82-#752-10751

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE BLUE CLAIM GROUP

8

Liard Mining Division, Cassiar Area, British Columbia
Latitude 59 32'N; Longitude 130 00'W
NTS: 104 O/9, 104 P/5,12

ASSESSMENT REPORT
September, 1982

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

BLUE CLAIM GROUP

LIARD MINING DIVISION
Cassiar Area, British Columbia
Latitude 59°32'N; Longitude 130°00'W
N.T.S.: 104 O/9, 104 P/5,12

FOR

REGIONAL RESOURCES LTD.
Vancouver, British Columbia

BY

M. H. Sanguinetti, P.Eng., Geologist
and
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CORDILLERAN ENGINEERING
1418 - 355 Burrard Street
Vancouver, B.C. V6C 2G8

SEPTEMBER, 1982

CLAIMS	Blue #1 to 4 Record Numbers 2013(8) to 2016(8) inclusive
EXPIRY DATE	August 18, 1982
LOCATION	29 km (18 mi) North of Cassiar, B.C.
WORK PERIOD	May 1 to August 11, 1982

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INTRODUCTION

1. INTRODUCTION

This report describes a geological-geochemical exploration program conducted on the Blue 1 to Blue 4 (inclusive) mineral claims. Work was undertaken during the period May 1st, 1982 to August 11th, 1982 by Cordilleran Engineering. Field operations were based out of flycamps on the property with logistical support provided by a contract helicopter located at the "Midway" camp of Regional Resources Ltd.

The Blue property is situated at latitude 59°32'N, longitude 130°00'W and lies 29 kilometres (18 miles) north of the mining community of Cassiar, B.C. The alpine to subalpine terrain is sparsely vegetated with up to 30% exposure of rock units. Relief is steep with elevations ranging from 1000 to 2000 metres above sea level.

The Blue 1 to 4 claims were staked in 1981 to cover stratiform lead-zinc-silver mineralization hosted within Upper

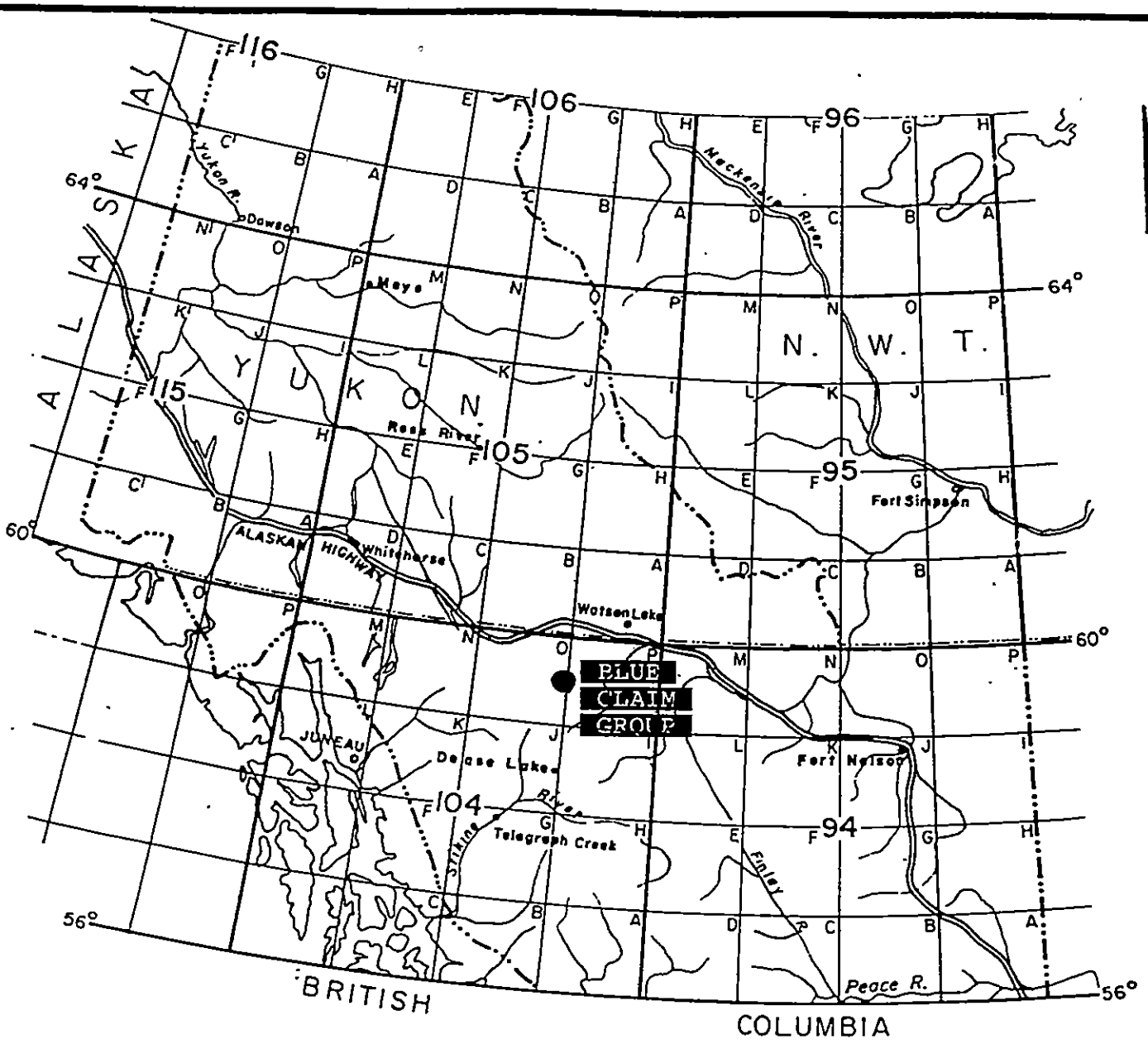
Introduction (cont'd)

Devonian sediments of the Lower Sylvester Group by a pyritic, baritic, siliceous exhalite. Preliminary mapping and geochemical sampling during the fall of 1981 indicated a potentially mineralized strike length of 8 kilometres for this exhalite horizon. In addition, an extensive hydrozincite swamp with local ferricrete gossans was located near the McDame-Lower Sylvester contact.

The 1982 program comprised extensive geological mapping, grid preparation and geochemical sampling (rocks and soils). This work further defined the mineral potential indicated by the 1981 program.

Results of the 1982 work have defined four areas which warrant followup diamond drilling. These are the West Showing, the Discovery Showing, the TS Area and the ZS Area. Further investigation is recommended along the Sylvester-McDame contact area to define any mineralized targets.

This report has been written to comply with regulations governing the acceptance of geological and geochemical surveys for assessment work.



REGIONAL RESOURCES LTD.

LOCATION MAP
BLUE CLAIM GROUP

LIARD MINING DIVISION
Cassiar Area, British Columbia

SCALE: 1"=125 MILES

BY

CORDILLERAN ENGINEERING
1418 - 355 BURRARD STREET
VANCOUVER, B.C. V6C 2G8

September, 1982

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. H. SANGUINETTI

FIGURE 1

LOCATION AND ACCESS

2. LOCATION AND ACCESS
(Figure 1)

The Blue claim group is located 29 kilometres (18 miles) north of Cassiar, B.C. and is centered at latitude 59°32'N, longitude 130°00'W (NTS 1040-9, P-5,-12).

Access during 1982 was by helicopter, utilizing the contract machine based out of the "Midway" camp of Regional Resources Ltd., 33 miles to the north. Food and supplies were brought in weekly and timed to coincide with camp moves. Possible road access from the Cassiar mine area was investigated. Approximately 10 miles of road would be required, in addition to a ford crossing of the Blue River.

PROPERTY

3. PROPERTY

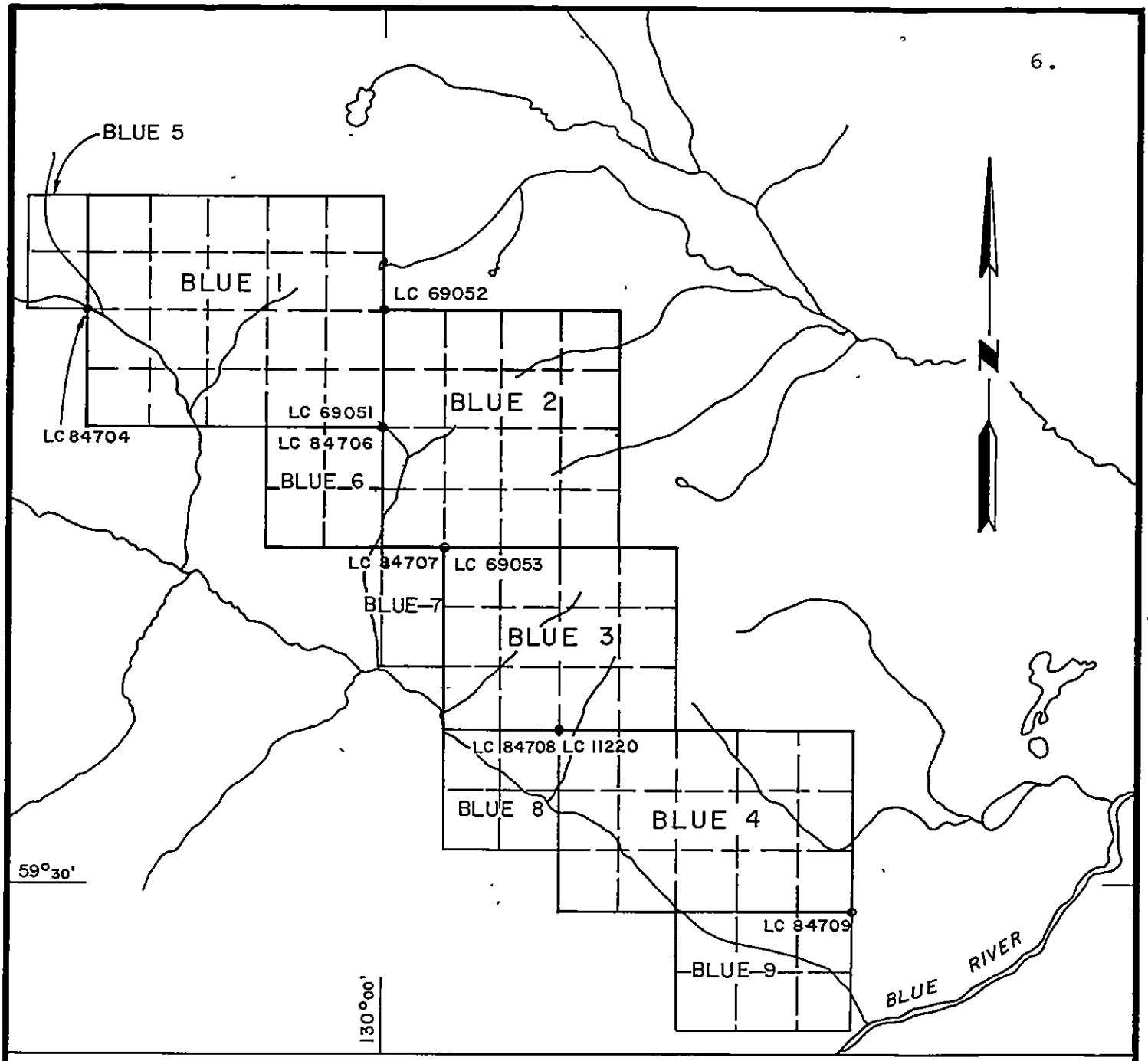
The Blue property (Figure 2) consists of nine mineral claims (81 units) located in the Liard Mining Division.

TABLE I

CLAIM DATA

CLAIM	RECORD NO.	NO. of UNITS	EXPIRY DATE
Blue 1	2013 (8)	20	18 August, 1982*
Blue 2	2014 (8)	16	18 August, 1982*
Blue 3	2015 (8)	12	18 August, 1982*
Blue 4	2016 (8)	15	18 August, 1982*
Blue 5	2410 (8)	2	24 August, 1983
Blue 6	2498 (9)	4	27 September, 1983
Blue 7	2499 (9)	2	27 September, 1983
Blue 8	2500 (9)	4	27 September, 1983
Blue 9	2501 (9)	6	27 September, 1983
	TOTAL	81 units	

*Note: Assessment work on Blue 1-4 (62 units) pertaining to the 1981 program was applied on May 14, 1982. Receipt of certificates of work is pending.



REGIONAL RESOURCES LTD.

CLAIM MAP

BLUE PROPERTY

LIARD MINING DIVISION, B.C.
N.T.S. 104 O/9, 104 P/5,12

SCALE: 1:50,000

BY

CORDILLERAN ENGINEERING
1418 - 355 BURRARD STREET
VANCOUVER, B.C. V6C 2G8

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. H. SANGUINETTI

NOVEMBER 1982

FIGURE 2

Property (cont'd)

A program of geological mapping, trenching, grid preparation and geochemical sampling (rocks and soil) was conducted on the Blue 1 to 4 (inclusive) mineral claims during the 1982 field season.

Towards the end of the field season, five additional claims (18 units) were staked to cover potential mineralization along the McDame-Lower Sylvester contact (Blue #5, August 11; Blue #6-9, September 15, 16).

Trenching and further geochemical sampling were conducted after the acquisition of these new claims.

OPERATIONS

4. OPERATIONS

The 1982 field program was designed to expand and define areas of significant mineralization detected in preliminary 1981 work. To this end, exploration in 1982 consisted of grid preparation, soil geochemistry, detailed geological mapping, trenching and sampling as follows:

Grid Preparation:

Baseline - 8.8km of picketed line trending northwest-southeast and extending the length of the property.

Crosslines - 41.7km of picketed or flagged lines crossing the baseline at 200 metre intervals.

Geochemistry: A total of 928 soil samples, 4 stream sediment samples and 11 rock chip samples were collected. Soils were taken at 50 metre intervals along the grid. Soil samples were analyzed for Pb,Zn,Ag and rock samples for Pb,Zn,Ag,Ba and Au.

Geological Mapping: Detailed geological mapping was completed and plotted at a scale of 1:10,000. A geological section was measured between the West and the Discovery Showings.

Operations (cont'd)

Trenching, Sampling: Subsequent to the geological and geochemical work described in this report, three trenches were blasted and dug out in rock and overburden. Chip samples were cut for assay from one of these trenches.

GEOLOGY

STRATIGRAPHY

INTRUSIVE ROCKS

STRUCTURE

5. GEOLOGY

(Plate 1)

The Blue property is located on the southwest limb of the McDame Synclinorium within the Stikine Ranges of the Cassiar Mountains. Here, early Paleozoic miogeoclinal carbonates and clastics of the Cassiar Platform are overlain by mid to late Paleozoic eugeoclinal volcanics and sediments of the Sylvester Group. Mineralization at the Blue claims is found within both mid-Devonian carbonates of the McDame Group and Upper Devonian to Mississippian basinal "black clastics" of the Lower Sylvester Group. These sediments are abruptly truncated by the mid to Upper Cretaceous Cassiar Batholith at the northwest extremity of the property.

GEOLOGY (cont'd)

STRATIGRAPHY
(Figure 3)

Present mapping has recognized the following geological units at the Blue property:

SANDPILE GROUP Silurian and (?) Devonian

SDsd Dolomitic Sandstone and Dolostone

This unit consists of white-weathering, blocky, dolomitic sandstone thickly interbedded with light-grey weathering, locally sandy, dolostone. Matrix-supported or 'floating' millimetre-size quartz grains often form a distinctive tapioca-like texture. Interbeds of white to dark grey quartzite and light-grey weathering limestone have also been observed. Adjacent to the Cassiar Batholith, contact metamorphism has produced frequent thin, discontinuous calc-silicate laminae. Horizons of black, siliceous argillite with local chert, sandstone and calcarenite (mDa) may occur in the uppermost Sandpile stratigraphy. In excess of 100 metres of this unit is exposed on the Blue claims.

MCDAME GROUP Middle Devonian

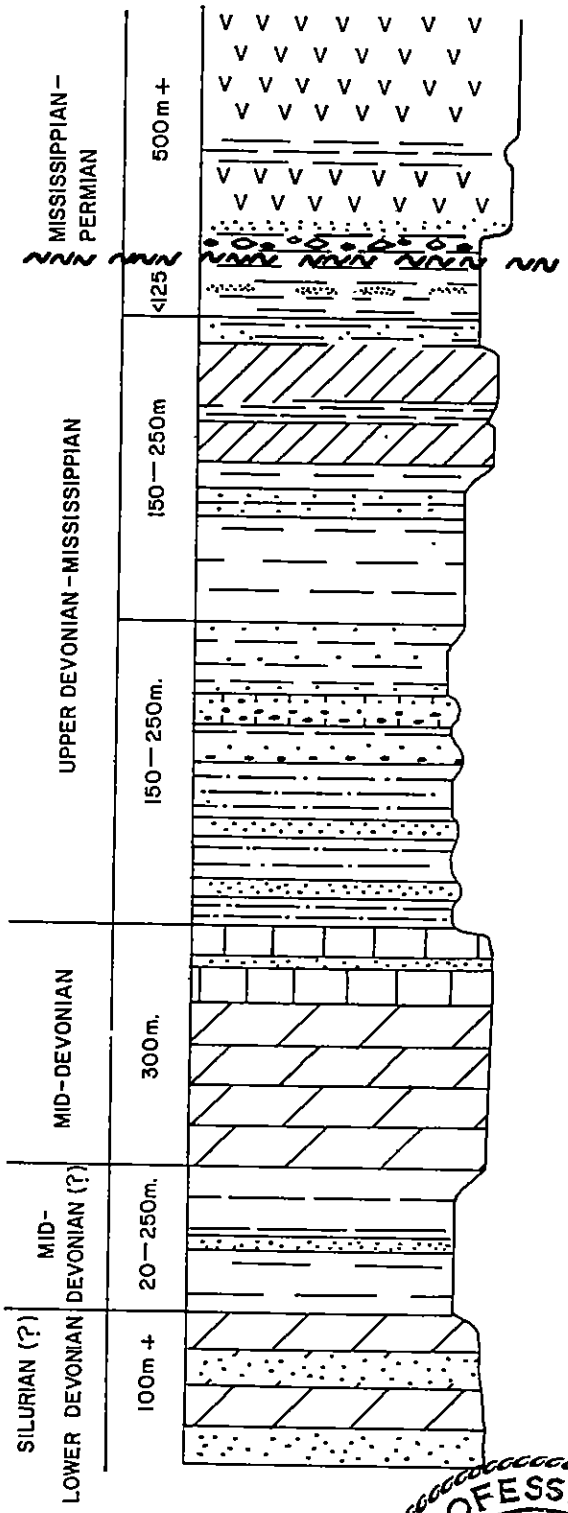
mDc Limestone and Dolostone

This relatively resistant unit is well exposed at lower elevations on the Blue claims. The McDame group consists of a lower, light-grey weathering, blocky dolostone member overlain by a light-grey weathering, platy to blocky, fetid limestone horizon. Planar to wispy-wavy millimetre-sized laminae are common within both members. Highly fossiliferous horizons containing bryozoans, corals and "one-holed" crinoids are frequently detected. In addition, graphitic, siliceous, coarsely crystalline, bioturbated and brecciated facies have all been observed.

Interbeds of light-grey to black, moderate to well-sorted, clast-supported quartzite up to 5 metres thick are common within the McDame Group. In addition, strata of black, siliceous argillite to shale, with local chert, sandstone

STRATIGRAPHIC SECTION

BLUE CLAIM GROUP



UPPER SYLVESTER

MPv SYLVESTER ALLOCHTHON: Intercalated aphanitic, basic to intermediate meta-volcanics together with gabbroic intrusives, serpentinized ultramafics and siliceous sediments. Distinctive cataclasite (sand augen) at lower contact.

LOWER SYLVESTER

uDM$_3$ CHERT AND PHYLLITIC ARGILLITE: Light-grey chert together with green-grey phyllitic argillite. Minor discontinuous sandstone horizons. Unit locally removed by Sylvester Allochthon.

uDM$_2$ SILICEOUS ARGILLITE AND EXHALITE: Yellow-brown weathering, carbonaceous, siliceous argillite with local chert and silty argillite. Contains up to five pyritic, baritic, siliceous exhalite horizons which locally host Pb-Zn-Ag mineralization.

uDM$_1$ SAND LAMINATED SILTY ARGILLITE: Carbonaceous, silty argillite interlaminated to thinly interbedded with fine to coarse grained sandstone turbidites. Local graded bedding, load casts and flame structures. Calcarenite beds to three metres in thickness.

McDAME

mDc LIMESTONE AND DOLOSTONE: Light-grey weathering, blocky dolostone overlain by platy to blocky fetid limestone. Locally laminated, carbonaceous, siliceous, coarsely crystalline, bioturbated and brecciated. Minor quartzite. Hosts limonitic Zn-Ba mineralization near upper contact.

McDAME (?)

mDa ARGILLITE: Black, siliceous argillite with local chert, sandstone and calcarenite. Possibly belongs to uppermost Sandpile.

SANDPILE

SDsD DOLOMITIC SANDSTONE AND DOLOSTONE: White weathering, blocky, dolomitic sandstone thickly interbedded with light-grey weathering dolostone. Local quartzite and limestone.

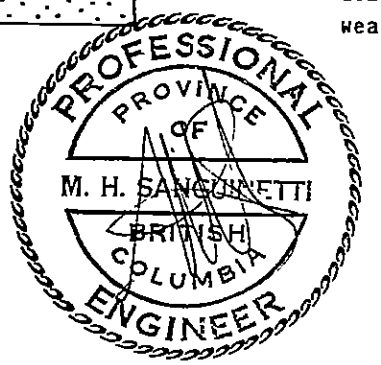


FIGURE 3

GEOLOGY - Stratigraphy (cont'd)

and calc-arenite beds (mDa) are found beneath the dolostone member. These lower clastic horizons may, in fact, belong to the uppermost Sandpile Group.

Where exposed, the contact between the McDame Group and overlying Lower Sylvester sediments appears conformable, although local bedding-plane faulting may have occurred. The uppermost exposures of McDame limestone are frequently brecciated, with local limonitic, baritic and quartzose open space fillings.

Approximately 300 metres of McDame carbonates (mDc) and 20-250 metres of underlying argillaceous sediments (mDa) are exposed on the Blue property.

LOWER SYLVESTER GROUP Upper Devonian and (?) Mississippian

Field mapping has indicated that the Lower Sylvester can be subdivided into the following 3 units:

uDM_1 Sand Laminated Silty Argillite

Soft, carbonaceous, silty argillite, interlaminated to thinly interbedded with fine to coarse-grained sandstone, is present at the base of this unit. A variety of sedimentary features, including graded bedding, load casts and flame structures, are indicative of rapid deposition by turbidity currents. In general, these sediments are relatively coarser up-section, where frequent medium-to-coarse-grained sandstone and calcarenite horizons up to three metres thick occur. Pyritic laminae are common throughout this unit, especially in proximity to the Cassiar Batholith where contact metamorphism has produced a rusty-weathering, poorly-foliated, micaceous, pyritic hornfels. Estimated thickness of this unit is 150-250 metres.

uDM_2 Siliceous Argillite and Exhalite

This member consists of yellow-brown weathering, poorly-foliated, carbonaceous, pyritic, siliceous argillite with interbeds of graphitic chert, siliceous shale and silty argillite. Locally, both siliceous argillite and black chert horizons are ribbon banded. In addition, up to five discrete, yellow-brown weathering, poorly-foliated, sericitic, siliceous exhalite horizons, varying in thickness from one to greater than 100 metres, are present. These exhalite

GEOLOGY - Stratigraphy (cont'd)

beds contain abundant, very fine grained, disseminated to laminated pyrite and barite, with local disseminated to massive galena-sphalerite mineralization. Extensive ferricrete zones and small transported gossans are common in creek gulleys cutting through these exhalite horizons. As was the case for the underlying silt and sand laminated unit, contact metamorphism has produced a local hornfelsic halo immediately adjacent to the Cassiar Batholith. While the lower contact with uDM_1 is conformable, the upper contact is an irregular thrust fault throughout much of the property. In many locations, the uppermost stratigraphy of uDM_2 appears to have been removed during emplacement of the Upper Sylvester Allochthon in late Paleozoic to early Mesozoic time. Locally, this thrust fault lies higher up in the stratigraphy, exposing a third sub-unit of the Lower Sylvester Group (uDM_3). When this member is present, the upper contact appears to be conformable. Estimated thickness of uDM_2 is found to vary from 150 to 250 metres.

uDM_3 Chert and Phyllitic Argillite

Where present, this unit consists of pale green to grey, moderately-phyllitic argillite together with light-grey chert, possibly of exhalitive affinity. Discontinuous laminae to thin beds of non-calcareous sandstone are locally found. In proximity to the thrust contact with the overlying Sylvester Allochthon, the chert members display a weakly to moderately developed, sub-millimetre shearing (flaser foliation?). Throughout much of the property, this unit appears to have been removed during emplacement of the allochthon. A maximum thickness of approximately 125 metres is estimated for uDM_3 on the Blue property.

UPPER SYLVESTER GROUP Mississippian and (?) Permian

MPv Sylvester Allochthon

This exotic assemblage (Sylvester Allochthon) consists of late Paleozoic eugeoclinal oceanic terrain which has been thrust over early to mid-Paleozoic rocks of the Cassiar Platform. On the Blue property, this unit consists of green-grey weathering, aphanitic, intermediate to basic metavolcanics ("greenstone") together with minor fine-grained gabbroic intrusives, serpentinized ultramafics and moderately siliceous sediments. Resistant volcanic rocks form the highest exposures on the claims. A relatively low-grade regional metamorphism has resulted in pervasive chloritic alteration, with local carbonatization and serpentinization. Immediately overlying the

GEOLOGY - Stratigraphy (cont'd)

autochthonous strata of the Lower Sylvester Group, a distinctive cataclasite member is exposed. This rock consists of light grey, medium-grained, ellipsoidal sandstone augen within a moderately-graphitic, sheared, black shale matrix. Interbeds of medium-grained quartzite cut by abundant quartz-calcite veins and thin horizons (tectonic slices?) of greenstone are also present immediately above the thrust contact. The total thickness of this unit is estimated to be in excess of 500 metres.

GEOLOGY (cont'd)

Intrusive Rocks

KQM CASSIAR BATHOLITH

At the northwest corner of the Blue property, medium-grained, biotite-quartz monzonite of the mid-to-late Cretaceous Cassiar Batholith truncates Paleozoic sediments and volcanics. Within approximately 500 metres of the intrusive body, weak to moderate contact metamorphism has occurred. Argillaceous sediments of the Lower Sylvester Group have been altered to rusty-weathering, poorly foliated, micaceous, pyritic hornfels. Underlying carbonates and calcareous sediments have been pervasively silicified with local development of green calc-silicate laminae adjacent to the batholith.

Structure

Within the Blue property, deformation is relatively mild. Located on the southwest limb of a broad, open syncline (McDame Synclinorium), strata exposed on the claims dip primarily to the northeast. In very isolated exposures, small-scale, congruous, parasitic folding was observed. At the northwest end of the property, bedding orientation gradually shifts towards a north-south strike as the Cassiar Batholith is approached.

High angle reverse and normal faults with minor displacement have locally been detected. This faulting appears to be more frequent adjacent to the batholith.

MINERALIZATION

6. MINERALIZATION

Two distinctly different types of mineralization have been located on the Blue property. The most significant discoveries to date are of the stratiform shale-hosted variety. In addition, highly oxidized, carbonate-hosted mineralization has been detected.

Stratiform sulphides are hosted within a pyritic, baritic, siliceous exhalite horizon found within Lower Sylvester Group sediments. To date, four mineralized occurrences of this type have been located:

1. Discovery Showing
2. West Showing
3. T.S. Area
4. Z.S. Area

MINERALIZATION (cont'd)

1. DISCOVERY SHOWING: (Table 2, Figure 4)

Massive galena-sphalerite-barite is found within a 2 metre thick, highly oxidized horizon. A selected grab sample of this material has assayed 32.54% Pb, 15.30% Zn, 15.0% Ba and 0.50% Ag (#7033). In addition, a prominent ferricrete fan extends for approximately 75 metres upstream of this occurrence, suggesting that further mineralization may exist at a higher stratigraphic position.

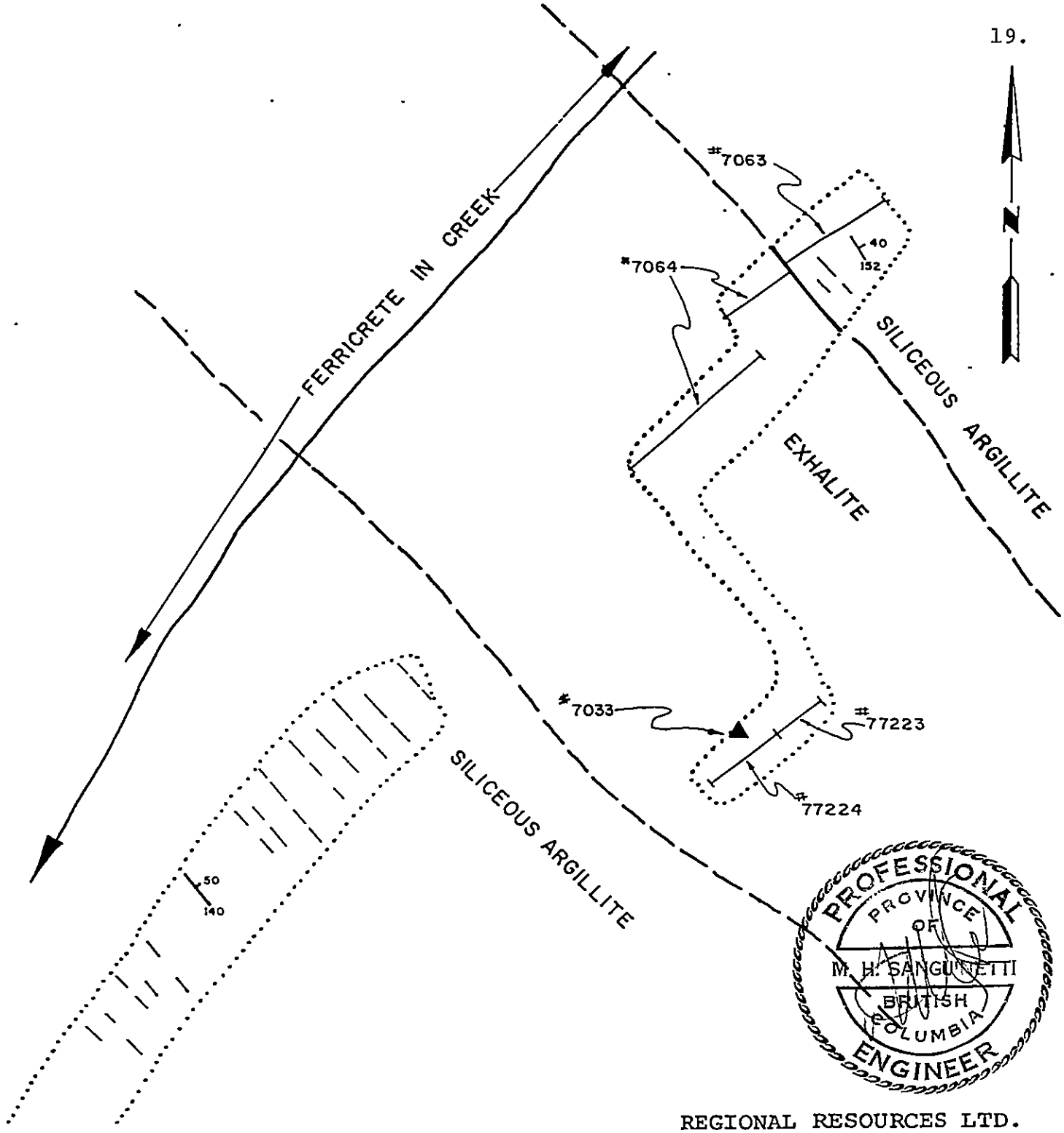
TABLE 2

ASSAY RESULTS - DISCOVERY SHOWING

Sample Number	Nature	Width (metres)	Pb %	Zn %	Ag oz/ton	Ba %	Cu %
7033	grab	-	32.54	15.30	0.50	15.0	-
7063	chip	1.0	<0.01	0.01	0.02	1.42	0.01
7064	chip	2.2	0.05	0.06	0.02	6.48	0.01
77223	chip	0.5	0.43	0.25	0.05	4.8*	50**
77224	chip	0.7	3.60	0.78	0.33	6.2*	138**

*Semi-Quantitative Assay

**Analysis (values on ppm)



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ROCK SAMPLE LOCATION MAP
DISCOVERY SHOWING

BLUE CLAIM GROUP
LIARD MINING DIVISION, B.C.
SCALE: 1:50

1.0 .75 .5 .25 0 .5 1.0M

SYMBOLS

DEFINED CONTACT
ASSUMED CONTACT
BEDDING ATTITUDE
OUTCROP
CHIP SAMPLE INTERVAL
ASSAY NUMBER *77235
GRAB SAMPLE

FIGURE: 4

MINERALIZATION (cont'd)

2. WEST SHOWING: (Table 3, Figure 5)

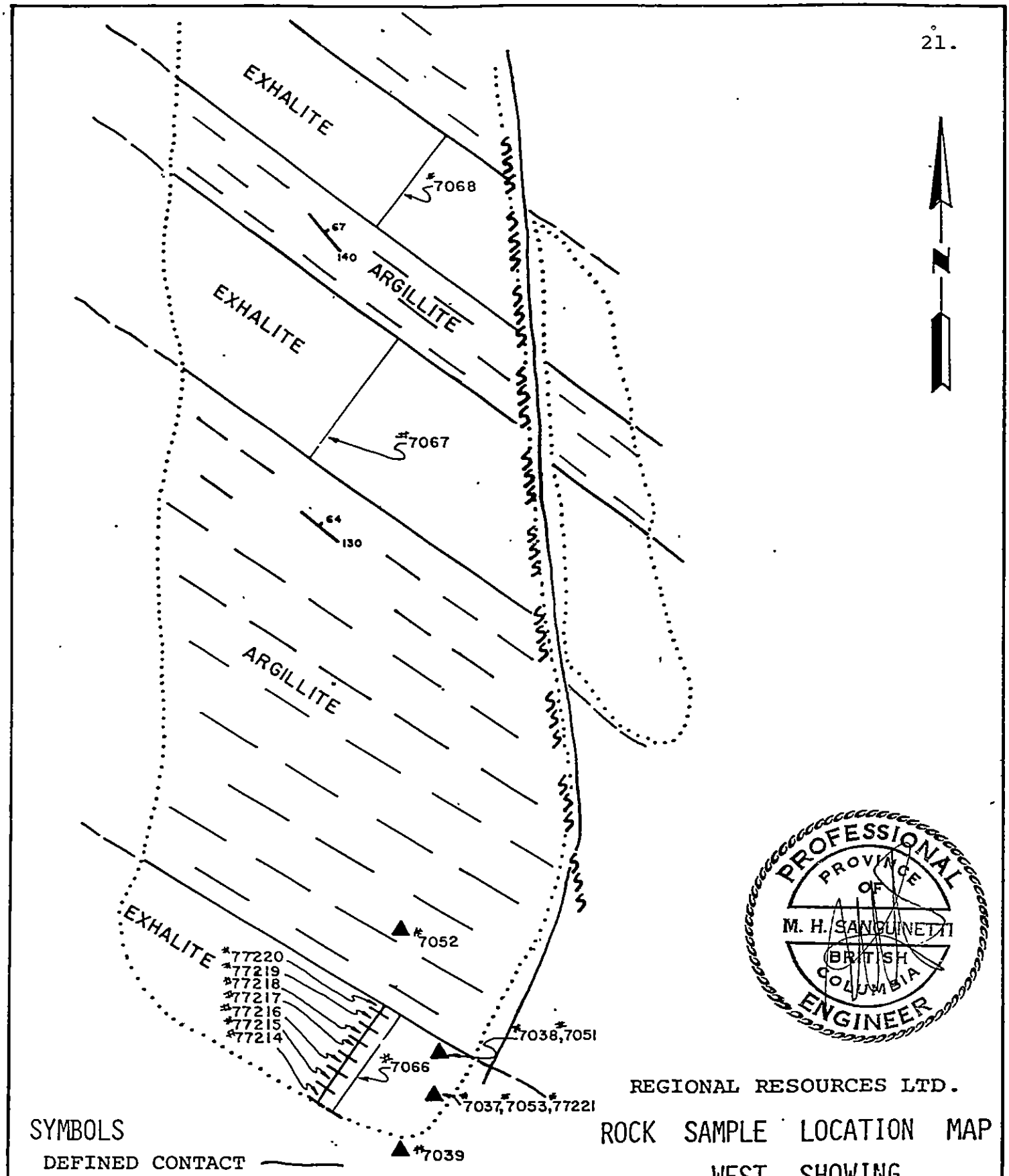
Disseminated mauve to yellow sphalerite is found within an eleven metre thick pyritic, baritic siliceous exhalite horizon. A channel sample (#77217) of oxidized material collected over a 1.8 metre interval assayed 0.40% Zn, 0.04% Pb, 0.02 oz/ton Ag. A selected grab sample of less oxidized material assayed 6.75% Zn, 0.02% Pb and <0.02 oz/ton Ag (#7038).

TABLE 3

ASSAY RESULTS - WEST SHOWING

Sample Number	Nature	Width (metres)	Pb %	Zn %	Ag oz/ton	Ba %	Cu %	Au oz/ton
7037	grab	-	0.08	4.85	0.04	-	-	-
7038	grab	-	0.02	6.75	<0.02	-	-	-
7039	grab	-	0.08	0.40	0.04	-	-	-
7051	grab	-	0.02	1.27	0.02	1.97	0.01	0.002
7052	grab	-	0.02	<0.01	0.05	3.99	0.01	0.002
7053	grab	-	0.03	3.53	0.02	3.21	<0.01	0.002
7066	chip	11.1	0.03	0.06	<0.02	6.82	<0.01	-
7067	chip	14.0	0.03	0.07	0.02	4.18	<0.01	-
7068	chip	11.2	0.06	0.04	0.02	2.50	<0.01	-
77214	chip	1.8	0.04	0.06	<0.02	13.0*	33**	-
77215	chip	1.8	0.03	<0.01	0.04	11.0*	18**	-
77216	chip	1.7	0.03	0.11	0.02	9.5*	23**	-
77217	chip	1.8	0.04	0.40	0.02	6.1*	23**	-
77218	chip	1.7	0.02	0.08	<0.02	4.1*	24**	-
77219	chip	1.7	0.01	0.11	<0.02	3.6*	22**	-
77220	chip	0.9	0.02	0.04	0.02	3.0*	38**	-
77221	grab	-	0.04	4.20	0.02	3.8*	89**	-

*Semi-Quantitative Assay
**Analysis (values in ppm)



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ROCK SAMPLE LOCATION MAP
WEST SHOWING

BLUE CLAIM GROUP
LIARD MINING DIVISION, B.C.
SCALE: 1:500

10 7.5 5 2.5 0 5 10

SYMBOLS

- DEFINED CONTACT
- ASSUMED CONTACT
- BEDDING ATTITUDE
- FAULT
- OUTCROP
- CHIP SAMPLE INTERVAL
- ASSAY NUMBER #77235
- GRAB SAMPLE ▲

FIGURE: 5

MINERALIZATION (cont'd)

3. T.S. AREA: (Table 4, Figure 6)

Within a 200 metre strike length, disseminated galena mineralization has been detected at two separate locations. In each case, up to four distinct exhalite horizons, ranging from 0.5 to 5 metres in thickness, are present. Selected grab samples of mineralized exhalite have assayed 0.80% Pb, 0.75% Zn (#77234); 23.70% Pb and 0.24% Zn (#77235).

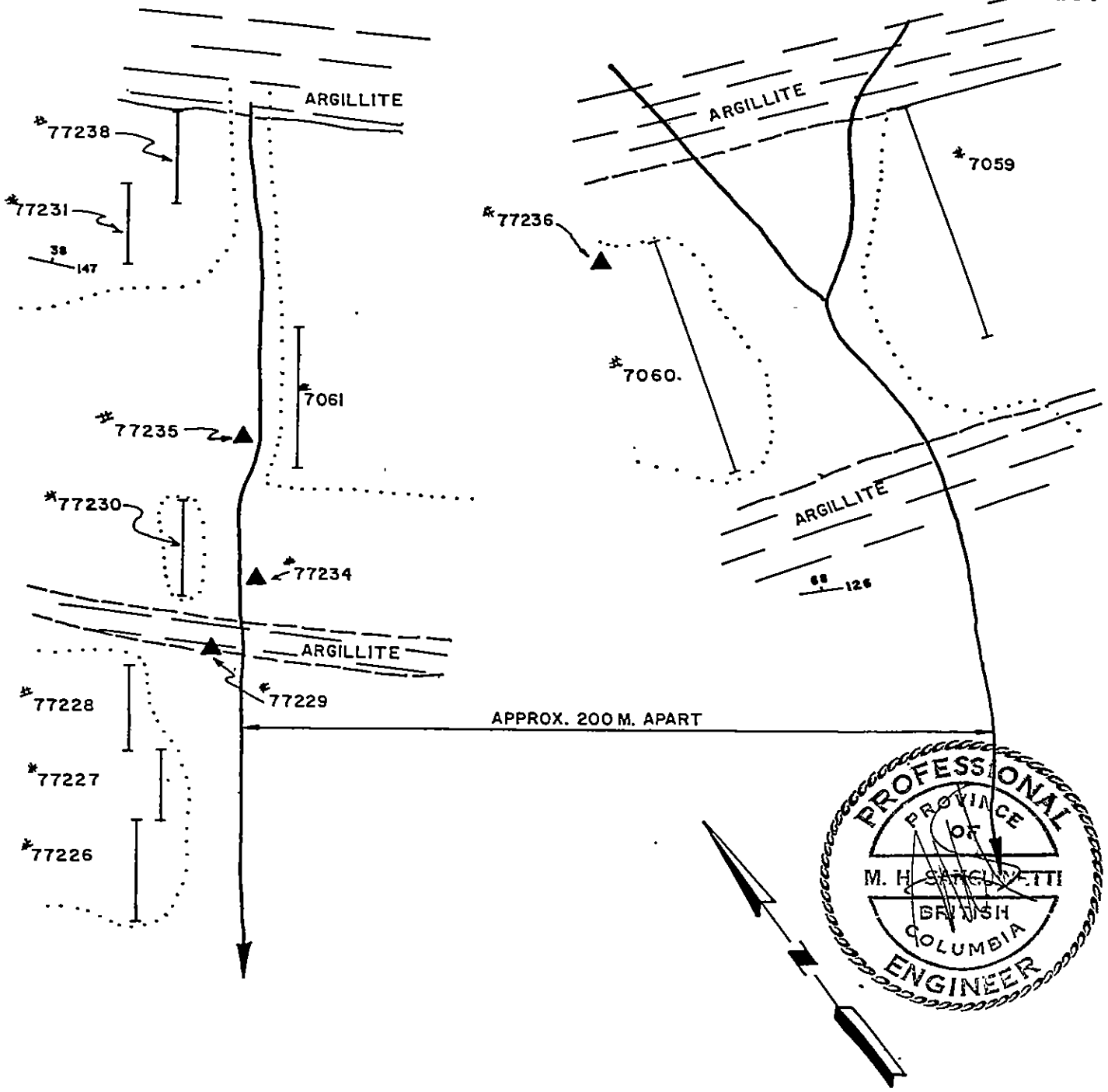
TABLE 4

ASSAY RESULTS - T.S. AREA

Sample Number	Nature	Width (metres)	Pb %	Zn %	Ag oz/ton	Ba %	Cu %
7059	chip	5.0	0.02	0.04	0.02	6.85	<0.01
7060	chip	5.0	0.12	0.15	0.02	6.42	<0.01
7061	chip	3.0	0.04	0.06	0.02	6.61	<0.01
77226	chip	2.1	0.07	<0.01	1.0**	19150**	12**
77227	chip	1.45	0.02	<0.01	0.4**	16480**	10**
77228	chip	1.8	0.01	<0.01	0.2**	4.8*	16**
77229	grab	-	0.28	<0.01	1.2**	4.4*	18**
77230	chip	2.0	0.13	<0.01	0.6**	4.6*	15**
77231	chip	1.65	0.02	<0.01	0.3**	4.1*	48**
77234	grab	-	0.80	0.75	0.6**	7.7*	68**
77235	grab	-	23.70	0.24	20.0**	6.6*	460**
77236	grab	-	0.97	<0.02	3.2**	4.0*	16**
77238	chip	1.9	0.12	0.04	0.2**	5.9*	67**

*Semi-Quantitative Assay

**Analysis (values in ppm)



SYMBOLS

DEFINED CONTACT
ASSUMED CONTACT
BEDDING ATTITUDE
OUTCROP
CHIP SAMPLE INTERVAL
ASSAY NUMBER *77235
GRAB SAMPLE ▲

REGIONAL RESOURCES LTD.

ROCK SAMPLE LOCATION MAP

T.S. AREA

BLUE CLAIM GROUP
LIARD MINING DIVISION, B.C.
SCALE: 1:125

3 2 1 0 1.5 3.0M

FIGURE: 6

MINERALIZATION (cont'd)

4. Z.S. AREA: (Table 5, Plate 1)

Disseminated to wispy-laminated galena has been detected within two one-metre thick horizons of siliceous exhalite at this location. A grab sample of this material assayed 0.28% Pb and 0.12% Zn (#77237). Ellipsoidal nodules (to 5 cm) coated by pale blue hydrozincite have also been observed. In addition, an extensive 1000 x 400 metre zone of hydrozincite precipitation has formed where this exhalite horizon enters the Blue River valley. This large hydromorphic accumulation, together with strong zinc soil geochemistry and local ferricrete gossans, suggest that sulphide mineralization may lie at depth.

In addition to the above stratiform occurrences, carbonate-hosted stratabound mineralization has been located immediately below the McDame-Lower Sylvester contact at the Carbonate Zone (Plate 1, Table 5). Grab samples of subcropping botryoidal, semi-metallic limonite have assayed to 2.04% Zn and 0.06 oz/ton Ag(#77222). Strong coincident zinc soil geochemistry suggests a potential strike length in excess of 1300 metres for this epigenetic mineralization.

TABLE 5

MISCELLANEOUS ASSAY RESULTS

Sample Number	Pb %	Zn %	Ag oz/ton	Ba %	Cu %	Remarks
7054	<0.01	0.01	0.06	1.13	<0.01	Siliceous exhalite - 13 m chip sample
7055	0.02	0.01	0.04	5.37	<0.01	Baritic, siliceous exhalite - 5 m chip sample
7056	<0.01	<0.01	0.02	1.21	<0.01	Siliceous exhalite - 13 m chip sample
7057	0.01	0.01	0.02	4.15	<0.01	Siliceous exhalite - 4 m chip sample
7058	0.02	0.01	0.04	1.66	<0.01	Siliceous exhalite - 2 m chip sample
7065	0.01	<0.01	0.02	1.48	0.01	Siliceous exhalite - 1.2m chip sample
77222	<0.01	2.04	0.06	0.05	<0.01	Carbonate Zone: limonitic grab sample
77225	0.09	0.20	0.06	2.88	0.02	NW of Carbonate Zone: limonitic grab sample
77237	0.28	0.12	4.0**	3.4*	220**	Z.S. Area: siliceous mineralized exhalite (grab sample)

*Semi-Quantitative Assay
**Analysis (values in ppm)

GEOCHEMISTRY

7. GEOCHEMISTRY

(Plates 2-5, Appendix "F")

Soil sampling was conducted along the entire length of the Blue #1 to #4 claim group on a 200 metre grid system. An 8.8 kilometre, northwest trending baseline was picketed and a total of 41.7 kilometres of crosslines were turned off at 200 metre intervals. Sample sites were located at 50 metre intervals along both baseline and crosslines. A total of 928 soil samples, 4 stream sediment and 11 rock chip samples were collected for analysis.

Whenever possible, soil samples were collected from the B horizon, stream sediments were taken from the active part of the channel and rock chips were cut from fresh material. Each sample site was marked with flagging and assigned a discrete number. Notes were written describing location and the nature of the material collected. Sample depth, soil type, colour, drainage and slope were recorded for each site. Samples were placed in numbered kraft envelopes, dried and sieved (soil and sediment only) to -80 mesh at base camp, then shipped to Bondar-Clegg & Company Ltd.'s laboratory in North

GEOCHEMISTRY (cont'd)

Vancouver, B.C. for Pb, Zn, Ag (and Ba, Au) analysis.

Hot HNO_3-HCl extraction of metals in the pulps was followed by the atomic absorption method of analysis for Pb, Zn and Ag. Barium was determined by X-ray fluorescence. Gold determination was by atomic absorption after further preparation and lead fusion using silver as a collector.

Geochemical data from 914 of the 928 samples collected were plotted on lognormal cumulative probability paper (Figures 7 to 9). On these graphs, the ordinate logarithmic scale represents geochemical values in parts per million while the abscissa probability scale represents cumulative frequency. A single lognormal distribution will plot as a straight line on this paper. When two lognormally distributed populations are present, as was the situation for the Blue soil geochemistry, a curve containing a single inflection point will result. From this composite curve, the two component populations can be segregated to produce two discrete straight line plots. For the Blue soil data, the upper line displays the range in values of the lognormally distributed anomalous population while the lower line represents background levels. Once the component populations have been graphically identified, a technique described by Sinclair (1976) allows for

GEOCHEMISTRY (cont'd)

accurate selection of threshold values.

Figure 7 is a probability graph of 914 lead analyses of soils collected from the Blue property. The inflection point of the composite curve (marked by an arrow) defines the relative proportions of the anomalous and background populations. In this case, 3.5% of the total data, or about 32 samples, are found to be anomalous, while 96.5%, or about 882 samples, are determined to be background. By selecting threshold levels at 0.5% of the anomalous population (90 ppm),three distinct groups of varying exploration significance are obtained. Top priority for follow-up work can be given to values greater than 160 ppm (Group 1), where 87% of these samples belong to the anomalous population. Second priority is assigned to the 27.4 samples in the intermediate range (Group 2) where 10.5% of the values (2.5 samples) are anomalous. Virtually all of the remaining 856 samples (Group 3) belong to the background population and warrant no follow-up work. For practical purposes, Group 1 can be labelled as anomalous, Group 2 as possibly anomalous and Group 3 as background.

In a similar manner, zinc analyses are plotted in Figure 8 and silver results in Figure 9. As was the case for

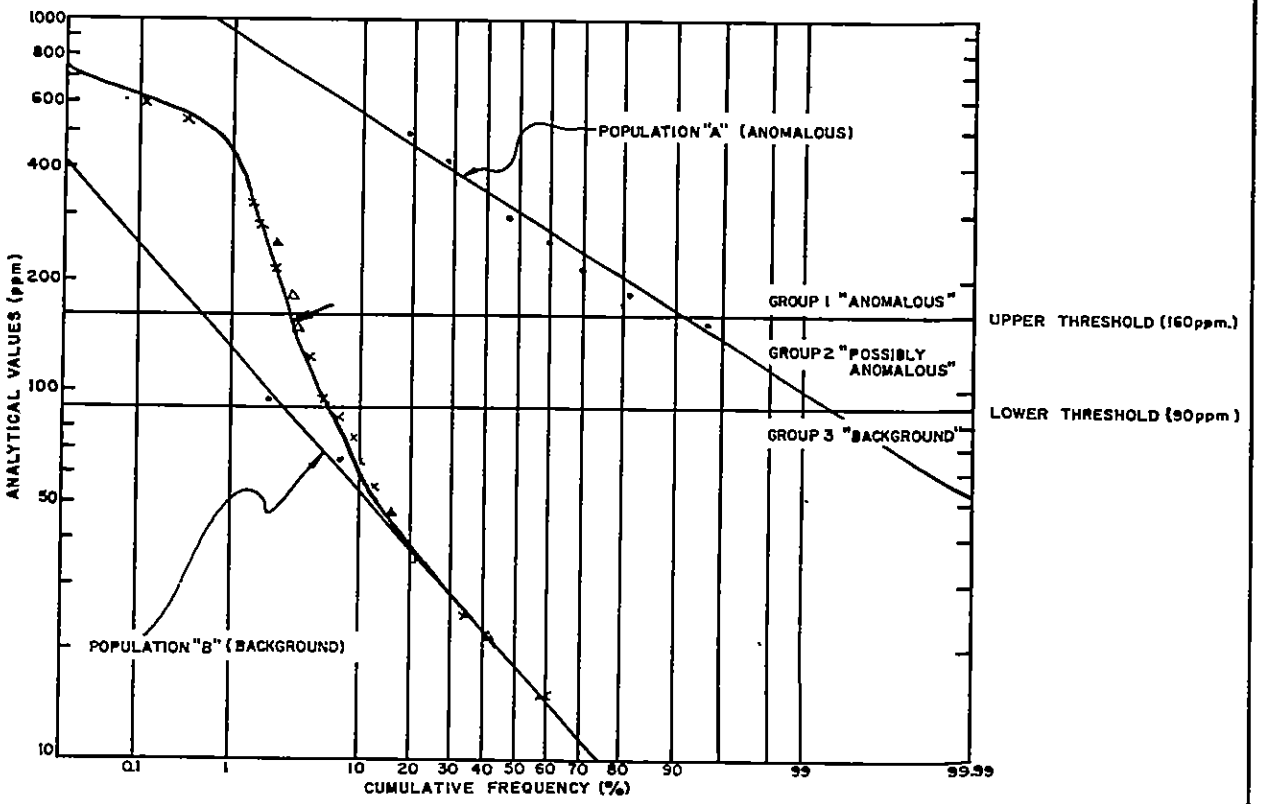
GEOCHEMISTRY (cont'd)

lead values, probability graphs have clearly defined lognormally-distributed background and anomalous populations. It can be seen that a greater proportion of silver and zinc samples belong to the anomalous population than was the case for lead. Selection of threshold values has produced the following categories:

	Table 6 Statistical Categories		
	Pb (ppm)	Zn (ppm)	Ag (ppm)
Background - Group 3	0-90	0-750	0-0.47
Possibly Anomalous-Group 2	91-160	751-1580	0.48-1.2
Anomalous-Group 1	>160	>1580	>1.2

Geochemical results indicate that a multi-element (Pb, Zn, Ag) soil anomaly coincides with the discontinuous surface exposure of the siliceous exhalite horizon (Plate 5). This trend can be followed for over 8 kilometres on the property, with geochemical values up to 730ppm Pb, 16,860ppm Zn and 19.0ppm Ag. At the southeast corner of the claims, a large (1000 X 400 metre) zinc soil anomaly coincides with an extensive hydrozincite swamp (Z.S. Area). This hydromorphic accumulation may reflect buried mineralization, hosted by either Lower Sylvester Group sediments or McDame Group carbonates. In addition, a 1300 metre long zinc soil anomaly (values to 9250 ppm Zn) occurs where highly oxidized zinc-rich mineralization has been detected within McDame Group limestones (Carbonate Zone). Sporadic soil anomalies encountered elsewhere on the property may reflect additional carbonate-hosted mineralization.

LEAD IN SOILS — BLUE PROPERTY



O — PARTITIONED POINTS

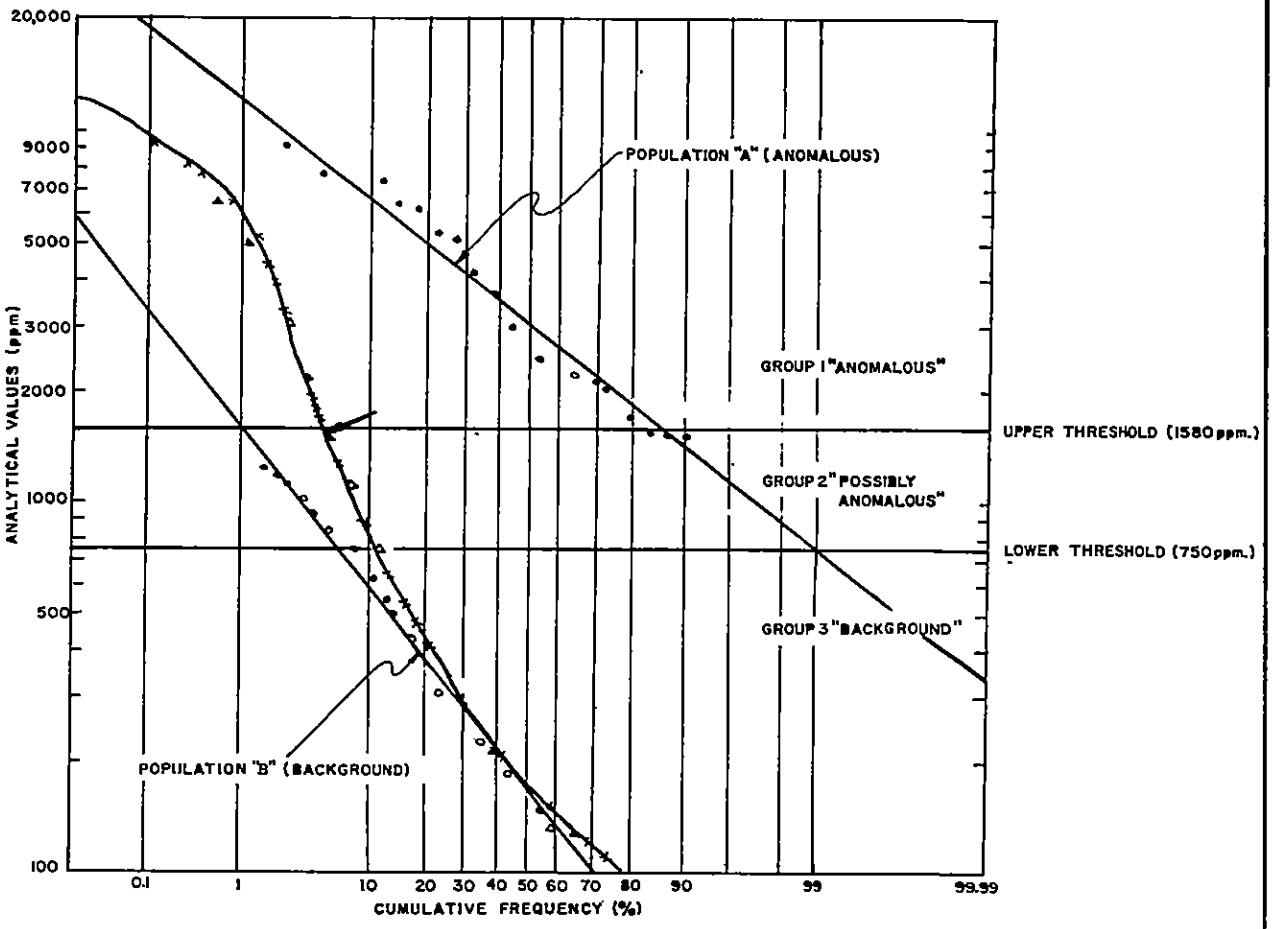
X — NON-PARTITIONED POINTS

Δ — CHECK POINTS

POPULATION	PROPORTION (%)	NO. OF SAMPLES
"A": ANOMALOUS	3.5	32
"B": BACKGROUND	96.5	882
"A"+"B"	100.0	914

FIGURE: 7

ZINC IN SOILS — BLUE PROPERTY

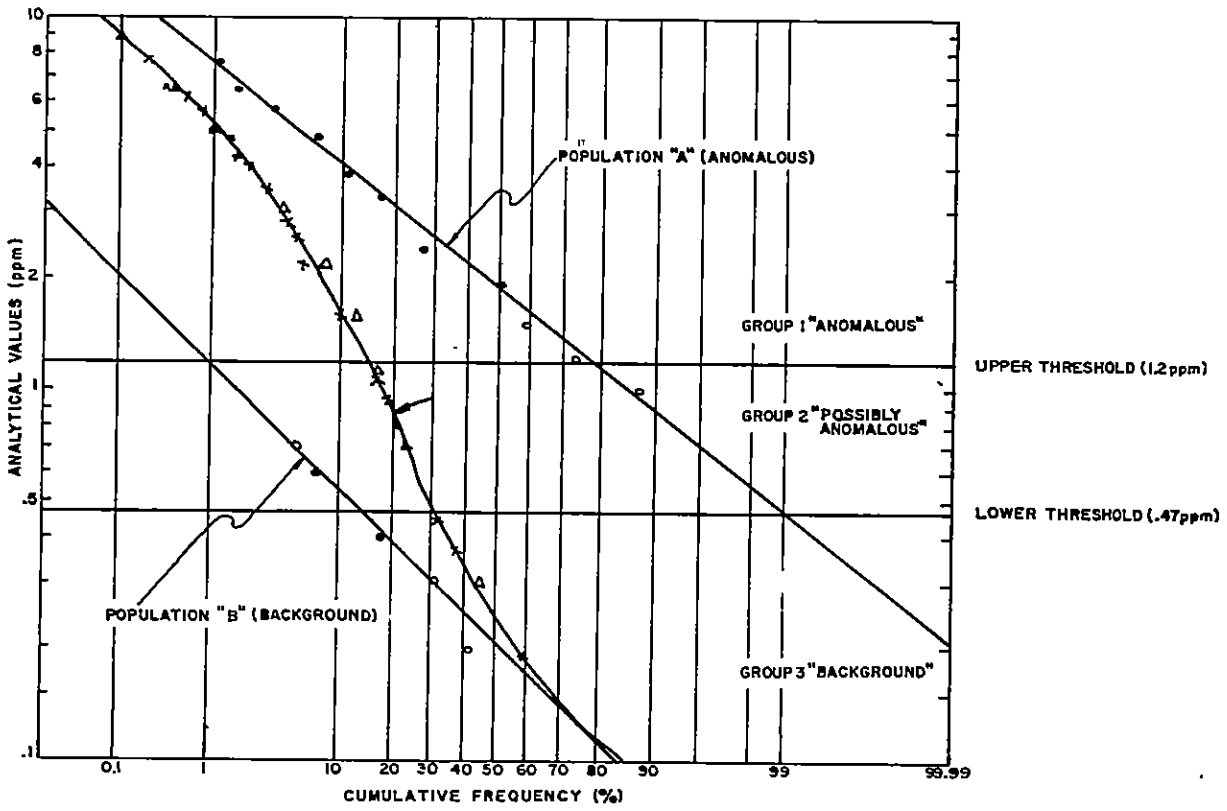


O—PARTITIONED POINTS
X—NON-PARTITIONED POINTS
Δ—CHECK POINTS

POPULATION	PROPORTION (%)	NO. OF SAMPLES
"A": ANOMALOUS	5	46
"B": BACKGROUND	95	868
"A"+"B"	100	914

FIGURE: 8

SILVER IN SOILS— BLUE PROPERTY



O—PARTITIONED POINTS
X—NON-PARTITIONED POINTS
Δ—CHECK POINTS

POPULATION	PROPORTION (%)	NO. OF SAMPLES
"A": ANOMALOUS	20	183
"B": BACKGROUND	80	731
"A"+"B"	100	914

FIGURE: 9

SUMMARY & CONCLUSIONS

8. SUMMARY & CONCLUSIONS

The Blue property consists of nine mineral claims (81 units) located in the Liard Mining Division, 29 kilometres (18 miles) northwest of Cassiar, British Columbia. The initial four claims (63 units) were staked in August, 1981, with additional staking (Blue #5-9) completed by September 1982. Claim acquisition and subsequent work have been conducted by Cordilleran Engineering for Regional Resources Ltd.

The Blue claims primarily cover steep, sparsely-vegetated alpine terrain with moderate exposure of rock units. The property is situated 13 kilometres (18 miles) from an existing gravel road off the Stewart-Cassiar highway; access in 1982 was by helicopter.

Work completed to date includes geological mapping, geochemical soil sampling (953 collected), prospecting and trenching.

Significant Pb-Zn-Ag stratiform mineralization on the

Summary & Conclusions (cont'd)

Blue property is hosted within Upper Devonian sediments of the Lower Sylvester Group by a pyritic, baritic, siliceous exhalite.

To date, stratiform galena-sphalerite mineralization has been discovered at four locations. Assays of grab samples from these mineralized locations have included the following outstanding results: 32.54% Pb; 15.30% Zn, 0.5 oz/ton Ag (Discovery Showing); 6.75% Zn, 0.02% Pb, <0.02 oz/ton Ag (West Showing); and 23.70% Pb, 0.24% Zn (T.S. Area). The host siliceous exhalite horizon varies in thickness from 1 to greater than 100 metres and can be traced for a strike length exceeding 8 kilometres on the claim group. Strongly anomalous soil geochemistry with values to 730 ppm Pb, 16,860 ppm Zn and 19.0 ppm Ag coincides with this mineralized trend. In addition, a pronounced hydrozincite swamp (Z.S. Area) with a coincident, extensive (1000 X 400m) zinc soil anomaly was formed at the break in slope where this siliceous exhalite horizon enters the Blue River valley.

In addition to the stratiform shale-hosted type mineralization, the Blue property offers excellent potential for locating an epigenetic carbonate-hosted Pb-Zn-Ag deposit. Grab samples of highly oxidized surface mineralization collected from McDame Group

Summary & Conclusions (cont'd)

limestones have assayed up to 2.04% Zn. Strongly anomalous soil samples (values to 9250 ppm Zn) suggest a potential strike length in excess of 1300 metres for this lower stratabound mineralization.

These features all indicate that further exploration has a very high probability of locating economic sulphide mineralization on the Blue property. Continued exploration is strongly recommended.

Respectfully submitted

CORDILLERAN ENGINEERING

Michael H. Sanguinetti, P.Eng.
Geologist

Bruce A. Youngman, B.Sc.
Geologist

MHS;BAY/b

November, 1982

APPENDIX "A"

STATEMENT OF EXPENDITURES

APPENDIX "A"

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
To Wit:

In the Matter of a geological and geochemical report on the Blue #1 to #4 (inclusive) mineral claims:

I, Michael H. Sanguinetti, agent for John W. Stollery

of 1418 - 355 Burrard Street, Vancouver

in the Province of British Columbia, do solemnly declare that a program of detailed geological mapping (1:10,000), grid preparation (50.5km) a geochemical survey (928 soil samples, 15 rock and sediment samples) was conducted on the Blue #1 to #4 (inclusive) mineral claims in the Liard Mining Division during the period May 1st, 1982 to August 11th, 1982. The following expenses were incurred in this work and in the later preparation of the report:

Salaries	$18,500.
Management Fees (Cordilleran Engineering)	11,200.
Helicopter (Northern Mountain Helicopter - 10 hrs.)	4,650.
Food (160 man days X $14.00/md)	2,240.
Rentals	1,250.
Camp Supplies	800.
Assays (Bondar-Clegg)	880.
Geochemical Analysis (Bondar-Clegg, 943 samples)	7,260.
Drafting, printing	800.
Report preparation	2,950.
Supervision, Professional Services (M. Sanguinetti, (10 days X $350./d) P.Eng.)	3,500.
	$54,030.

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City of Vancouver, in the Province of British Columbia, this 18th day of November 1982, A.D.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. H. SANGUINETTI

A Commissioner for taking Affidavits for British Columbia or
A Notary Public in and for the Province of British Columbia

APPENDIX "B"

PERSONNEL

Appendix "B"

PERSONNEL

The following personnel worked on the Blue 1 to 4 claim group or were engaged in the report preparation:

B.A. Youngman, B.Sc.
Geologist — 8364 Fremlin Street, Vancouver, B.C.

-Mapper, sampler, report preparation

J.M. Slack
Mining Technician (Haileybury) — 311 - 2065 West 5th Avenue, Vancouver, B.C.

-Sampler, prospector, draftsman

J.L. Tindle, B.A. — General Delivery, Whistler, B.C.

-Cook, sampler

R.D. Mirko — 102 - 380 East 1st Street, North Vancouver, B.C.

-Sampler, line cutter

T.G. Simard — 212 - 1025 Sutley Street, Victoria, B.C.

-Sampler, line cutter

K.C. McInnis — 509A Sunnydale Place, Waterloo, Ontario

-Sampler, mapper

M.H. Sanguinetti, P.Eng.
Geologist — 1418 - 355 Burrard Street, Vancouver, B.C.

-Supervisor, report preparation

.....cont'd

	PERIOD WORKED	DAYS	RATE (plus 20% o/t)	TOTAL SALARY
B. Youngman	May 1 - August 18	35 d	2500./mo	$ 3,750.
J. Slack	June 2 - August 11	30 d	1400./mo	1,680.
J.L. Tindle	July 18 - August 11	25 d	2000./mo	1,990.
R. Mirko	July 18 - August 11	25 d	1500./mo	1,495.
T. Simard	July 18 - August 11	25 d	1400./mo	1,395.
K. McInnis	July 18 - August 11	25 d	1500./mo	1,495.
M.H. Sanguinetti	May 1 - August 18	10 d	350./day	3,500.
			TOTAL.....	$15,305.

NOTE: This total refers to field time only and contains no report preparation time; nor does it contain 15% benefits (U.I.C., C.P.P., etc.)

APPENDIX "C"

CERTIFICATES

CORDILLERAN ENGINEERING

1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

WRITER'S CERTIFICATE

I, Michael H. Sanguinetti of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 2208 West 35th Avenue, and employed by Cordilleran Engineering of 1418-355 Burrard Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia, B.Sc., in 1965, and have practiced my profession since that time.

3. I am a member of the Association of Professional Engineers of the Province of British Columbia.

4. I am a co-author of this report which is based on the results of a field program conducted on the Blue #1 to #4 claim group by Cordilleran Engineering during May - August, 1982.

CORDILLERAN ENGINEERING

Michael H. Sanguinetti, B.Sc.,P.Eng.,
Geologist

MHS/jb
September 30th, 1982
Vancouver, B.C.

CORDILLERAN ENGINEERING

1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

WRITER'S CERTIFICATE

I, Bruce A. Youngman of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 8364 Fremlin Street and employed by Cordilleran Engineering of 1418-355 Burrard Street, Vancouver, B.C., V6C 2G8

2. I am a graduate of the University of British Columbia, B.Sc., in 1981 and have practiced my profession since that time.

3. I am a co-author of this report which is based on work conducted on the Blue mineral claims during the period July 18th to August 18th, 1982. This work included geological mapping and geochemical sampling, undertaken on behalf of Regional Resources Ltd.

CORDILLERAN ENGINEERING

Bruce A. Youngman

Bruce A. Youngman, B.Sc.,

Geologist

BAY/jb
September 30th, 1982
Vancouver, B.C.

APPENDIX "D"

REFERENCES

REFERENCES

DIAKOW, L.J., and PANTELEYEV, A.:

1981: Cassiar Gold Deposits, McDame Map-Area (104P/4,5), B.C. Ministry of Energy, Mines & Pet.Res., Geological Fieldwork, 1980, Paper 1981-1, pp.55-62.

GABRIELSE, H.:

1963: McDame Map-Area, Cassiar District, British Columbia, G.S.C. Mem.319.

1969: Geology of the Jennings River Map-Area, British Columbia (104-0), G.S.C. Paper 68-55.

1978: Geology of Cry Lake (104-I) Map-Area, G.S.C. Open File 610, Geological Map, 1:125,000.

GORDEY, S.P., GABRIELSE, H., and ORCHARD, M.J.:

1982: Stratigraphy and Structure of Sylvester Allochthon, Southwest McDame Map-Area, northern British Columbia; in Current Research, Part B, G.S.C. Paper 82-1B, pp.101-106.

PANTELEYEV, A.:

1979: Cassiar Map-Area (104-P), B.C. Ministry of Energy, Mines & Pet.Res., Geological Fieldwork, 1978, Paper 1979-1, pp.51-60.

1980: Cassiar Map-Area (104-P), B.C. Ministry of Energy Mines & Pet.Res., Geological Fieldwork, 1979, Paper 1980-1, pp.80-88.

SINCLAIR, A.J.:

1976: Applications of Probability Graphs in Mineral Exploration, Assoc. of Expl. Geochem., Special Vol.4.

.....cont'd

REFERENCES

VERLEY, C.G., and SANGUINETTI, M.H.:

1981: Preliminary Geological & Geochemical Report on the Blue 1 to 4 Claim Group, Regional Resources Ltd., Assessment Report.

APPENDIX "E"

Assay Certificates

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

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 122-2868

FROM: CORDILLERAN ENGINEERING LTD. SUBMITTED BY: M-SANGUINETTI
DATE: 14-SEP-82 PROJECT: BLUE

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
Cu	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100	ROCKS	CRUSH,PULVERIZE -100
Pb	2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		RETENTION OF REJECTS
Zn	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		
As	.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		
Au	5 PPB	AQUA REGIA	Fire Assay AA	-100		
Ba	20 PPM		X-RAY Fluorescence	-100		

REPORT COPIES TO: CORDILLERAN ENGINEERING
MR. M. SANGUINETTI

INVOICE TO: CORDILLERAN ENGINEERING

REMARKS: SHIPMENT # B-5, B-7

6. RESULTS FOR SEMI QUANT ASSAY Ba IN % BELOW:

R 5600N,3600E	3.10
R 9000N,3450E	2.40
R 9000N,3500E	4.90
R BBY002	7.10
R BBY003	4.00
R BBY004	6.90

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

BONDAR-CLEGG

Geochemi[cal] Lab Rep[ort]

REPORT: 122-3427

FROM: CORDILLERAN ENGINEERING LTD.   SUBMITTED BY: M-SANGUINETTI
DATE: 29-SEP-82   PROJECT: BLUE

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATION[S]
Cu	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100	ROCKS	AS RECEIVED, NO SP
As	.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		
[illegible]	[illegible] PPB	[illegible]	Fire Assay AA	-100		
Ba	20 PPM		X-RAY Fluorescence	-100		

REPORT COPIES TO: CORDILLERAN ENGINEERING   INVOICE TO: CORDILLERAN ENGINEERING
MR. M. SANGUINETTI

REMARKS: SHIPMENT # B-9
[illegible]

	Ba%		Ba%		Ba%		Ba%
77214	13.0	77215	11.0	77216	9.5	77217	6.1
77218	4.1	77219	3.6	77220	3.0	77221	3.8
77223	4.8	77224	6.2	77228	4.8	77229	4.4
77230	4.6	77231	4.1	77233	4.6	77234	7.7
77235	4.5	77236	4.[illegible]	77237	3.4	77238	5.9

THESE RESULTS ARE Ba SEMI-QUANT ASSAYS

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

BONDAR-CLEGG

Geochem
Lab Rep

REPORT: 122-3500

FROM: CORDILLERAN ENGINEERING LTD.
DATE: 05-OCT-82 PROJECT: BLUE

SUBMITTED BY: M. SANGUINETTI

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIO
As	.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100	OTHER	CRUSH,PULVERIZE -
Cu	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		RETENTION OF REJE
Pb	2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		DRY, SEIVE -80
Zn	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		RETENTION OF REJE
Au	5 PPB	AQUA REGIA	Fire Assay AA	-100		
Ba	20 PPM		X-RAY Fluorescence	-100		

REPORT COPIES TO: CORDILLERAN ENGINEERING
MR. M. SANGUINETTI

INVOICE TO: CORDILLERAN ENGINEERING

REMARKS: S.S. 0044
SHIP. #B-10

RESULTS FOR SEMI-QUANT ASSAY Ba/PCT BELOW:

SAMPLE #	Ba/PCT
R BBY-015R	6.0
R BBY-017R	20.0
R BBY-018R	3.3

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

BONDAR-CLEGG

Certifica
of Analy

REPORT: 422-2774 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Cu PCT	Pb PCT	Zn PCT	Ba PCT	NOTES
R 2072		0.08	<0.01	<0.01	0.40	0.01	
R 7054		0.06	<0.01	<0.01	0.01	1.13	
R 7055		0.04	<0.01	0.02	0.01	5.37	
R 7056		0.02	<0.01	<0.01	<0.01	1.21	
R 7057		0.02	<0.01	0.01	0.01	4.15	
R 7058		0.04	<0.01	0.02	0.01	1.66	
R 7059		0.02	<0.01	0.02	0.04	6.85	
R 7060		0.02	<0.01	0.12	0.15	6.42	
R 7061		0.02	<0.01	0.04	0.06	6.61	
R 7062		0.02	<0.01	0.06	0.06	8.69	
R 7063		0.02	0.01	<0.01	0.01	1.42	
R 7064		0.02	0.01	0.05	0.06	6.48	
R 7065		0.02	0.01	0.01	<0.01	1.48	
R 7066		<0.02	<0.01	0.03	0.06	6.82	
R 7067		0.02	<0.01	0.03	0.07	4.18	
R 7068		0.02	<0.01	0.06	0.04	2.50	

Registered Assayers Province of British Col

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

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Certific
of Anal

REPORT: 422-3427 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	As OPT	Cu PCT	Pb PCT	Zn PCT	Ba PCT	NOTES
R 77214			<0.02		0.04	0.06		
R 77215			0.04		0.03	<0.01		
R 77216			0.02		0.03	0.11		
R 77217			0.02		0.04	0.40		
R 77218			<0.02		0.02	0.08		
R 77219			<0.02		0.01	0.11		
R 77220			0.02		0.02	0.04		
R 77221			0.02		0.04	4.20		
R 77222		<0.002	0.06	<0.01	<0.01	2.04	0.05	
R 77223			0.05		0.43	0.25		
R 77224			0.33		3.60	0.78		
R 77225			0.06	0.02	0.09	0.20	2.88	
R 77226					0.07	<0.01		
R 77227					0.02	<0.01		
R 77228					0.01	<0.01		
R 77229					0.28	<0.01		
R 77230					0.13	<0.01		
R 77231					0.02	<0.01		
R 77233					0.14	0.04		
R 77234					0.80	0.75		
R 77235					23.70	0.24		
R 77236					0.97	<0.02		
R 77237					0.28	0.12		
R 77238					0.12	0.04		

Registered Assayer, Province of British Co

APPENDIX "F"

Analysis Certificates

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

BONDAR-CLEGG

Geochemic
Lab Repo

REPORT: 122-2876 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES
P 1800N-3300E		19	93	0.2	
P 1800N-3350E		16	83	0.2	
P 1800N-3400E		26	220	0.5	
P 1800N-3450E		31	138	0.2	
P 1800N-3500E		57	231	0.2	
P 1800N-3550E		23	123	0.2	
P 1800N-3600E		21	266	0.3	
P 1800N-3650E		28	299	0.3	
P 1800N-3700E		15	83	0.2	
P 1800N-3750E		20	112	0.2	
P 1800N-3800E		19	242	0.6	
P 1800N-3850E		20	347	0.6	
P 1800N-3900E		19	157	0.3	
P 1800N-3950E		17	91	0.2	
P 1800N-4000E		18	78	0.2	
P 1800N-4050E		15	67	0.3	
P 1800N-4100E		17	123	0.2	
P 2600N-3150E		20	193	0.2	
P 2600N-3200E		23	1000	0.3	
P 2600N-3250E		15	111	0.2	
P 2600N-3300E		12	2140	0.5	
P 2600N-3350E		17	6220	0.3	
P 2600N-3400E		14	273	0.2	
P 2600E-3450E		8	7640	0.6	
P 2600N-3500E		19	3950	0.2	
P 2600N-3550E		37	1470	0.2	
P 2600N-3600E		13	217	0.2	
P 2600N-3650E		17	141	0.3	
P 2600N-3700E		16	3840	0.3	
P 2600N-3750E		20	1725	0.2	
P 2600N-3800E		16	211	0.2	
P 2600N-3850E		15	830	0.4	
P 2600N-3900E		22	221	0.2	
P 2600N-3950E		29	2170	0.2	
P 2600N-4000E		18	286	0.2	
P 2600N-4050E		22	151	0.2	
P 2600N-4100E		25	137	0.2	
P 2800N-3050E		20	189	0.4	
P 2800N-3100E		10	289	0.2	
P 2800N-3150E		13	1535	0.2	

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NO
P 2800N-3200E		19	96	0.2	
P 2800N-3350E		15	6540	0.2	
P 2800N-3550E		16	5580	0.2	
P 2800N-3600E		15	188	0.2	
P 2800N-3650E		12	1540	0.3	
P 2800N-3700E		19	370	0.2	
P 2800N-3750E		14	96	0.2	
P 2800N-3800E		14	78	0.2	
P 2800N-3850E		14	116	0.2	
P 2800N-3900E		28	208	0.2	
P 2800N-3950E		19	373	0.2	
P 2800N-4000E		18	127	0.2	
P 2800N-4050E		22	190	0.2	
P 2800N-4100E		13	205	0.2	
P 3000N-2950E		21	179	0.4	
P 3000N-3000E		15	61	0.2	
P 3000N-3050E		15	665	0.4	
P 3000N-3100E		6	206	0.2	
P 3000N-3150E		19	84	0.2	
P 3000N-3200E		23	108	0.2	
P 3000N-3250E		19	289	0.2	
P 3000N-3300E		24	5240	0.4	
P 3000N-3350E		20	2920	0.2	
P 3000N-3400E		18	4180	0.2	
P 3000N-3450E		82	267	2.4	
P 3000N-3500E		20	2400	0.9	
P 3000N-3550E		10	3250	0.4	
P 3000N-3600E		<2	7760	0.5	
P 3000N-3700E		24	1515	1.2	
P 3000N-3750E		21	253	0.2	
P 3000N-3800E		17	226	0.2	
P 3000N-3850E		16	151	0.2	
P 3000N-3900E		16	231	0.3	
P 3000N-3950E		14	218	0.2	
P 3000N-4000E		16	251	0.2	
P 3000N-4050E		17	324	0.4	
P 3000N-4100E		13	289	0.2	
P 3200N-2900E		12	900	0.4	
P 3200N-2950E		21	95	0.2	
P 3200N-3000E		16	99	0.2	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES
P 3200N-3050E		22	595	0.2	
P 3200N-3100E		26	865	0.4	
P 3200N-3150E		23	276	0.2	
P 3200N-3200E		37	168	0.2	
P 3200N-3250E		85	445	0.2	
P 3200N-3300E		36	214	0.4	
P 3200N-3350E		33	3660	1.7	
P 3200N-3400E		32	1350	1.6	
P 3200N-3450E		29	5410	1.4	
P 3200N-3500E		37	1475	1.1	
P 3200N-3550E		36	1240	1.5	
P 3200N-3600E		37	610	1.6	
P 3200N-3650E		73	215	1.5	
P 3200N-3700E		24	460	1.1	
P 3400N-2900E		36	372	0.2	
P 3400N-2950E		19	221	0.4	
P 3400N-3000E		15	372	0.2	
P 3400N-3050E		20	325	0.3	
P 3400N-3100E		35	85	0.2	
P 3400N-3150E		24	108	0.2	
P 3400N-3200E		26	165	0.3	
P 3400N-3250E		31	334	0.5	
P 3400N-3300E		25	1825	3.0	
P 3400N-3350E		27	890	4.2	
P 3400N-3400E		31	1200	2.2	
P 3400N-3450E		28	700	1.3	
P 3400N-3500E		255	176	1.8	
P 3400N-3550E		56	205	1.9	
P 3400N-3600E		45	269	1.6	
P 3400N-3650E		46	270	1.0	
P 3400N-3700E		42	217	1.8	
P 3600N-2900E		85	1180	2.5	
P 3600N-3000E		23	378	0.8	
P 3600N-3050E		36	374	0.3	
P 3600N-3100E		22	540	0.5	
P 3600N-3150E		26	475	0.9	
P 3600N-3200E		22	266	1.0	
P 3600N-3250E		26	450	2.0	
P 3600N-3300E		32	480	2.0	
P 3600N-3350E		28	1020	7.6	
P 3600N-3400E		88	194	2.1	
P 3600N-3500E		57	189	2.0	
P 3600N-3550E		42	235	3.0	
P 3600N-3600E		48	490	1.0	
P 3600N-3650E		96	415	1.0	
P 3600N-3700E		74	170	1.4	
P BL3700E-1850N		14	102	0.3	
P BL3700E-1900N		22	178	0.6	
P BL3700E-1950N		20	153	0.2	
P BL3700E-2050N		19	148	0.3	
P BL3700E-2100N		15	237	0.3	
P BL3700E-2150N		21	158	0.2	
P BL3700E-2250N		13	223	0.2	
P BL3700E-2300N		14	770	0.2	
P BL3700E-2350N		10	339	0.6	
P BL3700E-2450N		20	150	0.4	
P BL3700E-2500N		14	101	0.4	
P BL3700E-2550N		15	1230	0.2	
P BL3700E-2650N		11	5190	0.2	
P BL3700E-2750N		15	1345	0.2	
P BL3700E-2850N		14	830	0.2	
P BL3700E-2900N		15	234	0.2	
P BL3700E-2950N		18	285	0.2	
P 3800N-3200E		19	329	1.1	
P 3800N-3250E		11	7580	6.4	
P 3800N-3300E		35	139	3.3	
P 3800N-3350E		103	99	1.2	
P 3800N-3400E		530	61	2.8	
P 3800N-3500E		26	211	3.4	
P 3800N-3550E		52	219	0.3	
P 3800N-3600E		33	166	0.5	
P 3800N-3650E		53	159	0.8	
P 3800N-3700E		39	138	0.4	
P 4000N-2900E		38	450	1.9	
P 4000N-2950E		39	570	1.8	
P 4000N-3000E		45	405	2.1	
P 4000N-3050E		26	480	1.0	
P 4000N-3150E		27	435	2.0	
P 4000N-3200E		36	1410	5.6	
P 4000N-3250E		37	378	4.8	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES
P 4000N-3300E		33	161	2.5	
P 4000N-3400E		420	141	5.7	
P 4000N-3450E		29	381	1.0	
P 4000N-3500E		57	222	1.0	
P 4000N-3550E		47	209	0.8	
P 4000N-3600E		80	109	0.3	
P 4000N-3650E		13	71	0.2	
P 4000N-3700E		9	103	0.2	
P 4200N-3200E		46	290	0.6	
P 4200N-3250E		38	320	1.1	
P 4200N-3300E		23	300	0.7	
P 4200N-3350E		30	115	1.9	
P 4200N-3400E		66	87	3.4	
P 4200N-3450E		28	134	0.4	
P 4200N-3500E		26	139	0.4	
P 4200N-3550E		12	93	0.3	
P 4200N-3600E		14	91	0.2	
P 4200N-3650E		14	140	0.3	
P 4200N-3700E		11	88	0.2	
P 4400N-2900E		23	78	0.2	
P 4400N-2950E		37	359	0.4	
P 4400N-3000E		33	270	0.6	
P 4400N-3050E		30	425	0.2	
P 4400N-3100E		34	251	0.3	
P 4400N-3150E		30	167	0.5	
P 4400N-3200E		41	2830	1.9	
P 4400N-3250E		18	1130	1.2	
P 4400N-3300E		54	695	3.8	
P 4400N-3350E		27	88	3.2	
P 4400N-3400E		327	20	3.0	
P 4400N-3450E		38	192	0.9	
P 4400N-3500E		30	180	0.9	
P 4400N-3550E		35	141	0.4	
P 4400N-3600E		10	81	0.2	
P 4400N-3650E		27	120	0.2	
P 4400N-3700E		11	105	0.2	
P 4600N-2900E		29	166	0.5	
P 4600N-2950E		31	400	0.3	
P 4600N-3000E		32	359	1.0	
P 4600N-3050E		27	111	0.3	
P 4600N-3100E		44	169	0.8	
P 4600N-3150E		27	565	0.4	
P 4600N-3200E		28	290	1.4	
P 4600N-3250E		29	235	0.4	
P 4600N-3300E		32	550	1.7	
P 4600N-3400E		21	74	2.1	
P 4600N-3450E		29	133	0.4	
P 4600N-3500E		16	124	0.2	
P 4600N-3550E		13	100	0.2	
P 4600N-3600E		11	109	0.2	
P 4600N-3650E		29	125	0.4	
P 4600N-3700E		8	162	0.2	
P 4800N-2900E		84	259	0.4	
P 4800N-2950E		22	67	0.2	
P 4800N-3000E		28	175	0.2	
P 4800N-3050E		35	160	0.4	
P 4800N-3100E		31	282	0.2	
P 4800N-3150E		33	225	0.3	
P 4800N-3200E		41	450	0.4	
P 4800N-3250E		31	163	0.6	
P 4800N-3300E		27	204	0.8	
P 4800N-3350E		25	52	2.2	
P 4800N-3450E		24	114	5.0	
P 4800N-3500E		51	116	1.2	
P 4800N-3550E		100	59	2.0	
P 4800N-3600E		23	166	0.2	
P 4800N-3650E		27	102	0.2	
P 4800N-3700E		17	86	0.2	
P 5000N-2900E		19	58	0.5	
P 5000N-2950E		43	299	0.4	
P 5000N-3000E		40	127	0.2	
P 5000N-3050E		32	358	0.2	
P 5000N-3100E		38	253	0.2	
P 5000N-3150E		36	268	0.3	
P 5000N-3200E		47	138	1.0	
P 5000N-3300E		77	71	1.4	
P 5000N-3350E		209	90	1.7	
P 5000N-3450E		337	80	1.9	
P 5000N-3500E		352	85	1.9	
P 5000N-3550E		30	108	0.9	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES
P 5000N-3650E		31	148	1.7	
P 5200N-2900E		134	590	0.8	
P 5200N-2950E		29	179	0.2	
P 5200N-3000E		28	154	0.2	
P 5200N-3050E		30	199	0.2	
P 5200N-3100E		50	316	0.3	
P 5200N-3150E		45	1055	0.3	
P 5200N-3200E		265	2080	0.8	
P 5200N-3250E		39	175	0.5	
P 5200N-3300E		45	158	0.3	
P 5200N-3350E		73	97	1.4	
P 5200N-3400E		78	154	1.4	
P 5200N-3450E		60	62	1.2	
P 5200N-3500E		120	68	3.8	
P 5200N-3550E		485	88	3.2	
P 5200N-3600E		22	115	0.2	
P 5200N-3650E		35	209	3.7	
P 5200N-3700E		19	124	0.4	
P 8800N-2800E		30	2430	1.0	
P 8800N-2850E		32	730	0.8	
P 8800N-2900E		27	495	0.4	
P 8800N-2950E		46	1080	0.2	
P 8800N-3000E		46	925	0.5	
P 8800N-3050E		85	860	0.4	
P 8800N-3100E		137	1030	4.2	
P 8800N-3150E		196	1480	0.8	
P 8800N-3200E		68	348	2.0	
P 8800N-3250E		52	253	2.1	
P 8800N-3300E		29	361	0.4	
P 8800N-3350E		25	490	0.6	
P 8800N-3400E		89	560	0.9	
P 8800N-3450E		27	560	0.3	
P 8800N-3500E		28	253	0.5	
P 8800N-3550E		21	182	0.7	
P 8800N-3600E		27	890	3.1	
P 8800N-3650E		20	81	1.2	
P BR 01 SS		15	1060	0.2	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	NOTES
2000N PREFIX					
P 3300E		16	56	0.2	
P 3350E		14	33	0.2	
P 3400E		18	116	0.2	
P 3450E		19	110	0.2	
P 3500E		16	143	0.2	
P 3550E		17	223	0.3	
P 3600E		12	143	0.2	
P 3650E		17	80	0.2	
P 3700E		10	55	0.2	
P 3750E		18	117	0.2	
P 3800E		12	90	0.2	
P 3850E		16	101	0.2	
P 3900E		13	151	0.2	
P 3950E		13	66	0.2	
P 4000E		17	78	0.2	
P 4050E		16	201	0.2	
P 4100E		15	151	0.2	
2200N PREFIX					
P 3300E		11	122	0.2	
P 3350E		13	116	0.2	
P 3400E		47	221	0.2	
P 3450E		19	275	0.2	
P 3500E		11	358	0.2	
P 3550E		16	141	0.4	
P 3600E		22	135	0.2	
P 3650E		21	115	0.2	
P 3700E		14	114	0.2	
P 3750E		18	110	0.2	
P 3800E		16	114	0.2	
P 3850E		12	82	0.2	
P 3900E		22	136	0.2	
P 3950E		12	112	0.2	
P 4000E		16	95	0.2	
P 4050E		15	137	0.3	
P 4100E		16	90	0.2	
2400N PREFIX					
P 3300E		16	256	0.2	
P 3350E		19	2340	0.2	
P 3400E		15	1095	0.2	

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	NO
P 3450E		12	6210	0.4	
P 3600E		16	470	0.2	
P 3650E		12	392	0.2	
P 3700E		19	680	0.2	
P 3750E		16	358	0.2	
P 3800E		13	840	0.2	
P 3850E		13	420	0.2	
P 3900E		12	675	0.2	
P 3950E		16	2470	0.3	
P 4000E		21	685	0.4	
5400N PREFIX					
P 3000E		89	201	0.2	
P 3050E		27	228	0.2	
P 3100E		74	242	0.2	
P 3150E		22	249	0.2	
P 3200E		26	162	0.2	
P 3250E		27	152	0.2	
P 3300E		30	184	0.2	
P 3350E		31	138	0.2	
P 3400E		84	44	1.1	
P 3450E		105	126	0.6	
P 3500E		300	92	1.5	
P 3550E		440	129	1.1	
P 3600E		95	89	0.8	
P 3650E		45	122	0.8	
P 3700E		43	117	0.2	
6600N PREFIX					
P 3750E		108	138	0.2	
P 3800E		6	124	0.2	
P 3850E		8	134	0.2	
P 3900E		8	126	0.2	
P 3950E		16	141	0.2	
P 4000E		15	117	0.2	
P 4050E		40	116	0.2	
P 4100E		14	124	0.2	
P 4150E		16	103	0.8	
P 4200E		15	109	0.2	
P 4250E		9	66	0.2	
P 4300E		13	92	0.2	
7800N PREFIX					

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES
P 3600E		22	465	2.6	
P 3650E		44	450	4.2	
P 3700E		23	565	4.9	
P 3850E		23	280	0.2	
P 4050E		29	117	0.2	
8000N PREFIX					
P 3100E		87	1250	0.4	
P 3150E		60	820	0.2	
P 3200E		49	1290	0.4	
P 3250E		21	590	1.7	
P 3300E		19	305	1.6	
P 3350E		21	435	2.2	
P 3400E		14	555	1.4	
P 3450E		23	182	2.2	
P 3500E		15	160	1.2	
P 3550E		70	147	4.9	
P 3600E		26	158	1.2	
P 3650E		45	59	19.0	
8200N PREFIX					
P 3000E		44	620	0.2	
P 3050E		28	595	0.2	
P 3100E		19	296	0.2	
P 3150E		47	815	0.2	
P 3200E		45	550	0.2	
P 3250E		24	303	0.2	
P 3300E		28	364	0.2	
P 3350E		28	208	0.8	
P 3400E		24	250	0.3	
P 3450E		20	208	0.4	
P 3500E		20	1070	0.4	
P 3550E		25	200	0.6	
P 3600E		34	640	2.2	
P 3650E		13	97	0.2	
P 3700E		39	107	0.3	
8400N PREFIX					
P 2800E		16	143	0.2	
P 2850E		18	201	0.2	
P 2900E		37	510	0.2	
P 2950E		20	275	0.2	
P 3000E		28	273	0.2	

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	N
P 3050E		37	570	0.2	
P 3100E		32	490	0.2	
P 3150E		48	830	0.2	
P 3200E		96	7280	0.4	
P 3250E		74	2240	0.4	
P 3300E		39	820	0.2	
P 3350E		25	189	0.5	
P 3400E		21	178	0.6	
P 3450E		23	248	1.6	
P 3500E		24	175	1.1	
P 3550E		26	310	1.8	
P 3600E		82	151	0.7	
P 3650E		16	145	0.2	
P 3750E		24	131	0.2	
P 3800E		14	109	0.2	
P 3850E		13	97	0.2	
8600N PREFIX					
P 2800E		37	755	0.7	
P 2850E		19	445	0.2	
P 2900E		28	1300	0.2	
P 2950E		22	334	0.2	
P 3000E		10	54	0.2	
P 3050E		21	252	0.2	
P 3100E		13	123	0.2	
P 3150E		49	765	0.3	
P 3200E		50	770	0.5	
P 3250E		19	270	0.2	
P 3300E		27	314	0.2	
P 3350E		19	180	0.2	
P 3400E		17	225	0.6	
P 3450E		33	225	1.3	
P 3500E		28	268	2.6	
P 3550E		47	930	6.0	
P 3600E		59	520	5.4	
P 3650E		10	144	0.2	
P 3750E		24	310	0.2	
P 3800E		10	98	0.2	
P 3850E		13	96	0.2	
9200N PREFIX					
P 2800E		45	550	1.0	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES
P 2850E		56	760	1.0	
P 2900E		83	500	1.4	
P 2950E		59	2590	1.7	
P 3000E		55	2380	1.9	
P 3050E		40	850	1.3	
P 3100E		41	500	3.1	
P 3150E		41	640	2.1	
P 3200E		91	4310	7.5	
P 3300E		40	940	4.1	
P 3350E		139	228	1.4	
P 3400E		293	236	0.6	
P 3450E		287	250	0.5	
P 3500E		19	90	0.6	
P 3550E		36	116	3.3	
P 3600E		9	62	0.2	
P 3650E		12	84	0.2	
P 3700E		11	60	0.2	
P 3750E		10	56	0.2	
P 3800E		28	64	0.2	
P 3850E		5	24	0.2	
9400N PREFIX					
P 2800E		32	500	0.4	
P 2850E		60	460	0.4	
P 2900E		64	740	0.4	
P 2950E		50	1550	0.3	
P 3000E		130	1480	0.8	
P 3050E		44	850	0.9	
P 3100E		88	825	3.0	
P 3150E		56	180	1.2	
P 3200E		240	163	1.6	
P 3250E		160	128	1.1	
P 3300E		247	160	1.2	
P 3350E		129	116	1.2	
P 3450E		35	184	0.2	
P 3500E		13	100	0.2	
P 3550E		4	82	0.2	
P 3600E		21	92	0.8	
P 3650E		14	60	0.2	
P 3700E		6	48	0.2	
9600N PREFIX					

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NO
P 2300E		23	235	0.2	
P 2350E		25	190	0.2	
P 2400E		89	1300	0.3	
P 2450E		92	1450	0.3	
P 2500E		98	1100	0.2	
P 2550E		39	266	0.3	
P 2600E		36	208	0.4	
P 2650E		45	400	0.3	
P 2700E		33	1050	0.3	
P 2750E		40	700	0.4	
P 2800E		33	580	0.3	
P 2850E		40	280	0.8	
P 2900E		92	520	0.8	
P 3000E		98	1250	0.5	
P 3050E		405	198	3.6	
P 3100E		16	164	0.2	
P 3150E		24	148	0.2	
P 3200E		43	290	0.4	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM
3700E-PREFIX						P 7900N		22	208	9.0
P 5650N		11	87	0.2		P 7950N		29	163	3.8
P 5700N		13	91	0.2		P 8000N		53	120	1.7
P 5750N		17	112	0.2		P 8050N		16	124	2.1
P 5850N		19	192	0.2		P 8100N		13	133	0.2
P 5900N		13	153	0.2		P 8150N		11	100	0.2
P 5950N		20	190	0.2		P 8200N		68	108	1.0
P 6050N		25	229	0.2		P 8250N		28	695	3.4
P 6100N		24	183	0.3		P 8300N		11	98	0.2
P 6150N		570	182	1.5		P 8350N		9	135	0.2
P 6200N		181	164	1.1		P 8400N		60	203	1.4
P 6250N		103	178	1.0		P 8450N		11	128	0.4
P 6300N		42	182	0.2		P 8500N		22	147	0.3
P 6350N		61	128	0.7		P 8550N		8	116	0.2
P 6400N		135	170	1.6		P 8600N		8	146	0.2
P 6450N		24	90	1.4		6200N-PREFIX				
P 6500N		41	122	0.4		P 3100E		16	129	0.7
P 6550N		29	175	0.2		P 3150E		21	145	0.6
P 6650N		49	146	0.6		P 3200E		27	236	0.2
P 6700N		143	274	0.5		P 3250E		22	180	0.2
P 6750N		158	222	0.5		P 3300E		19	162	0.4
P 6850N		24	212	0.2		P 3350E		23	455	0.4
P 6900N		55	158	0.4		P 3400E		20	365	0.2
P 6950N		31	161	0.6		P 3450E		28	162	0.9
P 7000N		46	195	0.2		P 3500E		24	202	1.1
P 7050N		20	415	0.4		P 6550E		70	239	0.6
P 7100N		20	745	0.4		P 6600E		68	107	0.4
P 7150N		28	700	1.1		P 6650E		142	205	0.7
P 7200N		17	265	0.3		P 3750E		107	210	0.5
P 7250N		26	225	0.4		P 3800E		48	210	0.2
P 7300N		31	217	0.8		P 3850E		7	108	0.2
P 7350N		18	337	0.6		P 3900E		24	147	0.2
P 7400N		12	130	0.2		P 3950E		47	139	0.3
P 7450N		16	171	0.5		P 4000E		5	84	0.2
P 7500N		72	278	1.7		6400N-PREFIX				
P 7550N		10	232	1.2		P 3000E		48	400	0.2
P 7650N		25	625	2.2		P 3050E		50	238	0.2
P 7700N		15	359	1.5		P 3100E		47	192	0.2
P 7750N		15	242	3.9		P 3150E		64	323	0.2
P 7850N		37	124	6.2		P 3200E		48	470	0.4

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM
P 3250E		69	735	0.6		P 3400E		23	80	0.2
P 3300E		40	835	0.6		P 3450E		17	73	0.2
P 3350E		68	227	0.2		P 3500E		23	133	0.2
P 3400E		69	210	0.7		P 3550E		30	375	0.2
P 3450E		78	177	0.4		P 3600E		15	279	0.2
P 3500E		70	168	0.3		P 3650E		23	289	0.5
P 3550E		213	92	0.6		P 3750E		69	330	0.7
P 3600E		85	152	1.0		P 3800E		44	475	0.6
P 3650E		182	133	0.4		P 3850E		31	146	0.2
P 3750E		200	126	0.4		P 3900E		19	131	0.2
P 3800E		42	109	0.5		P 3950E		20	154	0.2
P 3850E		33	123	0.2		P 4000E		14	150	0.2
P 3900E		13	159	0.2		P 4050E		9	125	0.2
P 3950E		12	114	0.2		P 4100E		4	120	0.2
P 4000E		21	123	0.4		P 4150E		13	181	0.4
P 4050E		16	133	0.8		P 4200E		19	198	0.5
P 4100E		20	154	0.7		P 4250E		15	125	0.4
P 4150E		24	135	0.2		P 4300E		15	134	0.2
P 4200E		16	94	0.2		P 4350E		8	95	0.2
6600N-PREFIX						P 4400E		30	160	0.8
P 3000E		26	111	0.2		7200N-PREFIX				
P 3050E		30	95	0.2		P 3100E		40	271	0.2
P 3100E		23	227	0.4		P 3150E		14	90	0.2
P 3150E		26	218	0.3		P 3200E		14	71	0.2
P 3200E		30	213	0.3		P 3250E		24	71	0.2
P 3250E		23	243	0.2		P 3300E		16	49	0.2
P 3300E		24	173	0.2		P 3350E		27	109	0.2
P 3350E		31	239	0.3		P 3400E		14	46	0.2
P 3400E		27	244	0.2		P 3450E		16	61	0.2
P 3450E		30	202	0.2		P 3500E		38	246	0.2
P 3500E		28	234	0.2		P 3550E		33	246	0.2
P 3550E		169	247	0.3		P 3600E		30	158	0.2
P 3600E		43	420	0.2		P 3650E		16	198	0.2
P 3650E		142	213	0.7		P 3750E		35	315	0.3
7000N-PREFIX						P 3800E		14	445	0.5
P 3100E		47	65	0.2		P 3850E		40	720	1.6
P 3200E		28	92	0.2		P 3900E		10	158	0.2
P 3250E		44	65	0.2		P 3950E		32	165	0.5
P 3300E		13	43	0.2		P 4000E		19	153	0.2
P 3350E		17	57	0.2		P 4050E		16	160	0.8

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM
P 4100E		26	141	0.7		P 3400E		84	3070	0.5
P 4150E		19	148	0.5		P 3450E		41	1270	0.5
P 4200E		19	129	0.2		P 3500E		35	645	0.6
P 4250E		22	161	0.2		P 3550E		33	650	0.7
P 4300E		13	101	0.2		P 3600E		24	232	1.7
P 4350E		19	141	0.2		P 3650E		29	360	2.6
P 4400E		23	142	0.2		P 3700E		15	258	2.4
7400N-PREFIX						P 3750E		6	155	0.2
P 3100E		13	49	0.2		P 3800E		23	130	0.3
P 3150E		11	37	0.2		P 3850E		6	137	0.2
P 3200E		22	61	0.2		P 3900E		10	133	0.2
P 3250E		26	191	0.2		P 3950E		13	122	0.2
P 3300E		51	306	0.2		P 4000E		12	115	0.2
P 3350E		32	168	0.2		P 4050E		12	98	0.2
P 3400E		51	530	0.2		P 4100E		16	94	0.2
P 3450E		38	670	0.2		P 4150E		13	112	0.2
P 3500E		60	575	0.2		P 4200E		12	114	0.2
P 3550E		49	555	0.6		7800N-PREFIX				
P 3600E		24	162	0.2		P 3150E		33	179	0.2
P 3650E		27	304	1.5		P 3200E		28	645	0.2
P 3750E		176	164	1.6		P 3250E		27	255	0.2
P 3800E		132	68	2.4		P 3300E		11	146	0.2
P 3850E		19	133	0.6		P 3350E		56	2180	0.7
P 3950E		10	110	0.4		P 3400E		40	1610	0.5
P 4000E		23	143	0.4		P 3450E		26	185	0.3
P 4050E		14	129	0.2		P 3500E		25	193	0.8
P 4100E		23	179	0.3		P 3550E		21	430	1.1
P 4150E		14	133	0.2		P 3750E		5	144	0.4
P 4200E		6	90	0.2		P 3900E		11	129	0.2
P 4250E		14	107	0.2		P 3950E		26	111	0.2
P 4300E		9	112	0.2		P 4000E		13	112	0.2
P 4350E		11	134	0.2		P 4100E		107	57	0.2
P 4400E		5	65	0.2		8000N-PREFIX				
7600N-PREFIX						P 3750E		10	145	0.3
P 3100E		12	39	0.2		P 3800E		9	135	0.3
P 3150E		14	43	0.2		P 3850E		11	108	0.2
P 3200E		36	470	0.2		P 3900E		19	130	0.4
P 3250E		79	303	0.2		P 4000E		12	130	0.9
P 3300E		36	311	0.2		P 4050E		16	112	0.6
P 3350E		55	455	0.2		9000N-PREFIX				

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM
P 2800E		65	1185	1.2		P 2400E		11	102	0.2
P 2850E		50	1905	1.1		P 2450E		26	270	0.5
P 2900E		46	1020	0.8		P 2500E		36	870	1.2
P 2950E		33	645	0.4		P 2550E		16	248	0.2
P 3000E		47	935	1.4		P 2600E		38	950	0.5
P 3050E		42	735	1.6		P 2650E		24	735	0.7
P 3100E		24	415	2.1		P 2700E		36	720	0.8
P 3150E		37	595	2.0		P 2750E		33	585	0.4
P 3250E		58	745	3.3		P 2800E		21	610	0.5
P 3300E		68	835	3.8		P 2900E		77	925	1.7
P 3350E		15	83	0.4		P 3000E		52	550	0.2
P 3400E		16	139	0.9		P 3050E		17	114	0.2
P 3550E		495	223	2.2		P 3100E		15	125	0.2
P 3600E		65	485	3.9		P 3150E		20	133	0.2
P 3650E		12	91	0.6		P 3200E		6	93	0.2
P 3750E		4	129	0.2		10200N-PREFIX				
P 3800E		10	146	0.3		P 2300E		39	1035	1.8
9800N-PREFIX						P 2350E		30	485	1.0
P 2300E		15	87	0.2		P 2400E		25	157	0.2
P 2350E		21	190	0.2		P 2450E		17	136	0.2
P 2400E		13	146	0.2		P 2500E		22	217	0.2
P 2450E		18	261	0.4		P 2550E		16	251	0.2
P 2500E		25	347	0.3		P 2600E		49	249	0.4
P 2550E		18	190	0.3		P 2650E		44	256	0.2
P 2600E		30	377	0.6		P 2700E		47	410	0.4
P 2650E		67	197	0.5		P 2750E		48	570	1.4
P 2700E		31	259	0.3		P 2800E		18	219	0.2
P 2750E		107	178	0.9		P 2850E		27	392	0.3
P 2800E		95	510	0.6		P 2900E		71	2340	3.8
P 2850E		80	1290	1.6		P 3000E		20	186	0.4
P 2900E		515	186	1.5		P 3100E		6	95	0.2
P 2950E		394	560	2.6		P 3150E		10	86	0.2
P 3000E		36	200	0.2		P 3200E		3	71	0.2
P 3050E		25	126	0.4		10400N-PREFIX				
P 3100E		26	127	0.4		P 2300E		17	118	0.2
P 3150E		29	113	0.4		P 2350E		21	167	0.2
P 3200E		15	105	0.3		P 2400E		32	258	0.4
10000N-PREFIX						P 2450E		27	153	0.3
P 2300E		19	164	0.2		P 2500E		90	650	0.8
P 2350E		21	146	0.2		P 2550E		33	645	0.3

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P 2600E		18	385	0.5	
P 2650E		22	410	1.2	
P 2700E		21	430	0.2	
P 2750E		22	425	1.0	
P 2800E		31	805	1.5	
P 2850E		25	1135	0.8	
P 2900E		27	545	0.8	
P 2950E		25	292	0.6	
P 3000E		20	386	0.8	
P 3050E		29	148	0.4	
P 3100E		12	95	0.2	
P 3150E		8	70	0.2	
P 3200E		8	81	0.2	
10600N-PREFIX					
P 2300E		13	89	0.2	
P 2350E		14	96	0.2	
P 2400E		14	93	0.2	
P 2450E		14	101	0.2	
P 2500E		12	75	0.2	
P 2550E		11	86	0.2	
P 2650E		15	132	0.2	
P 2700E		12	255	0.2	
P 2750E		26	460	0.5	
P 2800E		19	302	0.2	
P 2850E		23	331	0.3	
P 2900E		19	224	0.2	
P 2950E		25	365	0.2	
P 3000E		15	392	0.2	
P 3050E		7	83	0.2	
P 3100E		11	68	0.2	
P 3150E		12	94	0.2	
P 3200E		23	129	0.2	
P RJ001SS		57	1530	0.4	
P RBY006S		142	9250	0.3	
P RJS304SOIL		730	16860	2.6	
P RBY011S		6	1465	3.5	
P JS303SS		138	83	1.0	
P JS305SS		4	785	0.2	

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SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM
5400N PREFIX						P 3750EB		18	126	0.3
P 3750EB		24	110	0.2		P 3800EB		4	113	0.2
P 3800EB		15	121	0.2		P 3850EB		7	113	0.2
P 3850EB		9	106	0.2		P 3900EB		12	112	0.2
P 3900EB		8	106	0.2		6000N PREFIX				
5600N PREFIX						P 3100EB		31	154	0.3
P 3000EB		20	139	0.2		P 3150EB		24	217	0.2
P 3050EB		26	233	0.4		P 3200EB		28	265	0.4
P 3100EB		39	297	0.4		P 3250EB		32	283	0.2
P 3150EB		25	263	0.2		P 3300EB		33	157	0.4
P 3200EB		25	125	0.2		P 3350EB		39	130	0.4
P 3250EB		23	124	0.4		P 3400EB		55	177	0.3
P 3300EB		28	148	0.2		P 3450EB		68	92	0.6
P 3350EB		26	80	0.4		P 3500EB		28	83	0.3
P 3400EB		28	44	0.5		P 3550EB		91	121	0.5
P 3450EB		53	113	0.4		P 3600EB		89	118	0.4
P 3500EB		30	91	0.4		P 3650EB		27	196	0.4
P 3550EB		83	105	1.0		P 3700EB		36	268	0.4
P 3650EB		10	97	0.2		P 3750EB		23	269	0.4
P 3700EB		6	90	0.2		P 3800EB		12	107	0.2
P 3750EB		7	83	0.2		P 3850EB		3	83	0.2
P 3800EB		8	110	0.2		P 3900EB		7	98	0.5
P 3850EB		9	108	0.2		6800N PREFIX				
P 3900EB		9	112	0.2		P 3000EB		19	745	0.2
5800N PREFIX						P 3050EB		22	250	0.4
P 3000EB		16	137	0.4		P 3100EB		24	94	0.3
P 3050EB		18	191	0.2		P 3150EB		22	73	0.2
P 3100EB		21	297	0.5		P 3200EB		27	112	0.2
P 3150EB		30	255	0.2		P 3250EB		19	189	0.2
P 3200EB		34	185	0.4		P 3300EB		33	107	0.2
P 3250EB		23	134	0.2		P 3350EB		15	264	0.2
P 3300EB		30	207	0.2		P 3400EB		35	270	0.2
P 3350EB		26	167	0.6		P 3450EB		28	131	0.4
P 3400EB		20	115	0.4		P 3500EB		130	306	0.2
P 3450EB		44	101	0.8		P 3550EB		22	145	0.4
P 3500EB		102	138	0.8		P 3600EB		22	181	0.4
P 3550EB		110	107	0.9		P 3650EB		16	156	0.4
P 3600EB		600	135	1.2		P 3750EB		39	209	0.6
P 3650EB		535	117	0.8		P 3800EB		29	206	0.2
P 3700EB		25	117	0.2		P 3850EB		11	165	0.2

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Lab Rep

REPORT: 122-2882 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	As PPM	NOTES
P 3900EB		20	125	0.2	
P 3950EB		4	107	0.2	
P 4000EB		10	132	0.2	
P 4050EB		8	135	0.2	
P 4100EB		23	124	0.4	
P 4150EB		11	101	0.2	
P 4200EB		13	95	0.2	
P 4250EB		9	82	0.2	
P 4300EB		7	110	0.5	
P 4350EB		3	36	0.2	
P 4400EB		3	46	0.2	
8200N PREFIX					
P 3900EB		8	110	1.0	
P 4000EB		5	48	0.2	
8800N PREFIX					
P 3750EB		8	79	0.2	
P 3800EB		10	87	0.2	

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Lab Rep

REPORT: 122-2868 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	As PPM	Au PPB	Ba PPM	NOTES
R 3800N,3450E		42	11	88	0.7	15	11770	
R 4000N,3350E		54	23	100	0.2	<5	14840	
R 4600N,3350E		16	5	9	0.6	10	10340	
R 4800N,3400E		37	11	19	0.8	10	17050	
R 5000N,3250E		16	14	31	0.3	<5	6630	
R 5000N,3400E		26	215	33	0.5	10	11600	
R 5000N,3600E		31	7	68	0.2	20	5530	
R 5600N,3600E		50	285	79	0.4	10 >	20000	6*
R 5800N,3800E		84	3	91	0.2	<5	2970	
R 7000N,3150E		4	11	13	0.2	<5	480	
R 7400N,3900E		58	<2	75	0.2	<5	1540	
R 8000N,3950E		56	5	40	0.2	10	5120	
R 8000N,4100E		65	<2	76	0.2	<5	2970	
R 8200N,3750E		44	86	170	1.6	<5	5280	
R 8200N,3800E		48	<2	193	0.2	<5	1340	
R 8200N,3850E		55	4	145	0.2	10	2190	
R 8200N,3950E		9	<2	22	0.2	<5	50	
R 9000N,3200E		51	23	158	2.0	<5	470	
R 9000N,3450E		14	65	58	0.4	5 >	20000	6*
R 9000N,3500E		41	415	50	0.9	5 >	20000	6*
R 9200N,3250E		71	22	440	1.3	<5	2180	
R 9400N,3400E		67	13	57	1.0	<5	8440	
R 9600N,2950E		41	83	201	0.4	<5	7610	
R 10000N,2850E		33	19	207	1.0	<5	10460	
R 10000N,2950E		24	40	33	0.4	<5	10220	
R 10200N,2950E		55	180	152	0.8	5	18250	
R 10200N,3050E		40	10	88	0.2	<5	1150	
R BBY001		23	17	44	0.2	<5	18720	
R BBY002		126	410	235	1.8	5 >	20000	6*
R BBY003		26	960	190	0.3	<5 >	20000	6*
R BBY004		211	13	111	0.5	<5 >	20000	6*
R BBY005		13	17	11160	0.4	<5	780	
R BBY007		223	405	2880	0.8	20	19630	
R BBY008		65	18	84	11.0	5	2780	
R BBY009		29	8	48	5.2	<5	170	
R BBY010		12	49	845	0.2	<5	250	
R BK001		37	8	52	0.2	<5	9300	
R BK002		10	<2	3100	0.2	<5	440	
R BK003		7	<2	4000	0.2	<5	70	
R BR001		125	8	68	0.9	<5	240	

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REPORT: 122-2774 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	NOTES
P 2072		<5	
P 7054		<5	
P 7055		<5	
P 7056		<5	
P 7057		<5	
P 7058		<5	
P 7059		<5	
P 7060		<5	
P 7061		<5	
P 7062		<5	
P 7063		<5	
P 7064		<5	
P 7065		<5	
P 7066		<5	
P 7067		<5	
P 7068		<5	

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Lab Repo

REPORT: 122-3427 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ag PPM	Au PPB	Ba PPM	NOTES
R 77214		33			> 20000	
R 77215		18			> 20000	
R 77216		23			> 20000	
R 77217		23			> 20000	
R 77218		24			> 20000	
R 77219		22			> 20000	
R 77220		38			> 20000	
R-77221		89			> 20000	
R 77223		50			> 20000	
R 77224		138			> 20000	
R 77226		12	1.0	5	19150	
R-77227		10	0.4	<5	16480	
R 77228		16	0.2	5	> 20000	
R 77229		18	1.2	<5	> 20000	
R 77230		15	0.6	5	> 20000	
R 77231		48	0.3	10	> 20000	
R 77233		30	0.2	20	> 20000	
R 77234		68	0.6	<5	> 20000	
R 77235		460	20.0	5	> 20000	
R 77236		16	3.2	<5	> 20000	
R 77237		220	4.0	5	> 20000	
R 77238		67	0.2	<5	> 20000	

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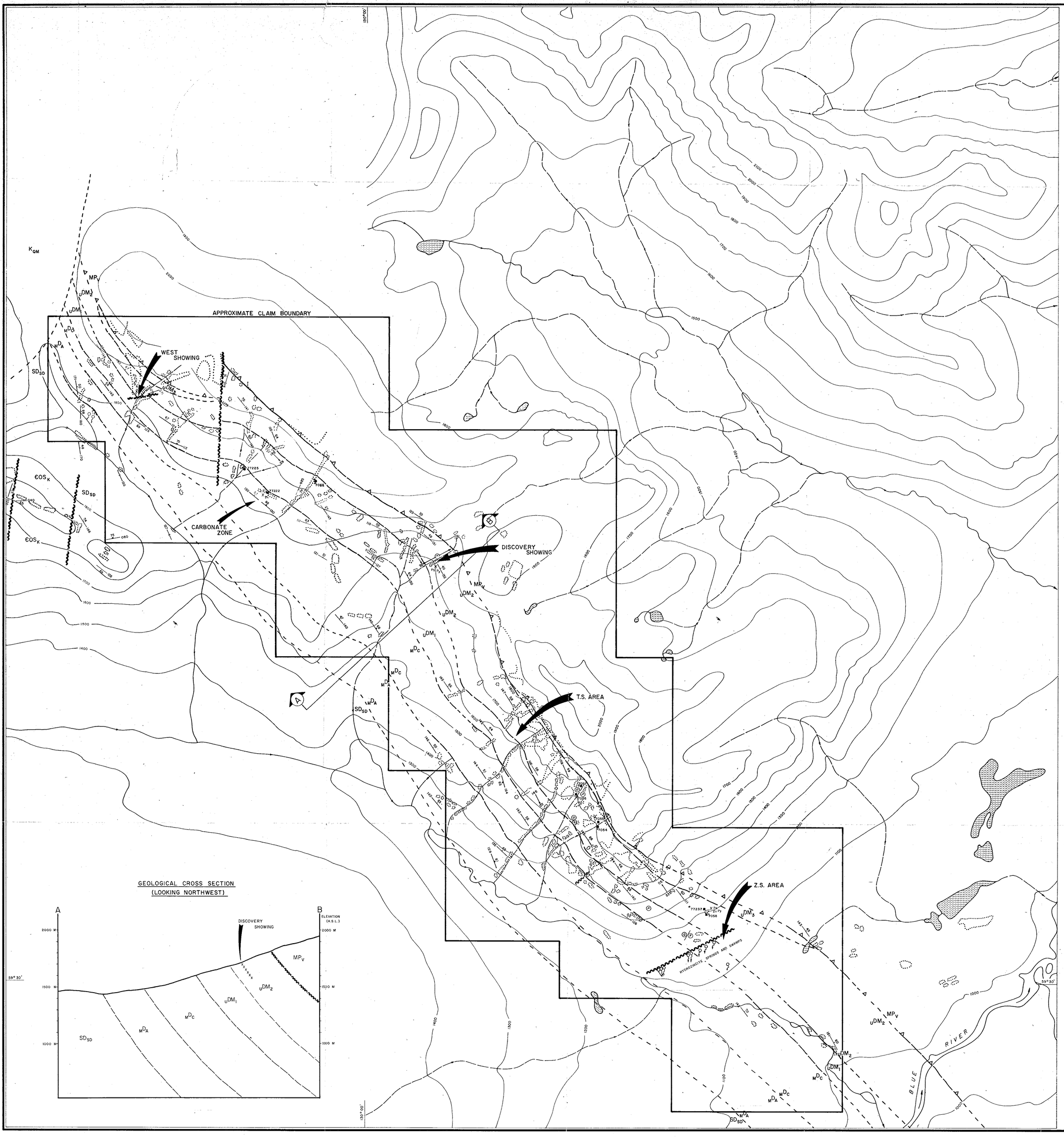
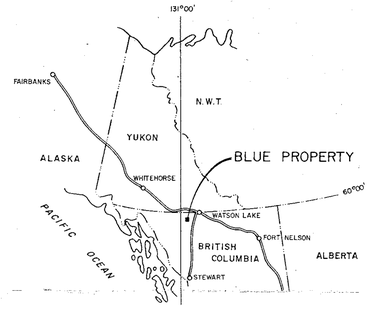
REPORT: 122-3500 PROJECT: BLUE

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Au PPB	Ba PPM	NOTES
BL3700E PREFIX								
S 1600N		0.5		20	216			
S 1650N		0.5		16	164			
S 1700N		0.3		18	565			
S 1750N		0.2		20	630			
1600N PREFIX								
S 3300E		0.3		17	95			
S 3350E		0.3		27	102			
S 3400E		0.2		20	104			
S 3450E		0.5		22	75			
S 3500E		0.2		28	87			
S 3550E		0.2		15	126			
S 3600E		0.2		17	76			
S 3650E		0.3		17	78			
R BBY-015R		0.4	310	150	7800	5	> 20000	
R BBY-016R		1.1	17	435	1800	<5	16990	
R BBY-017R		0.8	92	6	53	<5	> 20000	
R BBY-018R		0.3	9	20	27	5	> 20000	



GEOLOGICAL CROSS SECTION
(LOOKING NORTHWEST)



LEGEND

K_{QM} — CASSIAR BATHOLITH: MEDIUM-GRAINED BIOTITE-QUARTZ MONZONITE

UPPER SYLVESTER

MP$_V$ — SYLVESTER ALLOCHTHON: INTERCALATED APHANITIC/BASIC TO INTERMEDIATE META-VOLCANICS TOGETHER WITH GABBROIC INTRUSIVES, SERPENTINIZED ULTRAMAFICS AND SILICEOUS SEDIMENTS. DISTINCTIVE CATACLASITE (SAND AUGEN) AT LOWER CONTACT.

LOWER SYLVESTER

$_U$DM$_3$ — CHERT AND PHYLLITIC ARGILLITE: LIGHT-GREY CHERT TOGETHER WITH GREEN-GREY PHYLLITIC ARGILLITE. MINOR DISCONTINOUS SANDSTONE HORIZONS. UNIT LOCALLY REMOVED BY SYLVESTER ALLOCHTHON.

$_U$DM$_2$ — SILICEOUS ARGILLITE AND EXHALITE: YELLOW-BROWN WEATHERING, CARBONACEOUS SILICEOUS ARGILLITE WITH LOCAL CHERT AND SILTY ARGILLITE. CONTAINS UP TO 5 PYRITIC, BARITIC, SILICEOUS EXHALITE HORIZONS WHICH LOCALLY HOST Pb-Zn-Ag MINERALIZATION.

$_U$DM$_1$ — SAND LAMINATED SILTY ARGILLITE: CARBONACEOUS, SILTY ARGILLITE INTERLAMINATED TO THINLY INTERBEDDED WITH FINE TO COARSE-GRAINED SANDSTONE TURBIDITES. LOCAL GRADED BEDDING, LOAD CASTS AND FLAME STRUCTURES. CALCARENITE BEDS TO 3 METERS IN THICKNESS.

McDAME

$_M$D$_C$ — LIMESTONE AND DOLOSTONE: LIGHT-GREY WEATHERING, BLOCKY DOLOSTONE OVERLAIN BY PLATY TO BLOCKY FETID LIMESTONE. LOCALLY LAMINATED, CARBONACEOUS, SILICEOUS, COARSELY-CRYSTALLINE, BIOTURBATED AND BRECCIATED. MINOR QUARTZITE. HOSTS LIMONITIC Zn-Ba MINERALIZATION NEAR UPPER CONTACT.

$_M$D$_A$ — ARGILLITE: BLACK, SILICEOUS ARGILLITE WITH LOCAL CHERT, SANDSTONE AND CALCARENITE. POSSIBLY BELONGS TO UPPERMOST SANDPILE

SANDPILE

SD$_{SD}$ — DOLOMITIC SANDSTONE AND DOLOSTONE: WHITE WEATHERING, BLOCKY DOLOMITIC SANDSTONE THICKLY INTERBEDDED WITH LIGHT-GREY WEATHERING DOLOSTONE. LOCAL QUARTZITE AND LIMESTONE.

KECHIKA

ϵOS$_K$ — CARBONACEOUS SHALE AND DOLOMITIC SILTSTONE: BLACK CARBONACEOUS SHALE. LOCAL PLATY, CARBONACEOUS DOLOMITIC SILTSTONE.

- OUTCROP
- BEDDING ATTITUDE
- CLEAVAGE ATTITUDE
- TREND AND PLUNGE OF MINOR FOLD AXIS
- GEOLOGICAL CONTACT: DEFINED, APPROXIMATE, ASSUMED
- THRUST FAULT: DEFINED, APPROXIMATE, ASSUMED
- FAULT
- (F) FERRICRETE
- (G) GOSSAN
- SPRING
- Py X$^{Pb}_{Zn}$ MINERALIZATION: GALENA, SPHALERITE, PYRITE.
- ASSAY SAMPLE LOCATION

NOTE:

TOPOGRAPHY FOR 104P ADAPTED FROM 104 P/5, 12, 1:50,000 SCALE MAPS.

CONTOUR INTERVAL 100 m.

MAGNETIC DECLINATION (1982) : 30°50' EAST.

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,751

REGIONAL RESOURCES LTD.

GEOLOGY

BLUE CLAIM GROUP

JENNINGS RIVER - McDAME MAP AREAS
N.T.S. 104 O/9, 104 P/5, 12
LIARD MINING DIVISION, BRITISH COLUMBIA

SCALE = 1:10,000

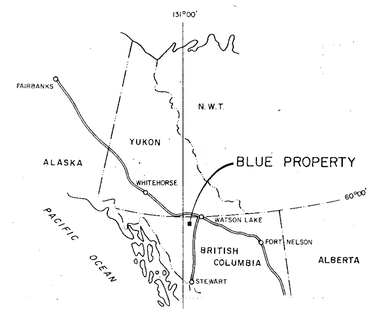
500 0 500

BY
CORDILLERAN ENGINEERING
1418 - 355 BURRARD STREET
VANCOUVER, B.C. V6C 2G8

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — M. H. SINCLAIR

SEPTEMBER 1982

PLATE: I



APPROXIMATE CLAIM BOUNDARY

EXPLANATION

- SOIL SAMPLE SITE (50M. INTERVAL)
- NS NO SAMPLE
- Δ ROCK SAMPLE SITE
- □ STREAM SEDIMENT SITE
- 90ppm CONTOUR (POSSIBLY ANOMALOUS)
- 160ppm CONTOUR (ANOMALOUS)

Pb CONCENTRATION IN PPM.

BACKGROUND	0-90
POSSIBLY ANOMALOUS	91-160
ANOMALOUS	>160

NOTE:
TOPOGRAPHY FOR 104P ADAPTED FROM 104 P/5, 12, 1:50,000 SCALE MAPS
CONTOUR INTERVAL 100 m.
MAGNETIC DECLINATION (1982) 30° 50' EAST

GEOLOGICAL BRANCH ASSESSMENT REPORT

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LEAD IN SOILS

BLUE CLAIM GROUP

JENNINGS RIVER - McDAME MAP AREAS
N.T.S. 104 O/9, 104 P/5, 12
LIARD MINING DIVISION, BRITISH COLUMBIA

SCALE 1 : 10,000
500 0 500

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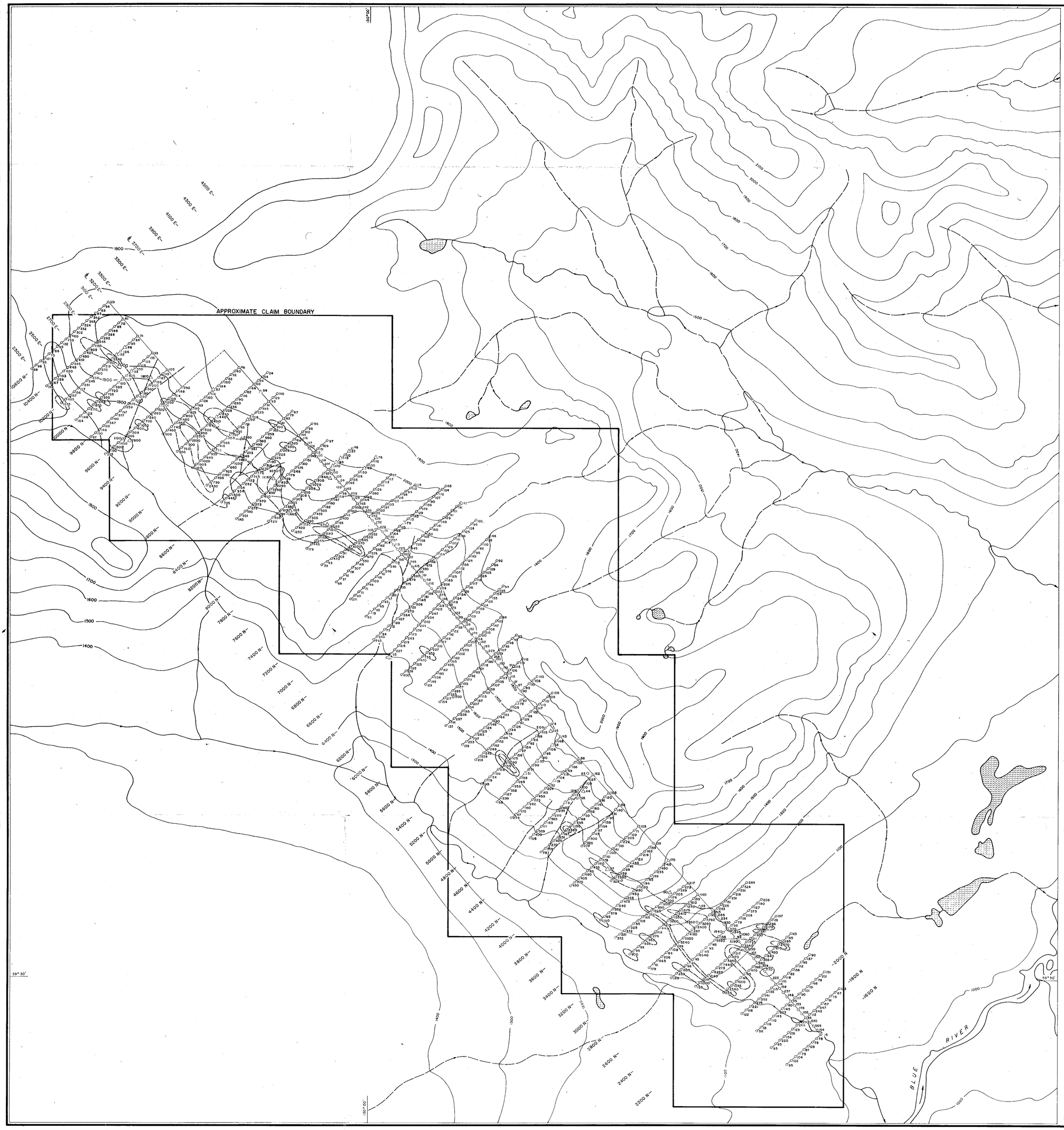
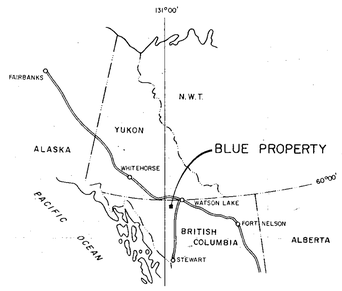
SEPTEMBER 1982

PLATE: 2





EXPLANATION

- SOIL SAMPLE SITE (50M. INTERVAL)
- NS NO SAMPLE
- △ ROCK SAMPLE SITE
- STREAM SEDIMENT SITE
- 750ppm CONTOUR (POSSIBLY ANOMALOUS)
- 1580 ppm CONTOUR (ANOMALOUS)

Zn CONCENTRATION IN PPM.

BACKGROUND	0–750
POSSIBLY ANOMALOUS	751–1580
ANOMALOUS	>1580

NOTE:
TOPOGRAPHY FOR 104P ADAPTED FROM 104 P/5, 12, 1:50,000 SCALE MAPS
CONTOUR INTERVAL 100 m
MAGNETIC DECLINATION (1982) : 30° 50' EAST

GEOLOGICAL BRANCH ASSESSMENT REPORT

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ZINC IN SOILS

BLUE CLAIM GROUP

JENNINGS RIVER – McDAME MAP AREAS
N.T.S. 104 O/9, 104 P/5, 12
LIARD MINING DIVISION, BRITISH COLUMBIA

SCALE = 1:10,000
500 0 500

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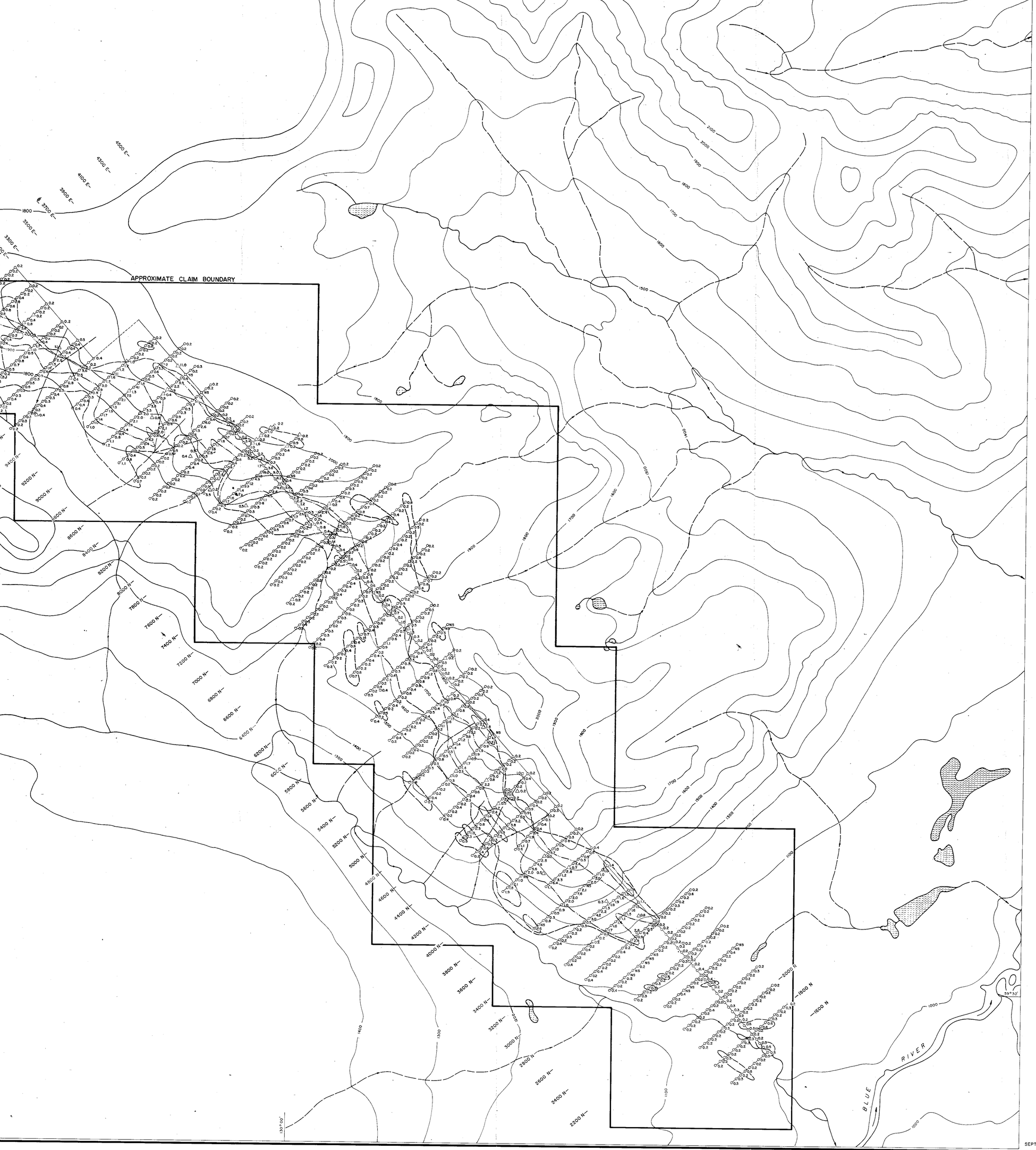
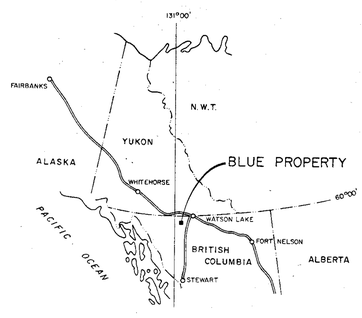
SEPTEMBER 1982

PLATE: 3





EXPLANATION

- SOIL SAMPLE SITE (50M. INTERVAL)
- NS NO SAMPLE
- △ ROCK SAMPLE SITE
- □ STREAM SEDIMENT SITE
- .47ppm CONTOUR (POSSIBLY ANOMALOUS)
- 1.2 ppm CONTOUR (ANOMALOUS)

Ag CONCENTRATION IN PPM

BACKGROUND	0-.47
POSSIBLY ANOMALOUS	.47-1.2
ANOMALOUS	>1.2

NOTE:

TOPOGRAPHY FOR 104P ADAPTED FROM 104 P/5, 12, 1:50,000 SCALE MAPS.

CONTOUR INTERVAL 100 m.

MAGNETIC DECLINATION (1982) : 30° 50' EAST

GEOLOGICAL BRANCH ASSESSMENT REPORT

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SILVER IN SOILS

BLUE CLAIM GROUP

JENNINGS RIVER - McDAME MAP AREAS
N.T.S. 104 O/9, 104 P/5, 12
LIARD MINING DIVISION, BRITISH COLUMBIA

SCALE 1 : 10,000

500 0 500

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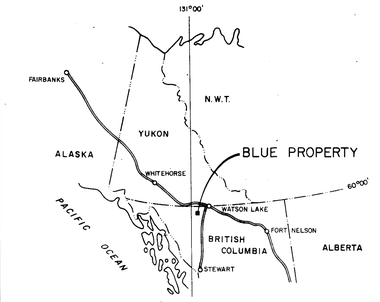
SEPTEMBER 1982

PLATE: 4



APPROXIMATE CLAIM BOUNDARY

WEST SHOWING

CARBONATE ZONE

DISCOVERY SHOWING

T.S. AREA

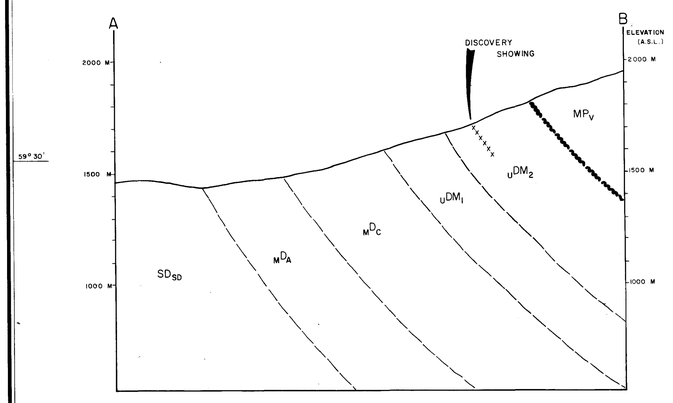
Z.S. AREA

HYDROZINCITE SPRINGS AND SEEPAGES

BASE LINE 340°

BLUE RIVER

GEOLOGICAL CROSS SECTION
(LOOKING NORTHWEST)



K_{QM} CASSIAR BATHOLITH

UPPER SYLVESTER

MP_V SYLVESTER ALLOCHTHON

LOWER SYLVESTER

$_UDM_3$ CHERT AND PHYLLITIC ARGILLITE

$_UDM_2$ SILICEOUS ARGILLITE AND EXHALITE

$_UDM_1$ SAND LAMINATED SILTY ARGILLITE

McDAME

$_MP_C$ LIMESTONE AND DOLOSTONE

$_MP_A$ ARGILLITE

SANDPILE

SD_{SD} DOLOMITIC SANDSTONE AND DOLOSTONE

KECHIKA

COS_K CARBONACEOUS SHALE AND DOLOMITIC SILTSTONE

LEAD 90 ppm. CONTOUR

ZINC 750 ppm. CONTOUR

SILVER .47 CONTOUR

BEDDING ATTITUDE

CLEAVAGE ATTITUDE

TREND AND PLUNGE OF MINOR FOLD AXIS

GEOLOGICAL CONTACT: DEFINED, APPROXIMATE, ASSUMED

THRUST FAULT: DEFINED, APPROXIMATE, ASSUMED

FAULT

F FERRICRETE

G GOSSAN

SPRING

Py X Pb Zn MINERALIZATION: GALENA, SPHALERITE, PYRITE

NOTE:

TOPOGRAPHY FOR 104P ADAPTED FROM 104 P/5, 12, 1:50,000 SCALE MAPS

CONTOUR INTERVAL 100 m

MAGNETIC DECLINATION (1982) 30° 30' EAST

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,751

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. R. SANGUINETTI

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COMPILATION

BLUE CLAIM GROUP

JENNINGS RIVER - McDAME MAP AREAS
N.T.S. 104 O/9, 104 P/5, 12
LIARD MINING DIVISION, BRITISH COLUMBIA
SCALE 1:10,000

500 0 500

BY
CORDILLERAN ENGINEERING
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VANCOUVER, B.C. V6C 2G8

SEPTEMBER 1982

PLATE: 5