5.10	8	5	ND	1	67	.3	2	2	83	1.91	.105	9	102	2.00	184	.15	18	2.46	.01	.38	1	12
L4+00E 1+10N	1	81	4	118	.2	84	28	1070	5.71	3	5	ND	3	40	.3	2	2	92	.56	.101	11	114	2.18	218	.15	21	2.74	.01	.47	1	21
L4+00E 1+20N	1	83	2	109	.3	86	27	1052	5.65	5	5	ND	3	68	.2	2	2	92	1.71	.113	10	120	2.30	194	.15	22	2.83	.01	.48	1	23
L4+00E 1+30N	1	75	2	111	.3	78	26	1142	5.24	4	5	ND	1	73	.2	2	2	86	2.07	.113	9	108	2.15	186	.14	21	2.63	.01	.38	1	8
L4+00E 1+60N	1	197	3	123	.1	75	48	1937	7.20	10	5	ND	1	37	.5	2	2	136	.87	.075	6	95	2.32	486	.15	27	3.23	.01	.50	1	61
L4+00E 1+70N	1	201	4	119	.1	76	46	1686	7.10	9	5	ND	2	30	.4	2	2	129	.82	.074	4	96	2.36	374	.13	20	3.19	.01	.43	1	17
L4+00E 1+90N	1	274	11	118	.2	89	56	2285	7.96	14	5	ND	2	25	.7	2	2	129	.62	.068	6	96	2.19	514	.16	22	3.35	.01	.44	1	36
L4+00E 2+00N	1	373	10	138	.3	109	109	2389	6.80	25	5	ND	1	42	.9	2	2	127	1.49	.112	6	83	1.92	447	.13	27	3.32	.01	.37	1	63
L4+50E 0+00S	1	98	2	119	.3	89	30	1160	5.85	3	5	ND	2	94	.2	2	2	102	2.67	.089	9	122	2.56	266	.19	14	3.19	.02	.52	1	19
L4+50E 0+10S	1	89	2	108	.2	81	29	1131	5.52	5	5	ND	3	41	.2	2	2	94	.65	.096	12	108	2.17	221	.16	21	2.66	.01	.45	1	19
L4+50E 0+20S	1	86	2	116	.3	81	29	1201	5.48	6	5	ND	3	51	.2	2	2	89	.76	.102	12	107	2.16	239	.15	22	2.70	.01	.51	1	12
L4+50E 0+30S	1	89	3	126	.2	80	30	1477	5.36	8	5	ND	1	46	.3	2	2	83	.93	.107	8	102	2.01	231	.13	22	2.66	.01	.48	1	11
L4+50E 0+40S	1	68	5	112	.1	65	24	1815	4.60	2	5	ND	2	53	.2	2	2	65	.66	.070	9	82	1.34	272	.14	20	2.54	.01	.61	1	13
L4+50E 0+50S	1	66	5	104	.1	72	25	1499	5.12	2	5	ND	2	36	.2	2	2	76	.47	.047	9	97	1.66	221	.16	20	2.64	.01	.54	1	12
L4+50E 0+60S	1	115	2	136	.3	94	31	1671	6.10	2	5	ND	2	47	.6	2	2	89	.77	.085	10	122	2.08	252	.15	21	3.21	.01	.67	1	22
L4+50E 0+70S	1	58	2	100	.1	69	25	1358	5.21	2	5	ND	4	37	.2	2	2	82	.50	.047	9	99	1.75	280	.17	21	2.69	.01	.57	1	4
L4+50E 0+80S	1	93	2	113	.1	88	29	1302	6.07	2	5	ND	2	39	.2	2	2	99	.71	.082	11	121	2.21	289	.17	21	3.18	.01	.59	1	18
L4+50E 0+90S	1	97	2	111	.3	89	29	1145	6.03	3	5	ND	3	40	.2	2	2	98	.71	.091	10	124	2.29	242	.17	16	3.17	.01	.62	1	16
L4+50E 1+00S	1	48	4	87	.2	61	21	955	4.85	2	5	ND	2	31	.2	2	2	77	.45	.037	9	92	1.67	215	.18	19	2.53	.01	.54	1	29
L4+50E 1+10S	1	62	3	142	.1	58	23	2269	4.20	2	5	ND	1	51	.2	2	2	61	.82	.094	8	78	1.23	485	.11	19	2.24	.01	.48	1	11
L4+50E 1+20S	2	81	2	119	.2	74	25	1386	5.56	2	5	ND	3	40	.2	2	2	83	.51	.068	11	102	1.75	293	.15	19	2.96	.01	.61	1	17
L4+50E 1+30S	2	50	5	92	.2	59	23	1521	4.47	2	5	ND	2	41	.2	2	2	70	.52	.044	10	84	1.42	288	.15	20	2.63	.01	.53	1	6
L4+50E 1+40S	1	90	2	111	.3	78	29	1483	5.55	2	5	ND	3	41	.2	2	2	83	.55	.070	11	104	1.83	265	.15	19	2.98	.01	.59	1	9
L4+50E 1+50S	1	112	4	122	.3	86	29	1314	6.02	5	5	ND	2	39	.2	2	2	92	.61	.095	11	118	2.11	224	.13	14	3.10	.01	.60	1	27

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L4+50E 1+60S	1	91	3	123	.3	84	28	1348	5.70	5	5	ND	1	61	.2	2	2	93	1.60	.125	10	114	2.22	262	.14	19	3.02	.01	.55	1	18
L4+50E 1+70S	1	81	2	114	.3	76	28	1430	5.31	4	5	ND	2	45	.2	2	2	85	.66	.110	13	105	1.90	282	.13	20	2.86	.01	.60	1	12
L4+50E 1+80S	1	100	3	120	.3	81	30	1688	5.65	4	5	ND	2	40	.2	2	2	84	.67	.112	11	100	1.85	239	.11	19	2.85	.01	.52	1	18
L4+50E 1+90S	2	65	8	105	.3	65	25	1508	4.79	3	5	ND	2	46	.3	2	2	74	.60	.083	11	88	1.54	311	.13	21	2.76	.01	.57	1	15
L4+50E 2+00S	1	86	2	105	.1	78	28	1424	5.58	5	5	ND	3	45	.2	2	2	90	.52	.067	13	106	1.90	273	.17	16	2.92	.01	.59	1	11
L4+50E 0+10N	1	93	5	123	.4	90	29	1183	6.13	3	5	ND	3	82	.7	2	2	104	2.60	.113	13	128	2.41	239	.20	19	3.14	.01	.47	1	23
L4+50E 0+20N	1	131	5	120	.4	80	36	1156	7.25	6	5	ND	3	46	.6	2	2	124	.89	.086	11	114	2.26	229	.24	26	3.55	.02	.56	2	13
L4+50E 0+30N	1	125	4	127	.3	89	36	1221	7.35	9	5	ND	3	42	.6	2	2	125	.71	.088	12	131	2.46	254	.24	24	3.70	.01	.61	2	28
L4+50E 0+40N	1	103	4	110	.5	85	32	1070	6.30	17	5	ND	3	45	.7	3	2	105	1.39	.102	12	118	2.26	211	.21	25	3.08	.01	.49	1	15
L4+50E 0+50N	1	101	8	118	.2	89	32	1105	6.72	6	5	ND	3	33	.6	2	2	111	.49	.067	12	131	2.34	223	.24	26	3.40	.01	.64	2	7
L4+50E 0+60N	1	114	6	128	.4	108	32	963	7.22	16	5	ND	3	40	.6	2	2	116	.59	.099	14	162	2.68	257	.21	20	3.73	.01	.61	1	15
L4+50E 0+70N	1	145	3	111	.4	74	31	802	7.17	10	5	ND	3	29	.5	2	2	120	.51	.069	11	112	2.08	206	.23	24	3.56	.01	.67	1	15
L4+50E 0+80N	1	132	4	111	.3	68	37	1096	6.68	3	5	ND	3	29	.5	2	2	113	.60	.062	9	93	1.99	214	.22	22	3.03	.01	.41	1	12
L4+50E 0+90N	1	87	3	126	.2	90	30	1159	6.11	14	5	ND	3	53	.5	2	2	101	1.37	.093	12	132	2.41	223	.20	20	3.11	.01	.50	1	12
L4+50E 1+00N	1	84	6	121	.4	95	30	1300	6.22	7	5	ND	3	65	.6	2	2	103	1.86	.113	13	138	2.49	237	.20	22	3.25	.01	.52	1	7
L4+50E 1+20N	1	84	6	113	.5	89	28	1099	5.90	12	5	ND	4	79	.5	3	2	99	2.15	.122	14	129	2.33	208	.18	27	2.93	.01	.47	1	8
L4+50E 1+30N	1	72	6	110	.3	84	27	1116	5.52	9	5	ND	3	67	.6	3	2	92	1.86	.114	13	121	2.19	210	.17	22	2.76	.01	.43	1	12
L4+50E 1+40N	1	74	8	116	.3	90	27	1077	5.67	9	5	ND	4	96	.6	2	2	97	2.67	.116	14	130	2.38	203	.17	20	2.92	.01	.47	1	45
L4+50E 1+50N	1	120	4	90	.3	55	31	840	6.64	7	5	ND	2	32	.4	2	2	114	.61	.054	6	102	1.95	226	.20	26	3.21	.01	.55	1	74
L4+50E 1+60N	1	159	3	109	.3	52	37	1746	5.46	3	5	ND	3	48	.4	3	2	90	.81	.088	7	72	1.56	616	.14	28	2.64	.01	.47	1	10
L4+50E 1+90N	1	205	5	122	.3	91	48	2005	6.94	18	5	ND	2	44	.7	4	2	122	1.09	.107	8	108	2.33	420	.12	31	3.23	.01	.46	1	18
L4+50E 2+00N	1	176	15	108	.3	54	45	1655	5.66	14	5	ND	1	35	.5	2	2	96	.86	.105	6	68	1.65	282	.11	25	2.71	.01	.29	1	11
L5+00E 0+00S	1	78	6	102	.3	78	26	1133	5.39	8	5	ND	3	108	.6	2	2	91	3.34	.109	13	111	2.18	212	.20	22	2.73	.01	.42	1	17
L5+00E 0+10S	1	71	4	102	.3	74	25	1160	5.24	8	5	ND	3	70	.4	3	2	85	1.96	.113	12	105	2.07	203	.17	21	2.66	.01	.47	1	34
L5+00E 0+20S	1	101	7	122	.3	87	30	1121	6.45	2	5	ND	3	40	.4	2	2	104	.65	.083	12	123	2.39	222	.20	23	3.48	.01	.72	1	27
L5+00E 0+30S	1	84	5	103	.3	78	28	1313	5.45	7	6	ND	3	41	.4	3	2	87	.65	.075	12	109	1.98	253	.18	25	2.90	.01	.60	1	17
L5+00E 0+40S	1	91	6	104	.3	88	28	1093	5.92	2	6	ND	3	37	.4	4	2	94	.49	.056	12	126	2.07	247	.21	22	3.34	.01	.67	2	7
L5+00E 0+50S	1	74	6	106	.2	80	28	1629	5.16	2	5	ND	2	43	.2	2	2	80	.69	.054	10	112	1.71	289	.18	25	2.84	.01	.61	1	7
L5+00E 0+60S	1	123	11	125	.4	87	30	1541	6.52	11	6	ND	3	41	.3	4	2	97	.56	.078	12	110	1.97	234	.16	26	3.20	.01	.69	1	30
L5+00E 0+70S	1	81	4	115	.3	85	29	1508	5.64	15	6	ND	3	42	.4	3	2	90	.63	.084	12	122	2.06	276	.16	23	2.93	.01	.67	1	15
L5+00E 0+80S	1	105	4	127	.3	95	31	1557	6.20	14	5	ND	3	42	.4	2	2	97	.70	.090	12	132	2.20	281	.17	24	3.33	.01	.65	1	17
L5+00E 0+90S	1	86	5	118	.4	86	29	1399	5.68	11	5	ND	3	39	.2	4	2	91	.58	.072	12	122	2.07	268	.17	23	3.04	.01	.61	1	9
L5+00E 1+00S	1	74	9	116	.3	52	25	2488	3.96	5	5	ND	2	51	.6	2	2	56	.85	.090	9	68	1.26	369	.11	28	2.04	.01	.46	1	6
L5+00E 1+10S	1	105	9	251	.2	53	25	3710	3.30	15	5	ND	2	88	.9	2	2	44	1.69	.155	7	57	.95	600	.08	28	1.78	.01	.36	1	3
L5+00E 1+20S	1	72	8	106	.3	79	26	1309	5.30	5	10	ND	3	45	.3	2	2	85	.73	.064	13	115	1.92	288	.17	23	2.84	.01	.60	1	8

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L5+00E 1+30S	1	85	5	117	.3	88	30	1437	5.83	8	8	ND	3	44	.2	2	2	95	.73	.100	13	127	2.15	287	.17	24	3.10	.01	.60	1	29
L5+00E 1+40S	1	74	7	120	.4	83	27	1359	5.33	8	5	ND	3	45	.4	4	2	89	.77	.094	13	119	2.01	278	.15	28	2.96	.01	.62	1	6
L5+00E 1+50S	1	72	8	116	.5	80	27	1380	5.34	9	5	ND	2	48	.3	2	2	88	.61	.096	13	117	1.91	281	.14	27	2.92	.01	.57	1	8
L5+00E 1+60S	1	79	5	115	.5	79	26	1388	5.21	11	5	ND	3	46	.2	2	2	85	.65	.101	13	113	1.87	282	.14	26	2.86	.01	.59	1	12
L5+00E 1+70S	1	74	9	118	.4	83	28	1431	5.45	13	5	ND	2	45	.4	2	2	89	.61	.102	13	119	1.94	282	.13	23	2.92	.01	.58	2	18
L5+00E 1+80S	1	73	3	119	.2	70	25	1478	4.85	7	5	ND	1	46	1.1	2	2	74	.69	.107	11	98	1.74	282	.11	18	2.63	.01	.53	1	27
L5+00E 1+90S	1	87	5	133	.4	78	27	1808	5.20	9	5	ND	2	47	1.1	2	2	78	.67	.113	11	102	1.77	305	.11	15	2.78	.01	.55	1	18
L5+00E 2+00S	1	92	5	125	.3	71	25	1682	5.06	4	5	ND	1	44	.7	2	2	70	.73	.096	10	87	1.65	264	.11	17	2.70	.01	.52	1	30
L5+00E 0+10N	1	70	6	101	.3	69	23	1084	4.91	4	5	ND	1	85	.8	2	2	80	3.13	.111	9	96	2.15	178	.17	16	2.56	.01	.37	1	15
L5+00E 0+20N	1	70	7	110	.2	76	25	924	5.43	3	5	ND	2	33	.6	2	2	85	.71	.072	10	107	2.20	179	.20	16	2.76	.01	.35	1	7
L5+00E 0+30N	1	111	10	147	.1	87	27	1175	6.20	3	5	ND	2	37	1.0	2	2	85	.55	.078	11	116	2.08	229	.17	14	3.23	.01	.55	1	18
L5+00E 0+40N	1	112	2	120	.4	90	29	909	6.42	2	5	ND	1	40	1.0	2	2	97	.84	.096	11	129	2.48	206	.18	15	3.30	.01	.59	1	10
L5+00E 0+50N	1	121	2	122	.5	81	29	789	6.59	4	5	ND	2	29	1.3	2	2	106	.51	.064	9	120	2.38	209	.21	12	3.38	.01	.57	1	10
L5+00E 0+60N	1	144	2	127	.3	92	32	988	7.31	7	5	ND	3	31	1.0	2	2	119	.55	.066	11	139	2.63	209	.22	15	3.91	.01	.63	1	22
L5+00E 0+70N	1	118	6	101	.2	70	28	648	5.71	2	5	ND	2	23	.6	2	2	83	.46	.043	7	87	1.81	142	.19	14	2.73	.01	.35	1	23
L5+00E 1+00N	1	171	2	117	.5	58	45	1294	7.29	9	5	ND	1	39	.7	2	3	119	.90	.089	4	71	1.87	220	.19	17	3.05	.02	.44	1	34
L5+00E 1+10N	1	119	2	117	.4	74	35	1270	6.29	6	5	ND	2	48	1.0	2	2	106	1.66	.100	8	103	2.37	181	.20	16	3.11	.01	.46	1	14
L5+00E 1+30N	1	120	2	111	.5	80	33	890	6.78	4	5	ND	2	34	.7	2	2	120	.89	.059	6	124	2.68	160	.21	15	3.35	.01	.41	1	47
L5+00E 1+40N	1	67	2	101	.3	76	26	793	5.54	2	5	ND	2	29	1.1	2	2	84	.47	.080	11	106	2.22	168	.20	15	2.71	.01	.43	1	7
L5+00E 1+80N	1	170	4	103	.4	55	35	1073	6.82	7	5	ND	2	24	1.1	2	2	109	.65	.075	5	83	1.89	229	.20	21	3.17	.01	.61	1	19
L5+00E 1+90N	1	134	2	102	.4	52	29	1056	6.30	2	5	ND	2	29	1.2	2	2	112	.72	.057	4	92	2.16	211	.18	20	3.28	.01	.59	1	28
L5+00E 2+00N	1	116	8	122	.3	61	30	1516	5.68	4	5	ND	2	38	1.0	2	2	92	.82	.120	7	104	2.09	279	.14	22	3.32	.01	.43	1	12
L5+00E 2+10N	1	90	2	113	.3	39	23	1547	5.63	2	5	ND	2	41	1.0	2	2	104	.72	.098	5	59	2.25	374	.17	21	2.99	.01	1.08	1	5
L5+00E 2+20N	1	119	7	110	.4	42	27	1413	5.57	2	5	ND	1	37	1.2	2	2	107	.81	.082	4	72	2.11	339	.17	13	2.88	.01	.94	1	16
L5+00E 2+30N	1	146	7	111	.2	43	28	1791	6.13	2	5	ND	1	38	1.0	2	2	128	1.09	.071	5	71	2.13	413	.18	18	3.15	.01	.80	1	21
L5+00E 2+40N	1	175	2	83	.5	51	30	1317	5.42	2	6	ND	2	28	.8	2	2	94	.59	.036	7	73	1.52	215	.18	16	3.09	.01	.36	1	16
L5+00E 2+50N	1	131	3	92	.3	67	29	1569	5.72	2	7	ND	2	25	.6	2	2	99	.54	.022	8	109	2.04	262	.18	17	3.29	.01	.43	1	13
L5+00E 2+60N	1	302	11	130	.6	101	45	2208	7.12	11	5	ND	2	35	.7	2	2	117	.77	.054	8	81	1.99	507	.15	15	3.25	.01	.37	1	37
L5+00E 2+70N	1	197	9	115	.4	87	45	2563	6.29	11	5	ND	2	48	.9	2	6	101	1.32	.056	9	100	2.09	402	.15	23	3.27	.01	.46	1	40
L5+50E 0+00S	1	81	4	115	.4	81	26	1203	5.61	6	5	ND	2	83	.7	2	2	86	3.01	.115	10	111	2.47	178	.18	14	3.00	.01	.51	1	15
L5+50E 0+10S	1	76	2	111	.4	78	25	1169	5.31	2	5	ND	2	61	.8	2	2	78	1.76	.111	9	104	2.26	175	.15	18	2.73	.01	.47	1	21
L5+50E 0+30S	1	98	5	137	.3	69	26	1303	5.79	9	5	ND	2	40	.6	2	2	87	.67	.096	7	78	1.76	272	.14	18	2.68	.01	.54	1	14
L5+50E 0+40S	1	111	9	142	.3	68	30	2070	4.81	10	5	ND	3	36	.9	3	2	62	.70	.093	8	63	1.29	297	.12	15	2.30	.01	.31	1	15
L5+50E 0+50S	1	67	2	100	.3	67	24	1421	5.08	2	5	ND	2	34	.9	2	2	74	.55	.042	10	93	1.75	269	.18	15	2.71	.01	.64	1	5
L5+50E 0+60S	1	94	2	110	.5	79	28	1212	5.59	3	5	ND	2	33	1.0	2	2	84	.59	.062	10	107	2.09	254	.18	19	3.09	.01	.73	1	4

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L5+50E 0+70S	1	129	2	119	.4	114	32	1266	5.95	2	5	ND	1	34	1.0	2	2	92	.67	.073	8	142	2.37	265	.19	14	3.32	.01	.70	1	9
L5+50E 0+80S	1	115	2	121	.5	102	31	1370	5.78	2	5	ND	2	39	.8	2	2	88	.72	.091	9	131	2.32	267	.17	19	3.20	.01	.70	1	12
L5+50E 0+90S	1	66	7	93	.3	67	24	1286	4.85	2	5	ND	2	30	.6	2	2	72	.51	.040	10	91	1.73	228	.18	14	2.63	.01	.62	1	2
L5+50E 1+00S	1	77	3	101	.4	71	26	1181	5.24	3	5	ND	2	35	.7	2	2	81	.63	.059	10	96	1.98	266	.17	14	2.99	.01	.59	1	42
L5+50E 1+10S	1	84	9	111	.6	85	27	1221	5.58	6	5	ND	2	38	.8	2	2	87	1.00	.079	10	116	2.34	219	.16	14	2.99	.01	.53	1	23
L5+50E 1+20S	1	78	8	132	.2	41	20	2310	3.05	9	5	ND	1	75	.7	2	2	41	1.75	.112	4	50	.81	352	.06	21	1.63	.01	.30	1	6
L5+50E 1+30S	1	87	11	119	.4	88	27	1293	5.81	11	5	ND	2	45	.9	2	2	94	1.24	.096	9	127	2.38	212	.15	16	3.16	.01	.53	2	14
L5+50E 1+40S	1	93	7	115	.3	92	29	1352	6.10	10	5	ND	1	33	1.2	2	2	98	.81	.068	10	130	2.40	224	.17	15	3.31	.01	.56	3	13
L5+50E 1+50S	1	122	9	253	.3	56	24	4151	3.75	16	5	ND	1	96	1.8	2	2	49	1.61	.133	8	60	.58	695	.09	22	2.03	.01	.38	1	9
L5+50E 1+60S	1	35	7	97	.3	44	15	1302	3.39	3	5	ND	2	36	.7	2	2	46	.47	.075	6	60	.92	331	.11	18	2.02	.02	.30	1	7
L5+50E 1+70S	1	66	6	103	.3	68	23	989	5.16	5	5	ND	2	35	.9	2	2	76	.52	.072	9	95	1.79	241	.17	14	2.85	.01	.51	1	22
L5+50E 1+80S	1	91	8	106	.6	80	26	1140	5.51	7	5	ND	2	47	.4	2	2	88	1.11	.097	10	113	2.17	240	.15	14	3.07	.01	.49	1	16
L5+50E 1+90S	1	87	8	109	.3	76	26	1211	5.62	9	5	ND	2	38	.6	2	2	90	.59	.079	13	107	2.13	237	.17	16	3.07	.01	.55	2	9
L5+50E 2+00S	1	72	9	100	.6	68	24	1420	5.03	6	5	ND	2	46	1.3	2	2	76	.72	.085	10	93	1.83	246	.13	15	2.73	.01	.53	1	7
L5+50E 0+20N	1	92	3	112	.5	85	27	951	6.33	9	5	ND	3	31	.7	2	2	95	.49	.087	11	116	2.38	206	.17	15	3.16	.01	.58	1	17
L5+50E 0+30N	1	79	3	106	.3	76	24	733	5.81	4	6	ND	2	30	.8	2	2	85	.48	.058	9	105	2.12	194	.18	13	2.93	.01	.51	1	90
L5+50E 0+40N	1	79	8	104	.3	79	25	849	5.77	8	5	ND	3	27	.9	2	2	85	.43	.045	10	105	2.06	195	.19	17	2.96	.01	.53	1	5
L5+50E 0+50N	1	108	9	142	.3	97	31	1269	6.80	9	5	ND	3	40	1.4	2	2	104	.72	.096	10	135	2.64	233	.19	14	3.68	.01	.63	1	8
L5+50E 1+30N	1	134	12	112	2.4	56	38	1209	6.10	7	5	4	3	29	1.0	2	2	99	.61	.058	7	67	1.53	226	.19	17	3.18	.01	.39	1	3
L5+50E 1+40N	1	154	5	104	.4	53	40	1129	6.16	9	5	ND	2	25	.9	2	2	100	.62	.058	6	58	1.43	215	.18	15	3.07	.02	.25	1	13
L5+50E 1+60N	1	228	13	116	.4	60	40	1686	5.87	6	5	ND	2	33	1.1	2	2	91	.82	.067	6	82	1.64	245	.17	15	3.11	.01	.41	2	31
L5+50E 1+70N	1	89	3	72	.4	40	24	654	4.56	2	5	ND	3	27	.3	2	2	64	.49	.029	7	49	1.04	166	.18	18	3.19	.02	.32	1	6
L5+50E 1+80N	1	95	11	113	.3	41	31	1728	4.84	7	5	ND	2	35	1.3	2	2	70	.71	.058	7	47	.94	253	.16	19	3.16	.02	.33	1	6
L5+50E 1+90N	1	148	9	84	.4	49	27	936	5.29	2	5	ND	2	23	.7	2	2	83	.48	.042	6	67	1.53	151	.17	15	2.86	.01	.39	2	22
L5+50E 2+00N	1	125	3	109	.5	47	32	1308	5.81	2	5	ND	1	29	.7	2	2	97	.82	.056	4	92	1.67	306	.18	16	3.00	.01	.50	1	13
L5+50E 2+10N	1	158	10	84	2.2	72	29	764	5.82	2	5	ND	1	30	.9	2	2	109	1.34	.063	3	139	2.75	158	.14	17	3.67	.01	.24	2	75
L5+50E 2+20N	1	89	7	87	.5	43	23	946	5.33	2	5	ND	1	28	.7	2	2	97	.84	.036	5	75	1.61	224	.18	20	3.15	.01	.52	1	21
L5+50E 2+30N	1	78	6	82	.3	41	23	1028	4.59	2	5	ND	2	28	1.3	2	2	81	.53	.027	6	67	1.34	202	.20	17	2.84	.02	.40	1	9
L5+50E 2+40N	1	78	2	82	.4	42	22	1092	4.45	3	5	ND	2	26	.5	2	2	74	.54	.025	7	70	1.30	214	.19	16	2.91	.02	.37	1	10
L5+50E 2+50N	1	104	11	91	.5	43	21	760	5.24	3	5	ND	2	30	.6	2	2	100	.79	.041	7	63	1.68	222	.19	18	3.21	.02	.32	1	10
L5+50E 2+60N	1	73	7	84	.4	41	22	677	4.32	2	5	ND	2	31	.8	2	2	71	.68	.035	6	64	1.28	169	.19	17	2.72	.01	.38	1	8
L5+50E 2+70N	1	72	3	70	.5	34	16	484	3.64	2	5	ND	2	26	.5	2	2	53	.46	.037	6	48	.99	189	.14	17	2.56	.03	.24	1	50
L6+00E 0+40S	1	61	10	111	.3	50	19	1162	4.34	2	5	ND	2	30	.8	2	2	53	.57	.038	6	58	1.10	204	.14	16	2.62	.01	.42	1	5
L6+00E 0+70S	1	40	11	97	.4	36	14	1460	3.44	2	5	ND	1	43	.5	2	2	46	.64	.066	5	49	.87	224	.11	19	1.86	.02	.34	1	20
L6+00E 0+90S	1	62	12	99	.3	58	19	1158	4.47	2	5	ND	2	35	.6	2	2	54	.44	.046	9	68	1.25	202	.15	19	2.74	.01	.53	1	5

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L6+00E 1+00S	1	94	7	118	.4	79	26	1698	5.61	8	5	ND	3	36	.9	2	2	74	.44	.057	12	91	1.69	243	.16	19	3.12	.01	.69	1	33
L6+00E 1+10S	1	73	11	112	.4	65	24	1896	4.83	6	5	ND	2	41	.6	2	2	63	.56	.066	11	76	1.37	256	.14	20	2.88	.01	.56	2	5
L6+00E 1+20S	1	75	2	130	.3	75	26	1857	5.26	10	5	ND	2	41	1.1	2	2	74	.64	.105	11	92	1.76	254	.12	14	2.75	.01	.64	1	42
L6+00E 1+30S	1	84	6	121	.5	74	27	1778	5.65	4	5	ND	3	43	1.0	2	2	80	.65	.115	11	97	1.91	238	.13	19	2.92	.01	.64	2	20
L6+00E 1+40S	1	84	11	114	.6	78	27	1579	5.71	7	5	ND	3	42	.6	2	2	79	.66	.096	12	98	1.97	231	.13	14	2.96	.01	.65	1	37
L6+00E 1+50S	1	61	4	96	.3	63	23	1501	4.90	2	5	ND	3	33	1.2	2	2	68	.46	.055	10	84	1.55	214	.14	18	2.63	.01	.62	1	18
L6+00E 1+60S	1	94	5	114	.4	74	25	2271	4.82	7	5	ND	2	42	1.0	2	2	58	.58	.078	12	73	1.18	244	.12	15	2.67	.01	.45	1	38
L6+00E 1+70S	1	108	3	137	.4	67	29	2526	4.97	7	5	ND	2	58	1.5	2	2	62	.88	.093	10	76	1.29	401	.11	22	2.71	.01	.56	1	48
L6+00E 1+80S	1	79	6	117	.3	70	24	2218	3.98	7	5	ND	1	64	1.6	2	2	51	.87	.091	8	90	1.11	327	.09	24	2.38	.01	.49	1	10
L6+00E 1+90S	1	80	7	110	.4	67	25	1812	4.70	6	5	ND	2	51	.9	2	2	67	.68	.081	10	84	1.50	253	.13	19	2.66	.01	.57	1	8
L6+00E 2+00S	1	56	5	78	.2	47	18	1770	3.37	5	5	ND	1	52	.7	2	2	47	.81	.074	8	59	.93	272	.09	18	2.03	.01	.34	1	5
L6+00E 1+60N	1	133	7	106	.4	47	37	1855	5.22	2	5	ND	3	30	1.2	2	2	76	.60	.056	8	52	1.00	277	.16	22	2.85	.02	.33	1	7
L6+00E 1+70N	1	123	7	106	.4	48	41	1826	5.61	4	5	ND	2	27	1.2	2	2	86	.54	.073	8	49	1.06	257	.15	22	2.71	.01	.37	1	20
L6+00E 1+80N	1	176	4	109	.3	57	58	1919	5.84	7	5	ND	2	26	1.1	2	2	81	.61	.073	7	45	.91	197	.14	19	2.67	.01	.20	1	7
L6+00E 1+90N	1	132	5	82	.5	39	37	1141	5.48	2	5	ND	2	25	.9	2	2	93	.56	.033	7	40	1.18	207	.19	17	3.08	.02	.24	1	6
L6+00E 2+00N	1	133	2	110	.3	44	42	1324	5.81	6	5	ND	1	29	.8	2	2	101	.73	.073	6	43	1.29	217	.15	20	2.88	.02	.26	1	6
L6+50E 0+40S	1	67	6	144	.3	48	18	2079	4.18	6	5	ND	2	44	1.0	2	2	50	.68	.063	7	52	.80	251	.10	23	2.14	.02	.42	1	9
L6+50E 0+50S	1	81	7	119	.3	61	19	1282	5.12	2	5	ND	3	35	.4	2	2	62	.36	.049	9	69	1.34	170	.16	18	2.53	.01	.57	1	4
L6+50E 0+60S	1	105	3	129	.4	76	22	1090	5.44	5	5	ND	3	44	1.1	2	2	70	.49	.062	9	81	1.54	230	.17	22	3.16	.02	.53	1	40
L6+50E 0+70S	1	107	6	138	.5	81	22	938	5.44	3	5	ND	4	37	1.1	2	2	64	.43	.056	11	82	1.60	137	.17	23	2.76	.01	.56	1	8
L6+50E 0+80S	1	125	8	134	.7	80	20	1085	5.60	7	5	ND	4	43	.5	2	2	62	.47	.058	11	83	1.52	97	.15	21	2.64	.01	.55	1	22
L6+50E 0+90S	1	65	9	110	.3	52	16	1144	4.50	2	5	ND	3	34	.9	2	2	50	.57	.036	9	55	1.08	120	.15	22	2.53	.02	.47	1	8
L6+50E 1+00S	1	77	4	119	.4	59	16	967	4.36	3	5	ND	3	35	.6	2	2	47	.45	.050	9	52	.96	130	.13	26	2.71	.02	.41	1	16
L6+50E 1+10S	1	97	9	132	.6	62	18	834	5.18	5	5	ND	3	39	.9	2	2	52	.47	.048	9	59	1.10	99	.14	22	2.78	.02	.49	1	13
L6+50E 1+20S	1	64	2	96	.3	51	21	1574	4.30	2	5	ND	3	35	.7	2	2	52	.54	.057	8	54	1.04	214	.14	17	2.79	.02	.42	1	14
L6+50E 1+30S	1	90	2	111	.3	84	27	1480	6.08	6	5	ND	2	40	1.3	2	2	84	.46	.062	13	108	2.09	188	.16	19	2.97	.01	.74	1	6
L6+50E 1+40S	1	111	10	122	.3	87	32	1936	6.65	10	5	ND	3	33	1.0	2	2	77	.47	.073	11	97	2.00	128	.10	15	3.00	.01	.55	1	16
L6+50E 1+50S	1	90	2	118	.5	85	29	1538	6.27	6	5	ND	3	39	1.0	2	2	86	.67	.072	13	111	2.19	190	.17	18	3.09	.01	.74	1	14
L6+50E 1+60S	1	81	3	101	.3	51	24	1539	4.16	2	5	ND	2	46	.9	2	2	54	.77	.054	7	56	1.14	227	.13	24	2.45	.02	.41	1	8
L6+50E 1+70S	1	65	6	97	.4	57	18	1125	3.66	5	5	ND	2	40	.6	2	2	45	.57	.112	8	51	.99	239	.11	22	2.53	.02	.33	1	10
L6+50E 1+80S	1	71	2	100	.5	62	21	1531	4.54	4	5	ND	2	35	.8	2	2	57	.52	.058	10	68	1.26	228	.12	22	2.58	.01	.53	1	19
L6+50E 1+90S	1	53	7	86	.2	57	20	1754	4.10	2	5	ND	2	49	.5	2	2	55	.59	.056	9	74	1.15	262	.13	19	2.46	.01	.54	1	67
L6+50E 2+00S	1	121	10	121	.6	109	27	1259	5.91	22	5	ND	2	43	.6	2	2	75	.56	.083	9	184	1.96	168	.11	19	3.16	.01	.58	1	680
L6+50E 0+00N	1	124	4	129	.3	82	26	935	6.44	19	5	ND	3	23	.6	2	2	96	.41	.087	7	86	1.91	202	.15	17	2.85	.01	.60	1	63
L6+50E 0+40N	1	105	2	117	.3	118	34	1034	5.54	3	5	ND	2	27	.7	2	2	65	.48	.049	7	120	2.14	128	.16	17	2.89	.01	.24	1	38

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L6+50E 0+50N	1	115	2	103	.5	85	29	786	5.58	3	5	ND	3	35	.6	2	2	82	.65	.081	7	106	2.15	128	.16	18	2.81	.01	.51	1	60
L6+50E 0+60N	1	103	2	96	.4	84	28	1207	5.19	2	5	ND	2	33	.7	2	2	70	.53	.045	8	106	1.87	165	.17	18	2.86	.01	.50	1	64
L6+50E 0+70N	1	98	2	106	.3	82	25	618	5.35	2	5	ND	2	38	.7	2	2	70	.57	.091	7	113	1.98	159	.18	21	3.07	.01	.61	1	6
L6+50E 0+80N	1	89	3	98	.1	50	23	1351	4.64	2	5	ND	3	34	.8	2	2	64	.60	.047	9	61	1.13	233	.16	22	2.84	.01	.39	1	4
L6+50E 0+90N	1	117	4	90	.3	51	26	1457	4.95	4	5	ND	2	29	1.3	2	2	72	.55	.045	8	61	1.21	207	.13	20	2.53	.01	.36	1	12
L6+50E 1+00N	1	103	6	99	.1	61	22	1007	5.00	5	5	ND	3	31	.6	2	2	69	.51	.042	9	71	1.32	187	.17	15	2.95	.01	.31	1	17
L6+50E 1+10N	1	105	4	110	.1	71	28	1774	5.30	7	5	ND	3	31	1.1	2	2	70	.57	.038	9	77	1.29	219	.16	14	2.83	.01	.33	1	26
L6+50E 1+20N	1	203	5	115	.7	58	29	1286	6.84	14	5	ND	2	27	1.4	2	2	100	.79	.067	7	67	1.50	227	.11	13	3.13	.01	.25	1	20
L6+50E 1+30N	1	142	10	68	.6	42	18	754	4.98	5	10	ND	3	29	.8	2	2	69	.65	.035	9	51	1.06	242	.13	13	3.04	.02	.19	1	92
L6+50E 1+40N	1	193	4	102	.2	44	37	1521	5.40	10	5	ND	2	23	.9	2	2	92	.65	.041	5	51	1.40	226	.18	14	3.00	.01	.25	1	21
L6+50E 1+70N	1	212	3	127	.1	63	41	2126	5.36	10	5	ND	1	30	1.2	2	2	85	.66	.047	7	65	1.26	386	.16	11	3.06	.02	.20	1	7
L6+50E 1+80N	1	173	7	80	.3	50	26	567	5.72	2	5	ND	3	25	.6	2	2	99	.65	.039	6	61	1.47	269	.26	14	2.97	.01	.31	1	10
L6+50E 1+90N	1	208	5	113	.3	58	33	1771	5.60	7	5	ND	2	30	1.0	2	2	70	.67	.066	6	72	1.09	464	.13	19	2.49	.01	.28	1	9
L6+50E 2+00N	1	61	10	86	.2	47	19	1058	4.07	4	5	ND	2	29	.6	2	2	61	.47	.039	8	59	1.08	288	.17	19	2.72	.02	.33	1	10
L7+00E 0+40S	1	97	9	108	.1	54	27	1382	5.03	6	5	ND	2	32	1.1	2	2	82	.74	.061	7	62	1.69	290	.16	21	3.07	.02	.37	1	3
L7+00E 0+50S	1	90	8	110	.2	80	21	978	5.34	6	5	ND	4	21	.4	2	2	75	.40	.058	10	85	1.72	333	.12	15	2.59	.01	.52	1	15
L7+00E 0+60S	1	79	5	94	.4	62	19	774	5.01	2	5	ND	2	32	.9	2	2	64	.59	.064	9	76	1.48	234	.16	15	2.69	.01	.45	1	15
L7+00E 0+70S	1	66	12	80	.1	42	16	838	3.83	3	5	ND	2	28	.7	2	2	47	.61	.054	7	49	.90	183	.14	19	2.57	.02	.40	1	23
L7+00E 0+90S	1	119	2	95	.3	44	26	446	4.39	2	5	ND	2	25	.6	2	2	63	.49	.040	4	41	1.30	162	.18	15	2.80	.02	.23	1	33
L7+00E 1+00S	1	82	9	92	.2	48	22	666	4.16	2	5	ND	2	27	.8	2	2	57	.47	.042	6	49	1.25	165	.17	17	2.89	.02	.31	1	7
L7+00E 1+30S	1	72	18	101	.1	61	24	1259	5.13	4	5	ND	2	34	.5	2	2	70	.54	.060	9	85	1.74	178	.20	15	2.71	.01	.57	1	5
L7+00E 1+40S	1	110	2	122	.6	91	24	956	6.79	14	5	ND	3	28	.9	2	2	88	.42	.065	10	119	2.25	108	.20	20	3.39	.01	.72	1	28
L7+00E 1+50S	1	119	10	137	.4	73	33	1200	5.38	10	5	ND	3	30	.6	2	2	72	.47	.081	8	71	1.75	159	.13	16	2.74	.02	.23	1	78
L7+00E 1+70S	1	53	12	108	.2	56	17	921	4.64	4	5	ND	3	26	.3	2	2	55	.37	.043	9	70	1.36	176	.16	19	2.38	.01	.47	1	3
L7+00E 1+80S	1	110	11	168	.2	89	26	1953	5.03	10	5	ND	3	40	.7	2	2	62	.56	.098	9	74	1.30	393	.11	16	2.62	.02	.25	1	38
L7+00E 2+00S	1	49	4	93	.3	59	18	601	4.69	6	5	ND	2	25	.8	2	2	65	.38	.034	8	81	1.65	161	.22	14	2.68	.01	.51	1	260
L7+00E 0+20N	1	151	13	132	.2	117	39	1758	6.09	6	5	ND	1	50	1.2	2	2	55	.92	.102	14	103	1.59	204	.09	18	2.73	.01	.28	1	26
L7+00E 0+80N	1	131	8	148	.1	84	41	3450	4.61	7	5	ND	1	82	1.3	2	2	58	1.44	.147	8	72	1.21	381	.10	24	2.76	.01	.24	1	27
L7+00E 1+00N	1	105	2	123	.4	128	36	1322	5.72	7	5	ND	2	52	1.1	2	2	67	.76	.092	7	130	2.13	217	.20	14	3.23	.01	.44	1	6
L7+00E 1+10N	1	76	2	97	.3	81	25	923	4.36	2	5	ND	2	33	1.0	2	2	65	.59	.038	8	91	1.41	232	.19	13	3.22	.02	.25	1	9
L7+00E 1+20N	1	82	3	89	.5	86	26	1177	4.55	2	5	ND	3	40	.6	2	2	61	.63	.048	7	99	1.69	187	.20	12	3.06	.01	.27	1	5
L7+00E 1+30N	1	80	9	96	.4	101	28	1182	4.85	2	5	ND	2	33	.7	2	2	66	.49	.036	8	124	1.80	193	.18	14	3.18	.01	.33	1	6
L7+00E 1+40N	1	68	7	101	.3	86	27	1589	4.40	2	5	ND	2	44	.7	2	2	62	.67	.050	7	103	1.44	266	.20	15	3.13	.02	.22	1	3
L7+00E 1+50N	1	92	10	107	.5	94	29	1182	4.56	6	8	ND	3	42	1.1	2	2	68	.63	.065	9	110	1.40	251	.19	13	3.61	.02	.26	2	7
L7+00E 1+60N	1	119	9	134	.3	130	36	1803	5.34	3	5	ND	1	41	.8	2	2	66	.64	.067	7	131	1.97	225	.19	14	3.23	.01	.25	1	86

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L7+00E 1+70N	1	49	7	124	.3	48	21	1522	3.80	2	5	ND	2	33	.7	2	2	57	.52	.072	6	53	.94	347	.15	17	2.65	.02	.30	1	2
L7+00E 1+80N	1	52	13	98	.2	49	20	1183	3.85	2	5	ND	2	36	.5	2	2	61	.57	.049	7	58	1.10	290	.17	19	2.72	.02	.38	2	10
L7+00E 2+00N	1	57	5	107	.1	49	20	1445	4.10	2	5	ND	1	33	.5	2	2	63	.49	.050	7	57	1.13	357	.17	19	2.96	.02	.37	2	4
L7+50E 0+10S	1	120	12	122	.3	96	35	1457	5.85	10	5	ND	2	25	.9	2	2	93	.61	.052	7	110	1.91	162	.21	16	3.26	.01	.21	1	4
L7+50E 0+20S	12	783	5	166	.6	99	48	1448	13.03	36	5	ND	2	25	1.9	2	2	177	.99	.547	4	100	1.31	411	.17	14	3.53	.01	.73	1	78
L7+50E 0+30S	1	141	2	112	.3	68	33	1184	6.21	3	5	ND	2	34	.7	2	2	113	.54	.077	7	98	2.06	246	.18	13	3.10	.01	.61	1	7
L7+50E 0+40S	1	225	7	111	.2	48	42	822	6.89	2	5	ND	1	28	1.2	2	2	133	.59	.060	3	46	2.20	186	.27	13	3.47	.01	.49	1	22
L7+50E 0+50S	1	108	7	99	.3	65	26	598	5.46	3	5	ND	3	27	1.1	2	2	88	.45	.040	8	81	1.82	183	.19	12	3.01	.01	.34	1	1
L7+50E 0+60S	1	83	12	145	.2	69	28	1823	4.66	2	5	ND	3	34	.7	2	2	63	.51	.086	8	61	1.19	326	.14	18	2.83	.02	.27	1	1
L7+50E 0+70S	1	42	2	112	.1	52	19	2750	3.37	2	5	ND	2	41	.5	2	2	43	.59	.043	6	51	.61	383	.11	19	2.01	.02	.28	1	15
L7+50E 0+80S	1	86	9	136	.2	71	26	2465	4.79	4	5	ND	3	39	1.0	2	2	70	.56	.052	9	72	1.20	357	.15	16	2.64	.01	.43	1	9
L7+50E 0+90S	1	85	5	122	.3	74	23	1828	4.88	2	5	ND	3	38	.9	2	2	61	.52	.065	9	69	1.13	283	.12	16	2.62	.01	.39	1	9
L7+50E 1+00S	1	117	10	107	.3	80	26	1268	5.13	3	5	ND	3	33	.8	2	2	65	.47	.049	11	77	1.35	242	.15	16	2.85	.02	.32	1	310
L7+50E 1+10S	1	94	2	93	.4	78	19	798	4.44	8	9	ND	3	37	.5	2	2	59	.53	.028	10	69	1.21	222	.15	19	2.95	.02	.28	1	83
L7+50E 1+20S	1	76	14	153	.4	59	18	2709	3.60	11	5	ND	2	70	1.3	2	2	44	.71	.077	8	51	.59	362	.10	22	2.32	.03	.35	1	4
L7+50E 1+30S	1	80	13	114	.4	71	18	1427	4.29	7	5	ND	3	40	.7	2	2	49	.43	.048	8	58	.91	229	.12	19	2.55	.02	.31	1	5
L7+50E 1+40S	4	178	18	131	.8	104	23	1690	5.72	8	5	ND	4	44	1.2	2	2	60	.90	.048	20	80	1.65	145	.10	13	3.20	.01	.36	1	50
L7+50E 1+50S	2	132	7	145	.3	112	25	1040	5.97	19	5	ND	3	31	.9	2	2	68	.40	.078	8	86	1.55	231	.13	17	2.95	.01	.33	1	19
L7+50E 1+60S	1	186	3	145	.3	109	31	1427	6.08	9	5	ND	3	25	1.1	2	2	95	.45	.066	10	93	1.97	475	.19	13	3.13	.01	.56	1	12
L7+50E 1+70S	1	189	6	100	.3	100	24	771	4.41	6	5	ND	3	25	.6	2	2	57	.34	.076	7	64	1.22	274	.13	21	3.07	.03	.26	1	6
L7+50E 1+80S	1	173	5	148	.4	118	30	994	5.88	9	5	ND	3	20	1.4	2	2	92	.33	.068	8	109	2.10	281	.17	15	3.23	.01	.48	1	39
L7+50E 1+90S	1	163	4	164	.7	109	30	1282	5.71	8	5	ND	3	27	1.3	2	2	88	.42	.069	8	91	1.88	378	.17	18	3.42	.02	.38	1	58
L7+50E 2+00S	1	107	6	140	.2	100	23	1059	5.17	7	5	ND	2	31	.6	2	2	80	.42	.045	8	114	1.69	365	.15	15	3.09	.01	.40	1	25
L7+50E 0+10N	1	102	10	146	.4	81	34	2557	4.90	4	5	ND	2	37	1.1	2	2	70	.70	.082	7	74	1.30	330	.12	15	2.68	.01	.28	1	92
L7+50E 0+20N	1	131	7	139	.4	105	34	1440	5.59	9	5	ND	3	30	1.2	2	2	88	.50	.060	9	92	1.80	257	.18	17	3.36	.01	.24	1	17
L7+50E 0+30N	1	138	13	124	.2	82	35	1736	6.49	10	5	ND	2	35	1.7	2	2	131	.65	.091	7	97	2.23	353	.17	13	3.38	.01	.81	1	7
L7+50E 0+60N	1	157	8	202	.4	100	40	3132	5.33	13	5	ND	3	49	1.5	2	2	70	.86	.149	8	83	1.21	402	.12	17	3.01	.01	.23	2	12
L7+50E 0+70N	1	155	7	205	.4	113	41	2690	5.61	17	5	ND	2	46	1.6	2	2	73	.85	.139	9	94	1.46	352	.13	15	3.19	.01	.23	1	19
L7+50E 0+80N	1	175	8	145	.3	98	41	1845	6.34	13	5	ND	3	35	.9	2	2	92	.67	.096	8	90	1.82	296	.17	17	3.18	.01	.57	2	14
L7+50E 0+90N	1	207	11	142	.5	93	37	1763	6.84	22	5	ND	3	36	1.2	2	2	100	.78	.084	8	85	1.78	278	.15	18	2.98	.01	.49	1	55
L7+50E 1+00N	1	143	9	101	.4	93	37	1918	5.17	3	5	ND	1	49	1.0	2	2	81	2.19	.052	6	115	2.03	264	.12	18	2.97	.01	.24	1	12
L7+50E 1+10N	1	115	2	92	.4	88	32	1054	5.43	5	5	ND	1	26	1.2	2	2	91	.73	.053	6	118	2.20	163	.16	16	3.16	.01	.49	1	23
L7+50E 1+20N	1	128	5	96	.5	95	33	1369	5.19	3	5	ND	1	40	.8	2	2	84	1.11	.077	7	124	1.98	213	.12	21	2.91	.01	.45	1	31
L8+00E 0+10S	1	68	11	137	.3	68	19	702	4.70	5	5	ND	3	32	.8	2	2	63	.35	.046	10	70	1.41	266	.16	16	3.14	.02	.30	1	3
L8+00E 0+20S	1	105	3	133	.5	81	19	540	4.80	4	5	ND	3	37	.6	2	2	59	.40	.046	8	81	1.41	242	.16	20	3.26	.02	.25	1	17

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L8+00E 0+30S	1	96	12	127	.5	87	20	725	5.33	6	5	ND	4	34	.7	2	2	68	.40	.051	10	88	1.47	213	.17	17	3.34	.02	.28	1	5
L8+00E 0+40S	1	112	7	141	.5	99	22	786	5.69	10	5	ND	4	31	.8	2	2	77	.36	.061	10	104	1.76	225	.17	19	3.11	.01	.44	1	4
L8+00E 0+50S	1	72	2	108	.3	74	17	800	4.54	4	5	ND	3	32	.7	2	2	62	.33	.042	8	70	1.29	288	.17	20	3.02	.02	.34	1	4
L8+00E 0+60S	1	44	2	62	.5	47	9	208	1.91	2	11	ND	2	33	.5	2	2	28	.34	.090	5	24	.46	128	.10	21	2.32	.04	.09	1	2
L8+00E 0+70S	1	57	5	106	.3	61	15	627	3.18	6	5	ND	2	36	1.0	2	2	45	.34	.062	7	43	.78	186	.13	15	2.76	.02	.17	1	4
L8+00E 0+80S	1	56	4	52	.5	39	7	195	1.85	6	10	ND	2	32	.6	2	2	25	.35	.132	8	17	.30	70	.14	22	3.27	.04	.09	2	4
L8+00E 0+90S	1	81	15	142	.4	97	16	535	3.93	8	5	ND	8	42	1.0	2	2	49	.36	.073	9	64	.94	139	.12	15	2.75	.02	.13	1	6
L8+00E 1+00S	1	57	9	128	.4	63	15	641	3.67	6	5	ND	3	41	.7	2	2	48	.43	.048	8	47	.77	240	.12	19	2.92	.03	.19	1	5
L8+00E 1+10S	5	352	80	231	1.0	148	28	1503	10.33	65	5	ND	3	40	1.0	2	8	53	.47	.116	7	48	.55	110	.08	17	2.11	.01	.14	1	74
L8+00E 1+20S	1	80	15	160	.2	57	19	1775	4.17	5	5	ND	3	50	.8	2	2	59	.56	.078	9	48	.81	269	.13	18	2.70	.02	.22	2	3
L8+00E 1+30S	1	68	13	161	.2	58	19	1488	4.46	2	5	ND	3	36	.9	2	2	62	.35	.056	8	51	1.02	294	.15	22	2.89	.02	.29	2	5
L8+00E 1+40S	1	109	14	118	.6	61	20	583	4.64	7	7	ND	4	31	.6	2	2	76	.31	.112	11	60	1.22	163	.18	19	3.63	.02	.16	1	6
L8+00E 1+50S	1	96	11	103	.5	57	20	766	4.88	6	5	ND	3	33	.7	2	2	76	.34	.061	9	64	1.39	204	.17	17	3.02	.02	.30	1	6
L8+00E 1+60S	1	69	13	116	.3	63	19	806	4.79	2	5	ND	3	27	.5	2	2	70	.31	.046	9	68	1.33	199	.17	18	3.05	.01	.23	1	14
L8+00E 1+70S	1	44	10	182	.3	62	19	1280	3.87	4	5	ND	2	33	.9	2	2	57	.34	.080	7	68	1.02	290	.13	18	2.70	.02	.27	1	6
L8+00E 1+80S	1	131	13	127	.5	70	21	752	4.83	3	5	ND	3	40	.7	2	2	69	.45	.082	10	82	1.29	291	.17	18	3.41	.03	.26	1	7
L8+00E 1+90S	1	37	10	122	.2	45	14	464	4.12	3	5	ND	2	31	.3	2	2	48	.37	.061	7	46	1.00	193	.11	21	2.48	.02	.23	1	3
L8+00E 2+00S	1	52	10	155	.4	50	12	558	3.59	5	5	ND	2	35	.4	2	2	41	.37	.059	6	37	.56	195	.11	19	2.33	.03	.19	1	34
L8+00E 0+00N	1	103	7	175	.5	167	25	1212	5.57	27	5	ND	3	36	1.0	2	2	70	.42	.064	8	164	1.70	204	.14	19	3.20	.02	.35	1	10
L8+00E 0+10N	1	166	13	122	.6	190	28	716	4.69	22	6	ND	4	38	1.1	2	2	55	.34	.088	8	96	1.35	196	.13	17	3.22	.03	.19	1	8
L8+00E 0+20N	1	124	13	149	.3	141	30	1229	5.96	29	5	ND	3	29	.7	2	2	86	.38	.060	8	125	1.84	259	.17	18	3.40	.02	.37	1	14
L8+00E 0+30N	1	151	8	138	.5	121	30	1193	6.37	17	5	ND	3	28	1.1	2	2	89	.36	.055	9	130	1.99	246	.18	17	3.42	.01	.50	1	17
L8+00E 0+40N	1	237	12	204	.8	276	41	890	6.29	36	5	ND	4	27	1.2	2	2	96	.44	.046	10	220	2.54	272	.16	16	3.72	.01	.18	1	13
L8+00E 0+50N	2	245	17	197	.5	214	42	1419	7.35	37	5	ND	3	28	1.5	2	2	107	.44	.064	10	203	2.46	240	.17	17	3.54	.01	.31	1	19
L8+00E 0+60N	2	168	12	164	.5	129	32	1483	6.48	29	5	ND	3	34	.7	2	2	85	.49	.069	9	108	1.82	229	.13	14	2.95	.01	.31	1	49
L8+00E 0+70N	1	151	9	99	.5	80	26	810	5.82	6	5	ND	3	36	.7	2	2	90	.48	.068	9	84	1.86	150	.18	15	2.71	.01	.33	1	28
L8+00E 0+80N	1	104	13	127	.1	85	26	1210	5.14	15	5	ND	3	37	.7	2	2	74	.45	.064	10	75	1.38	298	.15	18	3.00	.01	.41	2	4
L8+00E 0+90N	1	111	11	125	.6	81	21	1183	5.09	11	5	ND	3	40	.7	2	2	72	.46	.058	9	74	1.37	276	.15	17	3.03	.02	.38	1	21
L8+00E 1+00N	1	119	5	163	.3	111	24	1279	5.66	13	5	ND	3	33	1.2	2	2	82	.37	.071	8	110	1.72	263	.16	18	2.98	.01	.51	1	7
L8+00E 1+10N	1	113	16	148	.3	94	25	2245	4.80	15	5	ND	3	53	1.1	2	2	60	.61	.102	9	72	1.03	335	.11	19	2.56	.02	.35	1	9
L8+00E 1+20N	1	140	16	138	.4	98	28	1575	6.45	18	5	ND	4	46	1.3	2	2	90	.44	.080	12	97	1.89	281	.18	16	3.19	.01	.57	1	13
L8+00E 1+30N	1	135	17	140	.6	124	30	1388	6.85	22	5	ND	3	40	1.8	2	2	112	.56	.067	11	132	2.40	310	.21	18	3.49	.01	.68	1	120
L8+00E 1+40N	2	160	14	128	.6	87	24	2054	6.33	22	5	ND	3	40	1.0	2	2	78	.59	.072	10	77	1.22	162	.13	19	2.66	.01	.40	1	51
L8+00E 1+50N	1	161	8	128	.8	89	33	1393	7.16	19	5	ND	2	26	1.5	2	2	127	.67	.070	10	94	2.09	248	.16	17	3.43	.01	.44	1	66
L8+00E 1+60N	1	158	4	99	.3	75	32	750	6.04	9	5	ND	2	28	1.1	2	2	104	.61	.038	7	85	2.00	150	.22	12	3.28	.01	.32	1	34

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L8+00E 1+70N	1	89	2	81	.3	50	22	755	4.87	2	5	ND	2	25	.4	2	2	93	.43	.038	6	64	1.70	148	.20	15	2.75	.01	.39	1	6
L8+00E 1+80N	1	77	2	98	.2	56	21	908	4.33	2	5	ND	3	27	.6	2	2	66	.43	.044	6	56	1.25	234	.17	12	2.97	.02	.36	1	13
L8+00E 1+90N	1	71	2	105	.4	49	25	783	4.61	2	5	ND	2	26	.5	2	3	72	.53	.054	6	59	1.49	234	.20	20	2.86	.02	.36	1	6
L8+00E 2+00N	1	90	5	189	.2	45	25	1609	3.96	4	5	ND	2	31	.9	2	2	69	.66	.076	5	49	1.25	376	.16	19	2.61	.03	.29	1	6
L8+50E 0+00S	1	93	10	106	.4	52	18	743	4.64	5	5	ND	3	42	.7	2	2	66	.46	.081	8	68	1.34	203	.18	11	2.90	.02	.34	1	4
L8+50E 0+10S	1	81	2	114	.1	54	19	771	5.54	3	5	ND	3	26	.9	2	2	83	.31	.056	10	92	1.79	198	.19	11	3.03	.02	.48	1	12
L8+50E 0+20S	1	97	3	105	.2	54	20	628	5.95	4	5	ND	2	24	.7	2	2	84	.32	.043	9	102	2.14	146	.19	12	2.97	.01	.46	1	6
L8+50E 0+30S	1	52	6	134	.2	50	17	1121	3.78	2	5	ND	3	31	.7	2	2	50	.37	.057	8	46	.91	301	.15	16	2.70	.02	.27	1	6
L8+50E 0+40S	1	64	6	162	.3	50	20	1487	4.38	2	5	ND	4	41	.8	2	2	53	.49	.100	9	42	.97	392	.14	20	2.39	.03	.33	1	16
L8+50E 0+50S	1	77	7	95	.3	47	20	776	4.25	4	5	ND	3	30	.8	2	2	61	.36	.131	9	42	1.19	294	.18	14	3.21	.03	.32	1	2
L8+50E 0+60S	1	68	6	95	.5	41	15	447	3.07	4	5	ND	3	33	1.1	2	2	46	.31	.093	10	32	.77	153	.14	19	2.77	.04	.19	1	8
L8+50E 0+70S	1	62	8	137	.2	45	18	2112	3.94	9	5	ND	4	47	.9	2	2	53	.44	.089	10	49	.84	234	.14	17	2.41	.02	.29	1	60
L8+50E 0+80S	1	120	15	134	.3	67	20	889	5.04	12	5	ND	4	42	.8	2	2	60	.35	.078	10	48	.96	130	.12	18	2.82	.02	.18	1	31
L8+50E 0+90S	1	64	15	143	.4	51	21	1390	4.17	8	5	ND	3	59	1.1	2	2	54	.70	.101	8	53	.80	192	.12	15	2.32	.02	.23	1	10
L8+50E 1+10S	1	56	15	105	.3	35	13	1667	3.94	4	5	ND	2	47	.9	2	2	51	.43	.105	9	36	.59	347	.12	14	2.29	.02	.35	1	3
L8+50E 1+20S	1	70	16	109	.2	50	19	1796	4.60	2	5	ND	3	41	.8	2	2	64	.42	.072	11	51	1.03	306	.15	13	2.67	.02	.31	1	6
L8+50E 1+30S	1	67	13	121	.4	50	18	776	4.57	7	5	ND	3	27	.9	2	2	68	.30	.076	9	59	1.17	297	.15	19	2.75	.02	.30	1	7
L8+50E 1+40S	1	69	10	147	.3	54	19	1313	4.45	4	5	ND	3	34	1.0	2	2	62	.38	.137	10	58	1.05	373	.14	17	2.68	.02	.29	1	20
L8+50E 1+50S	1	95	15	168	.5	69	25	1048	4.63	6	5	ND	3	35	1.0	2	2	63	.43	.139	9	62	1.06	396	.15	21	2.93	.02	.33	1	8
L8+50E 1+60S	1	108	13	108	.3	61	21	719	4.79	4	5	ND	4	28	.8	2	2	68	.30	.064	10	57	1.23	228	.19	16	2.86	.01	.33	1	5
L8+50E 1+70S	1	37	8	115	.4	34	10	438	2.55	6	5	ND	2	34	.6	2	2	40	.38	.141	6	43	.62	208	.11	21	2.30	.03	.14	1	2
L8+50E 1+80S	1	56	10	200	.5	41	12	754	2.63	8	5	ND	3	32	.3	2	2	40	.35	.065	7	33	.56	229	.11	16	1.77	.03	.17	1	9
L8+50E 1+90S	1	28	8	104	.3	26	8	338	1.92	7	5	ND	2	30	.5	2	2	28	.31	.197	6	21	.29	178	.10	18	2.04	.03	.09	1	5
L8+50E 2+00S	1	39	11	223	.5	54	14	479	3.24	11	5	ND	3	33	.5	2	2	40	.31	.070	7	36	.60	206	.09	21	1.90	.03	.13	1	5
L8+50E 0+00N	1	97	15	121	.3	61	21	1007	5.35	3	5	ND	4	33	1.1	2	2	84	.41	.053	10	99	1.75	223	.22	14	2.82	.01	.72	1	4
L8+50E 0+10N	1	77	19	155	.2	60	22	1950	4.79	7	5	ND	3	38	1.1	2	2	69	.42	.084	12	70	1.19	451	.17	15	2.95	.02	.46	1	3
L8+50E 0+20N	1	87	16	131	.3	73	25	1494	5.38	2	5	ND	2	36	1.1	2	2	95	.46	.063	9	101	1.82	271	.19	15	3.05	.02	.59	1	1
L8+50E 0+30N	1	129	15	141	.6	82	32	1044	6.17	19	5	ND	2	31	1.1	2	2	115	.41	.046	8	114	2.08	300	.22	17	3.51	.02	.56	1	3
L8+50E 0+40N	1	85	36	137	.2	64	25	1860	5.65	10	5	ND	3	39	1.2	2	2	82	.52	.075	8	79	1.48	299	.18	15	2.87	.01	.39	1	6
L8+50E 0+50N	1	85	23	127	.3	69	24	1556	5.30	2	5	ND	3	42	1.3	2	2	77	.51	.061	8	82	1.38	257	.17	13	2.70	.01	.29	1	9
L8+50E 0+60N	1	94	40	144	.5	83	26	1555	5.15	12	5	ND	4	33	1.1	2	2	73	.38	.057	9	80	1.30	206	.15	13	2.57	.01	.19	1	6
L8+50E 0+70N	1	184	21	138	.9	103	31	1191	5.72	24	5	ND	4	38	1.2	2	2	75	.40	.069	14	67	1.34	166	.13	15	3.14	.02	.18	1	20
L8+50E 0+80N	1	143	24	143	.5	118	36	1803	6.59	22	5	ND	4	35	1.3	2	2	87	.44	.092	9	110	1.88	221	.15	14	2.95	.01	.43	1	11
L8+50E 0+90N	1	125	24	149	.3	95	37	1437	6.03	29	5	ND	4	27	.5	2	2	81	.30	.095	10	82	1.54	240	.15	18	3.03	.01	.27	1	4
L8+50E 1+00N	1	128	22	138	.2	92	30	2218	5.71	9	5	ND	4	44	1.3	2	2	85	.46	.078	10	81	1.48	318	.16	15	3.01	.02	.45	1	6

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L8+50E 1+10N	1	117	15	108	.5	87	33	1420	5.96	16	5	ND	3	25	.9	2	2	123	.34	.057	5	177	2.41	267	.21	15	3.58	.01	.55	1	4
L8+50E 1+20N	1	133	20	111	.6	87	30	1620	5.69	8	5	ND	3	36	.8	2	2	97	.42	.077	9	116	1.83	290	.18	16	3.03	.01	.49	1	5
L8+50E 1+30N	1	121	26	133	.4	93	36	2621	6.01	10	5	ND	4	37	1.2	2	2	100	.41	.095	11	92	1.81	307	.17	15	3.18	.01	.53	1	11
L8+50E 1+40N	1	111	27	157	.5	80	27	2039	5.55	12	5	ND	4	35	1.0	2	2	76	.43	.090	11	75	1.37	305	.15	13	2.84	.01	.36	1	8
L8+50E 1+50N	1	88	18	157	.4	70	22	2124	4.27	5	5	ND	3	40	1.1	2	2	57	.42	.112	9	50	.74	363	.12	19	2.36	.02	.25	1	9
L8+50E 1+60N	1	108	10	146	.4	77	23	1430	5.37	6	5	ND	2	45	1.0	2	2	62	.45	.101	8	65	1.12	344	.12	11	2.45	.01	.26	1	34
L8+50E 1+70N	1	53	6	104	.4	54	18	1208	3.88	3	7	ND	3	32	.6	2	2	59	.42	.050	9	51	.95	326	.16	18	2.80	.02	.20	1	6
L8+50E 1+80N	1	58	7	96	.4	52	20	1154	4.10	6	5	ND	2	33	.8	2	2	65	.42	.049	9	59	1.14	306	.17	14	2.50	.02	.31	1	8
L8+50E 1+90N	1	73	12	132	.3	55	23	1667	4.15	5	5	ND	1	41	1.2	2	2	62	.50	.096	10	56	1.04	420	.12	13	2.50	.01	.28	1	19
L8+50E 2+00N	1	66	14	118	.3	53	21	1417	3.90	3	5	ND	2	37	.5	2	2	55	.46	.093	8	51	.91	337	.11	13	2.13	.01	.27	1	26
L8+50E 2+10N	1	70	11	117	.4	54	22	1375	4.19	6	5	ND	2	37	1.0	2	2	62	.39	.099	10	56	1.05	303	.12	13	2.37	.01	.28	1	10
M.S.1	1	141	10	132	.3	65	40	1934	5.84	5	5	ND	1	37	1.2	2	2	105	.81	.083	6	84	1.93	406	.14	20	2.98	.01	.52	1	48
M.S.2	1	145	8	112	.4	67	31	1158	6.03	2	5	ND	2	31	1.1	2	2	105	.75	.074	6	95	2.17	422	.15	19	3.01	.01	.59	1	19
M.S.3	1	120	7	106	.4	75	27	958	5.86	3	5	ND	2	27	1.1	2	2	94	.53	.059	9	101	2.14	346	.22	17	3.23	.01	.54	1	47
M.S.4	1	122	11	103	.4	77	35	1539	5.47	2	5	ND	1	38	.9	2	2	82	.84	.104	9	85	1.73	355	.15	18	2.67	.01	.44	1	19
M.S.5	1	153	16	115	.4	66	43	2106	5.40	9	5	ND	2	32	.9	2	2	84	.97	.077	7	72	1.51	373	.14	20	2.92	.01	.35	1	47
M.S.6	1	111	10	113	.3	78	31	1149	5.73	2	5	ND	2	38	.6	2	2	93	1.04	.110	9	104	2.09	308	.16	19	2.93	.01	.43	2	12
M.S.7	1	93	9	113	.2	72	31	1569	5.91	2	5	ND	2	37	.6	2	2	94	.68	.079	8	102	2.01	387	.18	17	3.10	.01	.44	1	8
M.S.8	1	102	14	125	.5	88	29	1152	6.10	10	5	ND	3	36	1.0	2	2	99	.55	.090	11	128	2.33	292	.17	18	3.21	.01	.53	1	19
M.S.9	1	96	13	118	.2	72	30	1318	5.92	4	5	ND	2	32	.9	2	2	99	.58	.070	9	105	2.12	306	.19	13	3.13	.01	.47	1	17
M.S.10	1	91	10	109	.3	75	27	914	5.75	7	5	ND	2	27	.7	2	2	94	.50	.060	9	109	2.17	249	.19	18	2.97	.01	.49	1	10
M.S.11	1	76	14	100	.4	83	25	838	5.56	2	5	ND	3	29	.8	2	2	85	.48	.055	10	119	2.17	241	.18	10	2.87	.01	.51	1	17
M.S.12	1	101	17	104	.4	68	29	1038	5.89	2	5	ND	3	32	1.1	2	2	95	.56	.059	10	97	2.01	350	.20	19	3.08	.01	.51	1	7
M.S.13	1	125	9	93	.4	49	36	1016	6.40	4	5	ND	1	26	1.1	2	2	114	.67	.067	3	72	1.99	295	.21	17	3.17	.02	.38	1	10
M.S.14	1	161	10	99	.2	49	35	1112	6.62	3	5	ND	1	26	.6	2	2	116	.67	.045	3	73	1.88	343	.25	19	3.34	.02	.47	1	19
M.S.15	1	200	14	98	.2	52	39	1021	6.83	4	5	ND	2	26	.5	2	2	112	.65	.074	4	68	1.92	321	.21	14	3.33	.02	.41	1	56
M.S.16	1	125	18	104	.3	44	32	1119	6.78	3	5	ND	1	25	1.2	2	2	130	.70	.051	3	69	2.04	316	.25	16	3.44	.01	.51	1	22
M.S.17	1	149	11	106	.2	44	29	771	7.24	2	5	ND	1	23	.9	2	2	147	.72	.044	2	69	2.17	298	.28	18	3.86	.01	.55	1	14
M.S.18	1	137	16	98	.5	45	31	789	7.13	5	5	ND	2	23	1.2	2	2	142	.65	.048	3	73	2.10	336	.29	15	3.73	.01	.67	1	7
M.S.19	1	126	10	105	.3	37	27	1148	6.45	3	5	ND	2	28	1.0	2	2	129	.61	.045	4	52	1.82	351	.28	15	3.44	.01	.65	2	4
M.S.20	1	174	12	92	.2	30	24	691	6.28	2	5	ND	2	26	1.2	2	2	127	.70	.053	2	40	1.82	285	.31	11	3.49	.01	.64	1	3
M.S.21	1	36	7	98	.3	29	13	544	2.67	2	16	ND	3	28	.5	2	2	42	.44	.101	6	31	.58	312	.13	19	2.72	.03	.11	2	2
M.S.22	1	48	3	108	.3	35	18	881	3.14	2	16	ND	3	25	.8	2	2	52	.35	.090	6	33	.59	280	.15	20	2.90	.03	.09	1	4
M.S.23	1	50	7	87	.3	39	19	930	4.31	2	5	ND	3	26	.5	2	2	75	.40	.041	7	53	1.15	238	.20	18	2.82	.02	.19	1	5
M.S.24	1	60	41	85	.2	39	18	775	4.77	2	5	ND	3	22	.9	2	2	88	.35	.044	6	51	1.20	232	.20	15	2.58	.01	.37	1	16

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
M.S.25	1	60	13	97	.3	44	20	1008	4.56	3	5	ND	3	29	.7	2	2	78	.41	.079	10	58	1.29	242	.19	18	2.79	.01	.30	1	3

PIONEER LABORATORIES INC. 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TELEPHONE (604)522-3830

G E O C H E M I C A L   A N A L Y S I S   C E R T I F I C A T E

AZIMUTH GEOLOGICAL
Project: 9002
Sample Type: Soils

Multi-element ICP Analysis - 0.5 gram sample is digested with 3 ml of aqua regia, 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. Detection Limit for Au is 3 ppm.
Au Analysis - 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst R Sam
Report No. 19900049
Date: October 9, 1990

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L5+50E 0+50N	1	116	2	116	.1	90	29	1161	6.20	14	5	ND	2	46	1.6	6	2	105	.77	.102	11	127	2.33	248	.18	27	3.47	.01	.64	1	20
L5+50E 0+60N	1	186	2	129	.3	96	35	1165	7.48	22	5	ND	3	47	2.2	6	2	133	.91	.090	9	138	2.63	251	.21	18	4.63	.01	.63	1	29
L5+50E 0+70N	1	124	3	110	.1	83	31	1433	6.07	17	5	ND	2	37	1.8	5	2	107	.51	.072	10	112	2.09	255	.20	25	3.17	.01	.61	1	15
L5+50E 0+80N	1	123	4	92	.1	72	25	808	5.29	11	5	ND	2	23	1.4	6	2	86	.39	.040	8	92	1.69	194	.16	6	2.66	.01	.43	1	24
L5+50E 0+90N	1	200	8	85	.1	51	27	918	5.41	14	5	ND	2	25	1.4	6	2	89	.54	.045	8	65	1.36	272	.15	25	2.63	.01	.38	1	10
L5+50E 1+00N	1	230	6	120	.3	67	33	1114	6.66	18	5	ND	2	26	1.9	6	2	118	.68	.063	8	96	1.85	301	.18	26	3.67	.02	.52	1	115
L5+50E 1+20N	1	256	7	91	.1	54	46	1643	6.22	18	5	ND	1	32	1.7	4	2	109	.84	.060	4	61	1.51	251	.15	28	2.85	.01	.36	1	40
L5+50E 1+40N	1	176	4	99	.2	70	36	1361	6.28	17	5	ND	1	53	1.8	7	2	114	1.67	.058	10	97	1.91	282	.18	31	3.45	.01	.48	1	11
L5+50E 1+50N	1	190	6	90	.1	62	40	1182	6.13	17	5	ND	2	29	1.9	9	2	124	.55	.054	9	80	1.71	212	.17	29	3.07	.01	.37	1	25
L5+50E 1+60N	1	179	9	94	.1	44	38	1442	6.14	12	5	ND	2	35	1.9	5	2	116	.70	.086	6	50	1.19	270	.16	17	2.81	.01	.47	1	8
L6+00E 0+30N	1	187	3	147	.1	113	33	1547	6.46	16	5	ND	3	74	2.3	7	2	93	.88	.106	14	122	2.01	234	.17	27	3.62	.01	.73	1	53
L6+00E 0+40N	1	168	2	119	.1	100	32	1703	6.21	13	5	ND	3	58	1.6	7	2	94	.76	.102	13	120	2.03	217	.17	35	3.36	.01	.63	1	32
L6+00E 0+50N	1	93	3	96	.1	76	24	939	5.54	6	5	ND	2	45	1.0	5	2	80	.48	.065	12	99	1.72	206	.17	27	2.97	.01	.71	1	9
L6+00E 0+60N	1	69	10	121	.1	61	21	1811	4.41	6	5	ND	1	47	1.3	5	2	66	.55	.077	9	83	1.21	301	.15	26	2.64	.01	.52	1	12
L6+00E 0+70N	1	112	6	105	.2	71	24	739	5.19	2	5	ND	2	27	1.4	3	2	69	.38	.037	8	83	1.49	164	.15	20	2.71	.01	.40	1	11
L6+00E 0+80N	1	79	6	66	.3	55	20	774	3.35	17	5	ND	3	19	1.7	9	2	63	.30	.029	8	63	1.05	128	.10	15	1.65	.01	.24	1	9
L6+00E 0+90N	1	93	2	38	.5	26	12	407	2.25	7	5	ND	1	11	.7	4	2	40	.21	.020	3	31	.63	110	.06	2	1.10	.01	.13	1	20
L6+00E 1+00N	1	171	23	102	.2	51	35	1621	5.34	13	5	ND	1	32	1.7	4	2	99	.87	.059	6	63	1.54	236	.14	24	2.44	.01	.38	1	19
L6+00E 1+10N	1	181	2	87	.2	44	34	1367	5.52	13	5	ND	1	22	1.5	8	2	108	.48	.041	7	55	1.28	218	.17	28	2.82	.01	.32	1	12
L6+00E 1+20N	1	220	3	83	.1	47	43	1459	5.82	14	5	ND	1	25	1.5	6	2	120	.60	.048	7	50	1.32	200	.17	24	2.81	.01	.30	1	5
L6+00E 1+30N	1	176	3	74	.1	54	42	1609	5.03	15	5	ND	2	25	1.4	6	2	80	.46	.032	8	50	.91	250	.15	18	2.83	.02	.26	1	14
L6+00E 1+40N	1	187	2	85	.1	50	37	1260	5.23	17	5	ND	1	25	1.7	6	2	96	.52	.043	7	56	1.15	188	.15	15	2.72	.01	.19	1	6
L6+00E 1+50N	1	123	14	84	.1	42	33	2129	4.37	8	5	ND	1	39	1.1	4	2	77	1.16	.071	7	43	.69	301	.13	29	2.54	.02	.21	1	78
L6+00E 0+50S	1	87	9	105	.1	52	20	1011	3.92	11	5	ND	1	35	.7	4	2	61	.48	.057	5	56	1.08	215	.15	32	2.57	.02	.48	1	4
L7+00E 0+50N	1	182	8	115	.1	83	29	1171	6.57	27	5	ND	2	27	1.6	5	2	113	.44	.078	7	87	1.81	258	.14	27	2.92	.01	.54	1	60
L7+00E 0+70N	1	124	2	102	.1	108	36	1254	5.89	15	5	ND	1	30	1.3	6	2	77	.55	.095	10	118	1.80	163	.10	18	2.88	.01	.40	1	44
L7+00E 0+90N	1	168	5	116	.2	113	37	1314	5.77	10	5	ND	2	43	1.4	6	2	69	.71	.071	14	108	1.65	186	.13	18	2.88	.01	.29	1	35
L7+00E 1+10S	1	100	14	108	.1	43	22	1671	3.52	7	5	ND	1	40	1.1	3	2	53	.68	.064	5	39	.80	283	.11	34	2.17	.02	.30	1	6
L7+00E 1+20S	1	85	8	91	.1	44	23	1207	4.22	7	5	ND	1	25	1.0	3	2	64	.47	.039	5	45	1.14	158	.12	23	2.47	.02	.34	1	4
L7+00E 1+90S	1	53	4	126	.1	35	12	1477	2.81	10	5	ND	1	39	.8	2	2	41	.57	.065	4	42	.67	354	.09	27	1.58	.01	.30	2	2

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	Au
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L7+50E 0+60S	1	85	16	121	.1	61	24	1338	4.08	10	5	ND	2	32	1.0	4	2	63	.49	.079	6	56	1.04	273	.12	22	2.39	.02	.25	1	15
L7+50E 0+80S	1	82	17	112	.1	65	22	2085	4.33	12	5	ND	2	33	.8	2	3	72	.38	.053	8	65	1.05	309	.13	28	2.22	.01	.47	1	43
L7+50E 1+30N	1	111	5	69	1.0	64	23	673	4.71	6	5	ND	1	35	1.4	3	4	87	.69	.116	9	87	1.80	130	.15	22	2.19	.01	.17	2	53
L7+50E 1+40N	1	86	7	73	.1	48	20	818	4.43	11	5	ND	2	26	.6	5	2	88	.36	.041	7	58	1.29	188	.16	39	2.64	.01	.41	1	13
L7+50E 1+50N	1	96	6	73	.3	44	19	456	4.24	6	5	ND	1	31	1.0	4	2	85	.42	.032	6	59	1.49	184	.19	26	2.92	.02	.40	1	8
L7+50E 1+60N	1	74	13	98	.1	45	25	880	4.31	6	5	ND	2	26	.9	4	2	72	.43	.055	6	53	1.36	244	.17	19	2.75	.02	.38	1	12
L7+50E 1+70N	1	153	11	123	.1	44	35	1219	5.36	14	5	ND	1	26	1.3	6	2	117	.69	.045	4	51	1.97	196	.23	19	3.23	.01	.55	1	7
L7+50E 1+80N	1	111	9	129	.1	41	33	1776	4.94	10	5	ND	2	29	1.3	6	2	99	.59	.094	5	49	1.59	283	.18	20	2.96	.01	.37	1	3
L7+50E 1+90N	1	85	8	91	.1	44	31	1127	4.70	9	5	ND	1	28	1.2	5	2	97	.60	.092	4	51	1.78	187	.18	18	2.86	.01	.42	1	6
L7+50E 2+00N	1	100	10	87	.1	51	27	461	4.81	12	5	ND	2	25	1.1	6	2	96	.42	.092	6	70	1.67	126	.19	16	3.09	.01	.42	1	2
L8+00E 1+30N	3	138	23	118	1.2	83	30	2049	6.65	36	5	ND	5	42	1.3	8	4	88	.56	.054	10	97	1.60	168	.17	20	3.25	.01	.55	1	37
L8+00E 1+40N	2	126	15	104	.4	69	23	1885	5.91	27	5	ND	4	42	.9	8	2	72	.50	.060	11	67	1.31	124	.14	18	2.58	.01	.30	1	180
L8+00E 1+50N	2	133	13	128	.4	90	26	1710	5.82	36	5	ND	3	31	.9	5	3	81	.46	.070	8	77	1.11	172	.13	21	2.40	.01	.34	1	60
L8+00E 1+60N	1	93	4	96	.1	68	23	849	4.69	15	5	ND	2	28	1.2	7	2	82	.36	.044	9	79	1.63	131	.21	22	2.67	.01	.28	1	14
L8+00E 1+70N	1	55	9	135	.1	59	19	1180	4.19	11	5	ND	2	32	1.1	6	3	76	.39	.062	6	62	1.28	225	.18	18	2.60	.01	.28	1	5
L8+00E 1+90N	2	64	7	264	.1	59	16	2134	3.67	15	5	ND	2	33	1.4	5	2	55	.35	.122	7	39	.48	531	.11	20	2.13	.02	.14	1	2
L8+00E 2+00N	1	51	15	133	.1	48	22	2259	3.70	14	5	ND	1	32	.9	4	2	61	.42	.099	7	46	.73	330	.12	20	2.14	.01	.23	1	2

PIONEER LABORATORIES INC. 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TELEPHONE (604)522-3830

GEOCHEMICAL ANALYSIS CERTIFICATE

AZIMUTH GEOLOGICAL INC.
Project:
Sample Type: Soils & Silts

Multi-element ICP Analysis - 0.5 gram sample is digested with 3 ml of aqua regia, 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. Detection Limit for Au is 3 ppm.
Au Analysis - 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst R Sam
Report No. 11090051
Date: October 12, 1990

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L6+50E 2+10S	1	85	11	100	.1	72	22	1538	4.78	16	5	ND	3	41	.4	2	2	68	.55	.072	12	92	1.41	214	.15	5	2.66	.01	.59	1	20
L6+50E 2+20S	1	53	10	81	.1	57	18	1379	4.13	10	5	ND	3	27	.2	2	2	61	.32	.039	11	70	1.08	242	.15	2	2.44	.01	.42	1	5
L6+50E 2+30S	1	46	11	69	.1	47	16	1001	3.69	13	5	ND	2	29	.2	2	2	56	.39	.054	9	58	.98	239	.15	3	2.34	.01	.34	1	4
L6+50E 2+40S	1	52	9	87	.2	50	13	578	3.03	4	5	ND	2	25	.2	2	2	45	.33	.083	7	50	.78	244	.13	5	2.24	.02	.26	1	4
L7+00E 2+10S	1	54	9	248	.1	30	13	2067	2.27	4	5	ND	2	49	.7	2	2	31	.72	.062	6	34	.51	475	.08	5	1.46	.02	.31	1	230
GCST-001	1	47	9	92	.1	52	17	845	3.98	10	5	ND	2	44	.2	2	2	71	.80	.093	12	83	1.29	126	.13	2	1.86	.01	.35	1	21
GCST-002	1	55	8	83	.1	60	18	731	4.24	10	5	ND	3	55	.2	2	2	75	.99	.107	15	96	1.44	148	.17	2	1.86	.01	.44	1	9
GCST-003	1	51	7	76	.1	60	18	925	3.94	10	5	ND	3	116	.2	2	2	64	2.03	.115	16	85	1.35	120	.15	2	1.67	.01	.27	1	3
GCST-004	1	40	7	65	.2	44	12	583	3.02	4	5	ND	2	145	.2	2	2	51	10.10	.089	9	69	.97	88	.10	2	1.27	.01	.20	1	4

ROCK SAMPLE RESULTS

Sample	Au ppb	Cu ppm	Ag ppm
105901	197	126	1.6
105902	7	14	.1
105903	122	53	.6
105904	33	182	.2
105905	7	50	.5
105906	14	31	.3
105907	83300	775	38.9
105908	197	122	1.7
105909	10	10	.1
105910	64	2868	8.2
105681	3	42	.7
105682	251	57	.8
90MSGC-			
102	20	124	.6
103	15	127	.1
104	11	69	.2

LEGEND

3
a: quartz diorite
b: granodiorite

MT. KOBAU GROUP

2
Undivided massive quartzite with lesser phyllite
a: Quartzite – massive to phyllitic
b: Phyllite

1
Greenstone – massive to well foliated
a: well defined, fine compositional layering
b: fine-grained diorite, diabase (?)

SYMBOLS

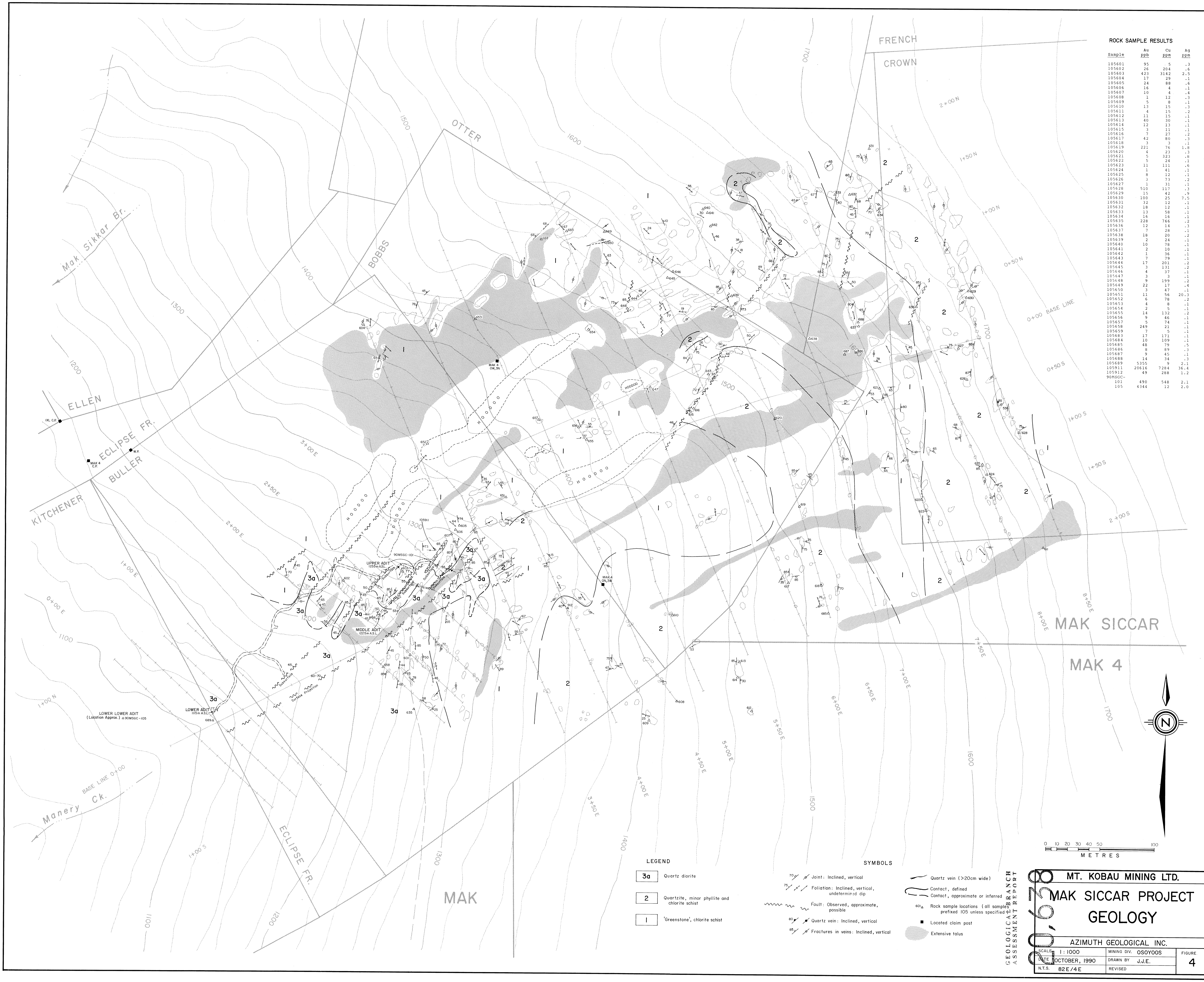
Joint: Inclined, Vertical
Foliation: Inclined, Vertical
Quartz Vein: Inclined
Lineation
Fault: Observed, Approximate, Possible or Linear
Contact: Defined, Approximate
Rock Sample
Located Post (Claim, Witness)
Outcrop

MT. KOBAU MINING LTD.

MAK SICCAR PROJECT GEOLOGY

AZIMUTH GEOLOGICAL INC.

SCALE 1:5000	MINING DIV. OSOYOOS	FIGURE 3
DATE OCTOBER, 1990	DRAWN BY J.J.E.	
N.T.S. 82E/4E	REVISED	



ROCK SAMPLE RESULTS

Sample	Au ppb	Cu ppm	Ag ppm
105601	95	5	.3
105602	26	204	.6
105603	423	3142	2.5
105604	17	29	.1
105605	24	88	.6
105606	16	4	.1
105607	10	4	.4
105608	1	12	.3
105609	5	8	.1
105610	13	15	.3
105611	4	15	.2
105612	11	15	.1
105613	40	30	.1
105614	12	13	.1
105615	3	11	.1
105616	7	27	.2
105617	42	80	.3
105618	3	3	.1
105619	221	76	1.8
105620	4	23	.3
105621	5	323	.8
105622	5	24	.1
105623	11	111	.6
105624	1	41	.1
105625	8	12	.1
105626	3	73	.2
105627	1	31	.1
105628	510	117	.3
105629	15	42	.9
105630	100	25	7.5
105631	32	12	.1
105632	18	12	.1
105633	13	58	.1
105634	16	16	.1
105635	228	766	.2
105636	12	14	.3
105637	7	28	.1
105638	18	20	.2
105639	2	24	.1
105640	10	78	.1
105641	2	10	.1
105642	1	36	.1
105643	7	79	.1
105644	17	201	.2
105645	3	131	.2
105646	4	37	.1
105647	3	3	.1
105648	9	199	.2
105649	22	17	.4
105650	3	47	.1
105651	11	56	20.3
105652	6	78	.2
105653	4	8	.1
105654	2	5	.1
105655	14	132	.2
105656	9	46	.1
105657	5	74	.1
105658	249	21	.1
105659	7	5	.1
105683	17	171	.1
105684	10	109	.1
105685	48	79	.5
105686	8	89	.3
105687	9	45	.1
105688	14	34	.3
105689	5355	9	2.1
105911	20616	7284	36.4
105912	49	288	1.2
90MSGC-			
101	490	548	2.1
105	4344	12	2.0

LEGEND

- 3a — Quartz diorite
- 2 — Quartzite, minor phyllite and chlorite schist
- 1 — 'Greenstone', chlorite schist

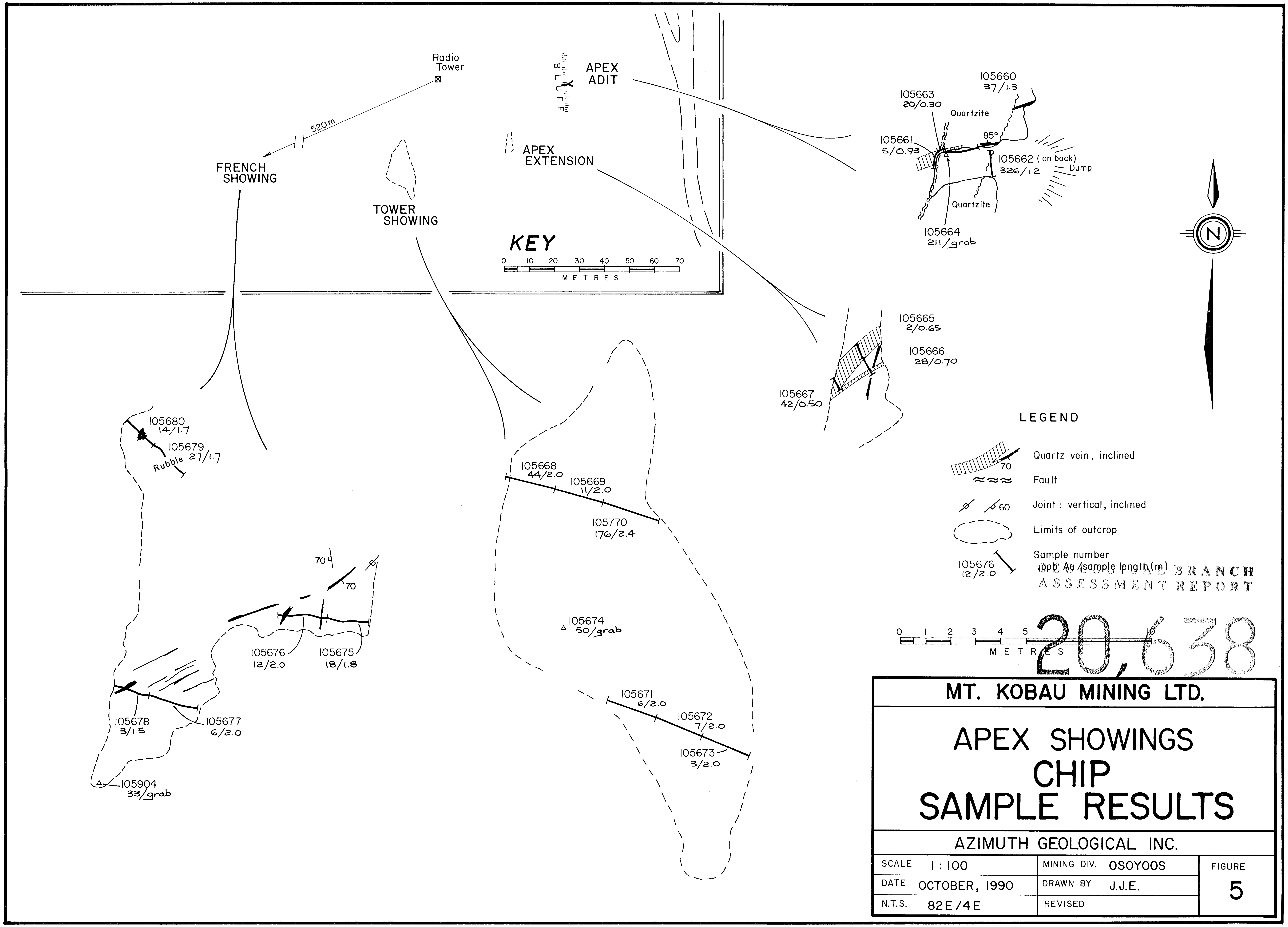
SYMBOLS

- Joint: Inclined, vertical
- Foliation: Inclined, vertical, undetermined dip
- Fault: Observed, approximate, possible
- Quartz vein: Inclined, vertical
- Fractures in veins: Inclined, vertical
- Quartz vein (>20cm wide)
- Contact, defined
- Contact, approximate or inferred
- 601 Rock sample locations (all samples prefixed 105 unless specified)
- Located claim post
- Extensive talus

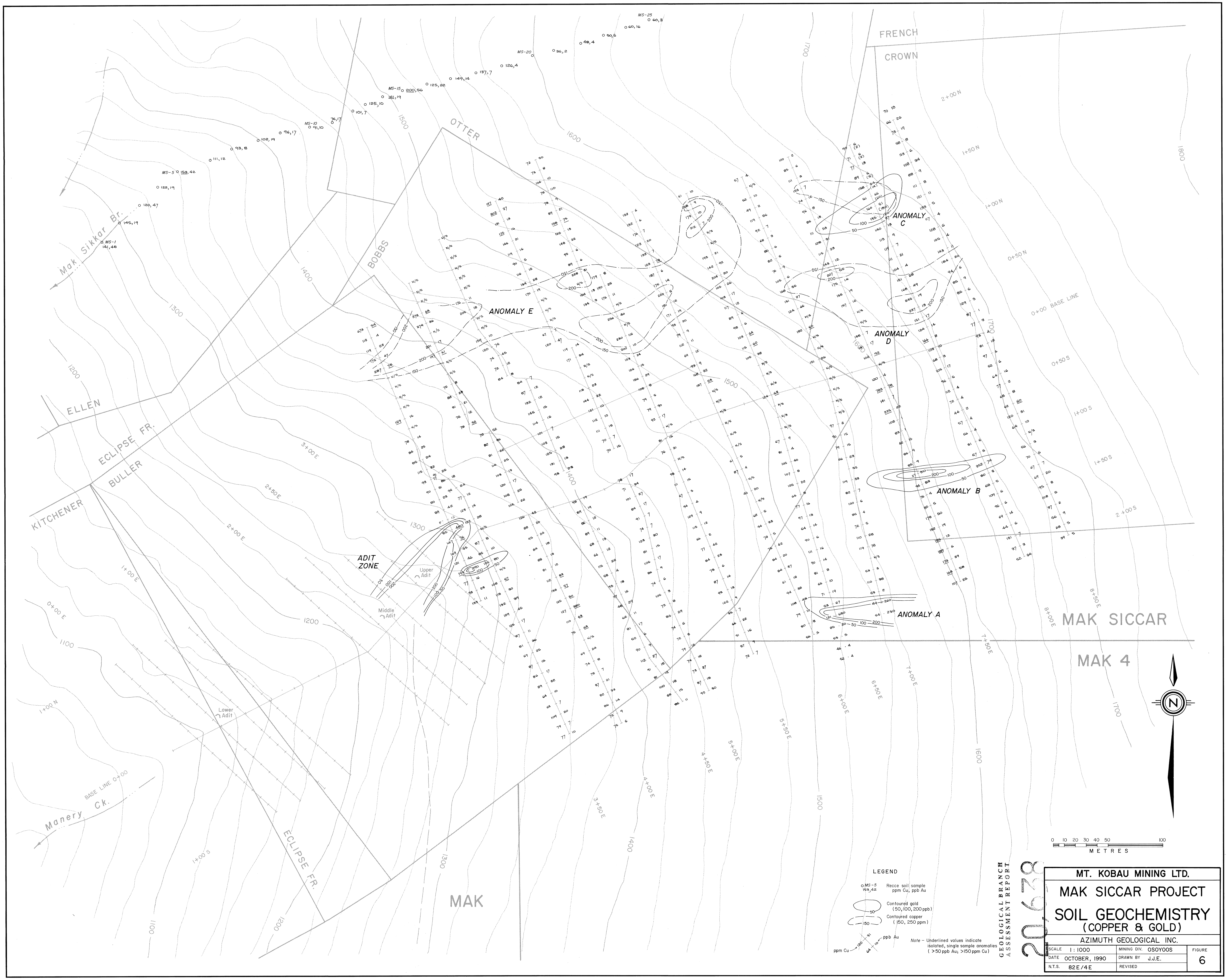
GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,638

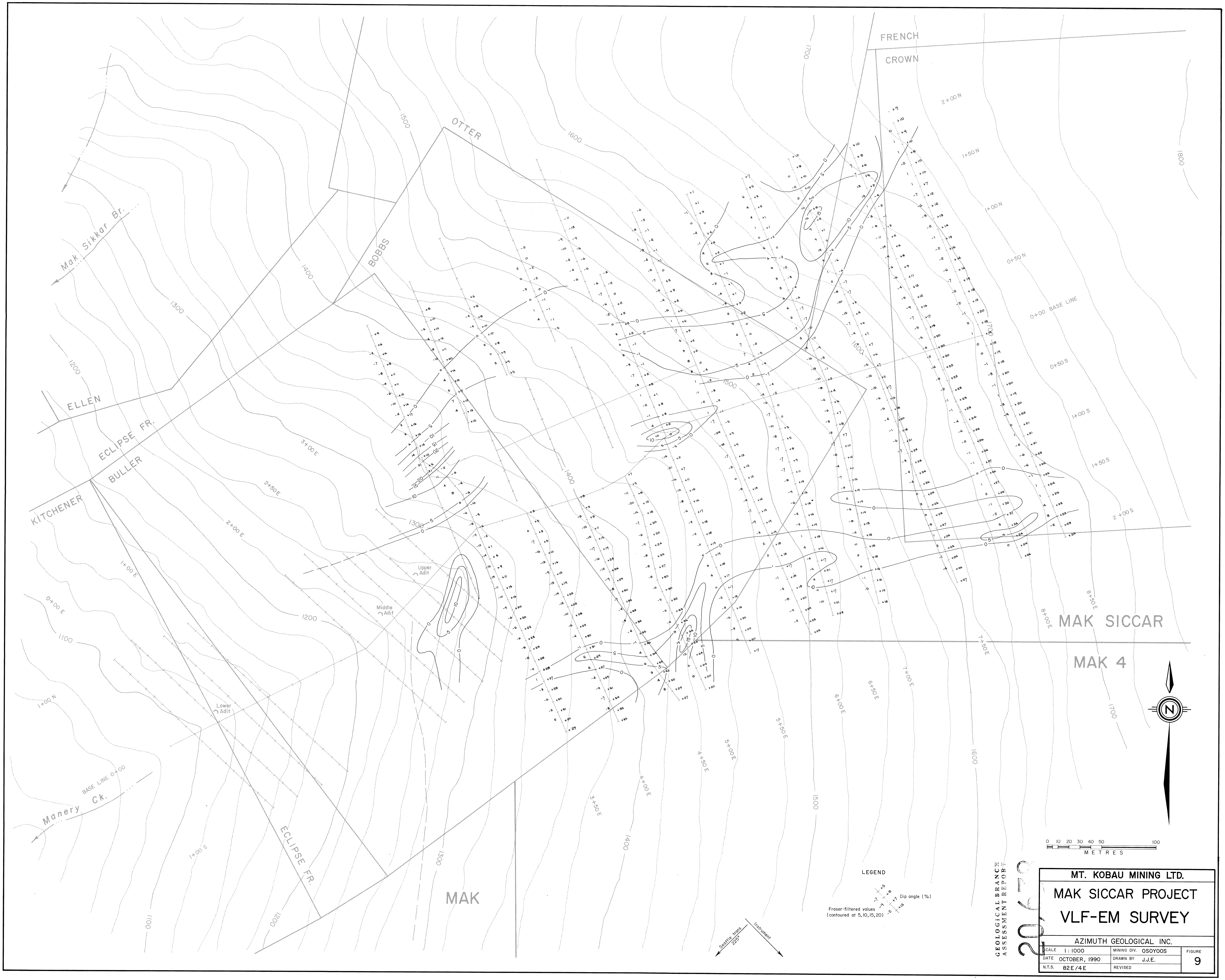
MT. KOBAU MINING LTD.		
MAK SICCAR PROJECT GEOLOGY		
AZIMUTH GEOLOGICAL INC.		
SCALE 1 : 1000	MINING DIV. OSOYOOS	FIGURE 4
DATE OCTOBER, 1990	DRAWN BY J.J.E.	
N.T.S. 82E/4E	REVISED	



Radio Tower
520m
FRENCH SHOWING
TOWER SHOWING
BLUFF
APEX ADIT
APEX EXTENSION
KEY
0 10 20 30 40 50 60 70
METRES
105660 37/1.3
105663 20/0.30
Quartzite
85°
105661 5/0.93
105662 (on back) 326/1.2
Dump
Quartzite
105664 211/grab
105665 2/0.65
105666 28/0.70
105667 42/0.50
105680 14/1.7
105679 27/1.7
Rubble
70
70
105676 12/2.0
105675 18/1.8
105678 3/1.5
105677 6/2.0
105904 33/grab
105668 44/2.0
105669 11/2.0
105770 176/2.4
105674 50/grab
105671 6/2.0
105672 7/2.0
105673 3/2.0
N
LEGEND
Quartz vein; inclined
70
Fault
Joint: vertical, inclined
60
Limits of outcrop
Sample number (ppb Au/sample length (m))
105676 12/2.0
GEOLOGICAL BRANCH ASSESSMENT REPORT
20,638
0 1 2 3 4 5 10
METRES
MT. KOBAU MINING LTD.
APEX SHOWINGS
CHIP SAMPLE RESULTS
AZIMUTH GEOLOGICAL INC.
SCALE 1:100
MINING DIV. OSOYOOS
FIGURE 5
DATE OCTOBER, 1990
DRAWN BY J.J.E.
N.T.S. 82E/4E
REVISED


FRENCH
CROWN
OTTER
BOBBS
ELLEN
ECLIPSE FR.
BULLER
KITCHENER
MAK SICCAR
MAK 4
MAK
Mak Sikkar Br.
Manery Ck.
ANOMALY A
ANOMALY B
ANOMALY C
ANOMALY D
ANOMALY E
ADIT ZONE
Upper Adit
Middle Adit
Lower Adit
BASE LINE 0+00
0+00 BASE LINE
N
0 10 20 30 40 50 100
METRES
LEGEND
MS-5 153,42 Recce soil sample ppm Cu, ppb Au
Contoured gold (50, 100, 200 ppb)
Contoured copper (150, 250 ppm)
ppm Cu
ppb Au
Note – Underlined values indicate isolated, single sample anomalies (>50 ppb Au; >150 ppm Cu)
GEOLOGICAL BRANCH ASSESSMENT REPORT
20,638
MT. KOBAU MINING LTD.
MAK SICCAR PROJECT
SOIL GEOCHEMISTRY
(COPPER & GOLD)
AZIMUTH GEOLOGICAL INC.
SCALE 1:1000
MINING DIV. OSOYOOS
FIGURE 6
DATE OCTOBER, 1990
DRAWN BY J.J.E.
N.T.S. 82E/4E
REVISED

FRENCH
CROWN
OTTER
BOBBS
Mak Sikkar Br.
ELLEN
ECLIPSE FR.
BULLER
KITCHENER
Manery Ck.
BASE LINE 0+00
ECLIPSE FR.
MAK
MAK SICCAR
MAK 4
0+00 BASE LINE
Middle Adit
Lower Adit
0 10 20 30 40 50 100
METRES
LEGEND
Total magnetic field (less 50,000 gammas)
Contour Interval: 200 gammas (except 100 gammas where dashed)
NOTE— Lines 2+00E to 3+00E data collected May/90.
GEOLOGICAL BRANCH ASSESSMENT REPORT
MT. KOBAU MINING LTD.
MAK SICCAR PROJECT
MAGNETOMETER SURVEY
AZIMUTH GEOLOGICAL INC.
SCALE 1:1000
MINING DIV. OSOYOOS
FIGURE 8
DATE OCTOBER, 1990
DRAWN BY J.J.E.
N.T.S. 82E/4E
REVISED


MT. KOBAU MINING LTD.
MAK SICCAR PROJECT
VLF-EM SURVEY
AZIMUTH GEOLOGICAL INC.
SCALE 1:1000
MINING DIV. OSOYOOS
FIGURE 9
DATE OCTOBER, 1990
DRAWN BY J.J.E.
N.T.S. 82E/4E
REVISED
GEOLOGICAL BRANCH ASSESSMENT REPORT
LEGEND
Fraser-filtered values (contoured at 5,10,15,20)
Dip angle (%)
Seattle trans. 225°
Instrument
0 10 20 30 40 50 100
METRES
FRENCH
CROWN
OTTER
BOBBS
ELLEN
ECLIPSE FR.
BULLER
KITCHENER
MAK SICCAR
MAK 4
MAK
Mak Sikkar Br.
Manery Ck.
BASE LINE 0+00
0+00 BASE LINE
Upper Adit
Middle Adit
Lower Adit
2+00 N
1+50 N
1+00 N
0+50 N
0+50 S
1+00 S
1+50 S
2+00 S
1+00 N
1+00 S
0+00 E
1+00 E
2+00 E
2+50 E
3+00 E
3+50 E
4+00 E
4+50 E
5+00 E
5+50 E
6+00 E
6+50 E
7+00 E
7+50 E
8+00 E
8+50 E
1100
1200
1300
1400
1500
1600
1700
1800