ARIS SUMMARY SHEET

District Geologist, Victoria   Off Confidential: 89.02.03

ASSESSMENT REPORT 17105   MINING DIVISION: Victoria

PROPERTY: Jasper
LOCATION: LAT 48 51 00   LONG 124 34 47
UTM 10 5411765 384106
NTS 092C15E
CLAIM(S): Jasper 1
OPERATOR(S): Asamera Min.
AUTHOR(S): Dupre, D.
REPORT YEAR: 1987, 36 Pages
COMMODITIES
SEARCHED FOR: Copper,Zinc,Gold
GEOLOGICAL
SUMMARY: The Jasper property is underlain by the complexly deformed Bonanza Group of mafic to felsic extrusive rocks and very minor volcaniclastics. Several small, widely scattered, low-grade copper/zinc mineral occurrences were delineated within lengthy, narrow, fracture/alteration zones.
WORK
DONE: Geological,Geochemical
GEOL 225.0 ha
Map(s) - 1; Scale(s) - 1:2500
LINE 25.0 km
ROCK 31 sample(s) ;CU,PB,ZN,AG,AU,MN,BA
SOIL 154 sample(s) ;CU,PB,ZN,AG,AU,MN,BA
Map(s) - 1; Scale(s) - 1:2500
RELATED
REPORTS: 12260,13916
MINFILE: 092C 080,092C 081

LOG NO: 0303	RD.
ACTION:	
FILE NO:	

Asamera Minerals Inc.

Jasper Project

Expenditure Statement

May 1 to December 31, 1987

Salaries (including supervision)	$ 9,782.81
Assays and Related Costs	3,430.60
Drafting, Report Writing and Related Costs	2,298.80
Camp Equipment, Supplies and Consumables	2,005.82
Transportation: Commercial Flights	356.00
Vehicle	1,483.91
Fuel	190.25
Accommodations	842.40
Expediting and Warehousing	36.80
Total Expenditures	$20,427.39

January 11, 1988
Date

David Hassell
Project Geologist - Asamera Minerals Inc.

GEOLOGICAL AND GEOCHEMICAL REPORT
on the
JASPER PROPERTY
Victoria Mining District
N.T.S. 92-C/15
Latitude 48°51' North
Longitude 124°35' West
British Columbia

September 21, 1987

on behalf of
ASAMERA INC.
Calgary, Alberta

by

D. G. DuPré, B.Sc., P.Geol., F.GAC

TAIGA CONSULTANTS LTD.
#100, 1300 - 8th Street S.W.
Calgary, Alberta T2R 1B2

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INTRODUCTION

Taiga Consultants Ltd. was commissioned by Asamera Inc. to carry out an exploration program over the Jasper Property, located 100 km northwest of Victoria, British Columbia. A two-man crew spent 12 days on the property carrying out detailed geological mapping and geochemical soil sampling.

Several small, widely scattered, low-grade Cu/Zn mineralized occurrences were delineated which are localized within lengthy, narrow, fracture/alteration zones. The current work, together with a re-interpretation of previously obtained data, suggests that the property does not display significant potential for hosting volcanogenic polymetallic massive sulphide deposits. A lengthy gold soil geochemical anomaly was delineated which is coincident with a northeast trending fracture/alteration/quartz stockwork zone. This feature may have potential as an epithermal gold occurrence and warrants further evaluation.

Property Status

The Jasper property consists of four modified-grid located claims (40 units), registered in the names of Mr. R. Bilquist and Mr. L. Allen of P. O. Box 81, Gabriola Island, B.C. The property is subject to an agreement between the owners and Asamera Inc. Relevant claim data are tabulated below:

Claim Name	Record No.	Expiry Date
Jasper #1	915	May 3, 1988
Jasper #2	1363	Sep. 5, 1988
Jasper #3	1364	Sep. 5, 1988
Jasper #4	1365	Sep. 5, 1988

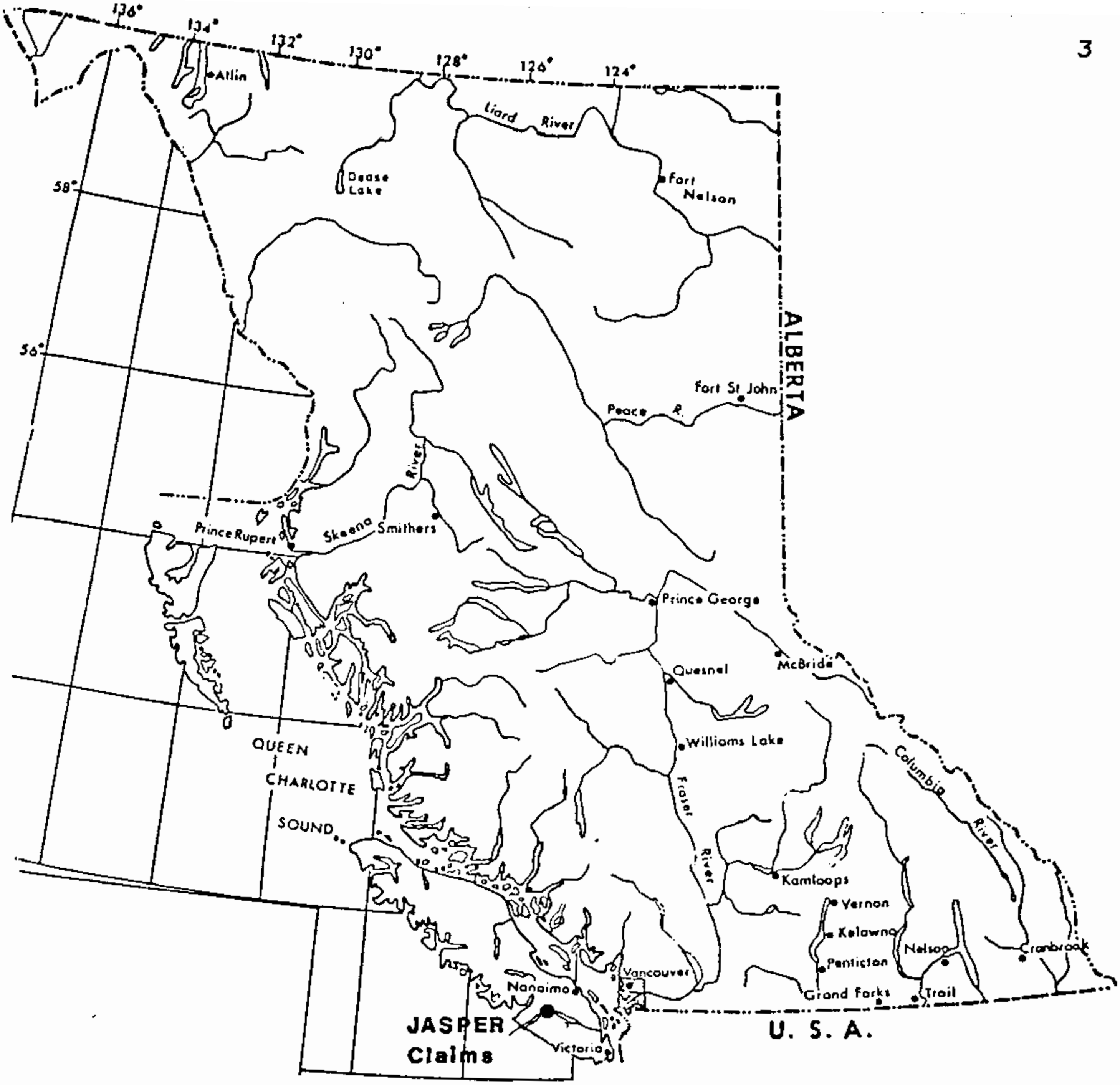
Location and Access

The Jasper property is situated in the southwestern part of Vancouver Island, approximately 100 km northwest of Victoria (Figure 1). The claims are located within the Victoria Mining Division, between Caycuse Creek and Jasper Creek, 7 km northeast of the north end of Nitinat Lake (Figure 2). They are centered about 48°51′ North latitude and 124°35′ West longitude, within N.T.S. map-area 92-C/15.

The property is easily reached by public access roads from Cowichan Lake to the east or from Port Alberni to the northwest. A subsidiary logging road system provides excellent access within the property. The claims are within the British Columbia Forest Products' Macquina Tree Farm License.

Physiography

The area is characterized by moderately steep terrain with elevations of 200 m ASL along Jasper Creek in the north to 850 m ASL in the southwestern part of the property. Almost all of the Jasper #1 claim has been clear cut within the past several years. This logging activity and associated road building have provided abundant rock exposures and excellent access.



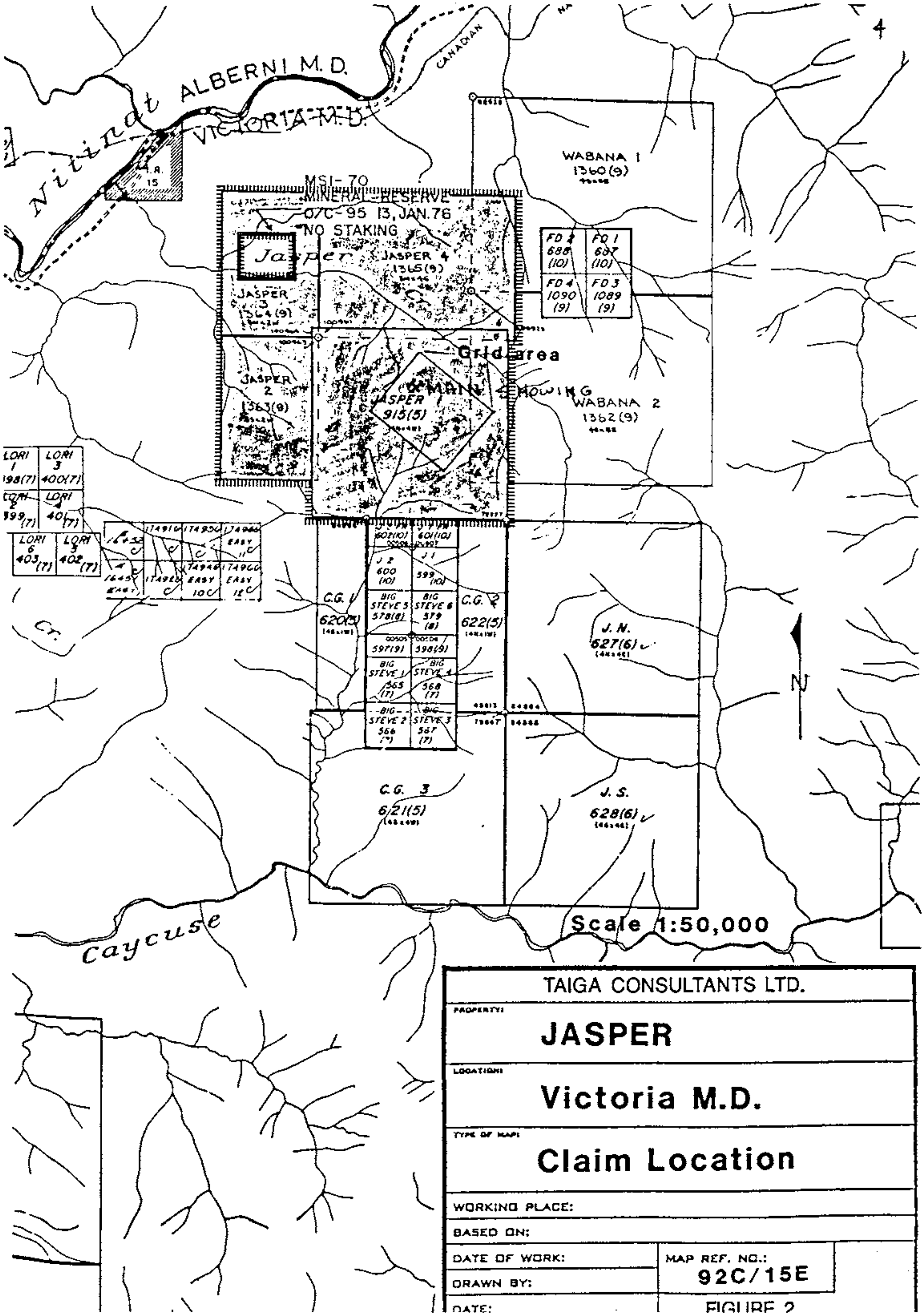
INDEX MAP

BRITISH COLUMBIA

150 0 150 300 450 Km.

SCALE 1: 7·500·000

FIGURE 1



TAIGA CONSULTANTS LTD.	
PROPERTY: **JASPER**	
LOCATION: **Victoria M.D.**	
TYPE OF MAP: **Claim Location**	
WORKING PLACE:	
BASED ON:	
DATE OF WORK:	MAP REF. NO.: 92C/15E
DRAWN BY:	
DATE:	FIGURE 2

PREVIOUS WORK

The Jasper property was previously staked by Hudson Bay Exploration under the claim names TAM and EASY. Between 1971 and 1975, they carried out a lithogeochemical sampling program over the road network established at that time. Several areas of high copper values were delineated. It is not known if any follow-up work was done on these anomalies.

The present Jasper #1 claim was staked in 1983 by Les Allen and Ron Bilquist to cover a Cu/Zn showing found by prospecting along the network of newly developed logging roads.

Falconbridge Ltd. optioned the claims in 1984 and carried out an exploration program in 1985. Their work consisted of grid establishment; soil sampling; detailed geological mapping; and magnetometer, VLF-EM-16, and "Genie" EM surveying. Several Cu/Zn soil geochemical anomalies were delineated but the geophysical surveys did not produce any encouraging results.

A four-hole (total 188.37 m) "Winkie" drill program tested the continuity of the Main Showing. Low assay values were encountered and poor continuity of surface mineralization was indicated. The best intersection assayed 1.67% Cu and 11 g/t Ag over 1.62 m drilled length. Falconbridge terminated their option agreement in 1986.

1987 EXPLORATION PROGRAM

During July 1987, a two-man crew spent 12 days on the Jasper property carrying out detailed soil geochemical sampling and geological mapping. A previously established grid (100 m line spacing with 25 m station intervals) was used for control in the central part of the property.

Geological Mapping

The writer carried out 20 line km of detailed geological mapping on the Jasper #1 claim. The grid and a topographic map (scale 1:5000) were used for control. All of the roads were traversed, as excellent exposures are present in the cuts. The results are plotted on Map 1 at a scale of 1:2500.

Lithogeochemistry

Thirty-one grab samples were collected and analyzed for Cu, Pb, Zn, Ag, Mm, Au, and Ba. The analytical techniques utilized, sample descriptions, and the results are tabulated in the Appendix.

Only two of the samples returned significant results. Sample R2 07/16 E (0.6% Cu and 1.33% Zn) was collected from a small (<1 m^2) mineralized zone characterized by altered mafic flows with 5% to 10% pyrite and trace to 1% sphalerite and chalcopyrite occuring along fractures. This showing is too limited to be of any significance. Sample R2 07/21 N (0.9% Cu and 25.6% Zn) is from the Main Showing. The sample comprised massive, weakly banded, coarse-grained sulphides (60% pyrite, 35% sphalerite, 5% chalcopyrite). Unfortunately, the massive sulphides are very irregularly distributed in this showing.

Soil Geochemistry

A limited soil geochemical sampling program was carried out in the central part of the Jasper #1 claim. B-horizon soil samples were collected at 25 m intervals along 100 m spaced lines. These 154 samples were analyzed for Cu, Pb, Zn, Ag, Mn, Au, and Ba. The analytical techniques and results are presented in the Appendix. The Cu, Zn, and Au results are plotted on Map 2.

Most of the elements are irregularly distributed with no distinct anomalies evident. However, a 300+ m long gold anomaly was delineated in the northwestern part of the grid. This anomaly is open at both ends, and is approximately 50 m wide. It is characterized by values greater than 10 ppb Au with a maximum value of 150 ppb Au. The anomaly is coincident with an elongate northeast-trending zone of fracturing, alteration, and quartz stockwork development.

REGIONAL GEOLOGY

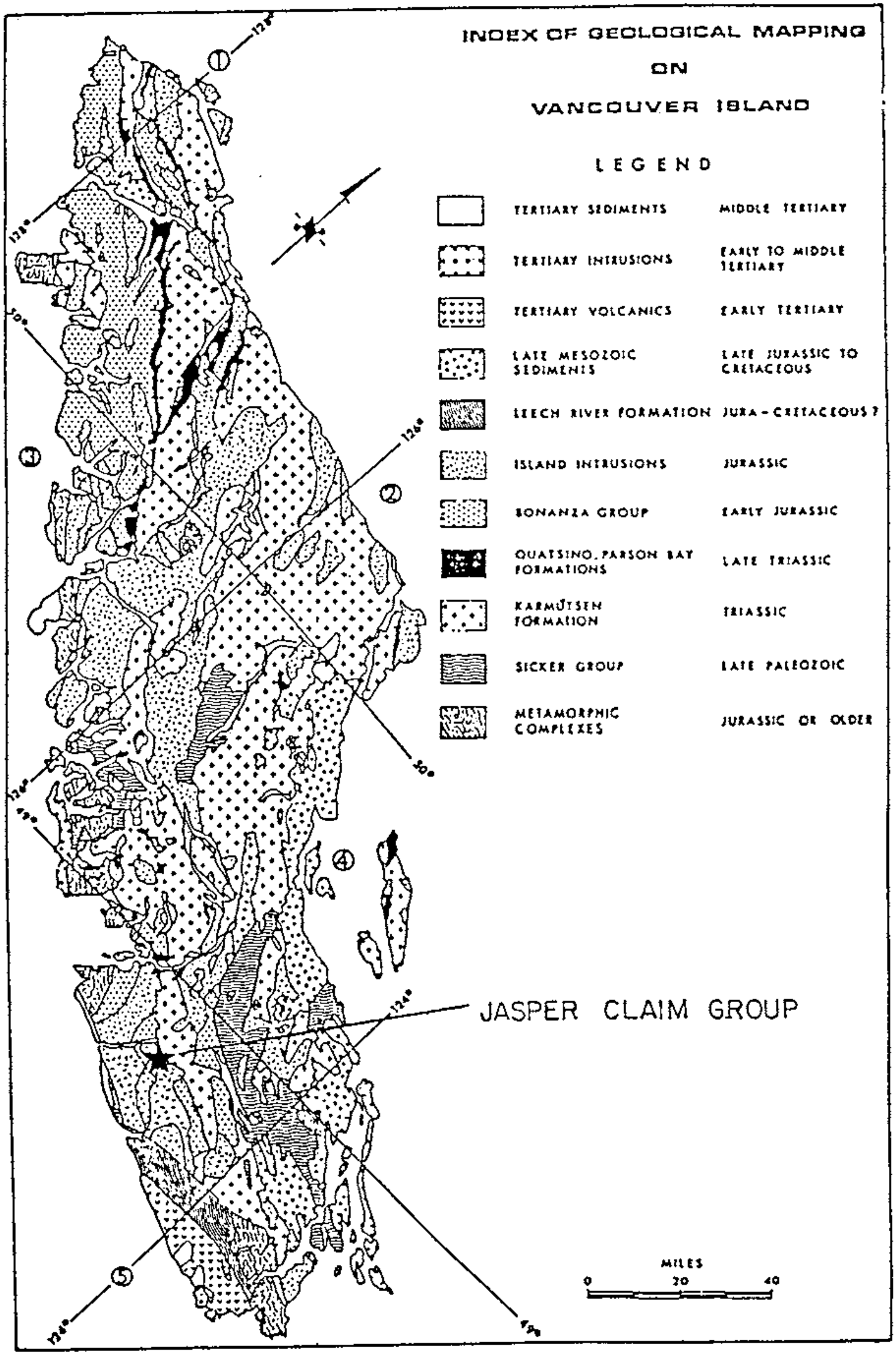
The Jasper property lies on the southern flank of the Horne Lake - Cowichan uplift, one of a series of major geanticlines that make up the structural fabric of southern Vancouver Island (Figure 3). The oldest rocks in the area belong to the Paleozoic Sicker Group and occupy the core of the uplift. This group comprises volcanic and sedimentary units ranging from Late Silurian to Early Permian in age. The Sicker Group rocks have been metamorphosed and subjected to polyphase deformation resulting in major low-angle thrusts and isoclinal, overturned folds.

The Sicker Group is overlain unconformably by the Vancouver Group of Late to Middle Triassic age. The Vancouver Group comprises the basaltic volcanic rocks of the Karmutsen Formation overlain by limestones belonging to the Quatsino Formation and the calcareous sediments of the Parson Bay Formation.

The Vancouver Group is overlain conformably to disconformably by marine sediments and marine to sub-aerial volcanics of the Early to Middle Jurassic Bonanza Group. The volcanics range in composition from basalt to rhyolite. Interbedded with these flows are maroon and green flow breccias, tuff breccias, and several clastic units. Regional metamorphism has reached the zeolite facies.

All of the sequences have been intruded by granodiorite to quartz diorite stocks of the Middle Jurassic Island Intrusive suite.

Table 1 summarizes the formations present on Vancouver Island.



INDEX OF GEOLOGICAL MAPPING
ON
VANCOUVER ISLAND
LEGEND
TERTIARY SEDIMENTS
MIDDLE TERTIARY
TERTIARY INTRUSIONS
EARLY TO MIDDLE TERTIARY
TERTIARY VOLCANICS
EARLY TERTIARY
LATE MESOZOIC SEDIMENTS
LATE JURASSIC TO CRETACEOUS
LEECH RIVER FORMATION
JURA-CRETACEOUS?
ISLAND INTRUSIONS
JURASSIC
BONANZA GROUP
EARLY JURASSIC
QUATSINO, PARSON BAY FORMATIONS
LATE TRIASSIC
KARMUTSEN FORMATION
TRIASSIC
SICKER GROUP
LATE PALEOZOIC
METAMORPHIC COMPLEXES
JURASSIC OR OLDER
JASPER CLAIM GROUP
MILES
0
20
40
①
②
③
④
⑤

FIGURE 3

TABLE I: TABLE OF FORMATIONS OF VANCOUVER ISLAND

SEQUENTIAL LAYERED ROCKS

	PERIOD		STAGE	GROUP	FORMATION	SYMBOL	AVE. THICK.	LITHOLOGY
CENOZOIC					late Tert. volcs of Port McNeill	Tvs		
CENOZOIC			EOCENE to OLIGOCENE		SOOKE BAY	mpTss		conglomerate, sandstone, shale
CENOZOIC			EOCENE to OLIGOCENE		CARMANAH	eoTc	1,200	sandstone, siltstone, coglomerate
CENOZOIC			EOCENE to OLIGOCENE		ESCALANTE	eTe	300	conglomerate, sandstone
CENOZOIC			early EOCENE		METCHOSIN	eTm	3,000	basaltic lava, pillow lava, breccia, tuff
MESOZOIC		LATE	MAESTRICHTIAN	NANAIMO	GABRIOLA	uKGA	350	sandstone, conglomerate
MESOZOIC		LATE	MAESTRICHTIAN	NANAIMO	SPRAY	uKs	200	shale, siltstone
MESOZOIC		LATE	CAMPANIAN	NANAIMO	GEOFFREY	uKG	150	conglomerate, sandstone
MESOZOIC		LATE	CAMPANIAN	NANAIMO	NORTHUMBERLAND	uKN	250	siltstone, shale, sandstone
MESOZOIC		LATE	CAMPANIAN	NANAIMO	DE COURCY	uKDC	350	conglomerate, sandstone
MESOZOIC		LATE	CAMPANIAN	NANAIMO	CEDAR DISTRICT	uKCD	300	shale, siltstone, sandstone
MESOZOIC		LATE	CAMPANIAN	NANAIMO	EXTENSION - PROTECTION	uKEP	300	conglomerate, sandstone, shale, coal
MESOZOIC		LATE	CAMPANIAN	NANAIMO	HASLAM	uKH	200	shale, siltstone, sandstone
MESOZOIC		LATE	SANTONIAN	NANAIMO	COMOX	uKC	350	sandstone, conglomerate, shale, coal
MESOZOIC		EARLY	CENOMANIAN ALBIAN	QUEEN CHARLOTTE	Conglomerate Unit	lKQC	900	conglomerate, greywacke
MESOZOIC		EARLY	APTIAN?	QUEEN CHARLOTTE	Siltstone Shale Unit	lKQP	50	siltstone, shale
MESOZOIC		EARLY	VALANGINIAN BARREMIAN		LONGARM	lKL	250	greywacke, conglomerate, siltstone
MESOZOIC	JURASSIC	MID LATE	TITHONIAN CALLOVIAN		Upper Jurassic Sediment Unit	uJs	500	siltstone, argillite, conglomerate
MESOZOIC	JURASSIC	EARLY	TOARCIAN?	BONANZA	Volcanics	lJB	1,500	basaltic to rhyolitic lava, tuff, breccia, minor argillite, greywacke
MESOZOIC	JURASSIC	EARLY	PLIENSBACHIAN SINEMURIAN	BONANZA	HARBLEDOWN	lJH		argillite, greywacke, tuff
MESOZOIC	TRIASSIC	LATE	NORIAN	VANCOUVER	PARSON BAY	uT̄PB	450	calcareous siltstone, greywacke, silty-limestone, minor conglomerate, breccia
MESOZOIC	TRIASSIC	LATE	KARNIAN	VANCOUVER	QUATSINO	uT̄Q	400	limestone
MESOZOIC	TRIASSIC	LATE	KARNIAN	VANCOUVER	KARMUTSEN	muT̄K	4,500	basaltic lava, pillow lava, breccia, tuff
MESOZOIC	TRIASSIC	MID	LADINIAN	VANCOUVER	Sediment-Sill Unit	T̄ds	750	metasiltstone, diabase, limestone
PALEOZOIC	PENN. and ? PERM.			SICKER	BUTTLE LAKE	CPBL	300	limestone, chert
PALEOZOIC	PENN. and ? PERM.			SICKER	Sediments	CPss	600	metagreywacke, argillite, schist, marble
PALEOZOIC	PENN. and ? PERM.			SICKER	Volcanics	CPsv	2,000	basaltic to rhyolitic metavolcanic flows, tuff, agglomerate
PALEOZOIC	DEV. or EARLIER							

CRYSTALLINE ROCKS, COMPLEXES OF POORLY DEFINED AGE

NAME	SYMBOL	ISOTOPIC AGE Pb/U	ISOTOPIC AGE K/Ar	LITHOLOGY
SOOKE INTRUSIONS - silicic	Tg		32-59	quartzdiorite, trondhjemite, agmatite, porphyry
SOOKE INTRUSIONS - basic	Tgb		31-49	gabbro, anorthosite, agmatite
METCHOSIN SCHIST, GNEISS	Tmn		47	chlorite schist, gneissic amphibolite
LEECH RIVER FM.	JKL		38-41	phyllite, mica schist, greywacke, argillite, chert
PACIFIC RIM COMPLEX	JKP			greywacke, argillite, chert, basic volcanics, limestone
ISLAND INTRUSIONS	Jg		141-181	granodiorite, quartzdiorite, granite, quartz monzonite
WESTCOAST COMPLEX silicic	PMns	264	163-192	quartz-feldspargneiss, metaquartzite, marble
WESTCOAST COMPLEX basic	PMnb			hornblende-plagioclase gneiss, quartz diorite, agmatite, amphibolite
diabase sills	PT̄b			
metavolcanic rocks	PMmv			metavolcanic rocks, minor metasediments, limestone, marble
TYEE INTRUSIONS	Pg	>390		metagranodiorite, metaquartzdiorite, metaquartz porphyry
COLQUITZ GNEISS	Pns	>390		quartz feldspar gneiss
WARK DIORITE GNEISS	Pnb	>200	163-182	hornblende-plagioclase gneiss quartz diorite, amphibolite

PROPERTY GEOLOGY

The Jasper claim group is underlain by the Bonanza Group which is composed of mafic to felsic volcanic rocks and very minor volcaniclastics. Neither the order of stratigraphic succession nor the "way-up" were determined during the current program. In general, the central part of the property is characterized by a belt of north-south trending intermediate volcanic rocks which is flanked by mafic volcanics. A wedge-shaped body of felsic flows is present in the southwestern part of the Jasper #1 claim. Felsite dykes intrude mafic and intermediate rocks and are likely feeders to the felsic flows. This suggests that the felsic volcanics are younger than the more mafic units.

Mafic Volcanic Rocks (Map Unit 1)

This unit comprises thick, massive flows and minor flow breccias. The flows are dark grey-green or grey-black on weathered surface, and medium green-grey on fresh surface. Hematitic varieties exhibit a dark maroon colouration. Massive, fine-grained, equigranular flows are the most common lithotype but feldspar-phyrric varieties containing up to 20% plagioclase phenocrysts (0.5 to 2.0 mm long) are relatively abundant. Some of the massive, fine-grained mafic rocks may be intrusive rather than extrusive in origin. Epidote, calcite, or quartz are commonly present within this rock type and occur as vesicle fillings, small patches, or stringers.

Mafic autobreccias are irregularly distributed within the outcrop area of Unit 1. This rock-type comprises poorly sorted, sub-angular to sub-rounded mafic extrusive fragments floating in a fine-grained, slightly darker mafic volcanic matrix. The fragments range in size from 1 cm to 50 cm in diameter and can constitute up to 60% of an outcrop area. The fragments are commonly heterolithic with varicoloured feldspar-phyrric or amygdaloidal varieties being the most abundant. Locally, the fragments are epidotized while the matrix is unaltered. They appear to be remnants of lithified flows which have been brecciated and re-incorporated within subsequent extrusive units.

There is a lack of lithologic continuity between outcrops, and distinctive marker units are absent. The absence of flow banding, pillows, or intraflow sediments, together with abundant hematite alteration, suggests that the mafic flows were deposited in a sub-aerial environment.

Intermediate Volcanic Rocks (Map Unit 2)

This unit comprises mainly flows, but flow breccias are relatively common. These rocks display a light to medium green-grey weathered surface and a medium green-grey fresh surface. The flows are predominantly fine-grained, equigranular, and massive, but feldspar-phyrric varieties are common in the central part of the property. A crude flow banding was observed in several localities but the majority of the outcrops are thick, featureless flows. Stringers of epidote and calcite were observed in only a few areas.

Intermediate flow breccias (autobreccia) are relatively common and form a distinctive map-unit (2b) in the southern part of the property. This lithotype comprises 20-40%, sub-angular to sub-rounded intermediate volcanic fragments in a fine-grained, slightly darker extrusive matrix. The fragments are heterolithic and range in size from 2 cm to 20 cm.

Felsic Volcanic Rocks (Map Unit 3)

A wedge-shaped body of felsic flows crops out in the southeastern part of the Jasper #1 claim. Geological mapping indicates that this body is a thrust-bounded slice. This unit displays a conspicuous chalky white to light cream-green weathering surface and a pale grey-apple green fresh surface. These flows are extremely fine-grained and dense, and produce a subconcoidal break. Most outcrops exhibit a delicate, millimetre-scale, planar flow banding. The banding is caused by alternating dark and light coloured layers. Feldspar-phyrric varieties are locally present. Scoriaceous zones and fiammé were observed in several localities.

The felsic flow banding shows abrupt and radical changes in orientation over short distances. This may be related to deposition on an irregular surface or to construction of "spires", but also may be related to later deformation (i.e., nappe structures).

Hematitic Breccia (Map Unit 4)

This unit consists of rounded to sub-rounded, chaotic, porphyritic, mafic to intermediate extrusive clasts in a friable, hematitic, tuffaceous mudstone matrix. The heterolithic clasts range from 5 cm to 3 m in diameter and are poorly sorted. This rock type is interpreted to be a lahar.

Chloritic Breccia (Map Unit 5)

Several outcrops of this very distinctive, 3-10 m thick unit are present in the central part of the property where it is interbedded within the felsic volcanic unit. The breccia consists of feldspar-phyrric intermediate and felsic volcanic fragments embedded in a fine-grained, felsic to intermediate tuffaceous matrix. The angular to sub-rounded fragments range in size from 1 cm to 50 cm and comprise up to 50% of any outcrop. Distinctive, ovoid to amoeboid chloritic patches and disks up to 5 cm in diameter comprise up to 10% of most specimens. The tuffaceous matrix commonly contains 1-3% disseminated, fine-grained pyrite. The origin of this unit is obscure but it is probably an altered pyroclastic rock.

Tuffaceous Siltstone (Map Unit 6)

Two road-cut exposures of this unit were observed in the central part of the Jasper #1 claim. The unit is approximately 3 m thick and is adjacent to the chloritic breccia. It ranges in colour from dark chocolate brown to grey, and range from a siltstone to a sandstone. Delicate planar laminations related to grain size variations give rise to the bedding. Most of the clasts are sub-rounded and lithic; but rounded, sand-size, glassy quartz grains are locally present. At 47+90N/53+00E, a one-metre thick unit of tuffaceous chert occurs between the siltstone and the chloritic breccia. This rock type exhibits millimetre-scale bedding defined by alternating chert-rich and felsic tuff-rich layers. This excellent road-cut exposure also displays soft-sediment folding and brecciation.

STRUCTURE

Most outcrops on the property show varying degrees of fracturing, jointing, or faulting. The strongest and most common fault/fracture system is oriented at 130°-150°. This system likely controls the distribution of major map-units in the area. This is particularly true of the felsic volcanics (unit 3) which occur as a slice bounded by low-angle fault zones (thrusts?). The eastern fault zone is well exposed in a road cut where it is approximately 1 m thick, dips to the northeast at 35°, and almost parallels the topography. Near the intersection of the two major fault zones, banding in the felsic flows swings around to where it is perpendicular to the fault orientation. It is possible that this is a nappe structure.

Two elongate fracture systems have been mapped which display intense fracturing, alteration, pyritization, and quartz-stockwork development. These zones are oriented north-south and at 050°. The Main Showing is located at the intersection of these two systems. They are terminated by the major fault (thrust) systems.

ALTERATION

Epidotization and hematitization of the mafic and, to a lesser extent, the intermediate volcanics, is common throughout the map-area. Chloritization is relatively uncommon except within the chlorite breccia unit.

The 100 m wide, elongate fracture zones have been moderately kaolinitized and silicified. A north-south trending zone occurs along the base line in the southern part of the property, and a northeast-southwest trending zone was mapped in the central part. The core of these systems is characterized by intense fracturing and kaolinitization, pervasive silicification, and a quartz vein stockwork system. The stockwork varies from hairline stringers to 30 cm thick veins, which are dominantly parallel to the major fracture zones. The marginal part of these systems displays less intense alteration and quartz vein development but more intense pyritization.

MINERALIZATION

Six base metals occurrences were located on the property. With the exception of one showing, all of these occurrences are localized within the elongate fracture/alteration/quartz stockwork zones. The following three related styles of mineralization were observed.

Massive Sulphides: A series of wedge- and tabular-shaped zones of massive to semi-massive sulphides is present at the Main Showing. The mineralization is exposed over a distance of 30 m in a road cut and is composed of individual zones up to 2 m long and 50 cm wide. The massive sulphides exhibit sharp, fracture or fault controlled contacts with bleached, weakly silicified, pyritic, and quartz veined intermediate to mafic feldspar-phyrric flows. The mineralization consists of 80-90% pyrite, 5-20% sphalerite, 1-5% chalcopyrite, and trace amounts of galena. These sulphides are medium- to coarse-grained and commonly display a crude, indistinct, swirled banding imparted by compositional and textural variations. In places, this banding is brecciated and cut by the quartz stockwork. These massive sulphides appear to have filled narrow, irregularly-shaped dilatory fractures which were subsequently faulted. Falconbridge chip sampled eight massive sulphide sections and obtained Cu values as high as 2.2% over 0.25 m, and Zn values as high as 2.4% over 0.20 m. The best Falconbridge drill intersection was 1.34 m grading 1.65% Cu, 3.52% Zn, and 6.0 g/t Ag. A grab sample collected by the writer from the main zone returned 0.9% Cu and 25.6% Zn.

Fracture-Filling Sulphides: The large fracture zones contain several widely scattered, small (<5 m^2) patches of fracture related sulphides. Medium-grained pyrite, sphalerite, and chalcopyrite occur within fractures up to 2 cm wide and 10 cm long. Locally, the fractures form a network up to 1 m^2. One grab sample of this material (R2 07/16 E) assayed 0.61% Cu and 1.3% Zn.

Disseminated Sulphides: Disseminated sulphides occur at many localities on the property. Pyrite is particularly common and is concentrated in the elongate fracture zones. Most of the disseminated, fine-grained chalcopyrite and sphalerite is spatially related to the massive or fracture-filling sulphides.

CONCLUSIONS

The Jasper property is underlain by the complexly deformed Bonanza Formation comprising mafic to felsic flows and minor pyroclastics. The distribution of map-units is primarily controlled by low-angle thrust faults.

Several small, widely scattered, low-grade mineralized showings occur on the property. The mineralization consists of pyrite, sphalerite, chalcopyrite, and minor galena which occur as massive sulphides, disseminations, and fracture fillings. The Main Showing comprises several small, fracture-controlled wedges of massive sulphides separated by weakly mineralized, silicified, and kaolinitized mafic volcanic rocks. Falconbridge carried out extensive chip sampling and drilled four holes to test this area. The best Falconbridge intersection was 1.34 m grading 1.65% Cu, 3.52% Zn, and 6.0 g/t Ag from DDH #1.

It is concluded that the patchy and low-grade mineralization observed to date is hydrothermal in nature and is spatially related to the elongate fracture zones characterized by silicification, kaolinitization, and abundant disseminated pyrite. The potential for locating significant volcanogenic, polymetallic massive sulphide deposits is remote.

The 300+ m long northeast-trending gold-in-soil geochemical anomaly is significant and is likely related to elevated gold values within the altered, pyritic, and quartz veined fracture zone. This zone could represent an epithermal gold occurrence and warrants further investigation.

RECOMMENDATIONS

It is recommended that the gold-in-soil geochemical anomaly in the northwestern part of the grid area be evaluated by additional lithogeochemical sampling. At least 50 m of channel sampling should be done in order to obtain two sections across the prospective fracture/alteration/pyritic zone. It will be necessary to sample a number of outcrops in order to obtain a complete composite section. A portable diamond saw will be the most effective tool for this program.

CERTIFICATE

I, David George DuPré, of 13116 Bonaventure Drive S.E. in the City of Calgary in the Province of Alberta, do hereby certify that:

1. I am a graduate of the University of Calgary, B.Sc. Geology (1969), and have practised my profession continuously since graduation.

2. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta; and I am a Fellow of the Geological Association of Canada.

3. I am a Consulting Geologist associated with the firm of Taiga Consultants Ltd. with offices at Suite 100, 1300 - 8th Street S.W., Calgary, Alberta.

4. I am the author of the report entitled "Geological and Geochemical Report on the **JASPER PROPERTY**, Victoria Mining District, N.T.S. 92-C/15, British Columbia", dated September 21, 1987.

5. I personally supervised the field work on the property.

6. I do not own or expect to receive any interest (direct, indirect, or contingent) in the property described herein nor in the securities of **ASAMERA INC.**, in respect of services rendered in the preparation of this report.

DATED at Calgary, Alberta, this 21st day of September, A.D. 1987.

Respectfully submitted,

PROFESSIONAL GEOLOGIST
DAVID G. DUPRÉ

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APPENDIX

Rock Sample Descriptions

Certificates of Analysis

Rock Sample Descriptions

Sample	Description	Analytical Results Cu ppm	Zn ppm	Au ppb
R2 07/15 CC	silicified intermediate flow, minor quartz stockwork, 1% Py	235	240	5
R2 07/15 G	silicified mafic flow, minor quartz stockwork, tr diss Py	73	235	<5
R2 07/15 I	silicified intermediate flow, mod. quartz stockwork, tr Py	23	117	<5
R2 07/15 II	silicified intermediate flow, quartz stockwork, tr Py	23	54	15
R2 07/15 LL	silicified intermediate flow, highly fractured, 1-5% diss Py	39	120	<5
R2 07/15 M	weakly silicified mafic flow, locally brecciated, minor sericite	21	106	<5
R2 07/15 Q	weakly silicified, kaolinitized mafic flows, 1% Py	23	210	<5
R2 07/16 AA	weakly silicified, kaolinitized intermediate flows, sampled 1 cm wide quartz vein	22	21	<5
R2 07/16 CC	kaolinitized mafic flow, minor quartz stockwork, 1% diss f.g. Py	49	265	<5
R2 07/16 E	silicified, kaolinitized mafic flows, 5-10% Py along fractures, trace to 1% Sph, Cpy	6,100	13,000	15
R2 07/16 EE	silicified intermediate lapilli tuff, 1% diss Py, tr malachite	370	375	15
R2 07/16 G	intermediate flow, 1% Py on fractures	77	305	<5
R2 07/16 L	kaolinitized mafic or intermediate flow, 3% Py on fractures	425	170	<5
R2 07/16 S	intermediate vesicular flow, 2% Py	150	153	<5
R2 07/17 D	feldspar-phyrric intermediate flow,	180	235	<5

Sample	Description	Analytical Results Cu ppm	Zn ppm	Au ppb
R2 07/17 H	intensely kaolinitized and silicified intermediate flow breccia, minor quartz stockwork, minor jasperoid silica veining	13	80	<5
R2 07/18 DD	tuffaceous mudstone and siltstone, tr diss Py	36	6	<5
R2 07/18 EE	lahar, chlorite disks in mafic matrix, 1% Py	16	193	<5
R2 07/18 M	felsic flow and breccia	34	42	<5
R2 07/19 CC	feldspar-phyrric intermediate flow, minor epidote	24	62	<5
R2 07/19 O	feldspar-phyrric intermediate flow, trace Py	71	108	<5
R2 07/19 S	feldspar-phyrric intermediate flow	12	139	<5
R2 07/19 W	silicified intermediate flow, 30% quartz stockwork, 1% Py	16	23	65
R2 07/19 X	feldspar-phyrric intermediate flow, 3% quartz stockwork, 1-3% diss Py	11	365	20
R2 07/19 Y	intensely silicified intermediate flows, abundant quartz stockwork zones up to 20 cm thick	33	87	20
R2 07/20 CC	lahar, abundant chlorite in matrix	4	120	5
R2 07/20/P	silicified and kaolinitized intermediate flow, mod. quartz stockwork	65	102	<5
R2 07/21 B	moderately silicified intermediate flows, mod. quartz stockwork	92	84	<5
R2 07/21 F	lahar, abundant chlorite in matrix	35	197	<5
R2 07/21 N	"Main Showing", massive sulphides (Sph, Py) with 1% Cpy	9,000	25.6%	300
R2 07/21 V	weakly kaolinitized and silicified intermediate flows, minor quartz stockwork, trace malachite	67	900	<5

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Geochemical Lab Report

REPORT: 127-5626 (COMPLETE)

REFERENCE INFO:

CLIENT: TAIGA CONSULTANTS LTD.
PROJECT: K-GC-8

SUBMITTED BY: DUPRE
DATE PRINTED: 7-AUG 87

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu	Copper	185	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
2	Pb	Lead	185	2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
3	Zn	Zinc	185	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
4	Ag	Silver	185	0.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
5	Mn	Manganese	185	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
6	Au	Gold - Fire Assay	185	5 PPB	FIRE-ASSAY	Fire Assay AA
7	Au/wt	Sample weight/grams	184	0.1 G		
8	Au/wt	-20 Au Sample Weight	8	0.1 G		
9	Ba	Barium	185	20 PPM		X-RAY Fluorescence

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	154	1 -80	154	DRY, SEIVE -80	154
R ROCK OR BED ROCK	31	2 -150	31	CRUSH,PULVERIZE -150	31

NOTES: = indicates SEE OBS REMARKS

REMARKS: = - Ba - INTERFERENCE NOTED DUE TO HIGH Zn.
ASSAY OF HIGH Zn TO FOLLOW ON 627-5626.

REPORT COPIES TO: MR. D.G. DUPRE
MR. G.Z. MOSHER

INVOICE TO: MR. D.G. DUPRE

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S1 4300N 4700E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S1 4300N 4725E	210	[illegible]	[illegible]	[illegible]	[illegible]	15	[illegible]
S1 4300N 4775E	145	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S1 4300N 4825E	[illegible]	10	152	[illegible]	[illegible]	<5	[illegible]
S1 4300N 4850E	26	[illegible]	[illegible]	[illegible]	115	<5	[illegible]
S1 4300N 4875E	[illegible]	[illegible]	[illegible]	[illegible]	152	<5	[illegible]
S1 4300N 4900E	[illegible]	[illegible]	165	<0.1	[illegible]	[illegible]	[illegible]
S1 4300N 4975E	67	[illegible]	[illegible]	[illegible]	[illegible]	<5	10.0
S1 4300N 5000E	148	[illegible]	152	[illegible]	[illegible]	[illegible]	[illegible]
S1 4300N 5050E	78	11	129	<0.1	465	10	[illegible]
S1 4300N 5125E	[illegible]	[illegible]	33	<0.1	73	<5	5.0
S1 4300N 5150E	46	12	[illegible]	[illegible]	575	<5	10.0
S1 4300N 5175E	46	[illegible]	74	[illegible]	[illegible]	<5	10.0
S1 4300N 5200E	[illegible]	[illegible]	[illegible]	<0.1	430	<5	10.0
S1 4400N 4700E	22	8	60	0.2	196	<5	[illegible]
S1 4400N 4725E	58	12	97	[illegible]	270	<5	10.0
S1 4400N 4750E	62	14	147	<0.1	485	15	10.0
S1 4400N 4775E	21	10	40	[illegible]	146	<5	10.0
S1 4400N 4800E	35	10	79	0.1	240	<5	10.0
S1 4400N 4825E	9	5	24	<0.1	46	<5	10.0
S1 4400N 4850E	41	12	48	0.1	189	<5	10.0
S1 4400N 4875E	4	5	63	<0.2	112	<5	5.0
S1 4400N 4900E	51	16	69	0.8	250	<5	10.0
S1 4400N 4925E	149	46	147	1.7	465	10	10.0
S1 4400N 4950E	177	17	235	0.2	295	<5	10.0
S1 4400N 4975E	31	14	32	<0.1	200	<5	10.0
S1 4400N 5000E	4	5	54	<0.1	106	<5	8.0
S1 4400N 5075E	200	10	155	<0.1	725	5	10.0
S1 4400N 5150E	9	4	41	<0.1	172	<5	10.0
S1 4400N 5250E	22	5	66	<0.1	200	<5	10.0
S1 4400N 5300E	157	10	166	<0.1	505	<5	10.0
S1 4400N 5375E	18	8	41	<0.1	178	<5	10.0
S1 4500N 4700E	10	10	73	<0.1	610	<5	10.0
S1 4500N 4725E	72	22	131	0.2	355	<5	10.0
S1 4500N 4750E	61	11	147	<0.1	1150	<5	10.0
S1 4500N 4775E	18	12	74	<0.1	440	<5	10.0
S1 4500N 4800E	26	10	225	<0.1	1150	<5	10.0
S1 4500N 4825E	17	11	45	0.1	148	<5	10.0
S1 4500N 4850E	76	11	37	0.2	985	<5	10.0
S1 4500N 4875E	23	10	56	0.2	144	<5	7.0

Rightmost column values, in the same row order: [illegible], [illegible], [illegible], 190, [illegible], [illegible], 500, [illegible], 210, 130, [illegible], 560, 260, 570, 100, 200, 340, 120, 360, 220, 180, <20, 130, 220, 320, 100, <20, 340, <20, 160, 200, 170, <20, 220, 300, [illegible], 230, 130, 220, 120

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PROJECT: K-BC-8

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Au PPB	Au/wt G	Au/wt G	Ba PPM
S1 4500N 4900E		7	13	64	0.1	465	<5	3.0	7.0	40
S1 4500N 4925E		13	9	32	<0.1	345	<5	10.0		40
S1 4500N 4950E		92	53	145	<0.1	475	<5	10.0		270
S1 4500N 4975E		27	13	46	0.2	205	<5	10.0		240
S1 4500N 5000E		42	15	47	<0.1	195	<5	10.0		370
S1 4500N 5025E		19	10	59	0.1	370	<5	10.0		180
S1 4500N 5050E		22	23	43	0.1	196	<5	10.0		190
S1 4500N 5075E		62	49	99	<0.1	440	<5	10.0		200
S1 4500N 5100E		5	2	29	<0.1	18	25	6.0		<20
S1 4500N 5125E		3	4	54	<0.1	540	20	10.0		260
S1 4500N 5200E		31	7	65	0.2	265	<5	10.0		180
S1 4500N 5275E		15	8	55	<0.1	1100	<5	10.0		300
S1 4500N 5300E		16	8	52	0.1	355	<5	10.0		270
S1 4500N 5325E		6	7	51	<0.1	43	<5	5.0		190
S1 4600N 4700E		13	6	52	<0.1	161	<5	5.0		<20
S1 4600N 4725E		21	13	71	0.3	260	<5	10.0		270
S1 4600N 4750E		56	27	275	0.4	3750	<5	10.0		200
S1 4600N 4775E		6	6	39	<0.1	59	<5	3.0	7.0	40
S1 4600N 4800E		28	10	45	<0.1	158	<5	10.0		100
S1 4600N 4825E		19	11	40	<0.1	215	<5	10.0		220
S1 4600N 4975E		130	5	32	0.4	23	<5		10.0	<20
S1 4600N 5000E		78	73	61	0.6	178	10	10.0		200
S1 4600N 5025E		11	9	44	0.3	178	10	10.0		100
S1 4600N 5050E		11	8	55	<0.1	230	<5	10.0		100
S1 4600N 5075E		30	5	70	<0.1	735	<5	10.0		160
S1 4600N 5100E		17	7	60	<0.1	795	<5	10.0		250
S1 4600N 5125E		22	5	60	<0.1	240	<5	10.0		140
S1 4600N 5175E		18	8	87	0.2	345	<5	10.0		160
S1 4600N 5200E		10	7	42	0.2	154	<5	10.0		100
S1 4600N 5225E		32	7	67	<0.1	355	<5	10.0		240
S1 4600N 5275E		22	9	50	<0.1	365	<5	10.0		240
S1 4600N 5300E		22	9	58	<0.1	300	<5	10.0		270
S1 4600N 5350E		18	12	47	0.3	445	<5	10.0		260
S1 4700N 4700E		34	56	96	0.1	230	<5	10.0		150
S1 4700N 4725E		64	77	112	0.1	233	<5	10.0		180
S1 4700N 4750E		20	19	85	0.2	125	25	10.0		170
S1 4700N 4775E		36	44	64	0.3	186	10	10.0		150
S1 4700N 4800E		12	9	61	0.3	93	<5	10.0		80
S1 4700N 4625E		62	21	245	0.3	285	5	10.0		290
S1 4700N 4850E		95	19	141	0.6	250	10	10.0		210

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Geochemical Lab Report

REPORT: 127-5626

PROJECT: K-BC-8 PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Au PPB	Au/wt G	Au/wt G	Ba PPM
S1 4700N 4875E		42	21	117	1.0	190	90	10.0		300
S1 4700N 4900E		5	4	43	<0.1	22	580	3.0	7.0	<20
S1 4700N 4925E		31	7	76	<0.1	87	10	6.0		70
S1 4700N 4950E		17	11	30	<0.1	145	<5	10.0		280
S1 4700N 5000E		82	16	73	0.4	230	10	10.0		510
S1 4700N 5025E		43	13	52	0.3	300	<5	10.0		320
S1 4700N 5050E		76	20	155	0.2	440	15	10.0		480
S1 4700N 5075E		27	16	91	<0.1	255	<5	10.0		290
S1 4700N 5100E		3	6	31	<0.1	23	<5	9.0		<20
S1 4700N 5125E		20	6	46	<0.1	205	<5	10.0		150
S1 4700N 5150E		26	7	36	<0.1	166	<5	10.0		110
S1 4700N 5175E		19	8	37	<0.1	151	<5	10.0		120
S1 4700N 5200E		13	6	35	<0.1	157	<5	10.0		250
S1 4700N 5225E		17	11	61	<0.1	265	<5	10.0		270
S1 4700N 5275E		7	6	26	<0.1	72	<5	10.0		150
S1 4700N 5325E		18	5	31	<0.1	145	<5	10.0		90
S1 4700N 5350E		18	6	30	<0.1	154	<5	10.0		110
S1 4800N 4700E		9	6	24	<0.1	97	<5	10.0		150
S1 4800N 4725E		57	10	69	<0.1	210	<5	10.0		80
S1 4800N 4750E		9	7	77	<0.1	179	<5	7.0		<20
S1 4800N 4775E		4	5	65	0.2	47	<5	10.0		<20
S1 4800N 4825E		13	60	40	<0.1	345	15	10.0		<20
S1 4800N 4850E		35	29	73	0.1	260	15	10.0		220
S1 4800N 4975E		23	23	115	0.8	255	<5	8.0		<20
S1 4800N 5000E		79	29	300	0.2	5450	<5	10.0		340
S1 4800N 5025E		19	25	71	0.2	250	<5	10.0		70
S1 4800N 5075E		54	13	97	0.6	250	<5	8.0		50
S1 4800N 5100E		3	3	74	0.1	81	<5	4.0	6.0	<20
S1 4800N 5150E		8	6	33	<0.1	136	<5	10.0		180
S1 4800N 5175E		30	8	65	<0.1	210	<5	10.0		210
S1 4800N 5200E		14	11	30	<0.1	131	<5	10.0		330
S1 4800N 5225E		23	9	77	0.2	545	<5	10.0		240
S1 4800N 5250E		26	8	74	0.2	550	<5	10.0		230
S1 4800N 5275E		24	7	73	0.1	585	<5	10.0		260
S1 4800N 5325E		23	7	47	0.4	335	<5	10.0		110
S1 4800N 5350E		18	7	43	<0.1	360	<5	10.0		130
S1 4800N 5375E		25	7	71	<0.1	580	<5	10.0		250
S1 4900N 4700E		33	9	93	<0.1	245	<5	10.0		210
S1 4900N 4725E		9	13	62	0.2	405	<5	5.0		40
S1 4900N 4750E		12	4	52	0.1	88	<5	10.0		<20

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PROJECT: K-8C-8 PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Au PPB	Au/wt G	Au/wt G	Ba PPM
S1 4900N 4775E		33	12	51	0.2	245	<5	10.0		100
S1 4900N 4800E		215	12	57	0.1	265	<5	10.0		70
S1 4900N 4825E		43	17	60	0.2	155	<5	10.0		180
S1 4900N 4850E		19	10	50	0.1	280	<5	10.0		50
S1 4900N 4900E		46	14	63	0.2	565	150	10.0		280
S1 4900N 4925E		55	10	70	0.4	285	<5	10.0		150
S1 4900N 4950E		90	21	109	0.6	1150	<5	10.0		90
S1 4900N 4975E		82	14	86	0.3	310	<5	10.0		220
S1 4900N 5025E		69	11	112	0.7	325	<5	10.0		230
S1 4900N 5050E		22	10	47	0.2	199	<5	10.0		500
S1 4900N 5075E		8	9	44	<0.1	270	<5	10.0		1000
S1 4900N 5100E		9	6	25	<0.1	146	<5	10.0		220
S1 4900N 5125E		6	8	29	<0.1	125	<5	10.0		360
S1 4900N 5150E		12	6	30	0.2	192	<5	10.0		190
S1 4900N 5175E		8	5	35	0.2	184	<5	10.0		400
S1 4900N 5200E		13	46	44	<0.1	152	<5	10.0		170
S1 4900N 5225E		29	5	49	<0.1	215	<5	10.0		150
S1 4900N 5250E		38	5	54	<0.1	305	<5	10.0		150
S1 4900N 5300E		7	8	38	0.1	87	<5	10.0		200
S1 4900N 5325E		4	<2	27	0.1	12	<5	9.0		<20
S1 4900N 5350E		15	7	39	0.2	183	<5	10.0		100
S1 4900N 5375E		67	43	82	<0.1	630	<5	10.0		320
S1 5000N 4725E		75	9	345	<0.1	585	<5	10.0		260
S1 5000N 4750E		28	10	70	<0.1	350	<5	10.0		220
S1 5000N 4775E		20	9	55	<0.1	213	<5	10.0		260
S1 5000N 4825E		32	72	76	0.6	420	20	8.0		220
S1 5000N 4875E		46	40	55	0.6	103	5	3.0	7.0	100
S1 5000N 4900E		68	10	112	0.1	275	<5	10.0		240
S1 5000N 4925E		6	12	60	<0.1	270	<5	2.0	8.0	<20
S1 5000N 4950E		67	12	102	0.3	470	<5	10.0		190
S1 5000N 4975E		53	7	66	<0.1	320	40	10.0		210
S1 5000N 5100E		41	9	77	0.1	275	<5	10.0		330
S1 5000N 5125E		6	6	40	0.1	90	<5	2.0	8.0	<20
S1 5000N 5150E		10	6	27	<0.1	142	<5	10.0		170
R2 07/15 CC		235	12	240	0.2	1400	5	10.0		7700
R2 07/15 G		73	7	235	<0.1	1700	<5	10.0		1500
R2 07/15 I		23	4	117	0.1	605	<5	10.0		740
R2 07/15 II		23	5	54	<0.1	515	15	10.0		710
R2 07/15 LL		39	9	120	<0.1	745	<5	10.0		320
R2 07/15 M		21	2	106	<0.1	880	<5	10.0		280

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PROJECT: K-BC 8 PAGE 5

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Au PPB	Au/wt G	Au/wt G	Ba PPM
R2 07/15 Q		33	8	210	0.3	1500	<5	10.0		360
R2 07/16 AA		22	42	21	0.2	[illegible]	<5	10.0		2000
R2 07/16 C		49	4	265	<0.1	1600	<5	10.0		840
R2 07/16 E		6100	157	10000	4.6	2400	15	10.0		1700
R2 07/16 EE		370	9	375	0.5	325	15	10.0		420
R2 07/16 G		77	3	305	0.1	3200	<5	10.0		1700
R2 07/16 L		425	3	170	<0.1	1550	<5	10.0		4600
R2 07/16 S		150	11	153	<0.1	1250	<5	10.0		410
R2 07/17 D		180	4	235	<0.1	1750	<5	10.0		2400
R2 07/17 H		13	3	80	<0.1	650	<5	10.0		1600
R2 07/18 DD		36	6	89	<0.1	890	<5	10.0		1300
R2 07/18 FE		16	7	123	<0.1	970	<5	10.0		950
R2 07/18 M		34	3	42	<0.1	320	<5	10.0		950
R2 07/19 CC		24	3	62	<0.1	1500	<5	10.0		1000
R2 07/19 O		71	6	108	<0.1	905	<5	10.0		1100
R2 07/19 S		12	7	139	<0.1	850	<5	10.0		580
R2 07/19 W		16	59	23	<0.1	60	65	10.0		420
R2 07/19 X		11	19	365	0.6	1100	20	10.0		5500
R2 07/19 Y		33	900	87	3.1	107	20	10.0		3000
R2 07/20 CC		4	5	120	<0.1	770	5	10.0		460
R2 07/20 P		65	18	102	<0.1	270	<5	10.0		280
R2 07/21 B		92	420	84	<0.1	675	<5	10.0		1100
R2 07/21 F		35	18	197	<0.1	815	<5	10.0		650
R2 07/21 N		9000	550	>20000	15.0	130	300	10.0		1200
R2 07/21 V		67	7	900	0.2	1200	<5	10.0		1800

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Certificate of Analysis

REPORT: 627-5626 (COMPLETE)

REFERENCE INFO:

CLIENT: TAIGA CONSULTANTS LTD.
PROJECT: K-BC-8

SUBMITTED BY: DUPRE
DATE PRINTED: 12-AUG-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Zn	Zinc	1	0.01 PCT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	1	2 -150	1	AS RECEIVED, NO SP	1

REPORT COPIES TO: MR. D.G. DUPRE
MR. G.Z. MOSHER

INVOICE TO: MR. D.G. DUPRE

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BONDAR-CLEGG

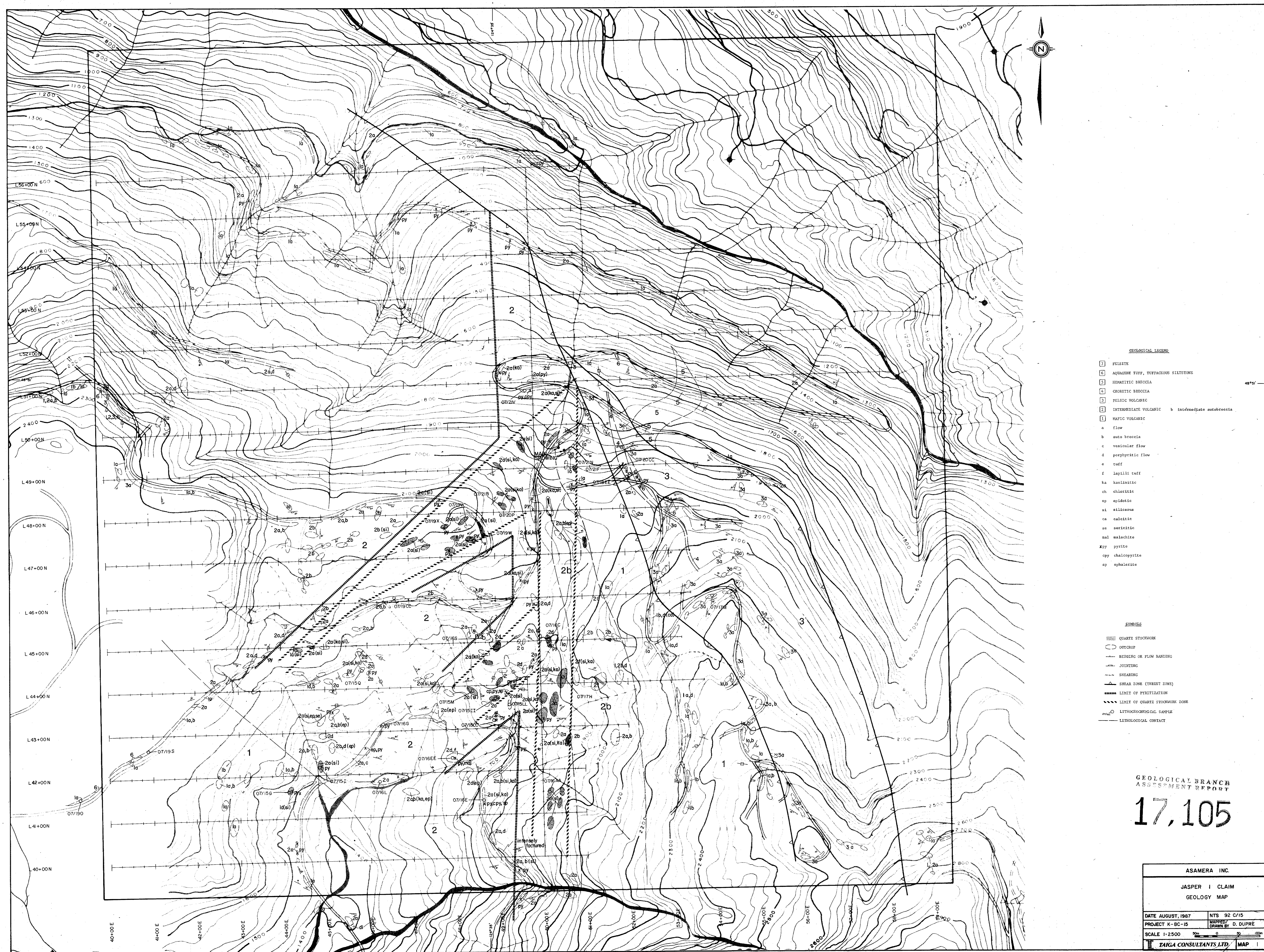
Certificate of Analysis

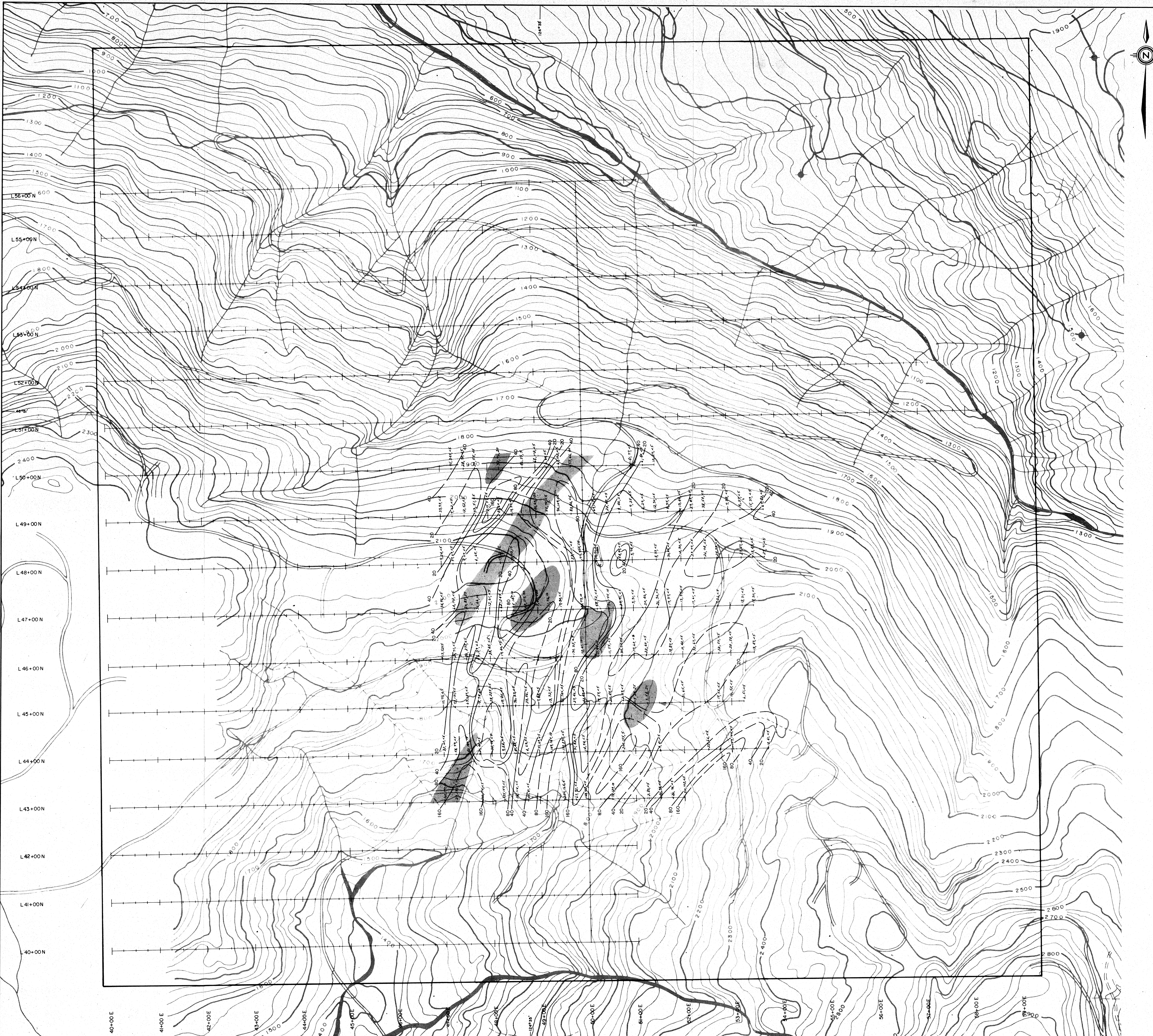
REPORT: 627-5626

PROJECT: K-BC-8

SAMPLE NUMBER	ELEMENT UNITS	Zn PCT
R2 07/21 N		25.60

Registered Assayer, Province of British Columbia


GEOLOGICAL LEGEND
7 FELSITE
6 AQUAGENE TUFF, TUFFACEOUS SILTSTONE
5 HEMATITIC BRECCIA
4 CHORITIC BRECCIA
3 FELSIC VOLCANIC
2 INTERMEDIATE VOLCANIC b intermediate autobreccia
1 MAFIC VOLCANIC
a flow
b auto breccia
c vesicular flow
d porphyritic flow
e tuff
f lapilli tuff
ka kaolinitic
ch chloritic
ep epidotic
si siliceous
ca calcitic
se sericitic
mal malachite
xpy pyrite
cpy chalcopyrite
sp sphalerite
SYMBOLS
QUARTZ STOCKWORK
OUTCROP
BEDDING OR FLOW BANDING
JOINTING
SHEARING
SHEAR ZONE (THRUST ZONE)
LIMIT OF PYRITIZATION
LIMIT OF QUARTZ STOCKWORK ZONE
LITHOGEOCHEMICAL SAMPLE
LITHOLOGICAL CONTACT
GEOLOGICAL BRANCH ASSESSMENT REPORT
17,105
ASAMERA INC.
JASPER I CLAIM
GEOLOGY MAP
DATE AUGUST, 1987
NTS 92 C/15
PROJECT K-BC-15
MAPPED/ DRAWN BY D. DUPRE
SCALE 1:2500
50m 0 50 100m
TAIGA CONSULTANTS LTD.
MAP 1



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,105

Geochemical Analysis

157,166,<5 (Cu in ppm, Zn in ppm, Au in ppb)

Legend

Gold-in-soil Geochemical Anomaly (>10ppb)

80 — Copper-in-soil Geochemical Results (ppm)

ASAMERA INC.	
JASPER I CLAIM SOIL GEOCHEMISTRY	
DATE AUGUST, 1987	NTS 92 C/15
PROJECT K-BC-15	MAPPED/ DRAWN BY D. DUPRE
SCALE 1:2500 50m 0 50 100m	
TAIGA CONSULTANTS LTD	MAP 2