83-#447

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

SAM, SKYE AND AFTA CLAIM GROUP

Slocan Mining Division, British Columbia

Claims:	SAM	(3175 [9])
	SKYE	(3176 [9])
	AFTA	(3177 [9])

Latitude: 50°07' N.
Longitude: 117°48' W.
N.T.S. 82K/4W

Owner: REA GOLD CORPORATION
Suite 15 - 817 Granville Street
Vancouver, B.C. V6Z 1K8

Operator: HUDSON PETROLEUM LTD.
4255 Fitzgerald Avenue
Burnaby, B.C. V5G 4H8

Consultant: MINOREX CONSULTING LTD.
2391 Bossert Avenue
Kamloops, B.C. V2B 4V6

September 16, 1983

J.D. Blanchflower, F.G.A.C.
Geologist

TABLE OF CONTENTS

APPENDIX

LIST OF ILLUSTRATIONS

INTRODUCTION

Rea Gold Corporation of Suite 15 - 817 Granville Street, Vancouver, B.C. owns three contiguous mineral claims situated in the Slocan Mining Division, southeastern British Columbia. This report, prepared at the request of the directors of Hudson Petroleum Ltd., describes the establishment of a control grid and the subsequent geological and geochemical surveys of the subject claim group.

The purpose of the surveys was to evaluate the exploration potential of the claim group. This assessment work, including report preparation, was undertaken between August 5 and September 16, 1983.

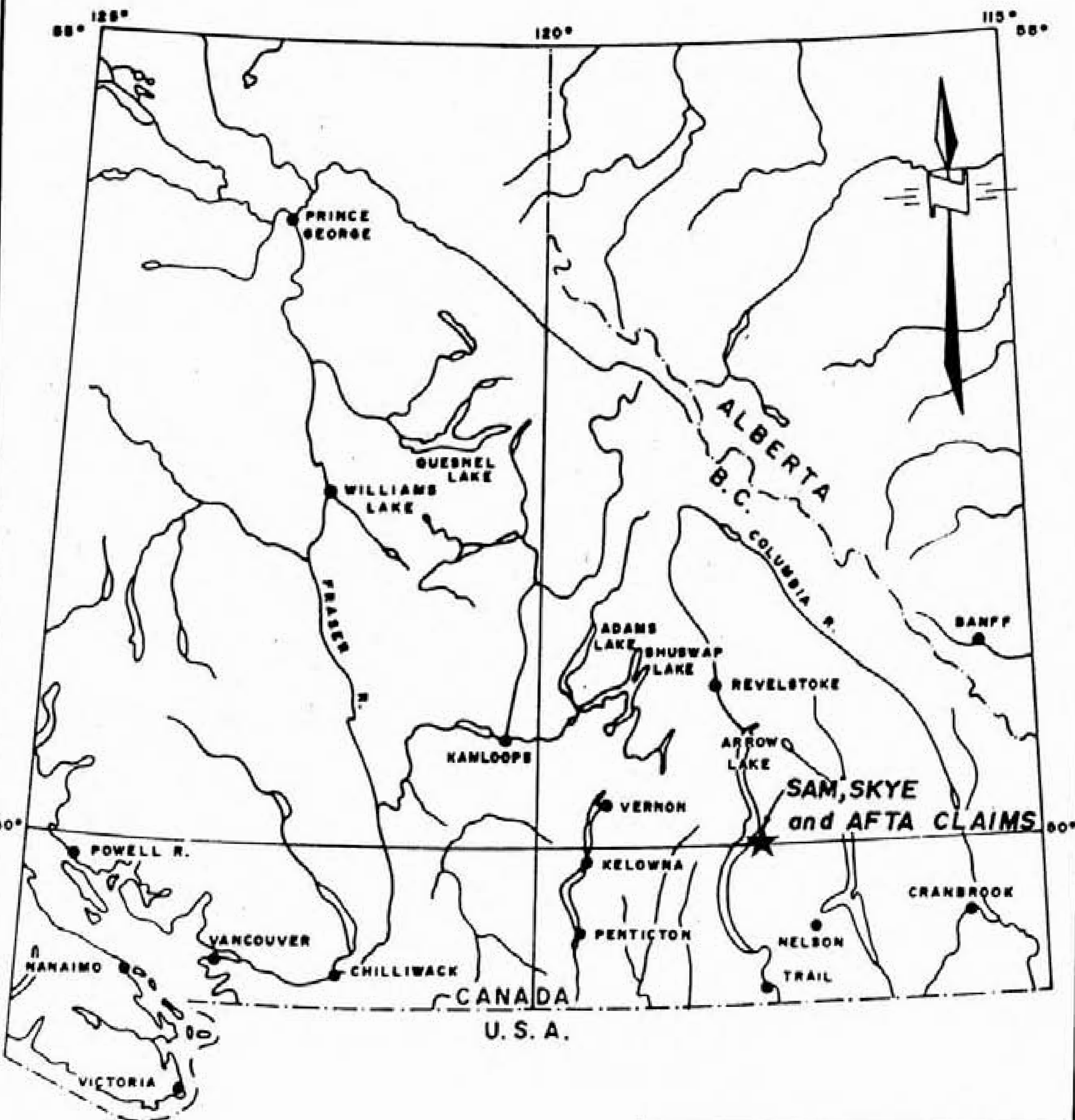
SUMMARY

The subject property is comprised of three contiguous M.G.S. mineral claims, totalling 45 units. The claims are situated on the east side of the Columbia River, 13 miles south of Nakusp, B.C. They are located in the Slocan Mining Division at geographic co-ordinates 50°07' N. latitude by 117°48' W. longitude (N.T.S. 82K 14 W).

Vehicular access to the northern portions of the claim group is possible via Highway 6 south from Nakusp, a distance of 15 kilometres by road. The extreme southern portions of the SAM and SKYE claims are accessible via several seasonal, gravel logging roads east and north of Burton, B.C.

The SAM (3175 [9]), SKYE (3176 [9]) and AFTA (3177 [9]) minerals claims are owned by Rea Gold Corporation of Vancouver, B.C. Under the terms of a joint venture agreement dated in November, 1983 Hudson Petroleum Ltd. is financing the first $70,000 of exploration and development.

The claims cover a steep hillside between the flooded Columbia River and a plateau between Scalping Knife Mountain and Mountain Meadow. Elevations range from 1,450 feet (440 m.) to 4,500 feet (1,370 m.) A.M.S.L.



REA GOLD CORPORATION	
LOCATION MAP **SAM, SKYE and AFTA CLAIMS** SLOCAN MINING DIVISION, B.C.	
Date: September 1983	Scale 1" = 64 Miles
Dwn by: J.D.B.	Dwg no. 1

With recent exploration and development on the Tillicum Mountain gold property, owned by La Teko Resources Ltd. and Esperanza Explorations Ltd., the whole region has been staked and is undergoing renewed activity. Although there is no known base - or precious-metal mineralization on the subject claim group, exploration undertaken on other adjoining properties has been successful in discovering interesting gold mineralization.

The results of the geological survey show that the claim group is underlain by metamorphosed sedimentary and volcanic rocks belonging to the Milford, Kaslo and Slocan Groups. These groups range in age from Mississippian to Lower Jurassic. A small stock, genetically related to the Cretaceous Ruby Range Stock, has intruded Slocan metasediments along the southern boundary of the SKYE claim.

In total 33.15 kilometres of grid lines were established, and 649 soil and 22 silt geochemical samples were collected and analysed for gold, copper, lead, zinc and silver values.

Soil geochemical surveying has identified eleven geochemically anomalous areas: seven areas with coincident copper, zinc and silver anomalous values and four sites with gold values exceeding 210 p.p.b. Au.

This claim group is a very interesting exploration target and it certainly warrants further exploration. A detailed exploration programme is recommended to test the potential of the claim.

PROPERTY AND OWNERSHIP

The subject property is comprised of three contiguous M.G.S. mineral claims, all with a common Legal Corner Post (L.C.P.). The following table gives all pertinent claim data.

Claim Name	Record No.	Units	Record Date	Registered Owner
SAM	3175	18	Sept. 20, 1982	Rea Gold Corporation
SKYE	3176	18	Sept. 20, 1982	Rea Gold Corporation
AFTA	3177	9	Sept. 20, 1982	Rea Gold Corporation

Due to their location relative to the Columbia River reservoir on the northwest and pre-existing claims on the south and east the SAM, SKYE and AFTA claims, totalling 45 units, cover a valid area of 29 units. The configuration of the claims and their relationship to adjoining and pre-existing claims is shown in Figure 2 accompanying this report. Figure 2 is a reproduction of a part of the B.C. Ministry of Mines claim map 82K/4W.

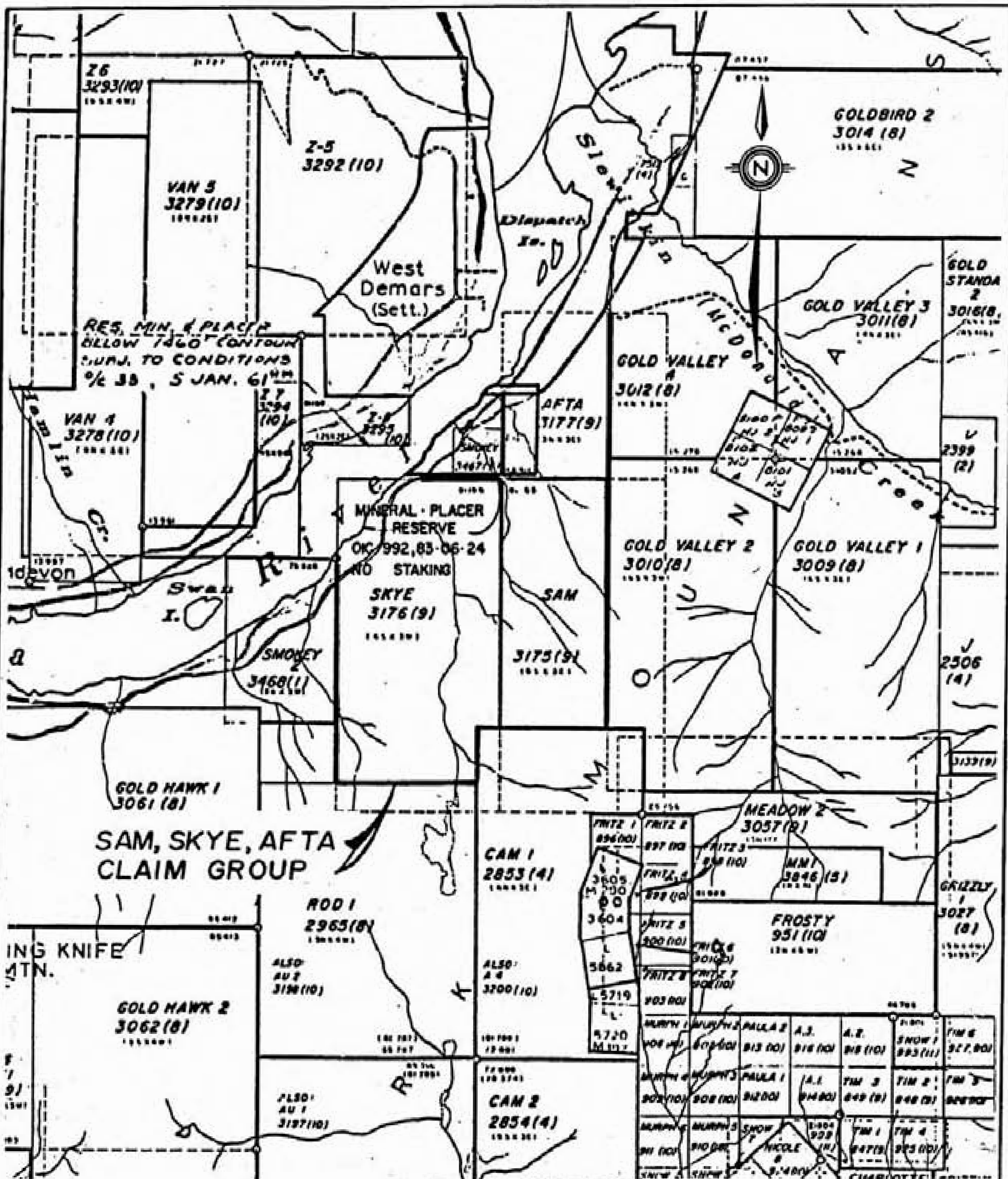
The SAM, SKYE and AFTA claims were grouped on September 19, 1983.

The three subject claims are owned by Rea Gold Corporation of Vancouver, B.C. Under the terms of a joint venture agreement dated November 15, 1982 Hudson Petroleum Ltd. may earn a 50% interest in the property by financing the first $70,000 of exploration costs.

LOCATION AND ACCESS

The claims are situated on the east side of the Columbia River, 13 kilometres due south of Nakusp, B.C. Their geographic coordinates are 50°07' N. latitude by 117°48' W. longitude, N.T.S. 82K/4W.

Vehicular access to the lower, northern portions of the claim group is possible via Highway 6 approximately 15 kilometres by road from Nakusp. The upper, southern portions of the SAM and SKYE claims are accessible via Highway 6 from Nakusp south to Burton;



REA GOLD CORPORATION
VANCOUVER, BRITISH COLUMBIA

CLAIM PLAN
SAM, SKYE and AFTA CLAIMS
SLOCAN MINING DIVISION, B.C.

Drawn by J. D. B.	Scale 1 : 50,000
Date September, 1983	Figure No 2

To accompany report by J. D. Blanchflower, 1983 thence; eastward on the Caribou Creek road to a point about a kilometre west of the new southern Caribou Creek road. A seasonal gravel road leads north to a plateau between Scalping Knife Mountain and Mountain Meadow. Several logging access roads from this northerly haulage road provide vehicular access to the extreme southern end of the SAM claim.

PHYSIOGRAPHY

The claims extend southward from the east bank of the now flooded Columbia River reservoir, the southern end of Upper Arrow Lake, to a subalpine plateau between Scalping Knife Mountain and Mountain Meadow.

Elevations range from 1,450 feet (440 m.) at lake level to 4,500 feet (1,370 m.) A.M.S.L. on the plateau.

The climate is typical of the southern Selkirk region, temperatures ranging between -20° C. and +25° C. Precipitation usually totals 600 mm. annually and snowfalls are generally 200 to 300 cm. The exploration season extends from May to November.

The area is heavily forested with cedar, hemlock, fir and jackpine. The lower portions of the claims are covered by a mature cedar forest with minimal undergrowth.

Although the claims are relatively well exposed many of the outcrops are inaccessible due to very steep cliff faces. The most accessible exposures occur within the several northerly trending drainages.

HISTORY

This region was first prospected in the late 1890's. Several prospects in the area produced small shipments of precious metal-bearing sulphide ores which were transported for milling in Rossland until 1929.

In recent years several major and junior mining companies have explored the region for its copper, molybdenum and tungsten potential with little success. However, it wasn't until 1980 when Arnold and Elain Gustafson of Nakusp, B.C. discovered visible gold mineralization near Tillicum Mountain that the region became known for its high-grade precious-metal potential.

The Gustafsons optioned the Tillicum property to Welcome North Mines and Esperanza Explorations Ltd., two junior resource companies, who conducted an extensive exploration programme in 1981. According to published reports (Kwong and Addie, 1982) a 21.3-ton bulk sample taken from the Money Pit Zone on the Tillicum property yielded 3.887 oz./ton gold, 2.30 oz./ton silver and 1.9% zinc. In 1982 La Teko Resources Ltd. became a joint venture partner with Esperanza in the development of this property.

Southeast of the claim group Mar Gold Resources has just finished a diamond drilling programme on their Meadow Mountain property. Their property was originally considered a porphyry copper with molybdenum and precious-metal potential. They have recently drilled their gold-bearing vein system with encouraging results.

Ark Energy Ltd. and Univex Mining Corporation Ltd. have joint ventured the old H.J. Mine on their Gold Valley claims, situated immediately east of the SAM and AFTA claims. Reserves of 2,050 tons are reported as developed ore across 2.44 feet grading 0.33 oz./T Au and 61.7 oz./T Ag in the underground workings. Nakusp Resources Ltd. holds the CAM claims to the south of the SKYE and SAM claims.

Although there are no known showings or mineralization on the subject claims, they are well situated with respect to the Tillicum Mountain, Meadow Mountain and Gold Valley properties.

GENERAL GEOLOGY

The region is underlain by several successions of late Paleozoic to Lower Jurassic-age sedimentary and volcanic rocks forming the Slocan Synclinorium. These rocks have been moderately to intensely folded and metamorphosed during the emplacement of Jurassic to Tertiary intrusives.

The Shuswap Metamorphic Complex of Proterozoic to Triassic age forms the basement rocks in the region. This Complex crops out north and west of the property and comprises calc-silicate gneiss, amphibolite, marble, schist and quartzite.

The Milford Group of pelitic schist, quartzite, metasandstone and paragneiss overlie the Shuswap Metamorphic Complex. These rocks were deposited in Upper Mississippian to Permian (?) time as a shelf sequence.

Meta-andesite flows, tuffs and breccias of the Permian to Triassic-age Kaslo Group overlie the Milford Group. An argillite unit, considered the youngest member of the Milford Group, immediately underlies the Kaslo Group volcanics on Tillicum Mountain and hosts the known gold-silver-sulphide mineralization. In fact, the Money Pit Zone occurs within 10 metres of the Kaslo-Milford stratigraphic contact (Kwong and Addie, 1982).

Sedimentary and volcanic rocks of the Slocan and Rossland Groups, Triassic to Lower Jurassic age, overlie the Kaslo Group.

All these sedimentary and volcanic strata have been intruded by a variety of alkaline to calc-alkaline intrusives. Within the area the most notable of the intrusions include the Kuskanax Batholith of Jurassic age and the Ruby Range Stock of Cretaceous age. The Ruby Range Stock occurs west and south of the property.

1983 EXPLORATION PROGRAMME

Based on recommendations by A. Burton, P. Eng. in his "Report on AFTA, SAM and SKYE CLAIM GROUP" dated November, 1982, a preliminary exploration programme was undertaken between August 5 and September 16, 1983. This programme was financed by Hudson Petroleum Ltd. and carried out by Minorex Consulting Ltd. The writer supervised the programme and geologically mapped the property. Mr. Ken Brouwer, a graduated geological engineer, and Mr. Mark Kilby, an experienced geotechnician, established the grid and collected the geochemical samples.

Grid Establishment

A ground control survey grid was established over the entire property utilizing the northern claim line of the SAM and SKYE claims for base line control. The grid consists of north-south lines spaced 200 metres apart with labelled survey stations at 50-metre intervals. All lines were well flagged and marked with Tyvek labels. Tie lines were run between grid lines at the northern and southern limits of the grid. In total 33.15 kilometres of survey grid were established.

Geological Survey

The claims were geologically surveyed at a scale of 1:5,000 using the established grid and available topographic maps for ground control. Mapping was limited to the better exposed and accessible portions of the claim group. Figure 4 accompanying this report documents the results of this geological survey.

a) Lithology

The claim group is underlain by metamorphosed sedimentary and/or volcanic rocks of the Milford, Kaslo and Slocan Groups. These metamorphic rocks have been deformed and displaced by regional folding and faulting. Along the southern boundary of the SKYE claim metamorphic rocks of the Slocan Group have been intruded by a faulted portion of the Cretaceous-age Ruby Range Stock.

The oldest rocks within the claims are biotitic schist and paragneiss of the Mississippian to Permian-age Milford group.

They crop out immediately east of Highway 6 within the SKYE claim, and again in the vicinity of the SAM and AFTA claims' common boundary. Locally these metamorphic rocks vary in colour from buff to dark brown depending on the original sedimentary composition.

At both true grid coordinates 84 N. by 86 E. and 9950 N. by 104 E. there is a 1 to 3-metre thick band of leucocratic paragneiss underlain and overlain by biotitic schist. Local quartz-feldspar boudins occur within the schistose rocks. Very fine-grained pyrite and/or pyrrhotite disseminations are common and widespread throughout the section. Foliation attitudes strike 027° and dip - 10° southwesterly.

At true grid coordinates 8350 N. by 8600 E. there is a stratigraphic contact between the Milford metasedimentary rocks and metamorphosed volcanic rocks of the Kaslo Group. The Kaslo Group of Permian and/or Triassic age is comprised of thinly-laminated to bedded, metamorphosed, fine-grained volcanoclastic rocks, amphibolite and minor fine-grained sedimentary rocks. Boudins and lenses of leucocratic quartz-feldspar are common. Limonitic staining is prominent within more biotitic and/or sulphide-rich units. Very fine-grained pyrite disseminations are common and widespread.

The Kaslo metavolcanic rocks are stratigraphically overlain by metamorphosed sedimentary and volcanic rocks of the Slocan Group. The Slocan Group of Triassic to (?) Lower Jurassic (Sinemurian) age is comprised of weakly-metamorphosed grey to black phyllite, argillite, quartzite and minor tuffaceous sediments; and more intensely metamorphosed grey mica schist and calc-silicate marble.

Grey micaceous schist stratigraphically overlies the Kaslo metavolcanics and crops out within the property as a northeasterly trending unit from true grid coordinates 72 N. by 86 E. to 100 N. by 100 E. The eastern portion of the SKYE claim and most of the SAM and AFTA claims are underlain by the weakly-metamorphosed Slocan Group rocks. Pyrite and/or pyrrhotite fine - to medium-grained disseminations and fracture fillings are common and widespread. Foliation attitudes vary widely within the Slocan rocks due mainly to northerly and northeasterly faulting.

At the extreme southern limit of the SKYE claim Slocan Group rocks have been intruded by an epiphesis of the Cretaceous-age Ruby Range Stock. This intrusion appears to be genetically related to the Ruby Range Stock of quartz diorite to monzonite composition but it has been displaced by a dextral, northerly striking and easterly dipping fault. Minor pyrite disseminations are common within the intrusive.

b) Structure

The structural setting within the claims is very complex. Statigraphic contacts are complicated by several periods of folding and faulting from Mesozoic to possibly Tertiary time.

Superficially the three dominant rock units trend northeasterly. Bedding and foliation attitudes vary widely throughout the property due largely to major northerly and northeasterly faulting.

The most obvious fault structure within the claims strikes north and dips east from true grid coordinates 72 N. by 100 E. to 98 N. by 97 E. This structure appears to post-date the Ruby Range Stock of Cretaceous-age. It has an apparent dextral strike-slip displacement. Quartz, calcite and pyrite infillings are common within the fault brecciated zone.

Since foliation, cleavage and lineation attitudes were taken on a relatively local scale it is difficult to relate this data to more regional fold structures.

c) Alteration

No significant rock alteration, other than those related to regional metamorphism, was observed during the survey. This would appear to indicate that the thermal metamorphism related to the Ruby Range intrusion was localized beyond the limits of the property.

d) Mineralization

Pyrite is the most abundant and widespread sulphide mineral. It commonly occurs as fine - to medium-grained, subhedral to euhedral disseminations or as fracture fillings.

Pyrrhotite usually occurs as disseminations within the more intensely metamorphosed rocks. It is more common in the Milford metasedimentary rocks.

Very fine-grained disseminations of magnetite are abundant and widespread.

Minor chalcopyrite disseminations with pyrite were discovered at grid coordinates 82 N. by 87 E. A 2-metre thick zone of grey mica schist hosts the sulphide mineralization.

No other sulphide mineralization was seen during the survey although anomalously high zinc and lead geochemical values (see Figure 5c) would indicate the presence of possible sphalerite and galena mineralization.

GEOCHEMICAL SURVEY

a) Soil Geochemical Survey

Soil samples of the upper "B" horizon were collected along grid lines at 50-metre intervals. The samples were placed in kraft paper envelopes and delivered to Kamloops Research and Assay Laboratory Ltd. of Kamloops, B.C. There, the samples were sieved to -80 mesh, and analysed by an atomic absorption spectrophotometer under the supervision of professional assayers. In total 649 samples were collected and analysed for gold (p.p.b.), copper (p.p.m.), lead (p.p.m.), zinc (p.p.m.) and silver (p.p.m.). The procedures of analysis are included with this report in Appendix 11. All analytical results are shown on Figures 5a, b and c, and accompany this report in Appendix 1.

b) Silt Geochemical Survey

In total 22 midstream silt sediment samples were collected from local drainages at various sites throughout the claims. All samples were placed in kraft paper envelopes and shipped to Kamloops Research and Assay Laboratory Ltd. of Kamloops, B.C. There, the samples were dried, sieved and analysed by an atomic absorption spectrophotometer for gold(p.p.b.), copper (p.p.m.), lead (p.p.m.), zinc (p.p.m.) and silver (p.p.m.). The silt geochemical results accompany the soil geochemical results.

DISCUSSION OF RESULTS

The results of the geological survey indicate that the property is underlain by weakly - to highly-metamorphosed sedimentary and volcanic rocks of the Milford, Kaslo and Slocan Groups. These rocks range in age from Mississippian to Lower Jurassic (Sinemurian). A small stock, genetically-related to the Cretaceous-age Ruby Range Stock, has intruded Slocan Group rocks along the southern boundary of the SKYE claim.

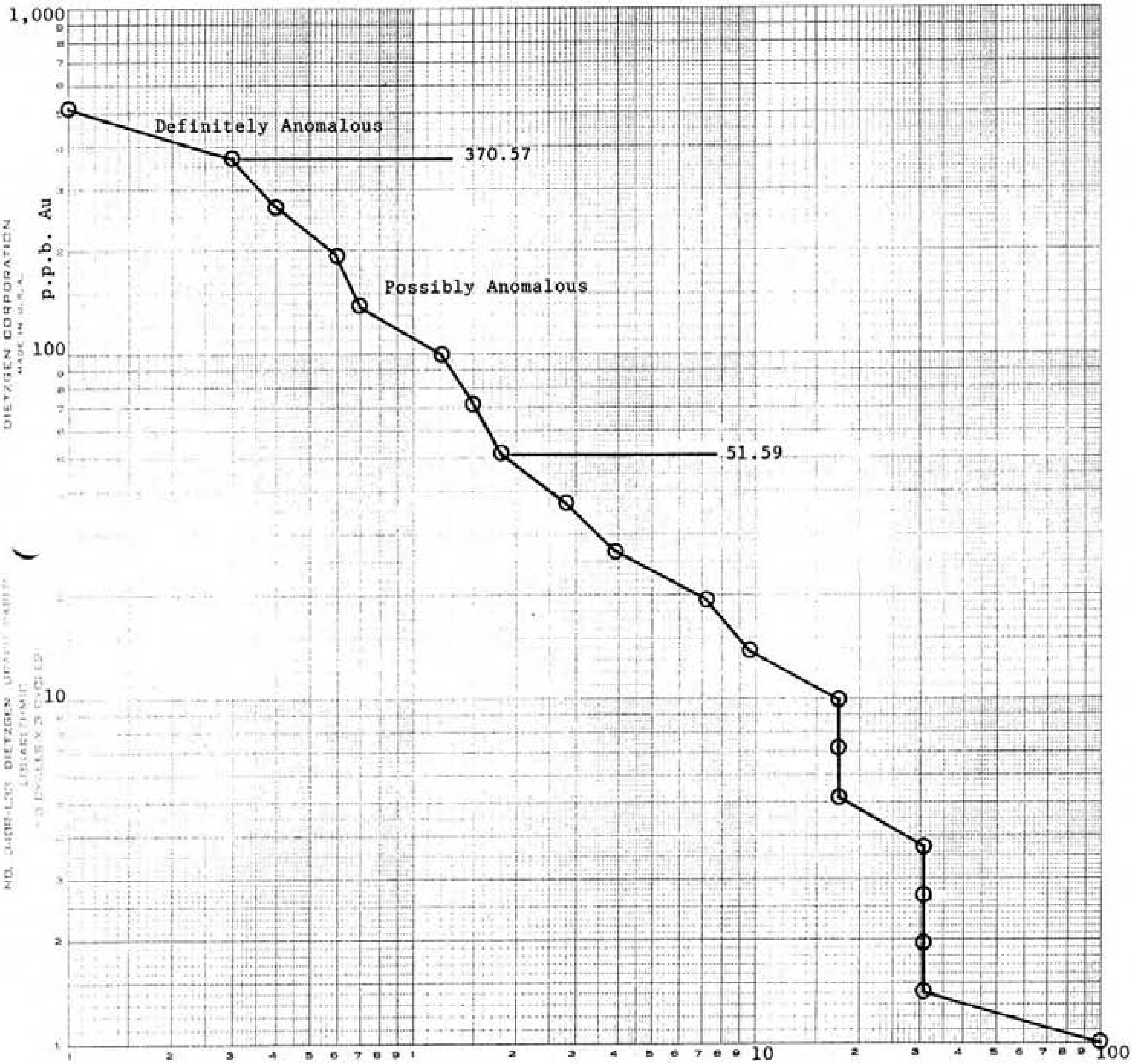
Despite a favourable local geologic setting, including regional folding and northerly to northeasterly strike-slip faulting, little significant base - or precious-metal mineralization was discovered. Pyrite and pyrrhotite mineralization is common and widespread as fine - to medium-grained disseminations or fracture fillings with quartz and calcite. Only minor chalcopyrite mineralization was discovered, associated with pyrite within a 2-metre wide zone in grey mica schist.

The results of the geochemical survey are considerably more encouraging than those of the geological survey. Frequency percent and cumulative frequency percent geostatistical data were generated using a TRS80 microcomputer and a conventional statistical software program. The geostatistical data accompanies this report in Appendix 111 and graphs of cumulative frequency percent versus geochemical values for each of the analysed elements are shown in Figures 3a, b, c, d, and e.

GOLD

Figure No. 3a

Cumulative Frequency Graph

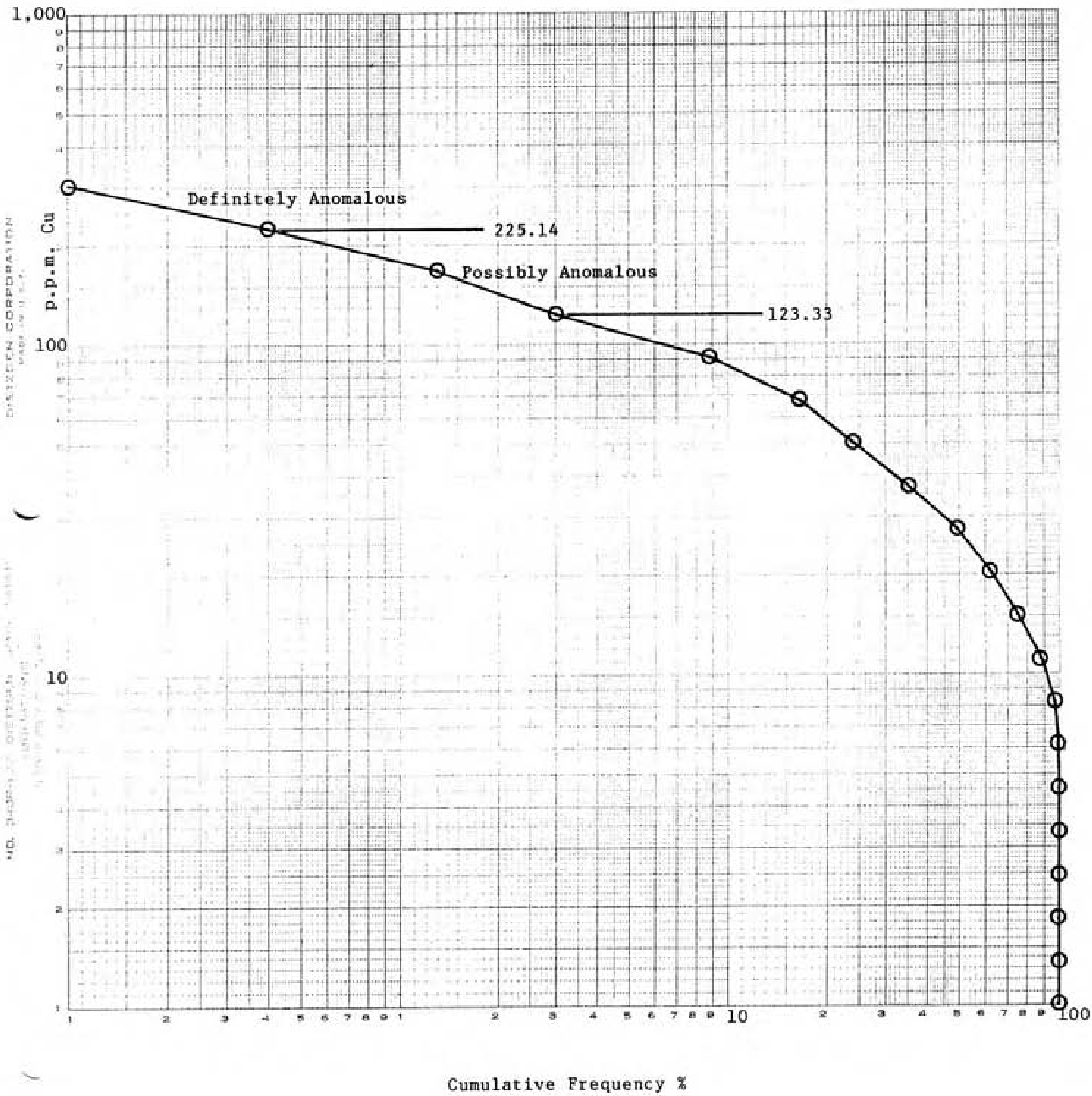


Cumulative Frequency %

COPPER

Figure No. 3b

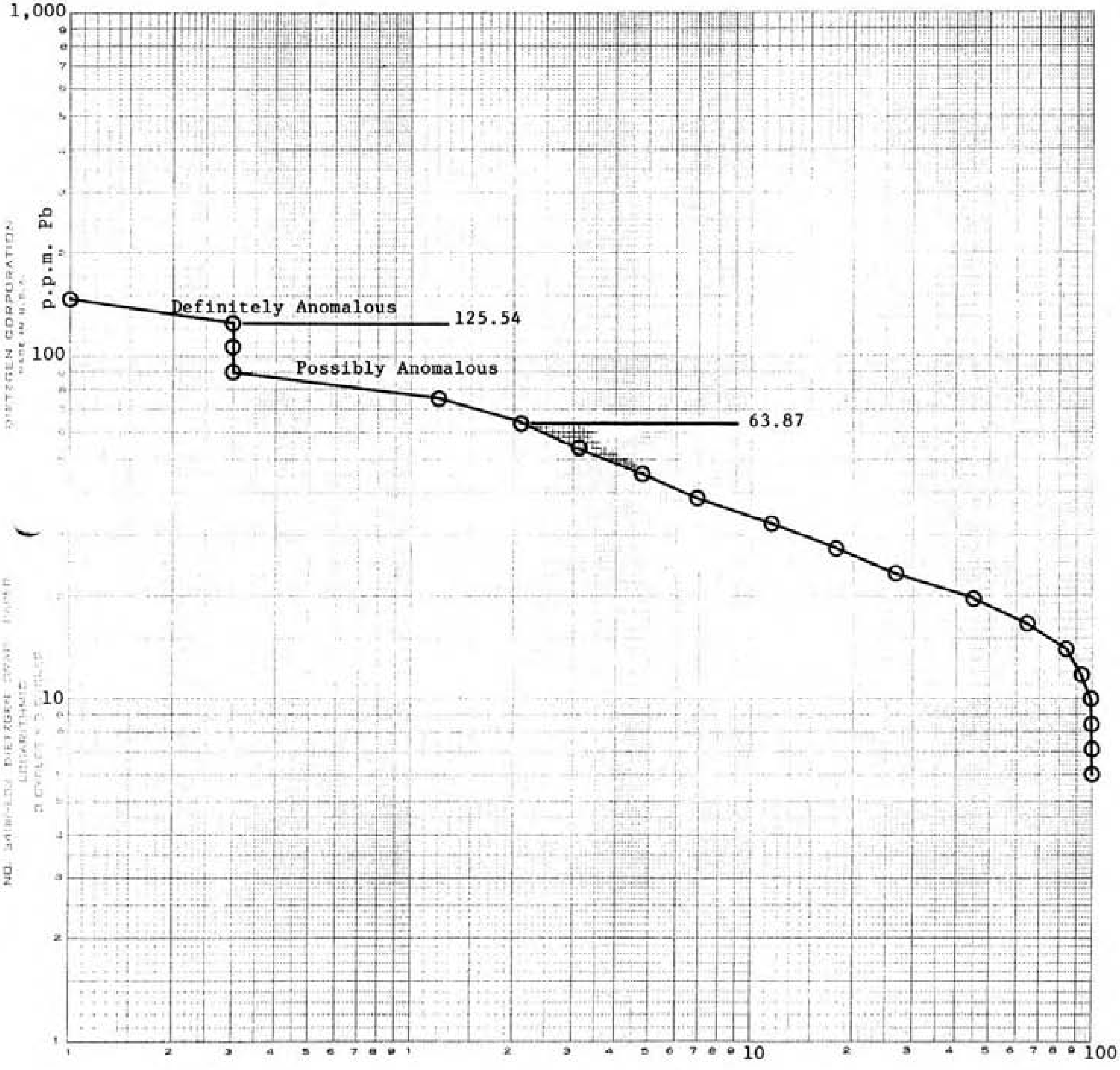
Cumulative Frequency Graph



LEAD

Figure No. 3c

Cumulative Frequency Graph

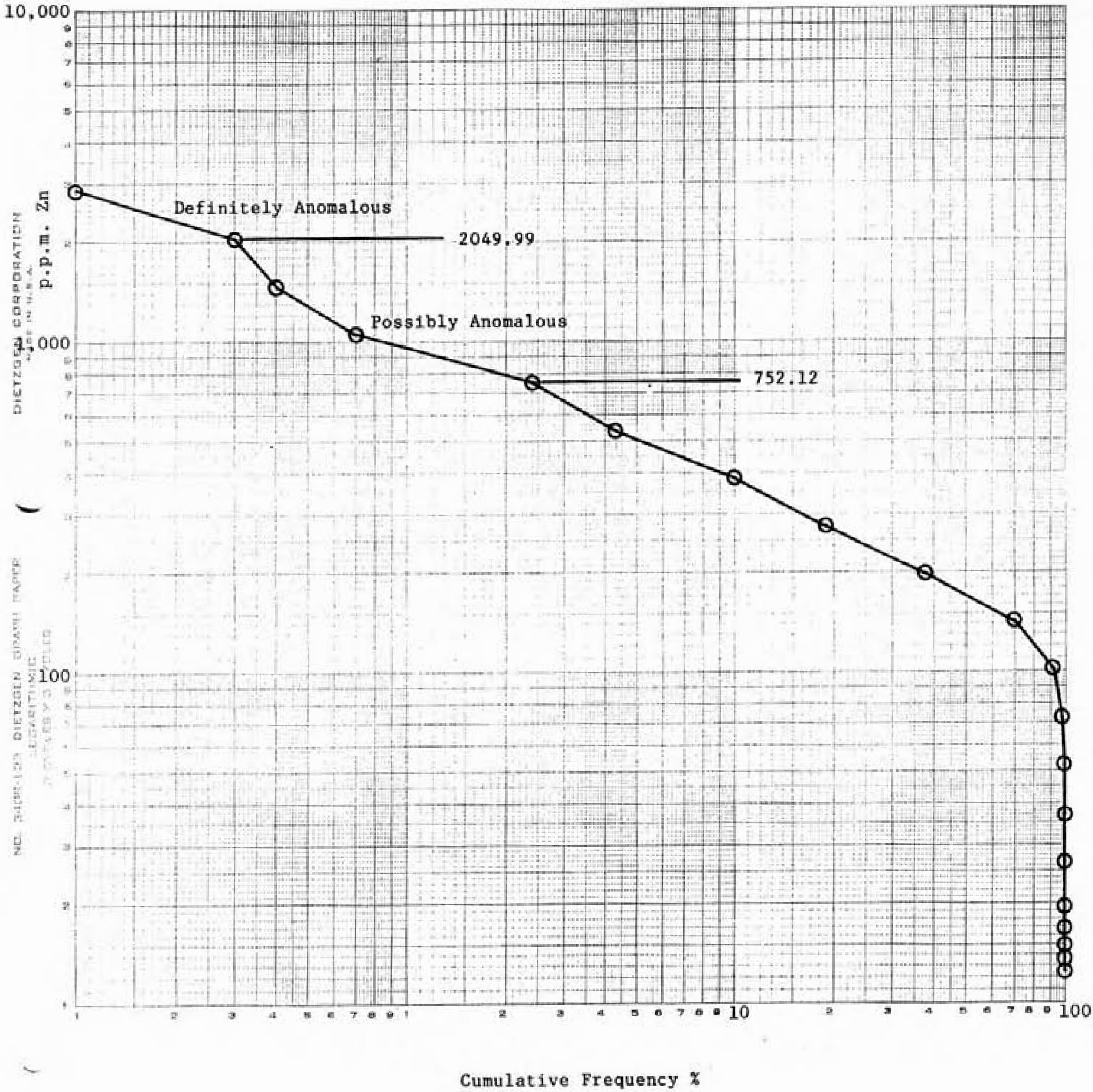


Cumulative Frequency %

ZINC

Figure No. 3d

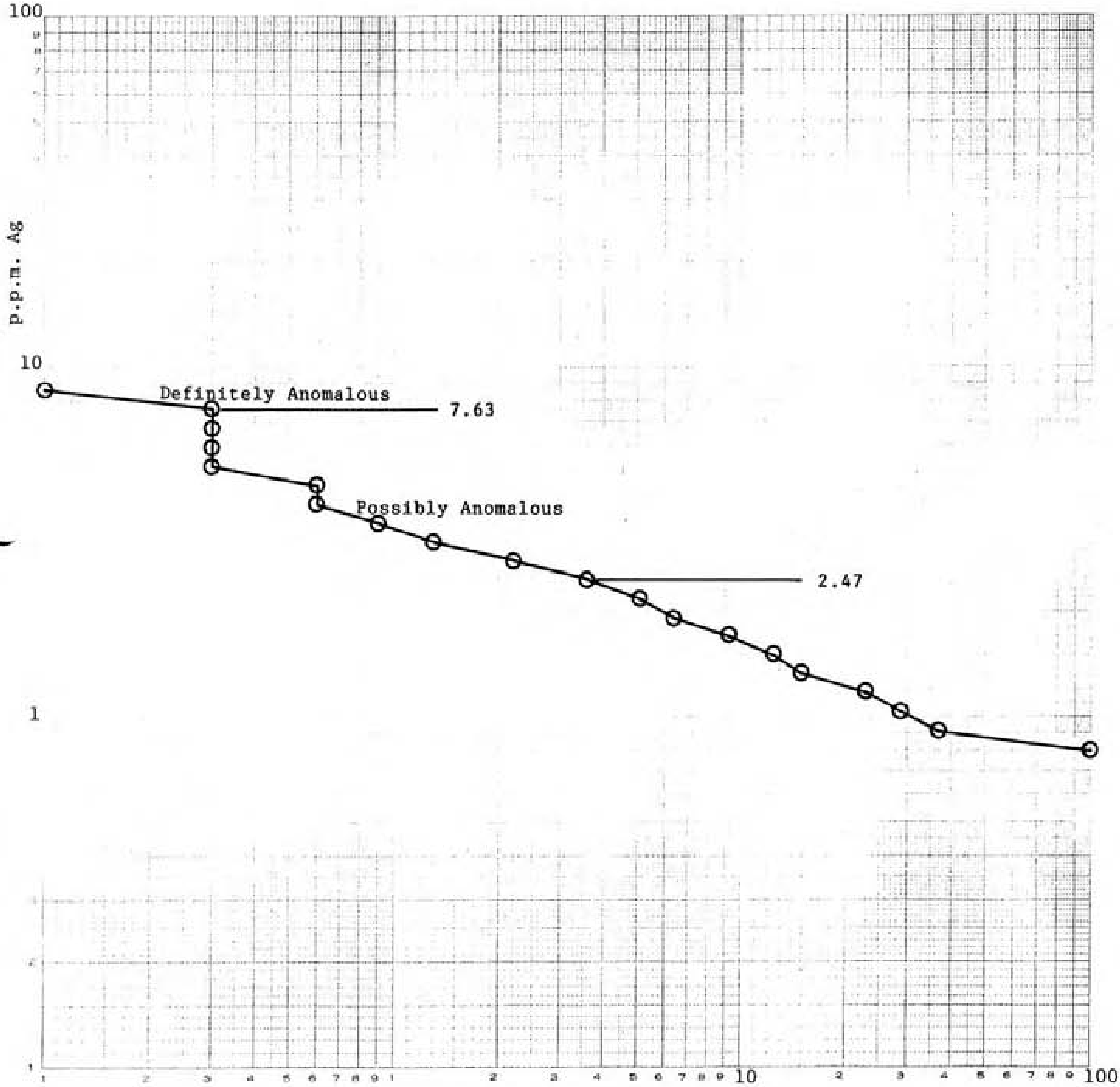
Cumulative Frequency Graph



SILVER

Figure No. 3e

Cumulative Frequency Graph



Cumulative Frequency %

When the geostatistical data were plotted as cumulative frequency graphs, possibly and definitely anomalous ranges were interpreted from the graphed results. These ranges are based on inflections or variances in trend in the upper 10 percent of geochemical values. Possibly and definitely anomalous ranges for each of the analysed elements are shown on Figures 5a, b and c and in the following table.

Element	Possibly Anomalous	Definitely Anomalous
Gold (p.p.b.)	51.59 - 370.57	> 370.57
Copper (p.p.m.)	123.33 - 225.14	> 225.14
Lead (p.p.m.)	63.87 - 125.54	> 125.54
Zinc (p.p.m.)	752.12 - 2049.99	> 2049.99
Silver (p.p.m.)	2.47 - 7.63	> 7.63

Using these ranges the writer identified all possibly and definitely anomalous sample sites for each of the elements. Results of this interpretative work show the following:

(1) Possibly and definitely anomalous gold values are erratically distributed within the property. This distribution may be a result of the "nugget" effect inherent with gold analyses from low volume samples or may be due to too high anomalous ranges. For whichever reason the significant gold values do not coincide well with other three-element anomalies (see Figure 5d). The most interesting gold values were collected at sample sites 89 + 50 N. by 100 E. (505 p.p.b.), 81 + 50 N. by 100 E. (210 p.p.b.), 92 N. by 106 E. (715 p.p.b.), and 98 + 50 N. by 108 E. (370 p.p.b.).

(2) Superficially, the copper, zinc and silver anomalous values appear to be erratically distributed throughout the property. However, on inspection there are seven areas with coincident three-element anomalies. In order of priority they are at true grid coordinates:

a) 86 N. by 110 E.
b) 85 N. by 97 E.
c) 99 N. by 110 E.
d) 9150 N. by 110 E.
e) 91 N. by 94 E.
f) 73 N. by 87 E.
g) 91 N. by 104 E.

These anomalous areas are shown on Figure 5d with the anomalous gold areas.

(3) Lead values are very erratically distributed except at sites already identified with highly anomalous zinc and silver values.

(4) It would appear from the interpreted geochemical results that there are at least seven anomalous areas worthy of further investigation in addition to the four anomalous gold sites.

CONCLUSIONS

The results of the geochemical survey, and to a lesser extent the geological survey, are quite encouraging. The soil geochemical survey identified eleven areas with either highly-anomalous gold values (greater than 210 p.p.b. Au), or with coincident and highly-anomalous copper, zinc and silver values.

The geological survey did identify the local geologic setting which is favourable to both base - and precious-metal mineralization.

Based on these positive results further exploration is definitely warranted to investigate and test the economic potential of these claims. Recommendations for further exploration are given below.

RECOMMENDATIONS

1. The boundaries of the subject claims and all adjoining claims should be surveyed since several of the anomalous areas appear to be situated near the unsurveyed boundaries of the claim group.

2. Detailed soil geochemical surveying should be carried out over all of the eleven known geochemical targets. This detailed surveying should be undertaken on lines 50 metres apart with 25-metre sample intervals. Such a survey would require the establishment of additional grid lines over the anomalous targets. Soil samples should be collected from the upper "B" horizon for the coincident copper - zinc - silver anomalies. Soil profile samples should be collected from the gold anomalies to validate the results. All samples should be analysed for gold, copper, lead, zinc and silver and the sample pulps should be retained pending further analyses.

3. Detailed geophysical surveying, including magnetometer and VLF-EM surveys, should be undertaken over all geochemically anomalous areas.

4. Detailed geological mapping should be conducted over all geochemical and geophysical anomalies at a scale of 1:1,000. Such a survey could utilize the additional grid control required for the above surveys. Rock geochemical samples should be collected from all geologically favourable areas. These samples should be analysed for gold, copper, lead, zinc and silver, and the pulps should be retained pending further analytical work.

5. Given the high reliefs within the claims, all anomalous areas detected by the above surveys should be investigated by firstly hand trenching and later with a crawler backhoe if the areas are accessible.

6. The results of this exploration work should be thoroughly interpreted and documented by a qualified geologist and geophysicist.

Respectfully submitted,
MINOREX CONSULTING LTD.

J.D. Blanchflower, F.G.A.C.
Geologist

September 16, 1983
Kamloops, B.C.

STATEMENT OF QUALIFICATIONS

NAME:	BLANCHFLOWER, J. Douglas
PROFESSION:	Geologist
EDUCATION:	B.Sc. Honours Geology, 1971 University of British Columbia
PROFESSIONAL ASSOCIATION:	Fellow of the Geological Association of Canada (#F0046).
EXPERIENCE:	Five seasons experience in Geology, Geochemistry and Geophysics prior to graduation; including two with the B.C. Department of Mines and Petroleum Resources. One combined year immediately following graduation with the B.C. Department of Mines and Petroleum Resources and the Geological Survey of Canada. Eight years with Canadian Superior Exploration Limited. Two years with Sulpetro Minerals Limited. One year Consulting Geologist. Active experience in most phases of mineral exploration throughout western North America.

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- STATEMENT OF COSTS -

RE: Geological and Geochemical Surveys of the AFTA, SAM and SKYE CLAIMS, Slocan Mining Division, B.C. (P83-22)

To all professional services rendered on your behalf in connection with the above referenced matter, including the following:

Established a flagged and labelled control grid over the entire property- totalling 33.15 kilometres. Grid lines were spaced 200 metres apart with 50 metre station intervals along these lines.

Soil samples, totalling 649, were collected from the "B" horizon at each survey station and silt samples, totalling 22, were collected at intersections of grid lines with local drainages.

The accessible portions of the property were geologically mapped at a scale of 1:5,000.

All resultant data was plotted, interpreted and documented.

Labour

J.D. Blanchflower -	Aug. 5	- 1 day (logistics)	
	Aug. 8	- 1 day (logistics)	
	Aug. 9 to 18	- 1 day (supervison)	
	Aug. 19 to 25	- 7 days (geological mapping)	
	Sept. 6 to 9	- 4 days (data plotting, interpretation)	
	Sept. 12 to 16	- 5 days (report and map preparation)	
		19 days @ $250/day	$ 4,750.00

M. Kilby - Aug. 8 to 20 - grid establishment and soil sampling
13 days @ $175/day — 2,275.00

K. Brouwer -	Aug. 8 to 20	- 13 days (grid establishment and soil sampling)	
	Aug. 23	- 1 day (prospecting)	
	Sept. 2 to 3	- 1¼ days (drafting)	
		15¼ days @ $175/day	2,668.75

Vehicle Expense

Vehicles

'83 Dodge Ram Charger 4x4 1,618 km. @ $.71/km. (calculated day rate, mileage and insurance)	$1,148.78	
'77 Dodge 3/4 Ton Pickup 388 miles @ $.45/mi.	174.60	
Gas for '83 Ram Charger 1,618 km. @ $.094/km.	152.09	
	$1,475.47	$ 1,475.47

Airfares (Van. - Kam. - Van.)

M. Kilby	$153.35	
K. Brouwer	153.35	
	$306.70	306.70

Motorcycle - '77 Honda XR75 Trail Motorcycle

14 days of rental @ $20/day	280.00

Room and Board

Room

J. D. Blanchflower (Aug. 19-24) 6 nights @ $26.77/night	$ 160.27	
M. Kilby & K. Brouwer (Aug. 8-20, and 23) 27 man days @ $16.66	$ 449.82	
	$ 610.09	610.09

Board

34 man days @ $22.86/man day	777.24

Expenses

Field Supplies (flagging, Tyvek labels and ties, topo thread, packing tape, maps, etc.)	$ 761.26
Instrument Rental (compasses, altimeters, clinometers, hip chains)	150.00
Printing	235.00
Office supplies, photocopying, telephone charges (expediting, communications and supervision)	230.00
Total Account	$14,519.51
Less Advance (Aug. 4)	15,000.00
Balance To Be Refunded	$ 480.49

Analyses (billed directly to Hudson Petroleum Ltd.)

Analysed for Au, Cu, Pb, Zn and Ag 649 soil and 22 silt samples (less credited NES Au samples)	$ 6,335.52
Total Cost of Geological and Geochemical Surveys for Assessment Credits	$20,855.03

To be applied as follows:

AFTA Claim (9 units) 3 years	$ 2,700.00
SAM Claim (18 units) 4 years	9,000.00
SKYE Claim (18 units) 4 years	9,000.00
Total Assessment Credit	$20,700.00
PAC Account Balance	$ 100.00

J.D. Blanchflower, F.G.A.C.
Geologist

September 16, 1983

BIBLIOGRAPHY

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APPENDIX 1

Kamloops Research & Assay Laboratory Ltd.

Geochemical Lab Report

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

GEOCHEMICAL LAB REPORT

Minorex Consulting Ltd.
2391 Bossert Avenue
Kamloops, B.C.
V2B 4V6

FILE NO.

DATE September 6, 1983

ANALYST

FILE NO. G-896

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
1	L86E 73N	L5	39	39	180	.8			
2	73+50N	L5	18	19	121	.6			
3	74N	L5	16	19	158	.8			
4	74+50N	L5	25	20	156	.9			
5	75N	L5	20	33	125	.6			
6	75+50N	L5	21	20	124	.6			
7	76N	L5	23	25	218	1.2			
8	76+50N	L5	37	32	206	1.1			
9	77N	L5	13	31	212	.8			
10	77+50N	L5	16	22	208	.7			
11	78N	L5	16	16	119	.5			
12	78+50N	L5	24	15	183	.6			
13	79N	L5	21	11	118	.6			
14	79+50N	L5	10	12	205	.4			
15	80N	L5	39	15	195	.8			
16	80+50N	L5	110	12	465	3.2			
17	81N	L5	46	26	354	.8			
18	81+50N	L5	45	12	161	.7			
19	82N	L5	63	20	113	.6			
20	82+50N	L5	60	15	138	.9			
21	83N	L5	117	19	820	1.2			
22	83+50N	L5	86	29	280	1.5			
23	84N	L5	32	23	217	1.0			
24	84+50N	L5	26	13	273	.8			
25	85N	L5	44	16	301	.9			
26	85+50N	L5	49	29	265	1.1			
27	86N	L5	28	19	184	.7			
28	86+50N	L5	65	21	193	.9			
29	87+00N	L5	39	62	185	.8			
30	L88E 72+50N	L5	205	56	750	1.8			

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GEOCHEMICAL LAB REPORT

FILE NO. G-896 PAGE 2

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
31	L88E 73N	L5	88	46	1200	1.1			
32	73+50N	30	82	30	300	1.1			
33	74N	L5	114	27	395	1.2			
34	74+50N	L5	111	56	211	1.4			
35	75N	L5	61	46	226	.7			
36	75+50N	L5	81	35	209	1.0			
37	76N	L5	44	27	235	1.0			
38	76+50N	L5	28	34	301	.5			
39	77N	L5	38	23	296	1.0			
40	77+50N	L5	23	23	201	.7			
41	78N	L5	31	31	290	.5			
42	78+50N	L5	20	20	146	.6			
43	79N	L5	68	21	158	1.7			
44	79+50N	L5	43	22	146	.7			
45	80N	L5	78	22	281	3.1			
46	80+50N	95	97	33	291	1.4			
47	81N	L5	36	17	196	.7			
48	81+50N	L5	52	37	441	1.1			
49	82N	L5	81	36	610	1.7			
50	82+50N	L5	76	48	481	1.6			
51	83N	L5	21	18	154	.8			
52	83+50N	L5	13	20	150	.7			
53	84N	L5	36	15	148	.8			
54	84+50N	L5	21	20	166	.7			
55	85N	L5	32	13	178	.6			
56	85+50N	L5	34	23	196	.7			
57	86N	20	43	39	192	.8			
58	86+50N	40	30	25	188	.7			
59	87N	20	56	45	471	.9			
60	L88E 87+50N	L5	59	21	152	1.1			

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GEOCHEMICAL LAB REPORT

FILE NO. G-896 PAGE 3

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
61	L88E 88N	5	60	30	134	1.0			
62	88+50N	5	66	21	110	.9			
63	L90E 72N	L5	16	22	97	.7			
64	82+50N	L5	47	19	60	.8			
65	83N	L5	52	71	165	.9			
66	83+50N	L5	178	40	740	1.8			
67	84N	L5	50	30	301	1.0			
68	84+50N	L5	18	21	149	.5			
69	85N	L5	25	18	189	.6			
70	85+50N	L5	65	27	238	.9			
71	86N	L5	44	26	189	.9			
72	86+50N	NES	26	176	162	.5			
73	87N	L5	38	21	183	.9			
74	87+50N	L5	20	19	193	.7			
75	88N	L5	21	18	252	.7			
76	88+50N	L5	37	25	184	.8			
77	89N	L5	56	18	160	.6			
78	89+50N	L5	55	22	240	1.0			
79	90N	L5	22	26	389	.5			
80	L92E 84+50N	L5	23	59	148	.7			
81	85N	L5	30	37	157	.8			
82	85+50N	L5	42	34	226	.6			
83	86N	L5	41	45	304	.6			
84	86+50N	L5	42	42	215	.8			
85	87N	L5	26	46	183	.7			
86	87+50N	L5	39	30	235	.8			
87	88N	L5	38	27	363	.9			
88	88+50N	L5	51	86	247	.8			
89	89N	L5	41	35	204	.6			
90	L92E 89+50N	L5	20	21	164	.8			

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GEOCHEMICAL LAB REPORT

FILE NO. G-896 PAGE 4

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
91	L92E 90N	L5	31	23	279	.6			
92	90+50N	L5	89	34	500	1.0			
93	91N	L5	37	19	138	.9			
94	91+50N	L5	18	20	221	.6			
95	92N	10	110	25	580	1.6			
96	L94E 78N	10	40	21	154	2.6			
97	78+50N	L5	14	22	149	.9			
98	79N	L5	17	15	103	.5			
99	79+50N	15	14	19	198	.7			
100	80N	L5	19	17	162	1.4			
101	80+50N	L5	49	19	450	1.9			
102	81N	L5	167	26	1490	2.7			
103	81+50N	L5	46	20	234	1.3			
104	82N	L5	18	25	194	.5			
105	82+50N	L5	22	31	150	.6			
106	83N	L5	26	20	115	1.3			
107	83+50N	L5	10	17	218	.7			
108	84N	L5	32	15	181	.6			
109	84+50N	L5	13	14	139	.5			
110	85N	L5	21	22	147	.6			
111	85+50N	L5	57	29	143	.9			
112	86N	L5	8	19	148	.6			
113	86+50N	L5	11	15	137	.5			
114	87N	L5	28	26	152	.5			
115	87+50N	L5	15	11	109	.5			
116	88N	L5	12	11	123	.4			
117	88+50N	L5	12	16	153	.5			
118	89N	L5	12	10	115	.4			
119	89+50N	L5	17	33	71	.4			
120	L94E 90N	L5	15	19	179	.4			

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FILE NO. G-896 PAGE 5

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
121	L94E	90+50N	L5	69	26	154	1.0			
122		91N	L5	88	20	238	2.4			
123		91+50N	L5	46	84	243	.9			
124		92N	L5	29	27	150	.6			
125		92+50N	L5	21	26	214	.6			
126		93N	L5	33	13	125	.9			
127		93+50N	L5	31	13	98	.6			
128		94N	L5	19	26	200	.6			
129	L96E	90+50N	L5	34	17	164	.5			
130		91N	L5	28	25	133	.9			
131		91+50N	L5	28	20	177	1.1			
132		92N	L5	34	15	55	.8			
133		92+50N	L5	10	14	206	.5			
134		93N	L5	36	19	95	.7			
135		93+50N	L5	13	15	203	.4			
136		94N	L5	15	15	118	.4			
137		94+50N	L5	9	14	250	.4			
138		95N	L5	10	13	129	.4			
139		95+50N	L5	21	16	102	.3			
140		96N	L5	24	17	229	1.2			
141		96+50N	L5	23	17	158	1.0			
142		97N	L5	10	15	172	.6			
143		97+50N	L5	65	19	258	1.3			
144		98N	55	60	16	229	1.0			
145	L98E	99+50N	L5	7	17	151	.4			
146		100N	L5	61	14	167	.7			
147	L102E	100+50N	L5	11	20	172	.8			
148		101N	L5	10	15	123	.8			
149		101+50N	L5	13	12	[illegible]	.9			
150	L102E	102N	L5	14	15	153	.8			

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GEOCHEMICAL LAB REPORT

FILE NO. G-896 PAGE 6

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
151	L102E 102+50N	L5	93	19	463	.7			
152	103N	L5	23	17	185	.5			
153	103+50N	L5	16	12	117	.5			
154	104N	L5	14	13	253	.4			
155	104+50N	L5	21	15	195	1.3			
156	105N	L5	10	16	168	1.0			
157	L106E 100+50N	20	11	15	101	.3			
158	101N	L5	12	13	117	1.1			
159	101+50N	20	15	10	87	.4			
160	102N	L5	10	15	132	1.3			
161	102+50N	L5	16	13	168	.7			
162	103N	L5	8	15	203	.9			
163	103+50N	L5	9	25	164	.6			
164	104N	L5	15	16	110	.4			
165	104+50N	L5	23	19	165	.4			
166	105N	L5	141	24	496	2.5			
167	105+50N	L5	36	17	145	.7			
168	106N	L5	7	13	116	.5			
169	106+50N	L5	8	21	152	.9			
170	107N	L5	15	12	186	.4			
171	107+50N	L5	8	16	85	.6			
172	108N	20	13	12	43	.7			
173	L108E 100+50N	5	24	17	140	.6			
174	101N	L5	124	44	530	2.2			
175	101+50N	NES	103	29	279	2.2			
176	102N	L5	13	13	139	.7			
177	102+50N	L5	12	19	121	1.3			
178	103N	L5	17	13	94	.5			
179	103+50N	L5	39	13	155	.7			
180	L108E 104N	L5	20	14	193	.6			

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GEOCHEMICAL LAB REPORT

FILE NO. G-896 PAGE 7

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
181	L108E 104+50N	L5	11	17	215	.7			
182	105N	35	34	20	202	.7			
183	105+50N	L5	10	12	133	.5			
184	106N	L5	13	13	220	.6			
185	106+50N	L5	40	15	115	.7			
186	107N	L5	4	19	10	1.3			
187	107+50N	L5	10	17	115	.9			
188	108N	L5	13	20	141	.9			
189	108+50N	L5	30	14	162	.7			
190	109N	L5	17	14	75	1.4			
191	109+50N	L5	20	13	80	.6			
192	110N	L5	26	22	136	.9			
193	L110E 100+50N	L5	14	10	129	.5			
194	101N	L5	18	11	133	.8			
195	101+50N	L5	12	9	177	.6			
196	102N	L5	12	8	121	.6			
197	102+50N	L5	13	10	134	.4			
198	103N	L5	14	9	120	.4			
199	103+50N	L5	26	11	154	.6			
200	104N	L5	10	11	153	.8			
201	104+50N	L5	14	16	77	1.2			
202	105N	L5	14	11	207	.6			
203	105+50N	L5	13	12	168	.5			
204	106N	L5	6	11	146	.4			
205	106+50N	L5	9	12	56	.6			
206	107N	L5	16	14	238	.9			
207	107+50N	L5	6	15	58	.7			
208	108N	L5	17	13	157	.6			
209	108+50N	L5	8	16	128	.5			
210	L110E 109N	L5	33	23	110	.6			

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GEOCHEMICAL LAB REPORT

FILE NO. G-896

PAGE 8

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
211	L110E 109+50N	L5	25	15	195	.6			
212	110N	L5	10	29	84	.8			
213	110+50N	L5	11	20	167	1.0			
214	111N	L5	22	22	166	.6			
215	111+50N	20	16	20	118	.8			
216	112N	25	26	12	56	.4			
217	BL100N 102+50E	L5	13	16	345	.7			
218	103E	L5	13	16	134	.8			
219	103+50E	L5	11	18	178	.7			
220	108+50E	25	19	17	117	.9			
221	109E	L5	36	15	75	.3			
222	109+50E	L5	17	16	78	.7			
223	NB 83 5	NES	40	48	160	1.6			
224	6	L5	92	21	455	1.2			
225	7	L5	5	17	31	1.2			
226	8	20	25	31	132	1.3			
227	SK 83 11	NES	12	28	48	1.2			
228	12	NES	109	27	640	1.0			
229	13	L5	74	33	243	1.2			
230	SK 83 14	L5	69	24	225	1.0			

L means "Less than"

NES means "Not Enough Sample"

Au Method: -80 Mesh
Fire Assay
Atomic Absorption

Cu, Pb, Zn, Ag Method: -80 Mesh
Hot Acid Extraction
Atomic Absorption

KAMLOOPS
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LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

GEOCHEMICAL LAB REPORT

Minorex Consulting Ltd.
2391 Bossert Avenue
Kamloops, B.C.
V2B 4V6

FILE NO.

DATE August 30, 1983

ANALYST

FILE NO. G-882

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
1	L92E	72N	10	40	21	172	1.3			
2		72+50N	10	114	68	243	1.4			
3		73N	15	70	66	165	1.1			
4		73+50N	L5	79	43	206	1.8			
5		74+50N	15	52	52	210	1.3			
6		75N	L5	26	18	151	.8			
7		75+50N	L5	10	80	107	.4			
8		76N	NES	83	29	235	1.0			
9		77N	NES	20	134	171	.5			
10	L94E	72N	L5	20	21	114	1.2			
11		72+50N	L5	9	30	61	.7			
12		73N	L5	25	17	142	1.2			
13		73+50N	L5	17	13	157	1.4			
14		74N	L5	52	16	172	1.3			
15		74+50N	L5	36	14	211	1.0			
16		75N	L5	17	18	206	2.3			
17		75+50N	L5	16	27	149	1.7			
18		76N	L5	33	18	196	1.2			
19		76+50N	L5	36	16	129	.6			
20		77N	L5	20	22	180	1.0			
21		77+50N	L5	46	23	213	1.1			
22		78N	L5	65	20	180	2.8			
23	L96E	72N	L5	44	18	168	1.2			
24		72+50N	L5	38	26	175	1.1			
25		73N	L5	14	18	75	1.1			
26		73+50N	L5	75	17	180	.9			
27		74N	L5	30	18	157	1.1			
28		74+50N	L5	13	14	84	.6			
29		75N	L5	12	17	132	1.2			
30	L96E	75+50N	L5	16	15	187	1.4			

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GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 2

KRAL NO.	IDENTIFICATION	ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
31	L96E 76N	L5	25	14	305	1.1			
32	76+50N	L5	14	16	210	1.0			
33	77N	L5	16	18	136	1.1			
34	77+50N	L5	17	19	122	1.5			
35	78NA	NES	74	26	895	2.9			
36	78NB	L5	31	22	224	1.4			
37	78+50N	L5	11	17	98	1.3			
38	79N	L5	12	19	81	3.9			
39	79+50N	L5	34	20	259	1.6			
40	80N	L5	28	19	90	1.0			
41	80+50N	L5	20	21	248	2.1			
42	81N	45	56	22	220	1.0			
43	81+50N	L5	37	23	208	1.7			
44	82N	L5	49	59	147	.9			
45	82+50N	L5	44	40	195	.7			
46	83N	L5	18	22	147	.6			
47	83+50N	L5	12	15	116	.4			
48	84N	L5	38	21	180	.8			
49	84+50N	L5	76	29	182	1.6			
50	85N	5	25	27	506	.9			
51	85+50N	L5	77	25	327	3.4			
52	86N	5	48	30	696	.9			
53	86+50N	5	230	39	850	2.4			
54	87N	L5	89	52	397	.8			
55	87+50N	5	147	33	1180	2.0			
56	88N	L5	105	35	1000	1.1			
57	88+50N	5	53	20	295	1.2			
58	89N	L5	21	19	208	.8			
59	89+50N	L5	36	21	160	.6			
60	L96E 90N	L5	13	18	167	.5			

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GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 3

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
61	L98E	72N	L5	20	19	96	.9			
62		72+50N	5	30	31	123	.9			
63		73N	L5	37	20	86	2.3			
64		73+50N	L5	28	27	119	.9			
65		74N	10	28	22	109	1.4			
66		74+50N	NES	70	19	310	3.1			
67		75N	L5	33	21	211	.9			
68		75+50N	NES	120	22	177	2.6			
69		76N	10	58	16	219	2.0			
70		76+50N	L5	14	14	83	1.4			
71		77N	10	50	18	143	.6			
72		77+50N	15	15	13	88	1.7			
73		78NA	5	23	24	165	1.2			
74		78NB	L5	31	24	158	.7			
75		78+50N	15	25	23	191	1.1			
76		79N	L5	35	18	89	.6			
77		79+50N	10	40	25	136	1.2			
78		80N	5	28	20	158	.7			
79		80+50N	L5	70	19	263	1.7			
80		81N	5	46	14	185	2.3			
81		81+50N	10	16	14	182	.6			
82		82N	5	18	20	115	.6			
83		82+50N	L5	58	21	174	.8			
84		83N	L5	16	17	134	1.0			
85		83+50N	5	71	12	175	1.1			
86		84N	L5	16	33	201	.7			
87		84+50N	5	30	33	225	1.1			
88		85N	L5	20	38	223	.9			
89		85+50N	L5	59	30	385	1.1			
90	L98E	86N	15	122	21	670	2.6			

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GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 4

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
91	L98E	86+50N	10	200	30	895	3.1			
92		87N	L5	52	27	366	.8			
93		87+50N	15	70	22	218	.8			
94		88N	L5	45	32	181	.8			
95		88+50N	L5	35	16	278	1.2			
96		89N	L5	29	31	340	.6			
97		89+50N	L5	12	23	168	.4			
98		90N	120	34	13	158	.6			
99		90+50N	L5	55	21	375	1.0			
100		91N	5	98	26	945	1.1			
101		91+50N	85	32	22	344	.8			
102		92N	20	17	16	153	.7			
103		92+50N	L5	29	18	105	.5			
104		93N	5	12	18	224	.6			
105		93+50N	L5	8	12	126	.3			
106		94N	L5	14	14	166	.5			
107		94+50N	5	17	13	257	.4			
108		95N	5	19	24	280	.7			
109		95+50N	L5	7	14	240	.4			
110		96N	5	27	31	187	.5			
111		96+50N	L5	11	18	193	.6			
112		97N	10	8	23	156	.7			
113		97+50N	10	9	73	192	.4			
114		98N	10	40	10	297	.6			
115		98+50N	5	39	18	225	.8			
116		99N	L5	52	19	278	.9			
117	L100E	77+50N	L5	39	12	156	.7			
118		78N	40	73	18	272	3.4			
119		78+50N	L5	15	15	82	.6			
120	L100E	79N	L5	28	9	104	.4			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 5

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
121	L100E	79+50N	10	53	17	146	2.2			
122		80N	10	43	14	135	.6			
123		80+50N	150	49	15	166	1.0			
124		81N	5	45	18	330	1.8			
125		81+50N	210	8	10	64	.3			
126		82N	5	14	16	85	.3			
127		82+50N	L5	11	10	73	.6			
128		83N	L5	42	15	164	.8			
129		83+50N	5	55	16	118	.8			
130		84N	105	37	19	150	.5			
131		84+50N	L5	57	17	113	.8			
132		85N	5	10	10	74	.3			
133		85+50N	5	68	27	149	1.1			
134		86N	25	49	15	196	1.1			
135		86+50N	30	121	17	371	1.7			
136		87N	5	76	15	690	1.5			
137		87+50N	10	75	23	379	1.1			
138		88N	30	127	14	364	2.0			
139		88+50N	5	42	10	212	.8			
140		89N	L5	56	35	364	1.2			
141		89+50N	505	70	22	228	1.0			
142		90N	15	114	17	477	1.5			
143		90+50N	10	97	16	413	1.2			
144		91N	10	101	33	389	1.3			
145		91+50N	L5	39	19	472	.7			
146		92N	NES	83	25	195	1.3			
147		92+50N	L5	29	15	164	.7			
148		93N	5	52	16	478	.7			
149		93+50N	L5	19	10	51	.3			
150	L100E	94N	L5	25	11	94	.4			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 6

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
151	L100E	94+50N	L5	17	16	113	.7			
152		95N	L5	18	14	149	.7			
153		95+50N	L5	16	19	98	.4			
154		96N	10	51	15	183	1.0			
155		96+50N	L5	17	16	223	.6			
156		97N	L5	25	15	191	.7			
157		97+50N	10	12	16	152	.8			
158		98N	L5	23	12	200	.7			
159		98+50N	5	31	18	198	1.0			
160		99N	L5	15	22	196	.7			
161		99+50N	L5	9	15	186	.7			
162		100N	5	14	18	236	.8			
163		100+50N	5	8	10	140	.6			
164		101N	5	8	11	217	.6			
165		101+50N	5	13	11	113	.7			
166		102N	L5	13	21	80	.5			
167		102+50N	L5	19	23	111	1.1			
168		103N	5	31	10	114	.7			
169	L102E	78N	10	21	19	184	.9			
170		78+50N	10	12	20	131	.6			
171		79N	25	29	17	252	.8			
172		79+50N	L5	80	16	156	.8			
173		80N	L5	25	20	206	.7			
174		80+50N	L5	25	17	173	.5			
175		81N	10	30	18	162	.6			
176		81+50N	L5	28	17	143	.8			
177		82N	15	7	16	55	.4			
178		82+50N	20	14	26	106	.8			
179		83N	10	15	19	161	.8			
180	L102E	83+50N	15	9	16	206	.5			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 7

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
181	L102E	84N	L5	17	15	179	.6			
182		84+50N	10	26	16	114	.5			
183		85N	5	20	16	235	2.4			
184		85+50N	5	16	13	122	.4			
185		86N	L5	24	13	131	.4			
186		86+50N	L5	19	17	210	.9			
187		87N	10	23	22	178	.5			
188		87+50N	15	44	21	489	1.6			
189		88N	5	49	28	353	.7			
190		88+50N	5	21	15	200	.6			
191		89N	L5	22	20	158	.7			
192		89+50N	L5	14	17	320	.7			
193		90N	L5	10	21	126	.4			
194		90+50N	L5	10	17	132	.7			
195		91N	10	9	14	189	.8			
196		91+50N	5	14	14	202	.9			
197		92N	L5	66	48	370	1.0			
198		92+50N	10	25	20	413	.7			
199		93+50NA	L5	19	17	277	.5			
200		93+50NB	L5	38	15	134	.7			
201		94N	NO SAMPLE		NO SAMPLE	NO SAMPLE				
202		94+50N	10	31	25	129	.7			
203		95N	L5	13	12	71	.4			
204		95+50N	L5	11	23	108	.5			
205		96N	L5	12	14	126	.5			
206		96+50N	L5	11	12	88	.8			
207		97N	L5	10	16	187	.6			
208		97+50N	L5	13	15	140	1.5			
209		98N	L5	25	15	103	1.2			
210	L102E	98+50N	5	12	15	148	.9			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 8

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
211	L102E	99N	L5	15	22	148	.8			
212		99+50N	L5	16	8	57	.5			
213		100N	15	11	15	124	.9			
214	L104E	77+50N	L5	55	13	167	1.2			
215		78N	L5	16	13	215	1.0			
216		78+50N	L5	78	16	190	1.0			
217		79N	L5	49	14	174	1.0			
218		79+50N	L5	49	14	171	.7			
219		80N	L5	105	16	236	1.2			
220		80+50N	L5	98	11	219	.9			
221		81N	L5	15	14	135	1.1			
222		81+50N	L5	28	14	207	1.0			
223		82N	L5	27	18	255	1.4			
224		82+50N	NES	82	43	535	1.1			
225		83N	L5	54	30	286	2.2			
226		83+50N	5	20	16	169	1.0			
227		84N	L5	26	21	170	.7			
228		84+50N	L5	26	24	225	.9			
229		85N	L5	34	22	226	.7			
230		85+50E	L5	28	24	342	.8			
231		86N	5	56	17	188	1.0			
232		86+50N	L5	21	13	141	.6			
233		87N	5	35	15	136	1.4			
234		87+50N	5	24	16	285	.8			
235		88N	10	27	18	195	.7			
236		88+50N	L5	13	19	173	1.3			
237		89N	10	26	24	158	1.3			
238		89+50N	10	125	31	164	1.4			
239		90N	L5	237	34	322	2.8			
240	L104E	90+50N	L5	78	35	375	.8			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 9

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
241	L104E	91N	L5	129	65	687	2.9			
242		91+50N	L5	42	21	149	1.1			
243		92N	L5	34	19	119	.7			
244		92+50N	L5	13	21	125	.4			
245		93N	L5	29	19	138	.5			
246		93+50N	L5	23	23	168	.8			
247		94N	5	21	29	138	.5			
248		94+50N	L5	21	34	161	.6			
249		95N	5	70	40	206	1.7			
250		95+50N	L5	26	22	170	.6			
251		96N	20	10	14	84	.4			
252		97N	10	33	20	190	.5			
253		97+50N	5	45	20	191	.9			
254		98N	5	30	31	119	.6			
255		98+50N	5	75	24	179	.8			
256		99N	40	37	16	102	.5			
257		99+50N	10	49	27	150	.9			
258		100N	L5	72	24	386	1.0			
259		100+50N	L5	34	15	306	.6			
260		101N	5	10	13	201	1.3			
261		101+50N	5	9	15	206	1.1			
262		102N	L5	8	17	126	.6			
263		102+50N	L5	11	18	305	.9			
264		103N	40	6	10	148	.3			
265		103+50N	5	9	17	195	.7			
266		104N	L5	9	8	62	.3			
267		104+50N	L5	11	13	110	.4			
268		105N	5	7	20	82	.3			
269		105+50N	5	10	12	97	.9			
270	L104E	106N	120	13	21	130	.8			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882

PAGE 10

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
271	L104E	106+50N	10	54	20	178	1.5			
272	L106E	78N	5	21	18	175	.6			
273		78+50N	L5	19	17	178	.7			
274		79N	L5	30	17	263	1.5			
275		79+50N	35	89	17	283	1.1			
276		80N	L5	79	14	182	1.4			
277		80+50N	L5	123	17	172	1.6			
278		81N	L5	49	20	229	.8			
279		81+50N	35	47	18	189	.8			
280		82N	L5	45	17	326	.8			
281		82+50N	L5	78	19	302	.7			
282		83N	L5	68	30	549	1.2			
283		83+50N	L5	49	18	241	1.0			
284		84N	L5	19	29	268	.9			
285		84+50N	L5	34	17	190	.9			
286		85N	L5	33	34	138	.9			
287		86N	L5	27	27	287	.7			
288		86+50N	L5	10	15	156	.4			
289		87N	L5	10	11	209	.3			
290		87+50N	L5	24	18	222	.8			
291		88N	L5	25	16	210	.8			
292		88+50N	L5	16	14	124	1.0			
293		89+50N	L5	31	32	114	.7			
294		90N	L5	20	19	144	.7			
295		90+50N	5	21	19	175	1.3			
296		91N	5	27	18	141	1.1			
297		91+50N	10	36	17	158	.7			
298		92N	715	16	15	156	.5			
299		92+50N	5	26	15	115	.4			
300	L106E	93N	35	13	18	124	.9			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 11

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
301	L106E	93+50N	L5	16	16	137	1.0			
302		94N	L5	9	17	186	.7			
303		94+50N	L5	35	25	158	.8			
304		95N	10	48	82	175	.8			
305		95+50N	10	36	36	196	2.0			
306		96N	L5	38	20	149	.6			
307		97N	5	22	16	110	1.0			
308		97+50N	45	10	17	139	.7			
309		98N	L5	12	13	116	.4			
310		98+50N	L5	16	12	135	.5			
311		99N	L5	17	17	121	.4			
312		99+50N	L5	15	14	140	.4			
313		100N	5	12	17	130	.8			
314	L108E	78N	5	12	14	112	1.5			
315		78+50N	5	79	10	103	.9			
316		79N	L5	38	9	135	.7			
317		79+50N	5	63	14	311	1.0			
318		80N	L5	47	15	221	.9			
319		80+50N	L5	42	11	160	.7			
320		81N	5	31	8	106	.4			
321		81+50N	5	110	10	327	1.0			
322		82N	5	158	23	860	2.1			
323		82+50N	10	100	8	198	1.0			
324		83N	NES	125	19	720	1.6			
325		83+50N	10	116	21	342	2.0			
326		84N	10	42	18	436	.8			
327		84+50N	L5	115	23	920	1.0			
328		85N	L5	33	14	321	.7			
329		85+50N	10	84	13	208	.6			
330	L108E	86N	L5	53	13	277	.7			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882

PAGE 12

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
331	L 108E	86+50N	L5	29	14	380	1.1			
332		87N	L5	35	14	210	.5			
333		87+50N	L5	99	53	481	1.4			
334		88N	L5	15	26	219	.6			
335		88+50N	L5	42	12	200	.6			
336		89N	10	49	6	156	.4			
337		89+50N	L5	10	10	148	1.3			
338		90N	L5	15	10	208	.6			
339		90+50N	L5	15	15	217	.7			
340		91N	55	9	16	184	1.0			
341		91+50N	10	20	21	165	.8			
342		92N	NES	35	18	174	1.0			
343		92+50N	15	38	20	189	.7			
344		93N	L5	18	19	173	.7			
345		93+50N	5	17	19	116	.5			
346		94N	5	12	13	113	.5			
347		94+50N	L5	11	15	102	.4			
348		95N	L5	9	12	92	.4			
349		95+50N	L5	38	10	164	.7			
350		96N	L5	15	10	115	.6			
351		96+50N	L5	24	10	125	.6			
352		97N	L5	13	12	129	1.0			
353		97+50N	L5	14	10	126	.4			
354		98N	370	17	10	112	.5			
355		98+50N	L5	20	12	111	.9			
356		99N	L5	10	12	110	1.1			
357		99+50N	L5	9	10	111	.6			
358		100N	L5	9	13	105	.7			
359	L 110E	77+50N	L5	93	23	840	2.8			
360		78N	NES	10	13	48	.5			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882

PAGE 13

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
361	L110E	78+50N	25	6	9	26	.3			
362		79N	25	11	11	58	1.0			
363		79+50N	5	53	18	159	1.2			
364		80N	5	56	28	237	1.1			
365		80+50N	15	52	23	275	1.9			
366		81N	L5	28	17	218	1.9			
367		81+50N	10	20	20	287	1.2			
368		82N	L5	24	18	190	2.7			
369		82+50N	25	21	17	168	2.1			
370		83N	5	51	27	359	1.5			
371		83+50N	20	185	36	651	2.9			
372		84N	15	127	37	457	1.7			
373		84+50N	20	411	82	2600	5.1			
374		85N	5	75	36	1000	1.2			
375		85+50N	20	134	68	502	1.8			
376		86N	L5	35	21	583	.7			
377		86+50N	5	13	26	263	.6			
378		87N	10	14	17	256	.8			
379		87+50N	10	31	20	324	1.2			
380		88N	20	72	15	108	1.1			
381		88+50N	L5	29	19	150	2.0			
382		89N	5	94	50	259	1.3			
383		89+50N	5	8	12	95	.4			
384		90N	5	19	15	157	.4			
385		90+50N	5	8	24	224	1.0			
386		91N	L5	21	24	310	.7			
387		91+50N	5	159	58	985	4.0			
388		92N	10	69	22	206	1.0			
389		92+50N	NES	35	12	121	.4			
390	L110E	93N	NES	39	20	120	.5			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 14

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
391	L110E	93+50N	5	33	13	115	.5			
392		94N	10	28	15	123	1.4			
393		94+50N	NES	10	32	122	.7			
394		95N	10	57	28	173	1.2			
395		95+50N	NES	73	41	166	4.8			
396		96N	15	95	62	197	1.8			
397		96+50N	NES	1	18	5	1.2			
398		97N	5	83	24	305	1.6			
399		97+50N	45	24	32	170	.8			
400		98N	L5	26	32	375	.5			
401		98+50N	L5	18	31	135	.4			
402		99N	L5	30	35	249	1.1			
403		99+50N	NES	216	52	G4000	9.8			
404		100N	L5	36	19	155	.4			
405	L72N	88+50E	L5	18	19	102	.8			
406		89E	L5	20	23	160	.7			
407		89+50E	L5	49	37	130	1.3			
408	L7650N	91E	L5	26	32	191	.9			
409		91+50E	L5	26	20	157	.7			
410	L78N	92+50E	L5	75	31	192	.8			
411		93E	L5	22	20	238	1.0			
412		93+50E	L5	14	24	140	.5			
413		94+50E	5	42	20	263	.7			
414		95E	L5	23	21	275	1.2			
415		95+50E	5	18	22	185	.8			
416		96+50E	5	12	20	103	1.6			
417		97E	L5	13	19	124	.8			
418		97+50E	5	28	19	172	.7			
419		98+50E	5	34	16	169	.8			
420	L100N	105E	L5	23	81	23	.5			

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

GEOCHEMICAL LAB REPORT

FILE NO. G-882 PAGE 15

KRAL NO.	IDENTIFICATION		ppb Au	ppm Cu	ppm Pb	ppm Zn	ppm Ag			
421	L100N	105+50E	20	23	18	95	.6			
422		106+50E	L5	13	24	171	.8			
423		107E	5	20	36	141	.7			
424		107+50E	10	17	28	182	.6			
425	BL100N	100+50E	L5	12	17	121	.8			
426		101E	L5	14	24	171	.7			
427		101+50E	L5	15	18	122	1.1			
428	SK83	1	L5	107	22	460	1.1			
429		2	L5	101	21	459	1.0			
430		3	L5	103	22	475	1.0			
431		4	NES	67	34	531	1.0			
432		5	L5	95	25	458	1.1			
433		6	L5	93	24	403	1.1			
434		7	L5	79	18	245	.8			
435		8	NES	99	40	435	1.3			
436		9	L5	93	22	409	1.0			
437		10	L5	64	24	250	.8			
438	NB83-1	89N	10	101	22	463	1.5			
439	NB83-2	108E 87+75N	5	110	23	465	1.5			
440	NB83-3	108E 99+25N	NES	82	28	449	1.4			
441	NB83-4	L78N 98+70E	5	52	19	201	.8			
442	L78N	99E	5	21	21	129	.8			
443		99+50E	10	35	14	242	.6			

L means "Less than"

Au Method: -80 Mesh
Fire Assay
Atomic Absorption

G means "Greater than"

Cu, Pb, Zn, Ag Method: -80 Mesh
Hot Acid Extraction
Atomic Absorption

APPENDIX 11

Cumulative Frequency Geostatistics for
Geochemical Analyses

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD

B.C. CERTIFIED ASSAYERS

2095 WEST TRANS CANADA HIGHWAY
PHONE 372-2784 - TELEX 048-8320

CUMULATIVE FREQUENCY PLOT

MINOREX CONSULTING LTD.
2391 BOSSERT AVENUE
KAMLOOPS, B.C.
V2B 4V6

DATE 13/09/83
ANALYST RJL
FILE NO. G-896

CUMULATIVE FREQUENCY PLOT FOR AU USING A LOGARITHMIC CONVERSION

CLASS		FREQUENCY	% FREQUENCY	CUMULATIVE FREQUENCY %
1.00--	1.39	465	69.3	100.0
1.39--	1.93	0	0.0	30.7
1.93--	2.68	0	0.0	30.7
2.68--	3.72	0	0.0	30.7
3.72--	5.17	89	13.3	30.7
5.17--	7.18	0	0.0	17.4
7.18--	9.98	0	0.0	17.4
9.98--	13.86	53	7.9	17.4
13.86--	19.25	16	2.4	9.5
19.25--	26.74	22	3.3	7.2
26.74--	37.14	7	1.0	3.9
37.14--	51.59	7	1.0	2.8
51.59--	71.66	2	0.3	1.8
71.66--	99.54	2	0.3	1.5
99.54--	138.27	3	0.4	1.2
138.27--	192.06	1	0.1	0.7
192.06--	266.78	1	0.1	0.6
266.78--	370.57	1	0.1	0.4
370.57--	514.74	1	0.1	0.3
514.74--	715.00	1	0.1	0.1

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD

B.C. CERTIFIED ASSAYERS

2095 WEST TRANS CANADA HIGHWAY
PHONE 372-2784 - TELEX 048-8320

CUMULATIVE FREQUENCY PLOT

MINOREX CONSULTING LTD.
2391 BOSSERT AVENUE
KAMLOOPS, B.C.
V2B 4V6

DATE 13/09/83
ANALYST RJL
FILE NO. G-896

CUMULATIVE FREQUENCY PLOT FOR CU USING A LOGARITHMIC CONVERSION

CLASS		FREQUENCY	% FREQUENCY	CUMULATIVE FREQUENCY %
1.00--	1.35	1	0.1	100.0
1.35--	1.83	0	0.0	99.9
1.83--	2.47	0	0.0	99.9
2.47--	3.33	0	0.0	99.9
3.33--	4.50	1	0.1	99.9
4.50--	6.08	5	0.7	99.7
6.08--	8.22	18	2.7	99.0
8.22--	11.11	59	8.8	96.3
11.11--	15.00	88	13.1	87.5
15.00--	20.27	83	12.4	74.4
20.27--	27.39	85	12.7	62.0
27.39--	37.01	95	14.2	49.3
37.01--	50.00	75	11.2	35.2
50.00--	67.56	50	7.5	24.0
67.56--	91.28	52	7.7	16.5
91.28--	123.33	39	5.8	8.8
123.33--	166.63	11	1.6	3.0
166.63--	225.14	6	0.9	1.3
225.14--	304.19	2	0.3	0.4
304.19--	411.00	1	0.1	0.1

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD

B.C. CERTIFIED ASSAYERS

2095 WEST TRANS CANADA HIGHWAY
PHONE 372-2784 - TELEX 048-8320

CUMULATIVE FREQUENCY PLOT

MINOREX CONSULTING LTD.
2391 BOSSERT AVENUE
KAMLOOPS, B.C.
V2B 4V6

DATE 13/09/83
ANALYST RJL
FILE NO. G-896

CUMULATIVE FREQUENCY PLOT FOR PB USING A LOGARITHMIC CONVERSION

CLASS		FREQUENCY	% FREQUENCY	CUMULATIVE FREQUENCY %
6.00--	7.10	1	0.1	100.0
7.10--	8.41	5	0.7	99.9
8.41--	9.96	5	0.7	99.1
9.96--	11.79	38	5.7	98.4
11.79--	13.96	59	8.8	92.7
13.96--	16.53	129	19.2	83.9
16.53--	19.58	133	19.8	64.7
19.58--	23.18	122	18.2	44.9
23.18--	27.45	59	8.8	26.7
27.45--	32.50	43	6.4	17.9
32.50--	38.48	31	4.6	11.5
38.48--	45.56	14	2.1	6.9
45.56--	53.94	11	1.6	4.8
53.94--	63.87	7	1.0	3.1
63.87--	75.63	6	0.9	2.1
75.63--	89.54	6	0.9	1.2
89.54--	106.03	0	0.0	0.3
106.03--	125.54	0	0.0	0.3
125.54--	148.64	1	0.1	0.3
148.64--	176.00	1	0.1	0.1

KAMLOOPS RESEARCH
&
ASSAY LABORATORY
LTD

B.C. CERTIFIED ASSAYERS

2095 WEST TRANS CANADA HIGHWAY
PHONE 372-2784 - TELEX 048-8320

CUMULATIVE FREQUENCY PLOT

MINOREX CONSULTING LTD.
2391 BOSSERT AVENUE
KAMLOOPS, B.C.
V2B 4V6

DATE 13/09/83
ANALYST RJL
FILE NO. G-896

CUMULATIVE FREQUENCY PLOT FOR ZN USING A LOGARITHMIC CONVERSION

CLASS	FREQUENCY	% FREQUENCY	CUMULATIVE FREQUENCY %
5.00-- 6.98	1	0.1	100.0
6.98-- 9.76	0	0.0	99.9
9.76-- 13.63	1	0.1	99.9
13.63-- 19.04	0	0.0	99.7
19.04-- 26.59	2	0.3	99.7
26.59-- 37.14	1	0.1	99.4
37.14-- 51.89	4	0.6	99.3
51.89-- 72.48	13	1.9	98.7
72.48-- 101.24	37	5.5	96.7
101.24-- 141.42	143	21.3	91.2
141.42-- 197.55	217	32.3	69.9
197.55-- 275.95	125	18.6	37.6
275.95-- 385.46	60	8.9	18.9
385.46-- 538.43	38	5.7	10.0
538.43-- 752.12	13	1.9	4.3
752.12-- 1050.61	11	1.6	2.4
1050.61-- 1467.56	2	0.3	0.7
1467.56-- 2049.99	1	0.1	0.4
2049.99-- 2863.56	1	0.1	0.3
2863.56-- 4000.00	1	0.1	0.1

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&
ASSAY LABORATORY
LTD

2095 WEST TRANS CANADA HIGHWAY
PHONE 372-2784 - TELEX 048-8320

CUMULATIVE FREQUENCY PLOT

MINOREX CONSULTING LTD.
2391 BOSSERT AVENUE
KAMLOOPS, B.C.
V2B 4V6

DATE 13/09/83
ANALYST RJL
FILE NO. G-896

CUMULATIVE FREQUENCY PLOT FOR AG USING A LOGARITHMIC CONVERSION

CLASS		FREQUENCY	% FREQUENCY	CUMULATIVE FREQUENCY %
0.80--	0.91	424	63.2	100.0
0.91--	1.03	54	8.0	36.8
1.03--	1.16	40	6.0	28.8
1.16--	1.32	53	7.9	22.8
1.32--	1.50	17	2.5	14.9
1.50--	1.70	21	3.1	12.4
1.70--	1.92	19	2.8	9.2
1.92--	2.18	9	1.3	6.4
2.18--	2.47	10	1.5	5.1
2.47--	2.80	9	1.3	3.6
2.80--	3.17	6	0.9	2.2
3.17--	3.60	3	0.4	1.3
3.60--	4.08	2	0.3	0.9
4.08--	4.62	0	0.0	0.6
4.62--	5.24	2	0.3	0.6
5.24--	5.94	0	0.0	0.3
5.94--	6.73	0	0.0	0.3
6.73--	7.63	0	0.0	0.3
7.63--	8.65	1	0.1	0.3
8.65--	9.80	1	0.1	0.1

APPENDIX 111

Analytical Procedures for Soil and Silt
Geochemical Analyses

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

September 22, 1983

Minorex Consulting Ltd.
2391 Bossert Avenue
Kamloops, B.C.
V2B 4V6

ATTENTION: MR. DOUG BLANCHFLOWER

Dear Doug:

Following are the procedures for our geochemical analyses of your soil samples.

1. Silver, Copper, Lead and Zinc

(a) The samples are dried in our geochemical drying oven and then screened through a stainless steel 80 mesh sieve. The minus 80 fraction is reserved for analysis and the plus 80 mesh fraction is discarded.

(b) The samples are then weighed into test tubes, nitric acid is added, and they are placed in a hot water bath for thirty minutes. Hydrochloric acid is then added and the samples are digested for a further 90 minutes in the water bath. The samples are then diluted with deionized water.

(c) The samples are then mixed to insure homogeneity and are read, upon settling, on a Varian Techtron AA 5 or 475 atomic absorption spectrophotometer. An air-acetylene flame is used for the analysis of silver, copper, lead and zinc.

(d) All additions of reagents are from Oxford Model S-A pipettors.

(e) Standards and re-assay checks are carried along with each run of 35 samples.

.../2

2. Gold

(a) The samples are dried in our geochemical drying oven and then screened through a stainless steel 80 mesh sieve. The minus 80 fraction is reserved for analysis and the plus 80 mesh fraction is discarded.

(b) 29.17 grams of sample are weighed, silver added, along with fluxes and the sample is started as a fire assay. After cupellation the bead is dissolved and the samples are then mixed to insure homogeneity and are read, upon settling, on a Varian Techtron AA 5 or 475 atomic absorption spectrophotometer using an air-acetylene flame.

(c) All additions of liquid reagents are from Oxford Model S-A pipettors.

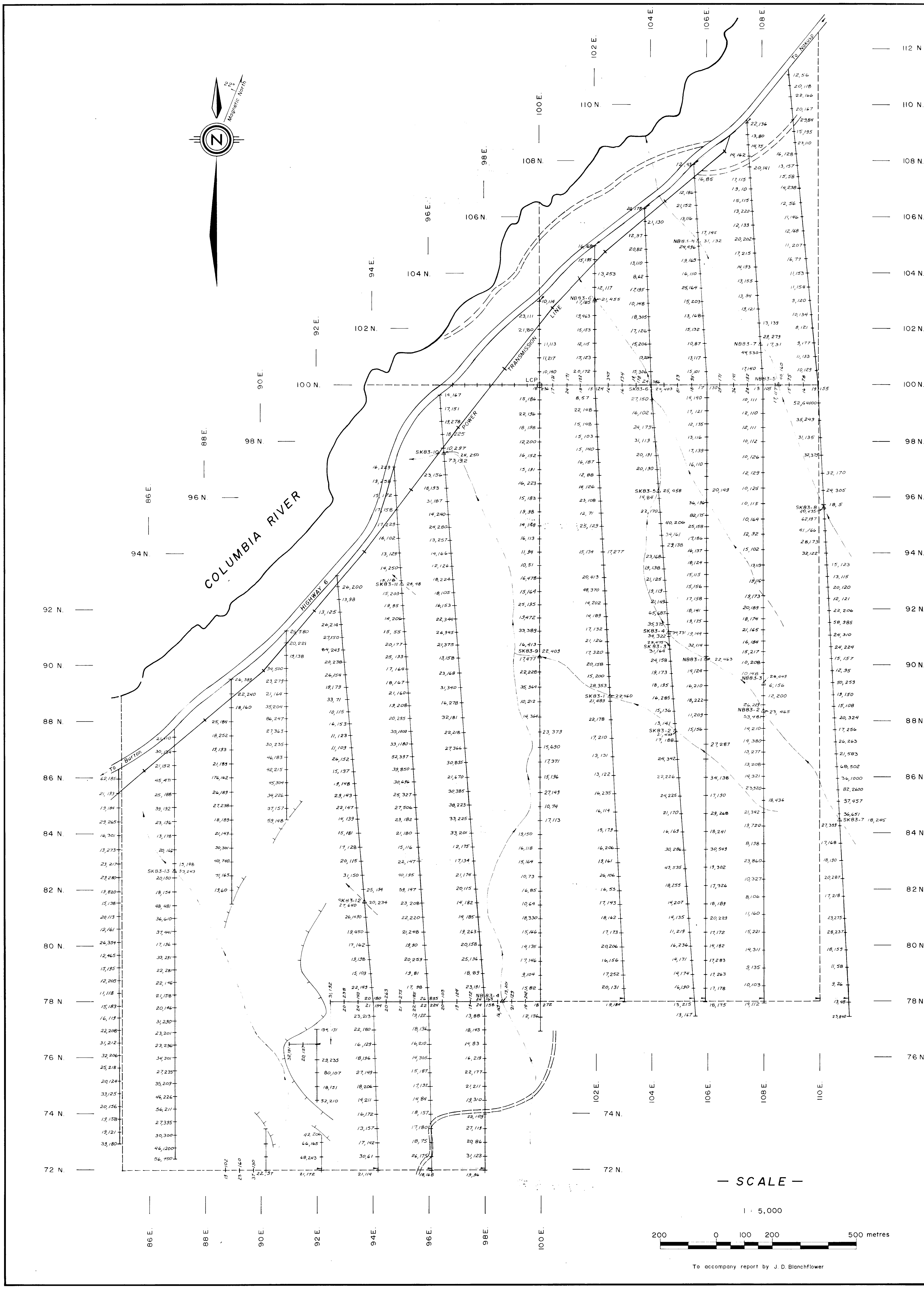
Should you require any further information, I would be most happy to oblige.

Yours very truly,

KAMLOOPS RESEARCH AND
ASSAY LABORATORY LTD.

Derek A. Blundell
President

DAB/rl



GEOLOGICAL BRANCH ASSESSMENT REPORT

11,499

— LEGEND —

QUATERNARY

PLEISTOCENE AND RECENT

10	Glacial deposits, recent alluvium

JURASSIC AND/OR CRETACEOUS

9	RUBY RANGE STOCK : Biotite-hornblende quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite

JURASSIC

8	KUSKANAX BATHOLITH AND STOCKS : Foliated and/or lineated leucoquartz monzonite

TRIASSIC TO JURASSIC

TRIASSIC TO LOWER JURASSIC (SINEMURIAN)

SLOCAN GROUP

7	Grey to black phyllite, argillite, quartzite; minor tuffaceous sediments near top
6	Grey mica schist
5	Calc-silicate marble

PERMIAN AND/OR TRIASSIC

KASLO GROUP

4	Amphibolite

MISSISSIPPIAN TO PENNSYLVANIAN

UPPER MISSISSIPPIAN TO PENNSYLVANIAN

MILFORD GROUP

3	Biotite schist, paragneiss

PROTEROZOIC TO TRIASSIC

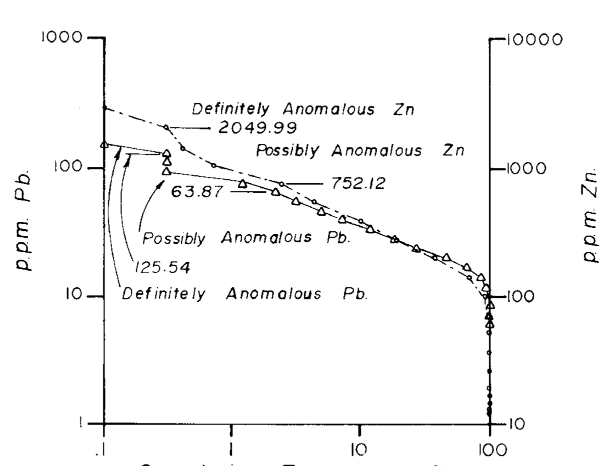
SHUSWAP METAMORPHIC COMPLEX

2	Biotite-plagioclase-quartz schist and paragneiss
1	Diopside-bearing calcareous meta-quartzite

— SYMBOLS —

- Geological boundary (defined, approximate, inferred)
- Fault (defined, approximate, inferred)
- Bedding, facing undetermined (inclined, vertical)
- Foliation (inclined, vertical)
- Cleavage (inclined, vertical)
- Lineation
- Isograd of regional metamorphism
- Road, all weather
- Other roads
- Intermittent stream
- Claim boundary, unsurveyed
- Grid line
- Soil sample station — Au p.p.b, Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- NB83-1 Silt sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- 2283-1 Rock sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- Tie line

— GEOSTATISTICS —



— SCALE —

1 : 5,000

200 0 100 200 500 metres

To accompany report by J. D. Blanchflower

HUDSON PETROLEUM LTD.

BURNABY, BRITISH COLUMBIA

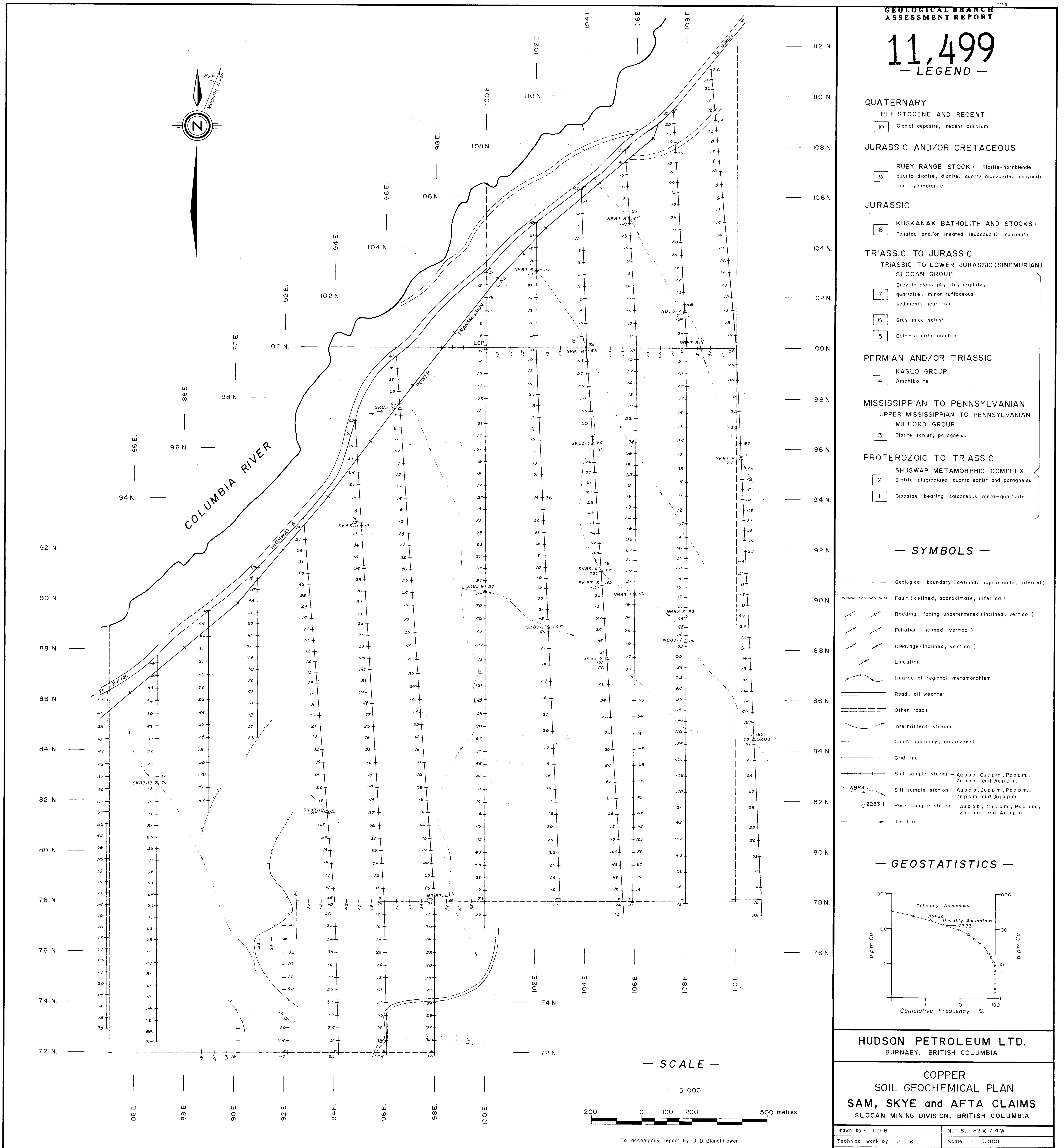
LEAD and ZINC

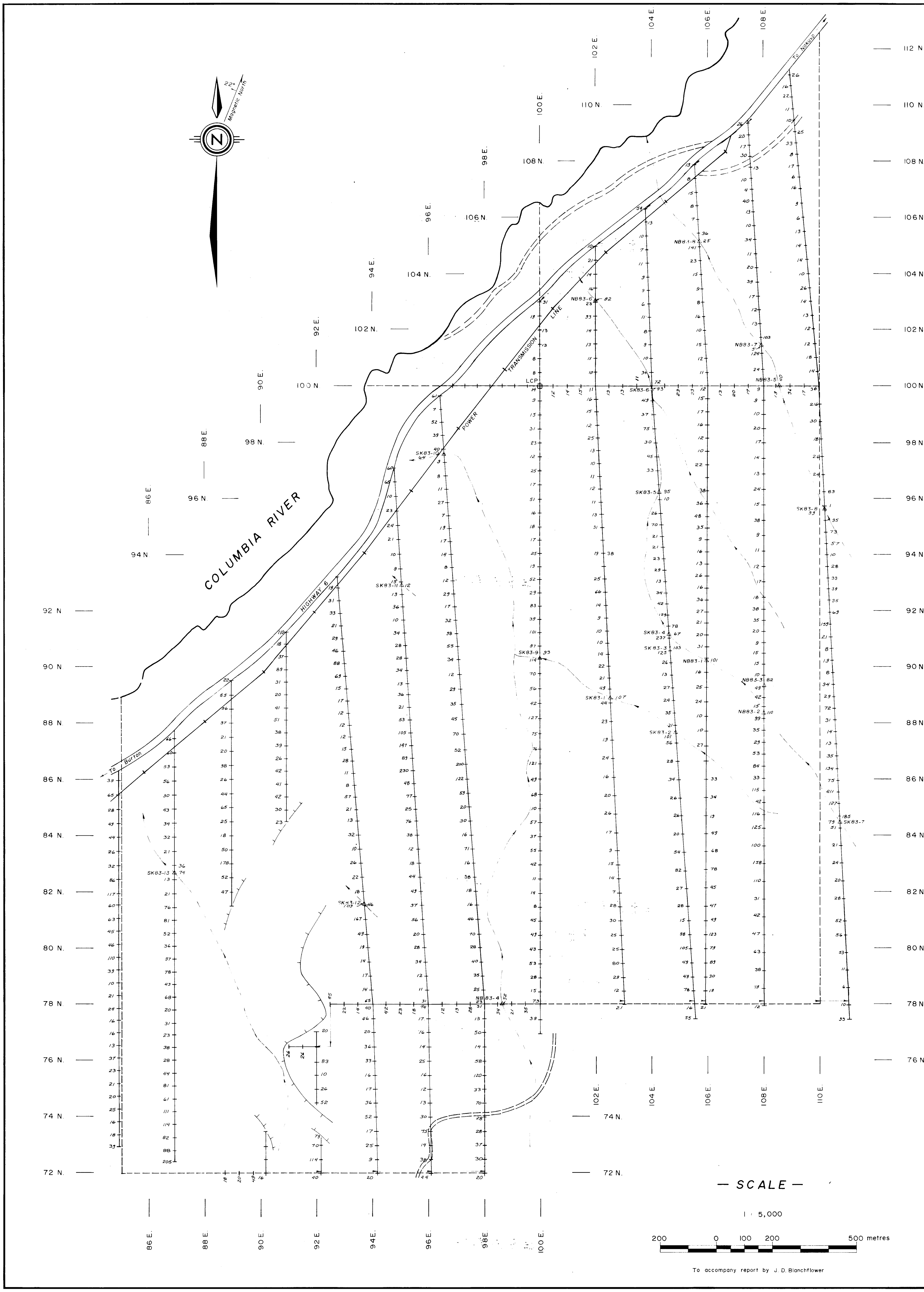
SOIL GEOCHEMICAL PLAN

SAM, SKYE and AFTA CLAIMS

SLOCAN MINING DIVISION, BRITISH COLUMBIA

Drawn by : J. D. B.	N.T.S. 82 K / 4 W
Technical work by : J. D. B.	Scale : 1 : 5,000
Date : September, 1983	Figure No.


GEOLOGICAL BRANCH
ASSESSMENT REPORT
11,499
— LEGEND —
QUATERNARY
PLEISTOCENE AND RECENT
10 Glacial deposits, recent alluvium
JURASSIC AND/OR CRETACEOUS
9 RUBY RANGE STOCK: Biotite-hornblende quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite
JURASSIC
8 KUSKANAX BATHOLITH AND STOCKS: Foliated and/or lineated leucoquartz monzonite
TRIASSIC TO JURASSIC
TRIASSIC TO LOWER JURASSIC (SINEMURIAN)
SLOCAN GROUP
7 Grey to black phyllite, argillite, quartzite; minor tuffaceous sediments near top
6 Grey mica schist
5 Calc-silicate marble
PERMIAN AND/OR TRIASSIC
KASLO GROUP
4 Amphibolite
MISSISSIPPIAN TO PENNSYLVANIAN
UPPER MISSISSIPPIAN TO PENNSYLVANIAN
MILFORD GROUP
3 Biotite schist, paragneiss
PROTEROZOIC TO TRIASSIC
SHUSWAP METAMORPHIC COMPLEX
2 Biotite-plagioclase-quartz schist and paragneiss
1 Diopside-bearing calcareous meta-quartzite
— SYMBOLS —
Geological boundary (defined, approximate, inferred)
Fault (defined, approximate, inferred)
Bedding, facing undetermined (inclined, vertical)
Foliation (inclined, vertical)
Cleavage (inclined, vertical)
Lineation
Isograd of regional metamorphism
Road, all weather
Other roads
Intermittent stream
Claim boundary, unsurveyed
Grid line
Soil sample station — Au p.p.b, Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
Silt sample station — Au p.p.b, Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
Rock sample station — Au p.p.b, Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
Tie line
— GEOSTATISTICS —
Definitely Anomalous
225.14
Possibly Anomalous
123.33
p.p.m. Cu
Cumulative Frequency %
HUDSON PETROLEUM LTD.
BURNABY, BRITISH COLUMBIA
COPPER
SOIL GEOCHEMICAL PLAN
SAM, SKYE and AFTA CLAIMS
SLOCAN MINING DIVISION, BRITISH COLUMBIA
Drawn by: J.D.B.
N.T.S. 82 K / 4 W
Technical work by: J.D.B.
Scale: 1:5,000
Date: September, 1983
Figure No.
— SCALE —
1:5,000
200 0 100 200 500 metres
To accompany report by J. D. Blanchflower
COLUMBIA RIVER
HIGHWAY 6
POWER TRANSMISSION LINE
To Burton
To Nakusp
Magnetic North
LCP



— LEGEND —

QUATERNARY
PLEISTOCENE AND RECENT
10 Glacial deposits, recent alluvium

JURASSIC AND/OR CRETACEOUS
RUBY RANGE STOCK : Biotite-hornblende
9 quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite

JURASSIC
KUSKANAX BATHOLITH AND STOCKS :
8 Foliated and/or lineated leucoquartz monzonite

TRIASSIC TO JURASSIC
TRIASSIC TO LOWER JURASSIC (SINEMURIAN)
SLOCAN GROUP
7 Grey to black phyllite, argillite, quartzite ; minor tuffaceous sediments near top
6 Grey mica schist
5 Calc-silicate marble

PERMIAN AND/OR TRIASSIC
KASLO GROUP
4 Amphibolite

MISSISSIPPIAN TO PENNSYLVANIAN
UPPER MISSISSIPPIAN TO PENNSYLVANIAN
MILFORD GROUP
3 Biotite schist, paragneiss

PROTEROZOIC TO TRIASSIC
SHUSWAP METAMORPHIC COMPLEX
2 Biotite-plagioclase-quartz schist and paragneiss
1 Diopside ...

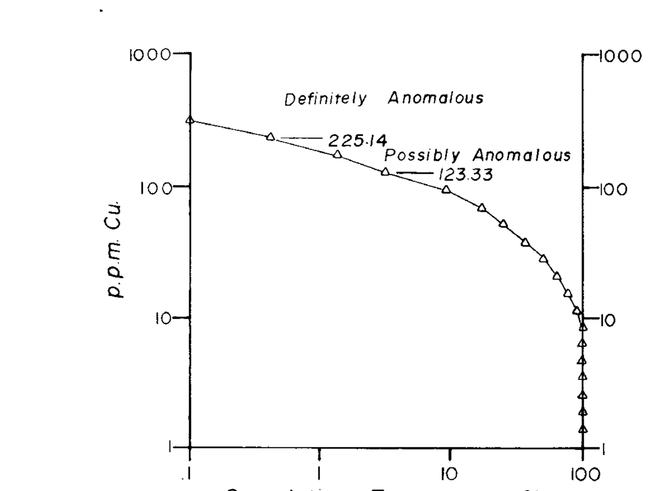
GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,499

— SYMBOLS —

- Geological boundary (defined, approximate, inferred)
- Fault (defined, approximate, inferred)
- Bedding, facing undetermined (inclined, vertical)
- Foliation (inclined, vertical)
- Cleavage (inclined, vertical)
- Lineation
- Isograd of regional metamorphism
- Road, all weather
- Other roads
- Intermittent stream
- Claim boundary, unsurveyed
- Grid line
- Soil sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- NB83-1 Silt sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- 2283-1 Rock sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- Tie line

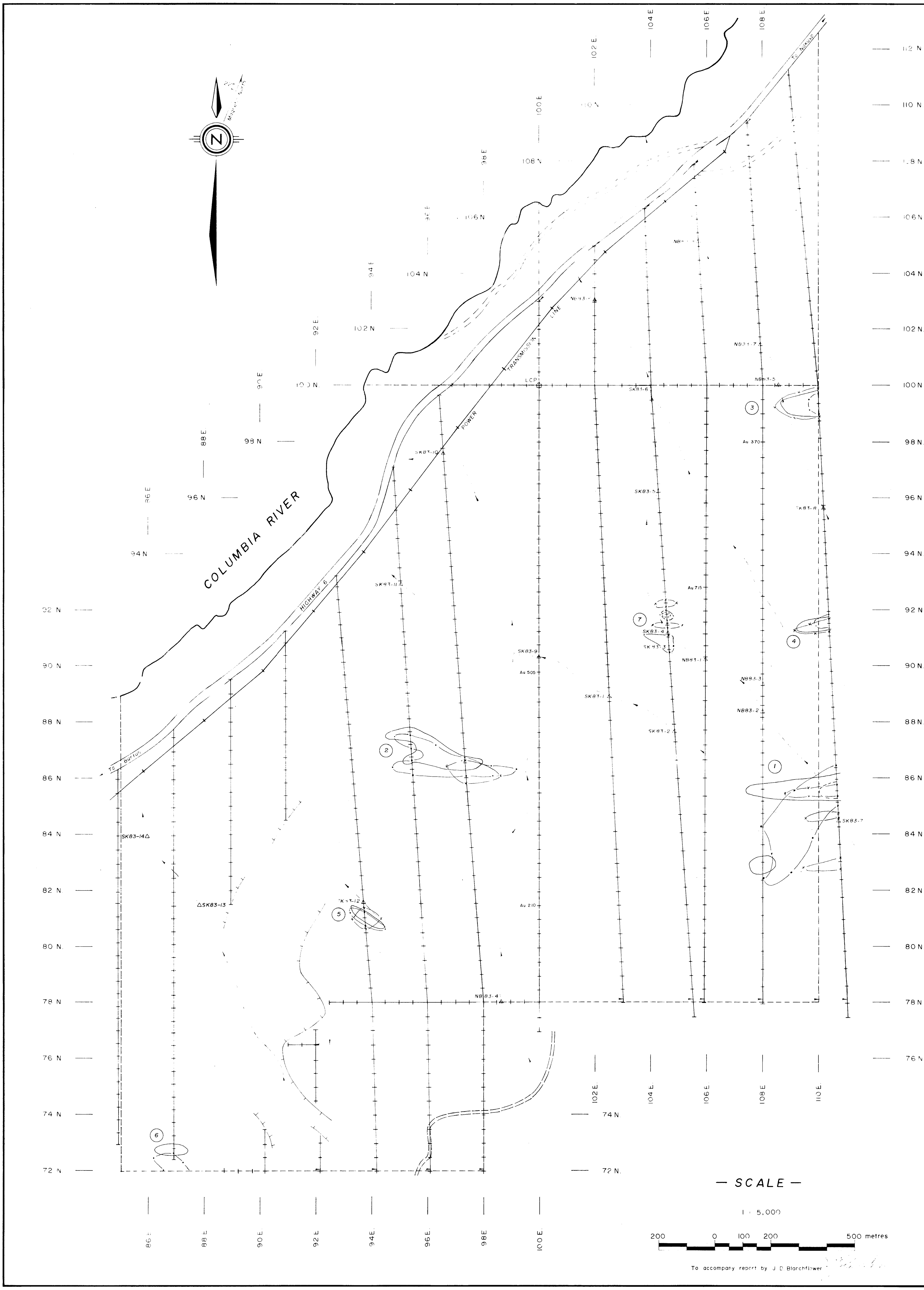
— GEOSTATISTICS —



HUDSON PETROLEUM LTD.
BURNABY, BRITISH COLUMBIA

COPPER
SOIL GEOCHEMICAL PLAN
SAM, SKYE and AFTA CLAIMS
SLOCAN MINING DIVISION, BRITISH COLUMBIA

Drawn by : J.D.B.	N.T.S. 82 K / 4 W
Technical work by : J.D.B.	Scale : 1 : 5,000
Date : September, 1983	Figure No.



— LEGEND —

QUATERNARY

PLEISTOCENE AND RECENT

10 — Glacial deposits, recent alluvium

JURASSIC AND/OR CRETACEOUS

9 — RUBY RANGE STOCK: Biotite-hornblende quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite

JURASSIC

8 — KUSKANAX BATHOLITH AND STOCKS: Foliated and/or lineated leucoquartz monzonite

TRIASSIC TO JURASSIC

TRIASSIC TO LOWER JURASSIC (SINEMURIAN)

SLOCAN GROUP

7 — Grey to black phyllite, argillite, quartzite; minor tuffaceous sediments near top

6 — Grey mica schist

5 — Calc-silicate marble

PERMIAN AND/OR TRIASSIC

KASLO GROUP

4 — Meta-andesite flows, tuff, breccia, amphibolite

MISSISSIPPIAN TO PENNSYLVANIAN

UPPER MISSISSIPPIAN TO PENNSYLVANIAN

MILFORD GROUP

3 — Biotite schist, paragneiss

PROTEROZOIC TO TRIASSIC

SHUSWAP METAMORPHIC COMPLEX

2 — Biotite-plagioclase-quartz schist and paragneiss

1 — Diopside-bearing calcareous meta-quartzite

— SYMBOLS —

- Geological boundary (defined, approximate, inferred)
- Fault (defined, approximate, inferred)
- Bedding, facing undetermined (inclined, vertical)
- Foliation (inclined, vertical)
- Cleavage (inclined, vertical)
- Lineation
- Isograd of regional metamorphism
- Road, all weather
- Other roads
- Intermittent stream
- Claim boundary, unsurveyed
- Grid line
- Soil sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- NB83-1 Silt sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- 2283-1 Rock sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- Tie line
- Cliff face
- (1) Coincident three element geochemical anomaly
- Zn possibly anomalous contour 752.12 p.p.m.
- Pb possibly anomalous contour 63.87 p.p.m.
- Cu possibly anomalous contour 123.33 p.p.m.
- Ag possibly anomalous contour 2.47 p.p.m.
- Au 505 Gold geochemical analysis p.p.b.

GEOLOGICAL BRANCH ASSESSMENT REPORT

11,499

HUDSON PETROLEUM LTD.
BURNABY, BRITISH COLUMBIA

COMPILATION
SOIL GEOCHEMICAL PLAN

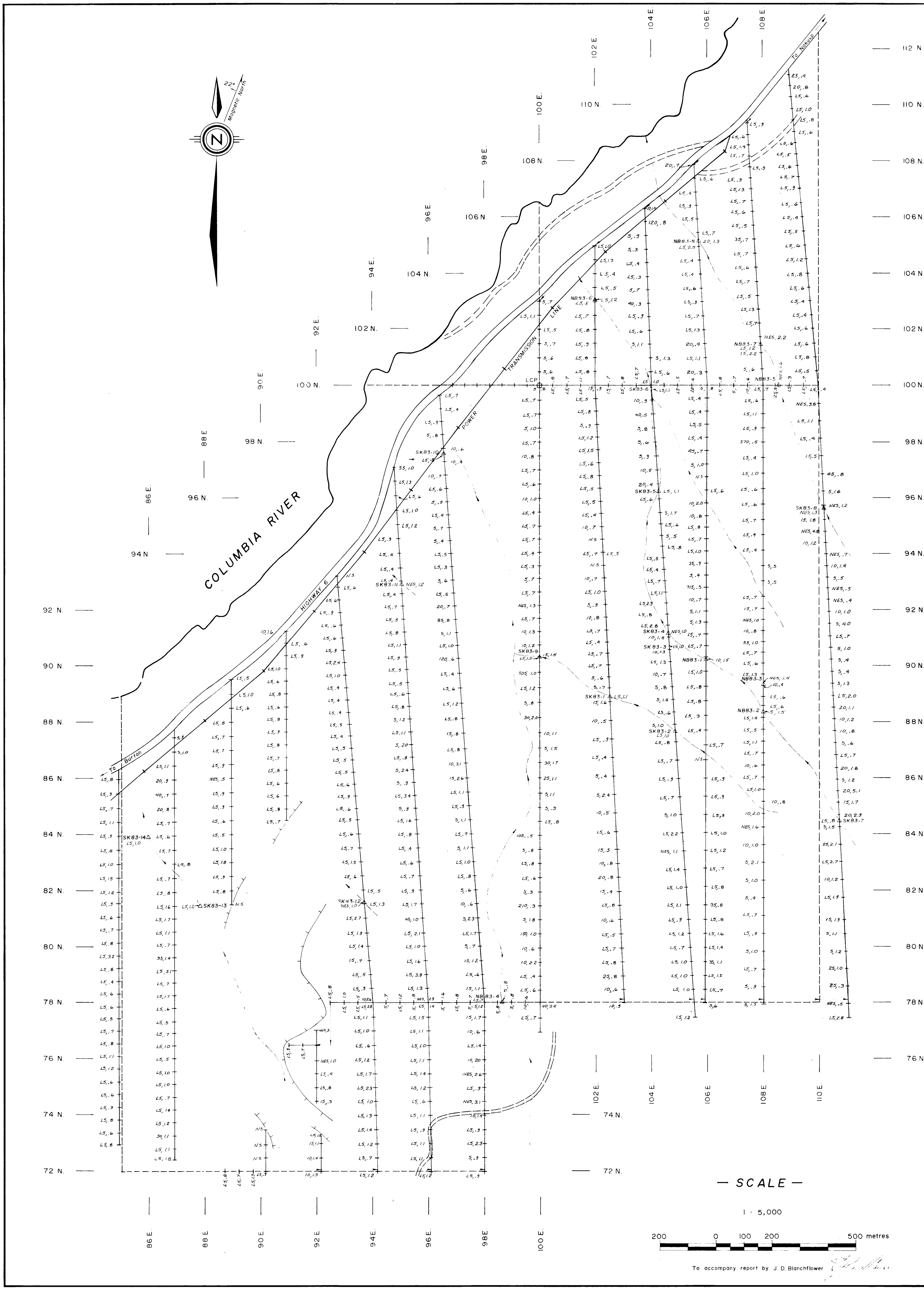
SAM, SKYE and AFTA CLAIMS

SLOCAN MINING DIVISION, BRITISH COLUMBIA

Drawn by: J.D.B.	N.T.S.: 82 K / 4 W
Technical work by: J.D.B.	Scale: 1 : 5,000
Date: September, 1983	Figure No. 5d

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,499



— LEGEND —

QUATERNARY

PLEISTOCENE AND RECENT

10 Glacial deposits, recent alluvium

JURASSIC AND/OR CRETACEOUS

RUBY RANGE STOCK : Biotite-hornblende

9 quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite

JURASSIC

KUSKANAX BATHOLITH AND STOCKS :

8 Foliated and/or lineated leucoquartz monzonite

TRIASSIC TO JURASSIC

TRIASSIC TO LOWER JURASSIC (SINEMURIAN)

SLOCAN GROUP

7 Grey to black phyllite, argillite, quartzite ; minor tuffaceous sediments near top

6 Grey mica schist

5 Calc-silicate marble

PERMIAN AND/OR TRIASSIC

KASLO GROUP

4 Meta-andesite flows, tuff, breccia, amphibolite

MISSISSIPPIAN TO PENNSYLVANIAN

UPPER MISSISSIPPIAN TO PENNSYLVANIAN

MILFORD GROUP

3 Biotite schist, paragneiss

PROTEROZOIC TO TRIASSIC

SHUSWAP METAMORPHIC COMPLEX

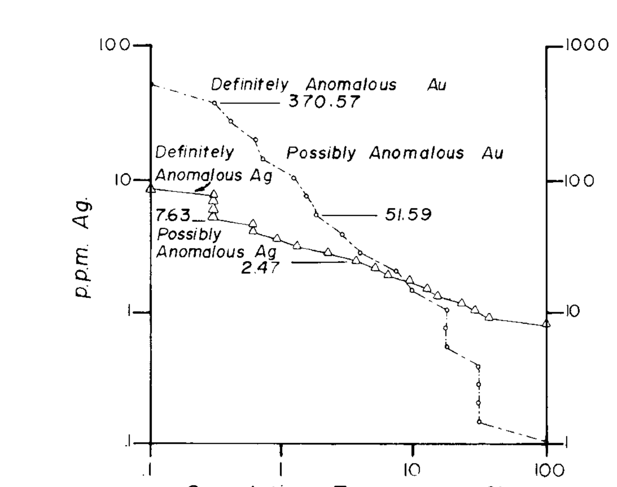
2 Biotite-plagioclase-quartz schist and paragneiss

1 Diopside-bearing calcareous meta-quartzite

— SYMBOLS —

- Cliff face
- Geological boundary (defined, approximate, inferred)
- Fault (defined, approximate, inferred)
- Bedding, facing undetermined (inclined, vertical)
- Foliation (inclined, vertical)
- Cleavage (inclined, vertical)
- Lineation
- Isograd of regional metamorphism
- Road, all weather
- Other roads
- Intermittent stream
- Claim boundary, unsurveyed
- Grid line
- Soil sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- NB83-1 Silt sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- 2283-1 Rock sample station — Au p.p.b., Cu p.p.m., Pb p.p.m., Zn p.p.m. and Ag p.p.m.
- Tie line
- 5,13 Geochemical analysis — Gold (p.p.b.), Silver (p.p.m.)

— GEOSTATISTICS —



HUDSON PETROLEUM LTD.
BURNABY, BRITISH COLUMBIA

GOLD and SILVER
SOIL GEOCHEMICAL PLAN
SAM, SKYE and AFTA CLAIMS
SLOCAN MINING DIVISION, BRITISH COLUMBIA

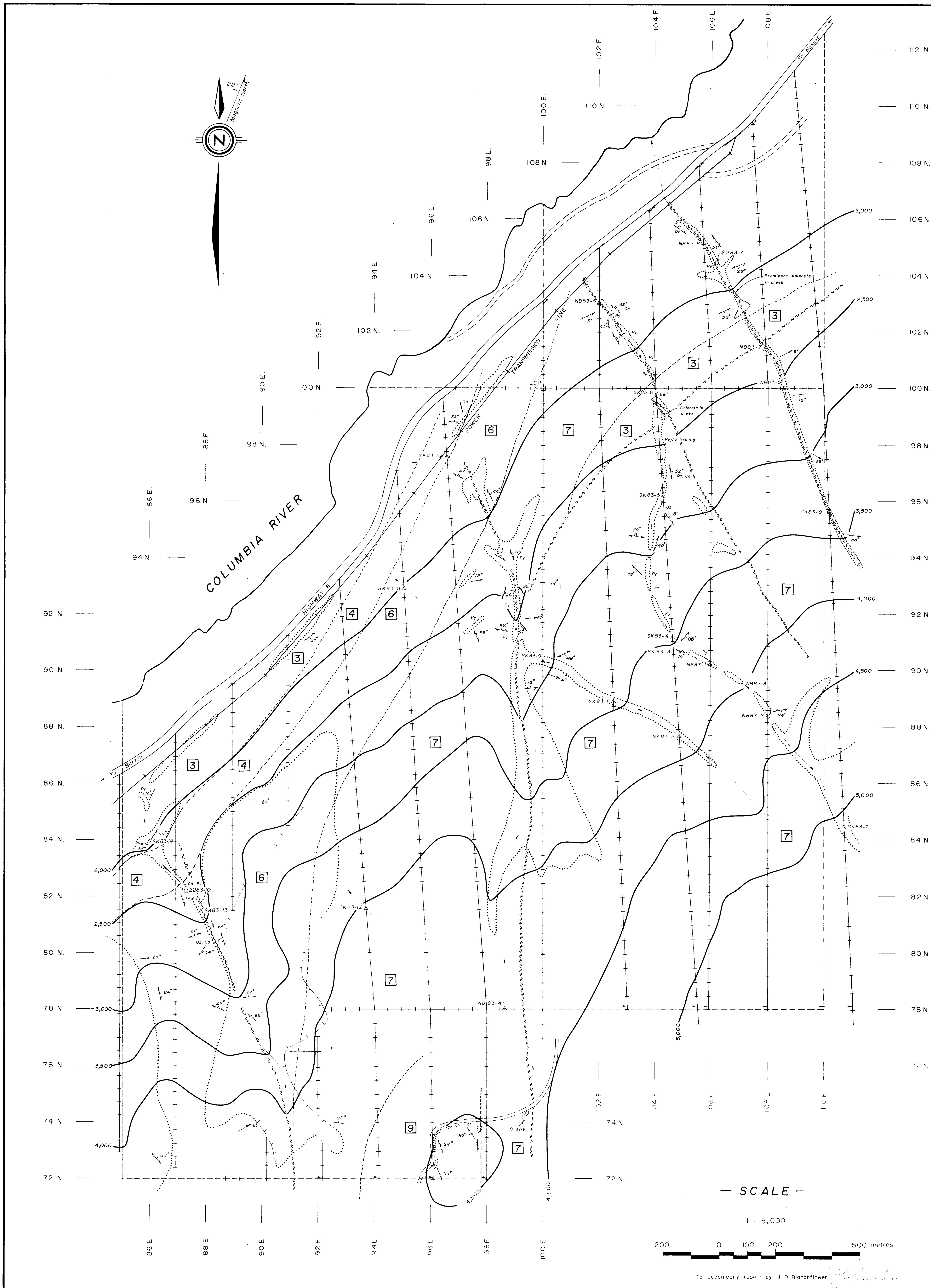
— SCALE —

1 : 5,000

200 0 100 200 500 metres

To accompany report by J. D. Blanchflower

Drawn by : J.D.B.	N.T.S. 82 K / 4 W
Technical work by : J.D.B.	Scale : 1 : 5,000
Date : September, 1983	Figure No. 5a



— LEGEND —

QUATERNARY

PLEISTOCENE AND RECENT

10	Glacial deposits, recent alluvium

JURASSIC AND/OR CRETACEOUS

9	RUBY RANGE STOCK : Biotite-hornblende quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite

JURASSIC

8	KUSKANAX BATHOLITH AND STOCKS : Foliated and/or lineated leucoquartz monzonite

TRIASSIC TO JURASSIC

TRIASSIC TO LOWER JURASSIC (SINEMURIAN)
SLOCAN GROUP

7	Grey to black phyllite, argillite, quartzite, minor tuffaceous sediments near top
6	Grey mica schist
5	Calc-silicate marble

PERMIAN AND/OR TRIASSIC

KASLO GROUP

4	Meta andesite flows, tuff, breccia, amphibole

MISSISSIPPIAN TO PENNSYLVANIAN

UPPER MISSISSIPPIAN TO PENNSYLVANIAN
MILFORD GROUP

3	Biotite schist, paragneiss

PROTEROZOIC TO TRIASSIC

SHUSWAP METAMORPHIC COMPLEX

2	Biotite-plagioclase-quartz schist and paragneiss
1	Diopside-bearing calcareous meta-quartzite

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- Road, all weather
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- Intermittent stream
- Claim boundary, unsurveyed
- Grid line
- Soil sample station — Au ppb, Cu ppm, Pb ppm, Zn ppm and Ag ppm
- NB83-1 Silt sample station — Au ppb, Cu ppm, Pb ppm, Zn ppm and Ag ppm
- 2283-1 Rock sample station — Au ppb, Cu ppm, Pb ppm, Zn ppm and Ag ppm
- Tie line
- Area with more than 50% outcrop

Py	Pyrite
Po	Pyrrhotite
Mg	Magnetite
Li	Limonite
Cp	Chalcopyrite
Mc	Malachite
Sp	Sphalerite
Ga	Galena
Qz	Quartz
Ca	Calcite
Bi	Biotite

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,499

HUDSON PETROLEUM LTD.
BURNABY, BRITISH COLUMBIA

GEOLOGICAL PLAN

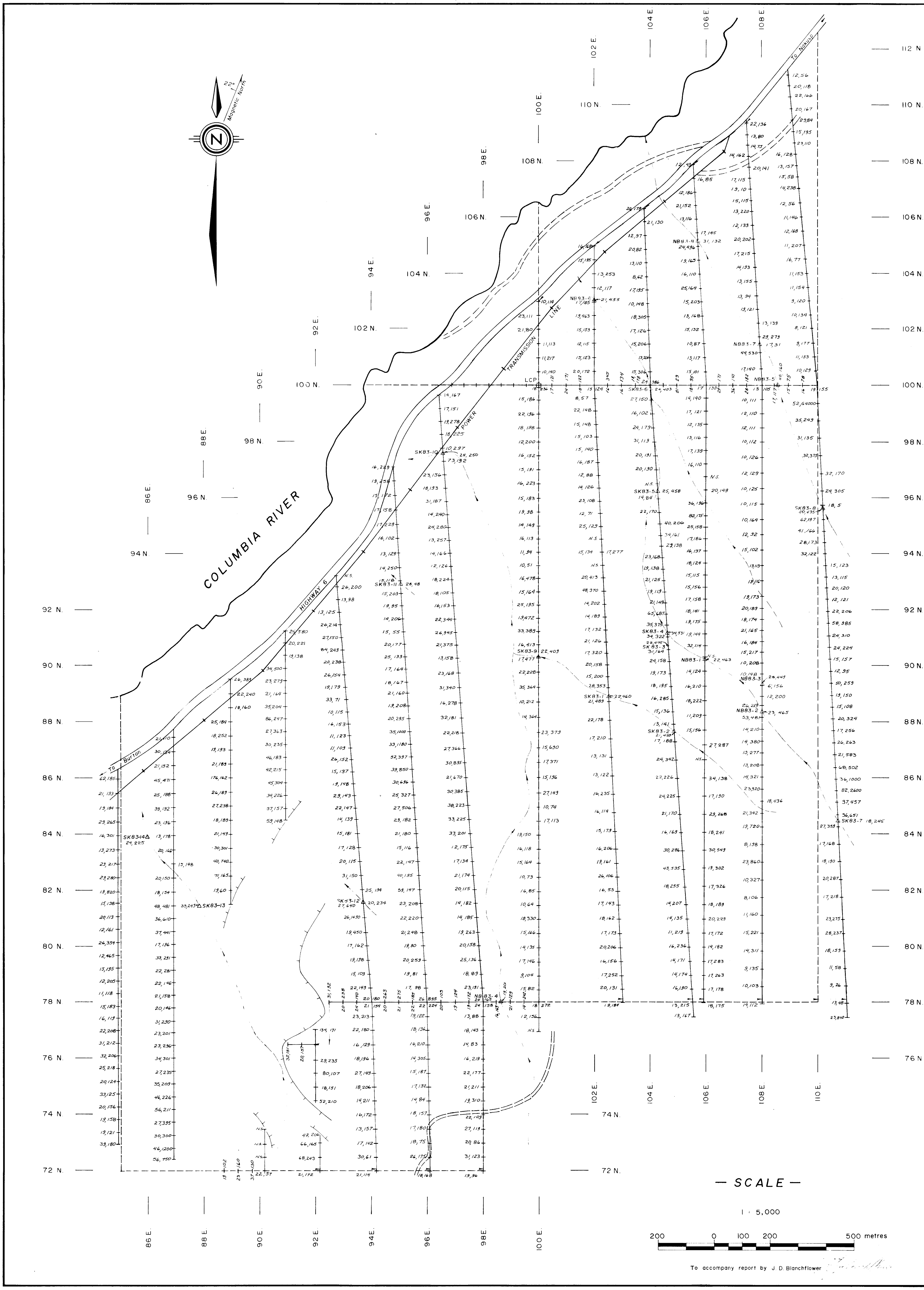
SAM, SKYE and AFTA CLAIMS

SLOCAN MINING DIVISION, BRITISH COLUMBIA

Drawn by : J.B.	N.T.S. 82 K / 4W
Technical work by : J.D.B.	Scale : 1 : 5,000
Date : September, 1983	Figure No. 4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,499



— LEGEND —

QUATERNARY
PLEISTOCENE AND RECENT
10 Glacial deposits, recent alluvium

JURASSIC AND/OR CRETACEOUS
RUBY RANGE STOCK : Biotite-hornblende
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TRIASSIC TO JURASSIC
TRIASSIC TO LOWER JURASSIC (SINEMURIAN)
SLOCAN GROUP
7 Grey to black phyllite, argillite, quartzite ; minor tuffaceous sediments near top
6 Grey mica schist
5 Calc-silicate marble

PERMIAN AND/OR TRIASSIC
KASLO GROUP
4 Meta-anesite flows, tuff, breccia, amphibolite

MISSISSIPPIAN TO PENNSYLVANIAN
UPPER MISSISSIPPIAN TO PENNSYLVANIAN
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3 Biotite schist, paragneiss

PROTEROZOIC TO TRIASSIC
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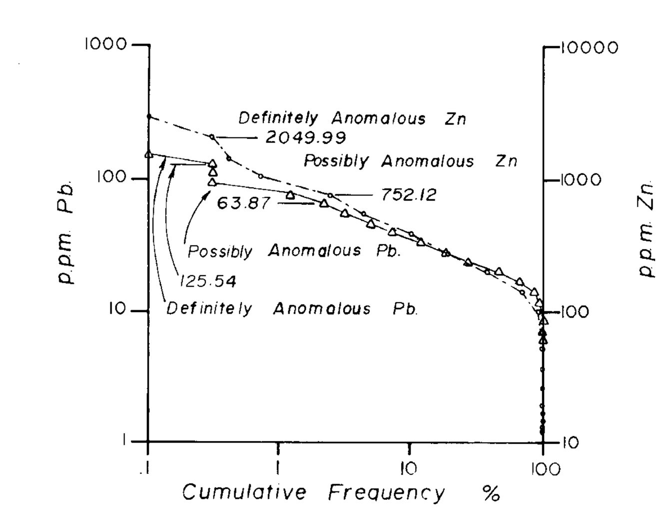
- Tie line
- 18,130 Geochemical analysis Lead (p.p.m.), Zinc (p.p.m.)

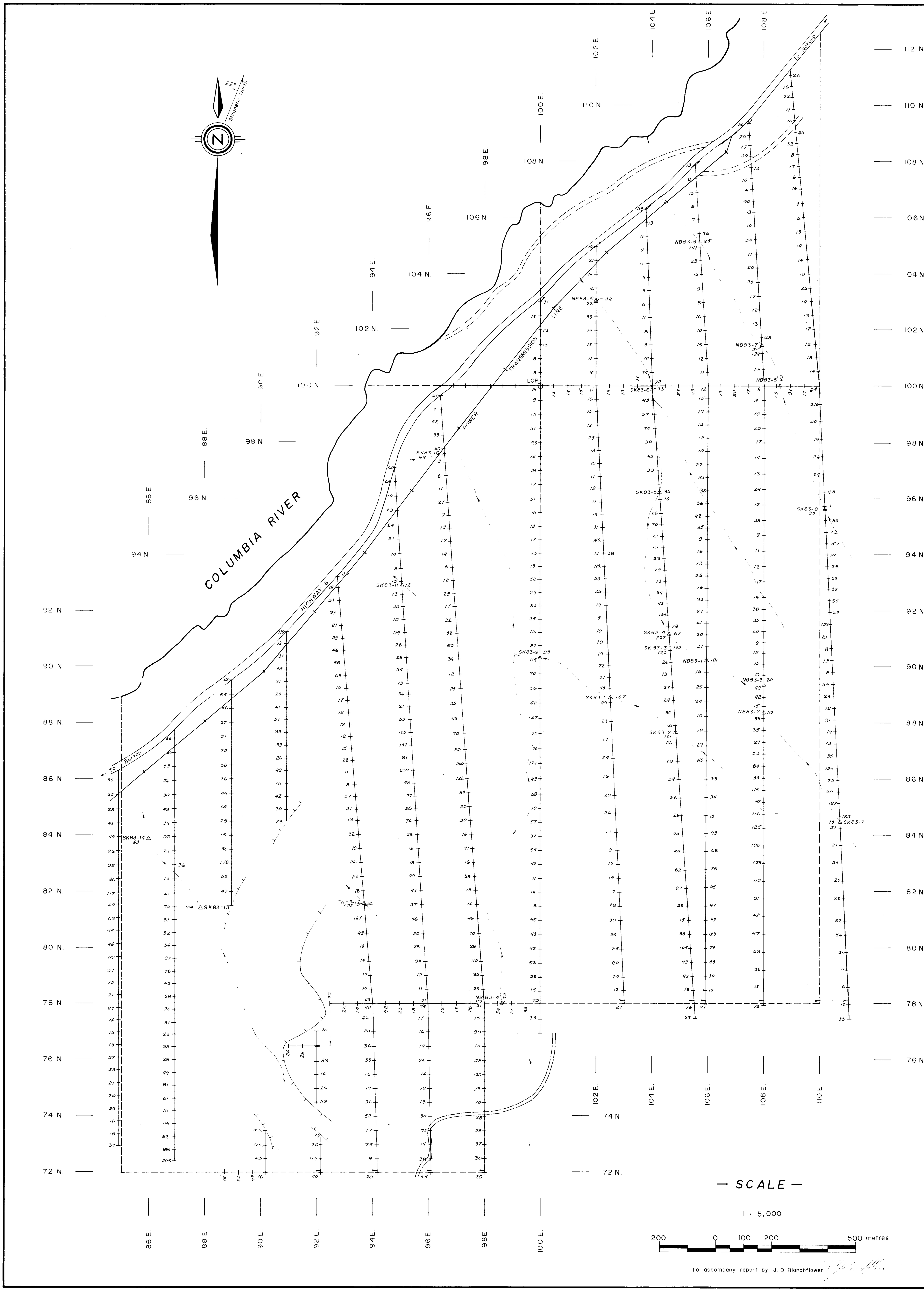
— GEOSTATISTICS —



HUDSON PETROLEUM LTD.
BURNABY, BRITISH COLUMBIA

LEAD and ZINC
SOIL GEOCHEMICAL PLAN
SAM, SKYE and AFTA CLAIMS
SLOCAN MINING DIVISION, BRITISH COLUMBIA

Drawn by : J.D.B.	N.T.S. 82K/4W
Technical work by : J.D.B.	Scale : 1 : 5,000
Date : September, 1983	Figure No. 5c



GEOLOGICAL BRANCH ASSESSMENT REPORT

11,499

— LEGEND —

QUATERNARY

PLEISTOCENE AND RECENT

10 Glacial deposits, recent alluvium

JURASSIC AND/OR CRETACEOUS

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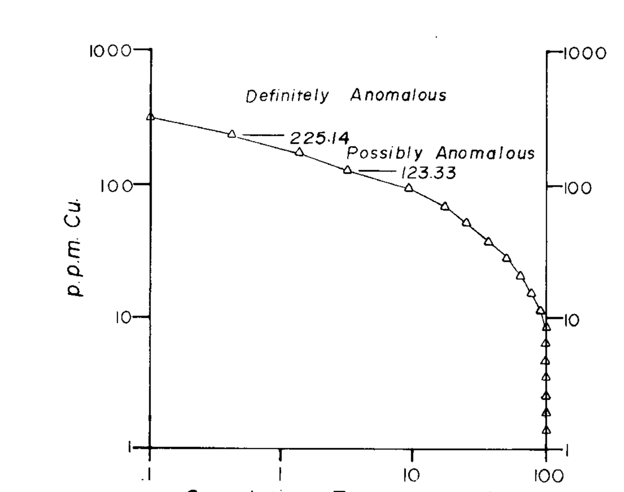
- Tie line
- 32 Geochemical analysis — Copper (p.p.m.)

— GEOSTATISTICS —



— SCALE —

1 : 5,000

200 0 100 200 500 metres

To accompany report by J. D. Blanchflower

HUDSON PETROLEUM LTD.

BURNABY, BRITISH COLUMBIA

COPPER SOIL GEOCHEMICAL PLAN

SAM, SKYE and AFTA CLAIMS

SLOCAN MINING DIVISION, BRITISH COLUMBIA

Drawn by : J. D. B.	N.T.S. 82 K / 4 W
Technical work by : J. D. B.	Scale : 1 : 5,000
Date : September, 1983	Figure No. 5b