ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 92.08.28

ASSESSMENT REPORT 21855 — MINING DIVISION: Revelstoke

PROPERTY: Rain
LOCATION: LAT 51 26 00 LONG 118 07 00
UTM 11 5698388 422374
NTS 082M08E
CLAIM(S): Rain 1,Rain 3,Deer 3
OPERATOR(S): Bethlehem Res.
AUTHOR(S): Campbell, I.
REPORT YEAR: 1991, 75 Pages
KEYWORDS: Hadrynian,Horsethief Creek Group,Hamill Group,Lardeau Group
Quartzites,Dolomites,Marbles,Phyllites

WORK DONE: Geochemical,Geophysical
EMGR 17.0 km;VLF
Map(s) - 3; Scale(s) - 1:5000
MAGG 17.0 km
Map(s) - 2; Scale(s) - 1:2500,1:5000
SOIL 502 sample(s) ;ME
Map(s) - 5; Scale(s) - 1:2500

REPORT OF EXPLORATION ON MURDER CREEK PROJECT, RAIN PROPERTY

Revelstoke Mining Division

NTS 82M/8E
51°26'N, 118°07'W

For

Bethlehem Resources Corp.
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808 W. Hastings St.,
Vancouver, B.C. V6C 2X4

Ian Campbell, Consulting Geologist
OreQuest Consultants Ltd.

October 25, 1991

SUMMARY

The Murder Creek Project on the Rain property represents an exploration target for stratabound copper-zinc massive sulphide deposits. The property is located approximately 60 kilometres north of Revelstoke, B.C. and consists of 18 claims totalling 216 units. The property was staked in 1989-90 and is owned by Bethlehem Resources Corp. (100%).

The 1991 exploration program focused on locating stratabound copper-zinc massive sulphide mineralization in the Murder Creek area of the property. The program was based on recommendations drawn from the 1990 exploration program (Wild, 1990) which indicated the Murder Creek area to be underlain by Paleozoic-metasedimentary and metavolcanic rocks of the Lardeau Group host stratigraphy to Goldstream copper-zinc massive sulphide mine, 20 kilometres to the north.

The 1991 program consisted of the establishment of a flagged grid utilized for control of soil geochemistry (B horizon) sampling, ground magnetometer/VLF-EM geophysics, geological mapping and prospecting.

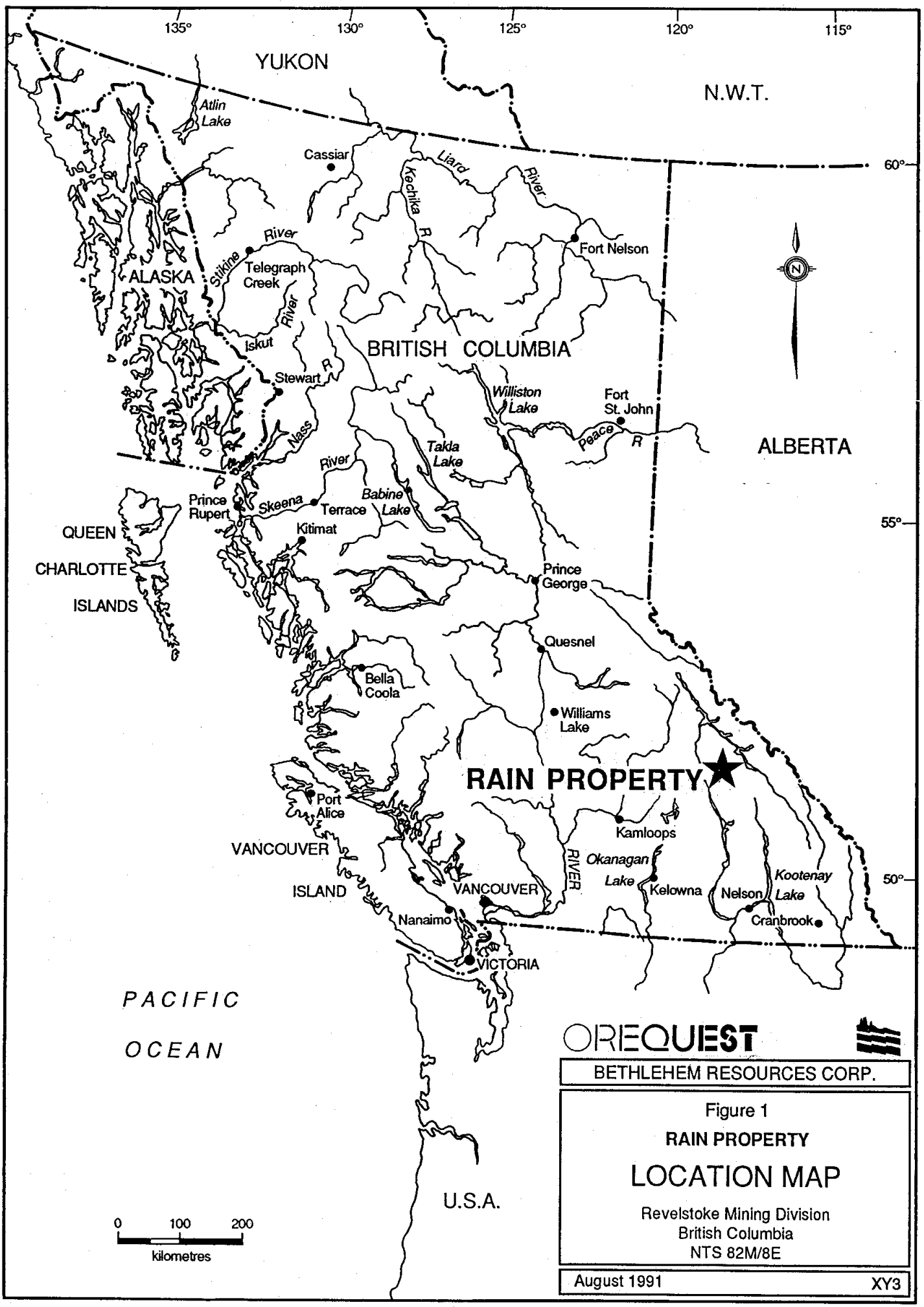
The geochemical survey has indicated 2 anomalous areas both of which lie along strike from banded pyrite mineralization discovered by Wild, 1990. The first area occurs in the northern part of the Murder Creek grid where a strong multi-element copper-zinc-lead-silver anomaly coincides with five subparallel VLF-EM conductors. The geochemical anomaly has a strike length of 500 m within which values

up to 2066 ppm copper, 9229 ppm zinc, 157 ppm lead and 1.5 ppm silver were detected. Banded to massive pyrite and pyrrhotite mineralization anomalous in copper and zinc was discovered in float downslope of the anomaly. Andalusite, tan coloured biotite, tourmaline and amphibole indicative of hydrothermal alteration, was noted in outcrop in what would represent the stratigraphic footwall based on the location of the geochemical anomaly.

The second area occurs 1 kilometre to the south along Murder Creek where an area of elevated copper, zinc and lead in soils was detected with values up to 577 ppm copper, 1084 ppm zinc and 104 ppm lead. The anomaly remains open to the west and south where it trends off the existing grid. This area is underlain by dark banded phyllite.

Massive galena mineralization was also discovered in limestone float along the north side of Downie Creek, assaying 49% lead, 1.81% zinc and 0.35% copper.

Trenching followed by diamond drilling is recommended to test the northern geochemical anomaly. Additional grid work is recommended on the south and west part of the Murder Creek grid to locate the source of the anomalous copper in soils response. Lardeau stratigraphy to the north and south should be explored. Reconnaissance work should also be completed on the upper Standard Creek drainage, over a panel of Lardeau stratigraphy.



OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 1

RAIN PROPERTY

LOCATION MAP

Revelstoke Mining Division
British Columbia
NTS 82M/8E

August 1991 XY3

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Ian Campbell, F.G.A.C.	
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INTRODUCTION

The Murder Creek Project, within the Rain property, represents a target for stratabound copper-zinc massive sulphide deposits similar to the Goldstream mine. The property, held 100% by Bethlehem Resources Corp. is located approximately 60 kilometres north of Revelstoke, British Columbia and is underlain by rocks of the Proterozoic Horsethief Creek Group, Proterozoic to Lower Paleozoic Hamill Group, Paleozoic Badshot Formation and Lardeau Group. The Lardeau and Badshot rocks are known to host several massive sulphide deposits in the region.

A ground exploration program consisting of geological mapping, prospecting, soil geochemical sampling (B horizon) and VLF-EM and ground magnetometer geophysics was carried out over a portion of the property on the Rain 1 claim in the vicinity of Murder Creek. The purpose of the work program was to evaluate in detail the potential for stratabound copper-lead-zinc-silver mineralization. The work program was based on results from the 1990 program which outlined a section of stratigraphy exposed in Murder Creek which is "identical to the ore hosting sequence at the Goldstream Mine" (Wild, 1990).

This report describes and presents results from a 2 phase ground exploration program completed between August 4 and October 10, 1991. The first phase consisted of grid establishment over which the surveys were completed. The second phase involved follow up work on results from the first phase.

The author wishes to acknowledge the important contribution of Tim McGowen, Linda Lewis and George Cavey of OreQuest, Chris Wild and Pat McAndless of Bethlehem Resources Corp., and Gordon Gibson, Independent Consultant.

LOCATION AND ACCESS

The Rain property is located approximately 80 road kilometres north of Revelstoke within the northern Selkirk Mountains of southeastern B.C. (Figure 1). The property straddles the Downie Creek valley from approximately 1 kilometre north of the Sorcerer Creek confluence, southward for approximately 15 kilometres, and a portion of the property area covers the headwaters of Standard Creek. The property is centred at 51°26'N latitude and 118°07'W longitude, NTS map sheet 82M/8E.

Access to the lower elevations of the property areas is gained by travelling 67 kilometres north from Revelstoke on Route 23 (Nakusp-Mica Creek Highway) then eastward along the Downie Creek logging road. The property lies between kilometre 15 and 29 along the Downie Creek logging road from which several branch roads to logged areas provide access to the lower elevations. The alpine portions of the property must be accessed by helicopter.

TOPOGRAPHY, VEGETATION AND PHYSIOGRAPHY

The Murder Creek Project area is centred along Downie Creek, a large U-shaped drainage in the northern Selkirk Mountains. Elevations

over the whole property range from 670 m ASL on the valley floor to 2530 m ASL. Valley walls are steep with ridges and peaks being very sharp. Small glaciers cover portions of the southwestern portion of the claim group.

Vegetation consists of mature stands of cedar, hemlock and spruce with extensive ground cover consisting of dense underbrush, slide alder and devils club. Active logging continues in the Downie Creek valley and along the heavily wooded slopes.

Outcrop exposure is very limited in the lower valley being restricted to road cuts, creek exposure and scattered cliffs. Cliffs are more prevalent along the east side of the Downie Creek valley. Exposure in the alpine areas ranges from 80 to 100 per cent. Exposure on the Murder Creek grid was limited to Murder Creek, Cooler Creek and scattered outcrops of marble at the western end of northern lines.

Thick glacial till is evident from road cuts over portions of the lower valley areas. In the area of Murder Creek the soil profile consisted of a thin humus layer underlain by a 5-20 cm thick intermixed glacial till, clay layer, followed by a thin grey leached layer. Good B horizon red brown soil was located underneath the leached layer. Soil pits dug on some of the upslope portions of Murder Creek grid revealed an overburden depth of 1 to 2 m. Overburden depth increased on the eastern portions of the grid as

evidenced from road cuts, where the topography lessens and benches out.

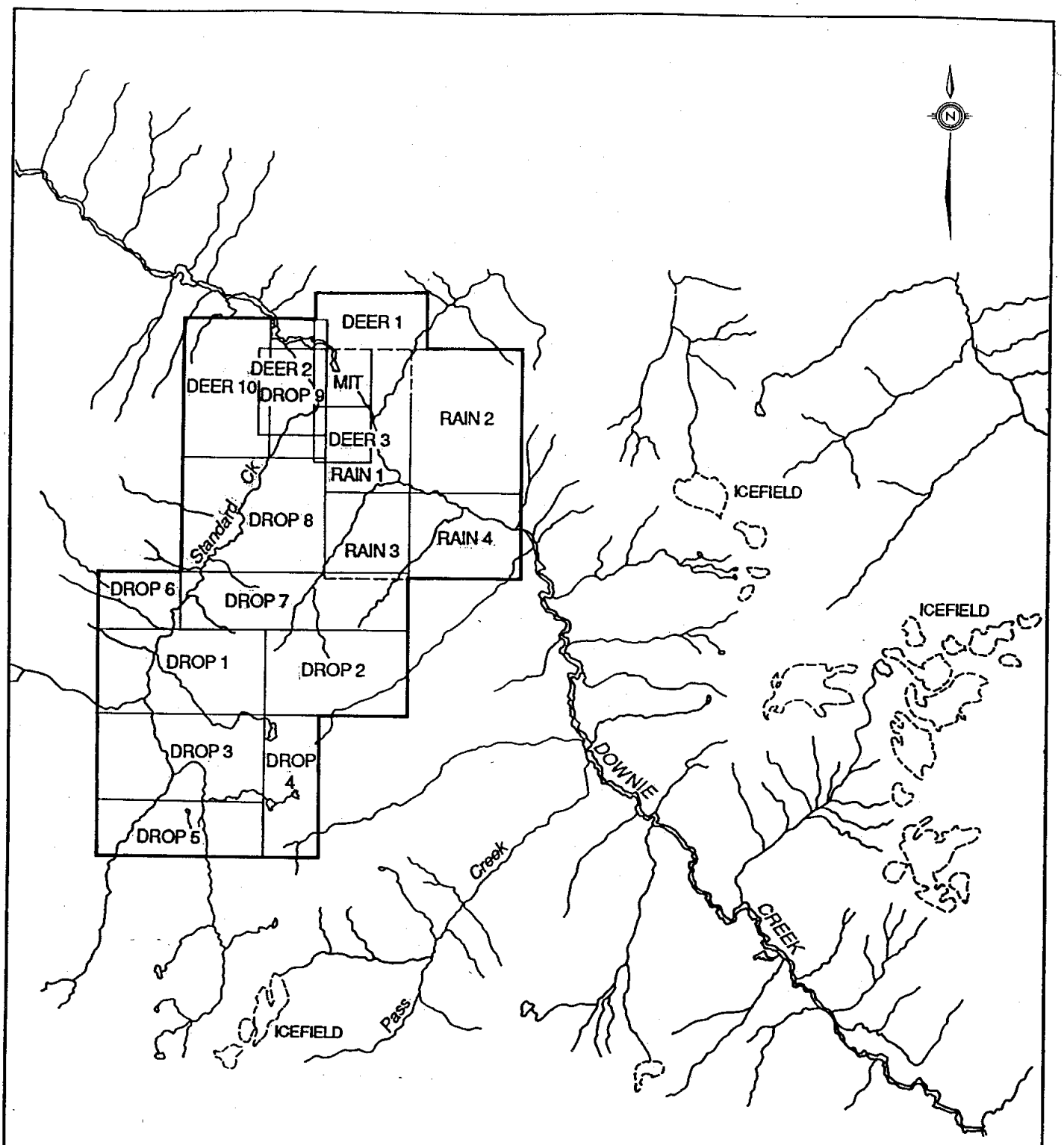
The Downie Creek area lies within the interior rain belt with precipitation averaging 1.15 m annually. Temperatures range between -30° C and +35° C.

CLAIM STATUS

The Rain property consists of 18 mineral claims totalling 216 units (Figure 3) registered within the Revelstoke Mining Division, B.C. Pertinent claim information is listed in Table 1, and includes the application of assessment credits earned during the current work program.

TABLE 1: CLAIM INFORMATION

CLAIM	RECORD	UNITS	AREA(ha)	LOCATION DATE	EXPIRY DATE
RAIN 1	2798	15	375	OCT 18/89	OCT 18/92
RAIN 2	2799	20	500	OCT 18/89	OCT 18/92
RAIN 3	2800	9	225	OCT 18/89	OCT 18/92
RAIN 4	2801	12	300	OCT 18/89	OCT 18/92
DROP 1	2943	18	450	SEP 24/90	SEP 24/92
DROP 2	2944	15	375	SEP 24/90	SEP 24/92
DROP 3	2945	16	450	SEP 24/90	SEP 24/92
DROP 4	2946	10	250	SEP 24/90	SEP 24/92
DROP 5	2947	12	300	SEP 24/90	SEP 24/92
DROP 6	2948	6	150	SEP 24/90	SEP 24/92
DROP 7	2950	16	400	SEP 24/90	SEP 24/92
DROP 8	2950	20	500	SEP 25/90	SEP 25/92
DROP 9	2951	10	250	SEP 25/90	SEP 25/92
DROP 10	2952	15	375	SEP 25/90	SEP 25/92
DEER 1	2969	8	200	DEC 06/90	DEC 06/92
DEER 2	2970	6	150	DEC 05/90	DEC 05/92
DEER 3	2971	4	100	DEC 06/90	DEC 06/92
MIT	302917	4	100	AUG 08/91	AUG 08/92
		216	5450		



OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 2

RAIN PROPERTY

CLAIM MAP

Revelstoke Mining Division
British Columbia
NTS 82M/8E

August 1991 XY3

PROPERTY HISTORY

Regionally, the area has a long history of mining exploration dating back to the 1860's. Interest in hardrock mining intensified with the discovery of the Montgomery copper-zinc-silver massive sulphide showing in 1896, approximately 12 kilometres to the northwest of the Rain property. Work on the Montgomery property has continued sporadically with the most recent work consisting of a short diamond drill program completed in September 1990 by joint venture partners Goldnev Resources Inc. and Bethlehem Resources Corp.

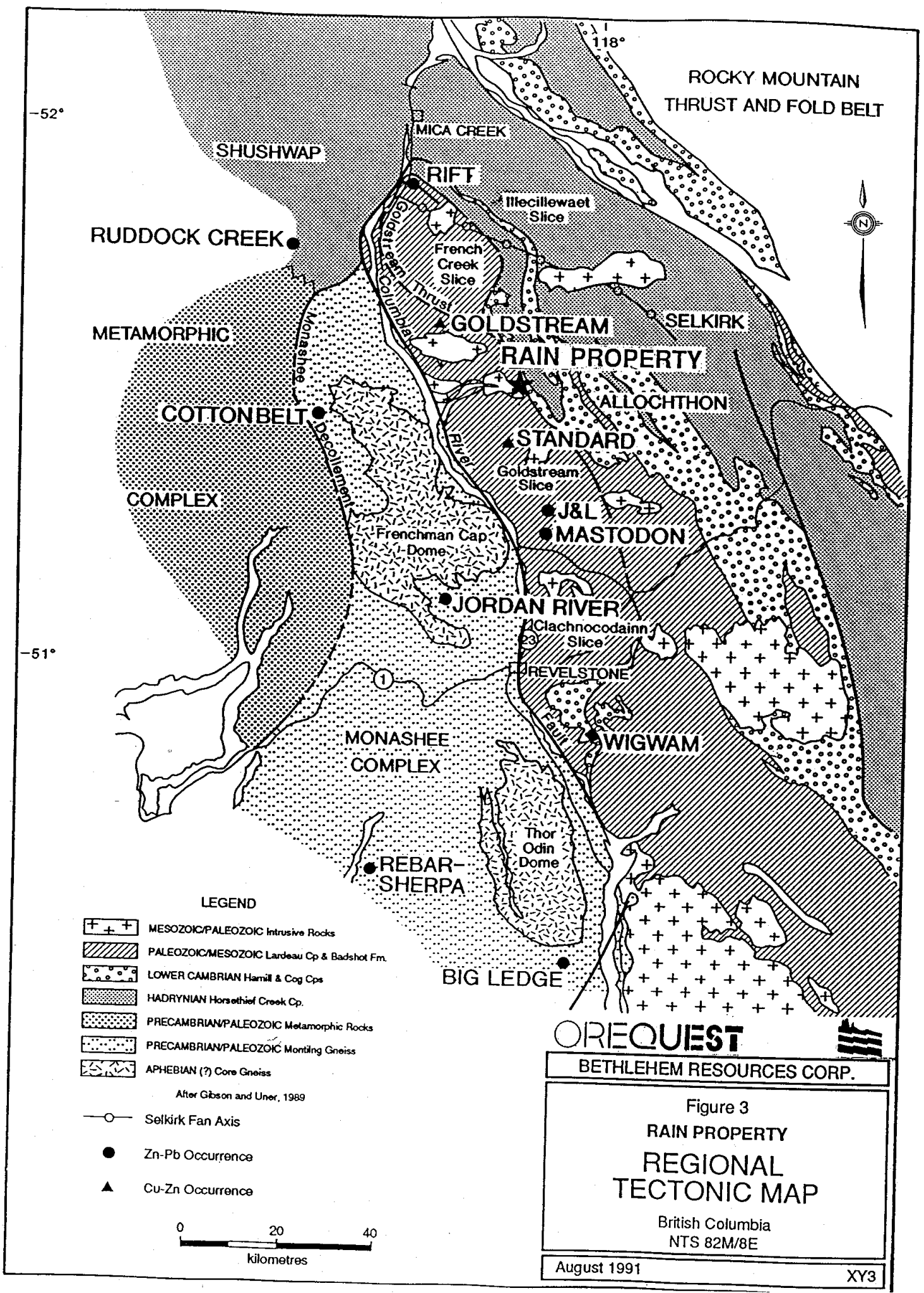
The Standard property located approximately 8 kilometres southwest of the Rain 10 claim was also discovered in 1896. This copper-zinc-silver massive sulphide occurrence has also been worked intermittently, the last serious work completed in 1976 by Noranda Exploration Co.

The area currently has one producing mine, the Goldstream copper-zinc massive sulphide deposit which lies approximately 20 kilometres northwest of the Rain property. Goldstream was discovered in 1974 by two prospectors, Bried and King, who optioned the property to Noranda Exploration Co. Ltd. By late 1975, a deposit containing 3.175 million tonnes grading 4.49% copper and 3.14% zinc had been outlined. The mine operated for seven months in 1983 before closing due to prevailing metal prices. Joint ventures partners, Bethlehem Resources Corp. and Goldnev Resources Inc., purchased the mine and mill complex in 1989. The Goldstream Mine is currently producing at a rate of

approximately 1100 tonnes per day, at an average grade of 4.31% copper and 2.96% zinc. Current mineable reserves are 1.86 million tonnes grading 4.81% copper and 3.06% zinc (Northern Miner, July 22, 1991). Diamond drilling in 1991 on the down plunge extension of the ore body has increased the possible reserves by approximately 30% with the deposit remaining open at depth (Campbell, 1990).

Approximately 20 kilometres to the south of the Rain property Cheni Gold Mines Inc. is currently doing a feasibility study on the J and L polymetallic massive sulphide property. Current proven, probable and possible reserves in the Main Zone stand at 4.77 million tonnes grading 7.2 g/ton gold, 72.0 g/ton silver, 2.7% lead and 4.3% zinc, while the Yellowjacket Zone hosts possible reserves of 910,000 tonnes grading 7.4% zinc, 2.6% lead, 55 g/tonne silver (Cheni Gold Mines, July 1991). The deposits are hosted in "Hamill Group metasedimentary and metavolcanic rocks interlayered or in fault contact with Early Cambrian Mohican and Badshot formations, and the Lower and Upper Index Formations of the Cambrian and younger Lardeau Group" (Meyers, R.E. et al, 1989).

Portions of the Rain property were previously held by Noranda Exploration Co. Ltd. in the late 1970's in order to evaluate a copper-tungsten showing immediately north of the Sorcerer Creek-Downie Creek confluence. Geological mapping, B horizon geochemistry and ground magnetometer and VLF-EM geophysics were completed over a control grid. The Sorcerer Creek showing was interpreted to be skarn mineralization


118°
ROCKY MOUNTAIN
THRUST AND FOLD BELT
52°
MICA CREEK
SHUSHWAP
RIFT
Illecillewaet
Slice
RUDDOCK CREEK
French
Creek
Slice
Columbia
Thrust
GOLDSTREAM
SELKIRK
METAMORPHIC
Monashee
RAIN PROPERTY
ALLOCHTHON
COTTON BELT
Decollement
River
STANDARD
Goldstream
Slice
COMPLEX
J&L
MASTODON
Frenchman Cap
Dome
JORDAN RIVER
Clachnocodainn
Slice
51°
REVELSTONE
Fault
WIGWAM
MONASHEE
COMPLEX
Thor
Odin
Dome
REBAR-
SHERPA
BIG LEDGE
LEGEND
MESOZOIC/PALEOZOIC Intrusive Rocks
PALEOZOIC/MESOZOIC Lardeau Gp & Badshot Fm.
LOWER CAMBRIAN Hamill & Cog Gps
HADRYNIAN Horsethief Creek Gp.
PRECAMBRIAN/PALEOZOIC Metamorphic Rocks
PRECAMBRIAN/PALEOZOIC Montiling Gneiss
APHEBIAN (?) Core Gneiss
After Gibson and Uner, 1989
Selkirk Fan Axis
Zn-Pb Occurrence
Cu-Zn Occurrence
0
20
40
kilometres
OREQUEST
BETHLEHEM RESOURCES CORP.
Figure 3
RAIN PROPERTY
REGIONAL
TECTONIC MAP
British Columbia
NTS 82M/8E
August 1991
XY3

related to a Cretaceous aged intrusive to the north. Follow up work was recommended on a zinc-lead-copper-silver geochemical anomaly detected on the southern portion of the grid. No further work was recorded.

In 1989, Bethlehem Resources Corp staked the Rain property based on a re-evaluation of the Goldstream Mine stratigraphy which suggested the Rain property may be underlain by similar host rocks. Geological work by Bethlehem in 1990 (Wild, 1990) confirmed portions of the property to be underlain by the Palaeozoic Lardeau Group host to several other copper-lead-zinc massive sulphide deposits in the region, including Goldstream. Further work was recommended for the Murder Creek area.

REGIONAL GEOLOGY

The regional geology of the Goldstream River-Downie Creek area has been described in detail by several authors: Gunning (1928) and Wheeler (1965), Gibson (1978-86), Hoy et al (1977, 1984-85) and Read and Brown (1981-89). The regional geology consists of metasedimentary and lesser amounts of metavolcanic rocks of early paleozoic age deposited along the western margin of Cratonic North America. These rocks lie within the Selkirk Allochthon, a composite terrain comprised of at least four major fault bounded complexly deformed tectonic slices. The Rain property lies within the Goldstream slice which also hosts the Goldstream copper-zinc deposit, the Montgomery and Standard copper-zinc, lead-zinc massive sulphide occurrences.

Rocks comprising the Selkirk Allochthon were transported from west to east over the core and mantling gneisses of the Monashee Complex during Middle Mesozoic to Eocene times an have also been intruded by granite stocks of probable Cretaceous age (Hoy et at, 1985). The Monashee decollement marks the contact between the Monashee Complex and the Shuswap Metamorphic Complex to the north and west. To the east, the east dipping Columbia River Fault separates the Selkirk Allochthon from the underlying Monashee Complex.

Rocks within the Selkirk Allochthon have under gone at least three phases of deformation. Phase 1 is believed to have inverted much of the Goldstream slice possibly as the underlimb of a major recumbent nappe. Large tight isoclinal to recumbent folds with strong axial planar foliation and northwest trending fold axes define Phase 2 folding. A third phase of deformation is evidenced by kink folds, crenulation cleavages and broad, upright, open folds.

Massive sulphide occurrences in the region are hosted in chloritic schists, sericite schist and dark banded graphitic calcareous phyllite associated with basic volcanism. Stratigraphy that hosts the Standard deposit has been correlated with the Lower Paleozoic Index formation while lead isotope data from the Goldstream Mine gives a Devonian age.

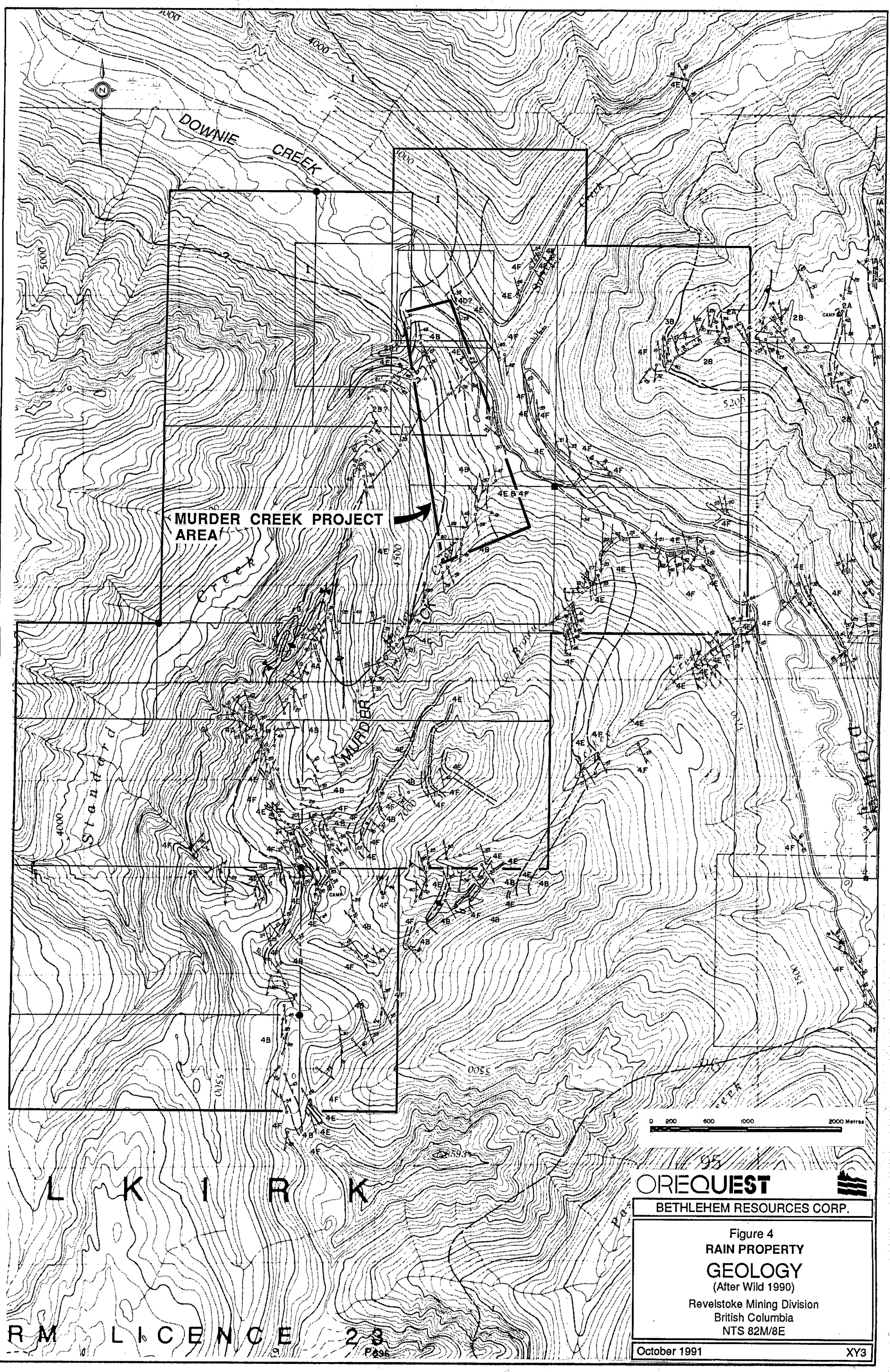
FIELD PROCEDURES

A flagged control grid totalling 17 kilometres was established by compass and hipchain methods. The grid consists of a base line 2.15 kilometres in length trending 165°, 1550 m north and 600 m south of Murder Creek. Crosslines were established at 100 m intervals, except in the northern 300 m of the grid where infill crosslines were established at 50 m intervals. The lines generally extend 250 m east of the baseline, with crosslines of variable length west of the baseline intended to give coverage across the interpreted dark banded phyllite/marble contact. During the course of the program, several old tags depicting line and station locations from Noranda's control grid in 1981 were noted, allowing for good control when compiling and correlating pre-existing data.

PROPERTY GEOLOGY

The Rain property is underlain by rocks of the Proterozoic Horsethief Creek Group, Proterozoic to Lower Paleozoic Hamill Group and Paleozoic Badshot Formation and Lardeau Group.

Structurally these units trend northwest with moderate east to northeast dips. Second phase isoclinal folding and a dominant axial planar foliation are the dominant structural elements. Fold axes plunge gently to the southeast and northeast end of Keystone Peak. East of Downie Creek, plunges are moderate to the northeast, steepening northward toward Downie Peak. Broad, open third phase folds warp the foliation and original layering kink folds and


DOWNIE CREEK
MURDER CREEK PROJECT AREA
Standard
MURDER CK
DOWNIE CREEK
4000
4500
5000
5500
7000
CAMP
0 200 600 1000 2000 Metres
L K I R K
RM LICENCE 23
OREQUEST
BETHLEHEM RESOURCES CORP.
Figure 4
RAIN PROPERTY
GEOLOGY
(After Wild 1990)
Revelstoke Mining Division
British Columbia
NTS 82M/8E
October 1991
XY3

GEOLOGY LEGEND for Figure 4

Lardeau Group - Paleozoic

4F Quartz- Chlorite - Sericite Schist, minor Marble, Quartzite

4E Marble

4D Sulphide Layer

4C "Garnet Zone" cherty and graphitic schist

4B Quartz - Graphite - Biotite Schist, strongly calcareous

4A Talc Schist

Badshot Formation - Paleozoic

3B Marble

3A Calc Schist

Hamill Group

2B Quartzite

2A Quartz - Biotite - Muscovite Schist, Quartzite

Horsethief Creek - Proterozoic

1B Dolomite, Micaceous Quartzite, Chlorite Schist

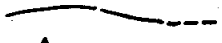
1A Marble

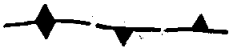
I Intrusive Rocks - Cretaceous

Traverse Station


Attitude of Bedding (S0), Primary Foliation (S2), and Crenulation Cleavage (S3)


Direction/Plunge of Minor Fold Axis (F2 and F3) and Lineations (L2 and L3); vergence as viewed down plunge.


Geological Contact - defined, assumed, interred

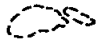

Major Antiform - defined, assumed


Major Synform - defined, assumed

Fault - defined, assumed

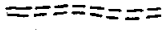

Mineral Occurrence

Gossan


Extent of Outcrop


Legal Corner Post, location from claim map


2 Post Claimpost


Logging Road


Claim Boundary

crenulation cleavage are the dominant third phase structures showing near vertical axial planar cleavage and gentle east-west plunges (Wild, 1990).

Chloritic and calcareous metasediments dominate from Downie Creek westward to Standard Creek. These rocks tend to become more chloritic to the south and west, eventually becoming metavolcanic greenstones near Standard Peak. To the north, graphitic dark banded phyllites are more common. These metasediments are overlain to the east by older Badshot Marble and Hamill quartzites indicating the entire section to be overturned.

The Murder Creek project area (Figure 4, 13) is underlain by graphitic dark banded phyllite, sericite to quartz sericite schist, siliceous siltstones and marble. Outcrop is restricted to creek valleys and road cuts, making geological contacts somewhat speculative. The dark banded phyllite exposed in Murder Creek and just north of Cooler Creek consists of siliceous chloritic to quartzitic phyllite with calcareous and graphitic interbeds. This unit is very similar, if not identical, to the enclosing strata of the Goldstream ore body. The unit trends north-south to south-southwest with dips ranging from 40^{o} to 65^{o} east. The marble contact in the west portion of the grid not noted in outcrop, is based on geophysical interpretation from the field magnetics, the presence of 2 small marble outcrops on the west end of Line 2+00S, and the strike

extension of the contact in Murder Creek at the Murder Creek showing (Wild, 1990).

The dark banded phyllite is overlain by sericite to quartz sericitic siliceous schists and siliceous siltstones, mapped along the lower road. Interbedded marble units were noted within the dark banded phyllite, and the sericitic schists.

GEOCHEMISTRY

Geochemical B horizon soil sampling was conducted at 25 m intervals on the northern portions of the grid widening to 50 m spacings to the south. In most cases, a brown to reddish-brown B horizon was developed at a depth between 10 to 50 cm. Overburden depth on the upslope portions of the grid ranged from 1 to 2 m where tested. A total of 502 soil samples, 2 silt samples and 50 rock samples were collected during the course of the program. The samples were analyzed using a 25 element scan by ICP methods by Vangeochem Labs in Vancouver (Appendix I).

Geochemical analytical results are found in Appendix II. Detailed plots of soil sample results for copper, zinc, lead, silver and manganese are found in pocket (Figures 5-9). Brief descriptions of rock samples are found in Appendix IV.

The copper, zinc and lead maps show contoured areas of anomalous results. Areas of anomalous concentrations of copper and zinc are

also shown in the compilation map, Figure 13. Modal values for copper, zinc and lead in soils is 34 ppm, 180 ppm, 21 ppm while the threshold for an anomalous value is taken at 75 ppm, 350 ppm and 50 ppb respectively. Anomalous levels were determined by adding twice the standard deviation to the arithmetic mean determined after eliminating the top 5 percentile of the sample population.

A broad multi-element copper-zinc-lead anomalous area exists in the northern portion of the Murder Creek grid. The anomaly occurs along an east sloping ridge on the west side of Downie Creek and can be separated into a copper dominant phase and a zinc dominant phase based on a copper-zinc product plot.

The copper phase occurs upslope, on Lines 0+00 to 5+00S between 1+00W ad 2+00W, defining a north-south linear trend. Values up to 510 ppm copper and 994 ppm zinc were yielded from the initial geochemical survey. Follow up test pits dug within the anomaly returned much higher copper values. A copper value of 2066 ppm was obtained at a 1.3 m depth at the base of the B horizon along the rubble interface at station 1+57W, Line 2+00S. A similar sample taken 7.0 m downslope yielded 896 ppm copper. Zinc values also showed some increase with depth at the sample locations.

The zinc dominated phase (Figure 5) occurs 100 to 150 m down slope, on Lines 0+00 to 3+00S. The strongest part of the anomaly occurs on Lines 2+00S to 3+00S where several samples yielded over 2000

ppm zinc, the highest being 8992 ppm. Lead is also anomalous (Figure 7) with values ranging between 56 and 156 ppm. Several single to multi-station copper highs (Figure 6) also occur in the portion of the anomaly with the highest being 105 ppm.

Silver, manganese, nickel, strontium and cadmium are also strongly anomalous in the northern part of the Murder Creek grid.

A second geochemical anomalous area occurs on the western ends of Lines 14+00S to 21+00S with values up to 577 ppm copper, 1084 ppm zinc and 104 ppm lead. Exposure along Murder Creek indicates the anomalous area to be underlain by dark banded phyllite, however the anomaly does trend upslope off the grid to the west.

GEOPHYSICS

Very low frequency electromagnetic (VLF-EM) and magnetic geophysical surveys were conducted on part of the grid from line 0 to line 1500S. The survey utilized an EDA OMNI PLUS combined magnetometer and VLF receiver with a second OMNI PLUS as a base station to record magnetic diurnals. The VLF transmitters at Seattle (NLK at 24.8 kHz) and Hawaii (NPM at 23.4 kHz) were used. The Seattle coverage was incomplete on 3 lines because of the scheduled Thursday transmitter maintenance shut down. However, Hawaii, in essentially the same direction as Seattle from the survey area, provides back-up coverage.

The results of the magnetic survey are presented in contoured format on Figure 10. Figures 11 and 11a show the VLF-EM results in profile and Figure 12 shows the in-phase Fraser Filtered results for Hawaii. The Seattle, in-phase was not Fraser Filtered because of the 3-line gap in the results.

The VLF-EM survey outlined a number of anomalies as shown on Figure 11 which would appear to define the conductors as indicated. Anomalies are not indicated on the Seattle results but a comparison between Seattle and Hawaii shows that they are almost identical.

The causes of the conductors are unknown at this time. At the Goldstream area conductors emanate primarily from graphite in the dark banded phyllite and at the deposit itself the massive sulphides cannot be electromagnetically distinguished from the enclosing graphitic horizons. Interbedded graphitic horizons within the dark banded phyllite evident in outrcop in Cooler Creek is the most likely cause for the VLF-EM conductor located on Lines 0+00, 1+25E to Line 4+00S, 0+75E. The remaining conductors are all obscured by overburden.

The conductor that appears to trend obliquely across the grid is probably a fault with an apparent shallow westerly dip. The out of phase anomalies for this feature have opposite signs to the in-phase responses to indicate a good conductor.

The frequency and quality of the anomalies appear to diminish abruptly to the south of this fault.

The magnetic field varies from a high of 58,300 nT to a low of 57,700 nT. The results outline a belt of generally small, isolated closures which more or less defines the interpreted extent of the dark banded phyllite. This character of magnetic response also occur in the Goldstream area. Lows adjacent to the highs are probably induction effects although intense lows like the one on L1100S at 200W are also evident around the Goldstream deposit where they haven't been adequately explained.

The magnetic response along the edges of the grid are generally subtle with a minimal relief consistent with the interpreted limestone lithologies.

Some of the magnetic anomalies occasionally correlate with portions of the conductors. However, the correlation is not consistent as if the magnetic and conductive responses arise from unrelated sources.

DISCUSSION OF RESULTS

The geochemical copper-zinc soil anomaly on lines 0+00 to 5+00S between 1+00W and 2+00W could reflect a local bedrock source. A follow up soil pit excavated where initial sampling had yielded 257 ppm copper, yielded strongly elevated copper concentrations up to 2066

ppm, copper (L2+00W, 1+57W) and 869 ppm copper (L2+00S, 1+50W). The samples were taken from the B horizon at the soil/rubble interface at a depth of 1.3 m. This illustrates rapidly improving concentrations of copper with depth. Zinc also exhibits increased concentrations with depth (Figure 5).

The zinc anomaly east of the baseline on Lines 0+00 to 3+00S may be transported, a result of downslope dispersion and ground water seepage. Evidence includes the presence of tufa in the upper soil profile and calcrete deposits along the creek bed. Several of the highest zinc results are also strongly enriched in calcium. Follow up soil pits at some of the highest results showed declining zinc concentrations with depth (Figure 5). The presence of the coincident lead anomaly cannot adequately be explained in consideration that lead is much less mobile than zinc. The VLF-EM conductor coincident with this portion of the anomaly can be explained by graphitic horizons in the dark banded phyllite, seen in exposure along Cooler Creek. The other VLF-EM conductors upslope to the west are all interpreted to have bedrock sources and to be underlain by dark banded phyllite.

The two geochemically anomalous areas discussed above are also anomalous in cadmium, silver, strontium, manganese and nickel, a geochemical signature very similar to the Goldstream ore body. Although skarn mineralization in outcrop occurs 0.6 kilometre to the northeast adjacent to a Cretaceous aged pluton, the absence of

anomalous tungsten, tin and only weak molybdenum, casts doubt on this as a possible source.

When exploring for stratabound copper-zinc massive sulphide deposits several characterics of the enclosing strata evident at the Goldstream Mine should be considered. At Goldstream, the stratigraphic footwall dark banded phyllite is not anomalous in copper or zinc until 5 m directly below the deposit. Intense shearing and complex folding has either obliterated and/or transported any pre-existing stringer zone, although, Besshi type deposits, which Goldstream resembles, are not known to contain large stringer zone mineralization. It is worth noting that several samples of dark banded phyllite in the area of Cooler Creek yielded anomalous copper concentrations (Figure 13) ranging from 377 ppm (sample #29101) to 1414 ppm (sample #19671). In the Goldstream open pit 10 m below the ore body large amphibole crystals in altered phyllite, flattened in the plane of the foliation occur. A similar occurrence was found in outcrop just north of Cooler Creek at 1+75S, 0+67E. Thin section analyses (Appendix III, sample #3) of this rock revealed the presence of tan coloured biotite, tourmaline and andalusite. These minerals indicate hydrothermal alteration, the source of which could be the emplacement of the granodiorite pluton to the north, or, solutions related to the deposition of sulphides. At Goldstream, tan coloured biotite (hydrous) within the stratigraphic footwall dark banded phyllite represented the only macroscopic evidence (drill core) of possible hydrothermal alteration related to the emplacement of the

ore body, at appreciable distances stratigraphically below the ore body.

Thin section analysis of a massive sulphide float boulder showed traces of chalcopyrite and sphalerite mineralization.

The anomalous area of copper, lead and zinc in soils on the southwestern portion of the grid is underlain by dark band phyllite. The anomaly trends upslope off the existing grid. Although good exposure occurs along Murder Creek, no explanation for this anomaly is apparent at this time.

Massive galena mineralization was found in a layer of limestone float boulder on the north side of Downie Creek by prospecting following up on a lead-zinc soil anomaly detected by Noranda (Mathieson, 1980). The mineralization occurs within a conformable, 0.75 m wide seam in the limestone boulder. The sample yielded assays of 49.0% lead, 0.35% copper and 1.81% zinc. No upslope source was located, however, minimal time was spent in the area.

CONCLUSIONS AND RECOMMENDATIONS

The Murder Creek Project area is underlain by Lardeau stratigraphy very similar to the immediate host strata of the Goldstream ore body. Orientation geochemical and geophysical surveys over a portion of this stratigraphy has outlined two geochemical anomalous zones requiring follow up work.

The strongest anomaly lies in the north portion of the Murder Creek grid where a multi-element geochemical anomaly exists within which occurs five subparallel VLF-EM conductors. The area is geochemically anomalous in copper, lead, zinc, manganese, cadmium, silver, strontium and nickel. This geochemical signature is similar to the Goldstream massive sulphide ore body. The VLF-EM conductors reflect bedrock sources, some of which are graphitic horizons within the dark banded phyllite. One or more may reflect massive sulphide mineralization. Thin section analysis of a massive pyritic float boulders downslope of the geochemical anomaly revealed anomalous concentration of chalcopyrite and sphalerite, in what was termed a sulphide chert boulder. Thin section analysis from a sample of phyllite contained andalusite, tourmaline and tan biotite, indicative of hydrothermal alteration. This sample would be within footwall dark banded phyllite, in consideration that the geochemical anomalies are upslope and the entire section is overturned.

The second geochemical anomaly lies in the central portion of the grid along Murder Creek where soil sampling outline a wide area of anomalous copper in soils with attendant zinc and lead anomalous concentrations. The anomaly is open to the west and south where it trends upslope off the existing grid. Bedrock underlying this area based on good exposure in Murder Creek is dark banded phyllite.

It is recommended the northern anomalous area be drilled by a fence of holes to test the dark banded phyllite along strike and

downdip. Additional test pitting and gridwork should be completed prior to drilling in order to help pinpoint drill targets.

The grid should be extended to the west and southwest in the Murder Creek area, to ensure complete coverage of the dark banded phyllite, limestone contact from the Murder Creek showing to the existing 1991 grid. This should be followed by detailed geochemical sampling, geophysics and prospecting in order to locate the source of anomalous copper in soils detected to date.

Additional areas underlain by Lardeau stratigraphy to the north and south, and along the headwaters of Standard Creek should be subjected to reconnaissance style sampling, prospecting and mapping, as outlined by Wild, 1990.

STATEMENT OF COSTS

Office Costs/Report		$ 9,621.68
Camp Costs		1,064.33
Mob/Demob		3,947.90
Communication		201.68
Geological Survey/Prospecting:		
Campbell, I.	11.5 days @ $375/day	4,312.50
McGowen, T.	4.0 days @ $250/day	1,000.00
Cavey, G.	5.0 days @ $460/day	2,300.00
Lewis, L.	2.0 days @ $250/day	500.00
Geophysical Survey:		
LeBel, L.	22 hrs. @ $62.50/hr	1,375.00
McGowen, T.	2 days @ $250/day	500.00
Geochemical Survey:		
McGowen, T.	11 days @ $250/day	2,750.00
Campbell, I.	4 days @ $375/day	1,500.00
Lewis, T.	7 days @ $250/day	1,750.00
LeBel, L.	15 hrs @ $62.50/hr	937.50
Linecutting		500.00
Drilling		500.00
Analyses		4,985.60
Equipment Rental		2,070.00
Total Statement of Costs		$39,816.19

CERTIFICATE of QUALIFICATIONS

I, Ian James Campbell of 19312 Davison Road, Pitt Meadows, British Columbia, hereby certify:

1. I am a graduate of Lakehead University (1982) and hold a BSc. (Geology) degree.
2. I am presently employed as a project geologist with OreQuest Consultants Ltd. of #306-595 Howe Street, Vancouver, British Columbia.
3. I have been employed as an exploration geologist on a full time basis since 1982, prior to that as a geological assistant for four field seasons.
4. I am a Fellow of the Geological Association of Canada and I am a member in good standing with the Prospectors and Developers Association.
5. The information contained in this report was obtained from exploration work conducted on the subject property by OreQuest Consultants Ltd. that I carried out and directly supervised.
6. I own no direct, indirect or expect to receive any contingent interests in the subject property or shares or securities of Bethlehem Resources Corporation.
7. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public document.

Ian James Campbell, F.G.A.C.
Geologist

DATED at Vancouver, B.C. this 25th day of October, 1991.

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APPENDIX I

ANALYTICAL PROCEDURES

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

October 24, 1991

TO: Mr. Ian Campbell
OREQUEST CONSULTANTS LTD.
306 - 595 Howe Street
Vancouver, BC V6C 2T5

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine hot acid soluble for 25 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" X 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2 Method of Digestion

(a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.

(b) Samples were digested with a 5 ml solution of HCl:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.

(c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with demineralized water and thoroughly mixed.

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3. Method of Analyses

The ICP analyses elements were determined by using a Jarrell-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disketts.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and his laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

October 24, 1991

TO: Mr. Ian Campbell
OREQUEST CONSULTANTS LTD.
306 - 595 Howe Street
Vancouver, BC V6C 2T5

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine Cu, Pb and Zn assay samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in the new bags for subsequent analyses.

2. Method of Digestion

(a) 0.200 gram portions of the minus 100 mesh samples were used. Samples were weighed out by using an analytical balance.

(b) Samples were digested in multi acids in volumetric flasks.

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BATHURST, N.B.
RENO, NEVADA, U.S.A.

3. Method of Analyses

Cu, Pb and Zn concentrations were determined using a Techtron Atomic Absorption Spectrophotometer Model AA5 with their respective hollow cathode lamps. The digested samples were directly aspirated into an air and acetylene mixture flame. The results, in parts per million, were calculated by comparing them to a set of standards used to calibrate the atomic absorption units.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and their laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

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October 24, 1991

TO: Mr. Ian Campbell
OREQUEST CONSULTANTS LTD.
306 - 595 Howe Street
Vancouver, BC V6C 2T5

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

(a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.

(b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Farenhiet to form a lead "button".

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(c) The gold is extracted by cupellation and parted with diluted nitric acid.

(d) The gold beads are retained for subsequent measurement.

3. Method of Detection

(a) The gold beads are dissolved by boiling with concentrated aqua regia solution in hot water bath.

(b) The detection of gold was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Raymond Chan or Mr. Conway Chun and his laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

APPENDIX II

ANALYTICAL RESULTS

VGC VANGEOCHEM LAB LIMITED

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: OREQUEST CONSULTANTS LTD.
ADDRESS: 306 - 595 Howe St.
: Vancouver, BC
: V6C 2T5

DATE: AUG 23 1991

REPORT#: 910196 GA
JOB#: 910196

PROJECT#: RAIN CLAIMS
SAMPLES ARRIVED: AUG 21 1991
REPORT COMPLETED: AUG 23 1991
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 910196 NA
TOTAL SAMPLES: 22
SAMPLE TYPE: 22 ROCK
REJECTS: SAVED

SAMPLES FROM: OREQUEST CONSULTANTS LTD.
COPY SENT TO: OREQUEST CONSULTANTS LTD.

PREPARED FOR: MR. GEORGE CAVEY

ANALYSED BY: Raymond Chan

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. GEORGE CAVEY @ 688-9727.
INVOICE & RESULTS SENT TO OREQUEST CONSULTANTS LTD.

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 910196 GA JOB NUMBER: 910196 OREQUEST CONSULTANTS LTD. PAGE 1 OF 1

SAMPLE #	Au ppb
29101	40
29102	10
29103	10
29104	nd
29105	20
29106	nd
29107	nd
29108	20
29109	80
29110	50
29111	110
29112	10
29113	140
29114	140
29115	20
29116	20
29117	30
29118	40
29119	nd
29120	nd
29121	20
29122	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Phn(604)251-5656 Fax#(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 910196 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 26 1991 | ATTENTION: MR. GEORGE CAVEY | PAGE 1 OF 1

Sample Name	Ag ppm	Al %	As ppm	*Au ppb	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
29101	1.4	0.94	<3	40	<1	<3	0.34	<0.1	34	<1	377	9.99	<0.01	0.05	1158	57	<0.01	71	0.02	49	<2	<2	37	<5	<3	39
29102	1.0	0.66	<3	10	69	5	>10	0.5	11	<1	112	2.33	<0.01	0.09	1901	<1	<0.01	<1	0.04	115	<2	<2	396	<5	<3	49
29103	0.5	1.74	<3	10	61	<3	0.52	0.6	7	<1	121	2.92	<0.01	0.30	126	<1	0.03	<1	0.02	<2	<2	<2	29	<5	<3	94
29104	0.2	0.78	<3	<5	108	<3	>10	0.4	3	<1	21	1.30	<0.01	0.14	680	<1	<0.01	<1	0.01	4	<2	<2	475	<5	<3	34
29105	<0.1	0.06	<3	20	12	<3	0.61	0.6	<1	<1	9	0.67	<0.01	<0.01	305	<1	0.01	<1	0.04	3	<2	<2	46	<5	<3	10
29106	0.5	0.21	<3	<5	77	<3	>10	<0.1	4	<1	11	8.13	<0.01	0.05	2895	<1	<0.01	<1	0.01	8	<2	<2	77	<5	<3	54
29107	1.8	0.20	<3	<5	<1	<3	0.46	<0.1	158	<1	1538	>10	<0.01	<0.01	250	23	<0.01	394	0.01	17	<2	<2	8	<5	<3	83
29108	2.4	1.23	<3	20	<1	<3	1.75	<0.1	8	<1	941	>10	<0.01	0.16	2287	<1	<0.01	253	0.10	35	<2	<2	20	<5	<3	49
29109	3.0	1.22	<3	80	<1	<3	0.73	3.0	14	<1	733	>10	<0.01	0.06	1188	19	<0.01	265	0.06	49	<2	<2	40	<5	<3	282
29110	1.0	0.17	18	50	<1	<3	0.17	1.7	5	<1	58	>10	<0.01	<0.01	133	<1	<0.01	<1	0.02	36	<2	<2	4	<5	<3	484
29111	3.7	0.76	<3	110	<1	<3	0.45	3.4	27	<1	850	>10	<0.01	0.02	758	14	<0.01	371	0.05	71	<2	<2	11	<5	<3	598
29112	1.7	0.24	<3	10	<1	<3	0.24	<0.1	150	<1	2067	>10	<0.01	<0.01	287	38	<0.01	390	0.01	21	<2	<2	6	<5	<3	139
29113	0.9	0.95	<3	140	<1	<3	0.54	<0.1	134	<1	696	>10	<0.01	0.05	79	<1	<0.01	148	0.01	23	<2	<2	32	<5	<3	67
29114	0.8	1.28	<3	140	<1	<3	1.00	<0.1	94	<1	528	>10	<0.01	0.06	100	<1	0.01	82	0.01	13	<2	<2	49	<5	<3	76
29115	0.7	7.70	<3	20	36	<3	2.56	<0.1	30	<1	122	4.68	<0.01	0.60	563	<1	0.28	<1	0.04	<2	<2	<2	157	<5	<3	183
29116	0.5	2.33	<3	20	240	<3	0.13	<0.1	21	<1	124	5.35	<0.01	0.22	395	<1	0.01	<1	0.01	<2	<2	<2	11	<5	<3	127
29117	1.6	1.49	<3	30	1	<3	0.67	<0.1	31	<1	474	>10	<0.01	0.04	10303	<1	<0.01	157	0.05	48	<2	<2	24	<5	<3	215
29118	1.1	2.54	276	40	<1	<3	1.20	<0.1	85	<1	992	>10	<0.01	0.09	4526	<1	<0.01	161	0.11	7	<2	<2	33	<5	<3	218
29119	0.4	5.79	<3	<5	134	<3	0.66	<0.1	10	<1	72	>10	<0.01	0.15	1675	<1	0.01	<1	0.03	<2	<2	<2	54	<5	<3	198
29120	0.2	1.95	<3	<5	231	<3	0.11	<0.1	13	<1	62	4.12	<0.01	0.09	1149	<1	0.05	<1	0.01	3	<2	<2	14	<5	<3	241
29121	0.6	6.82	<3	20	56	<3	2.87	<0.1	26	<1	132	4.09	<0.01	0.43	572	<1	0.37	<1	0.05	<2	<2	<2	155	<5	<3	172
29122	0.3	9.18	<3	<5	262	<3	2.73	<0.1	26	<1	9	4.57	<0.01	0.29	695	<1	0.47	<1	0.01	<2	<2	<2	146	<5	<3	93
Minimum Detection	0.1	0.01	3	5	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	10000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

(- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample *Au Analysis Done By Fire Assay Concentration / AAS Finish.

09/17/91 12:29 VGC NO.124 P002/002

VANGEOCHEMLAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 26 1991 ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L0+00 0+25E	0.7	2.43	<3	113	<3	0.52	<0.1	13	<1	25	3.17	<0.01	0.13	1773	<1	<0.01	<1	0.02	9	<2	<2	18	<5	<3	161
L0+00 0+50E	0.6	3.04	<3	129	<3	0.55	39.5	18	<1	43	3.54	<0.01	0.17	1453	<1	<0.01	<1	0.04	14	<2	<2	21	<5	<3	9229
L0+00 0+75E	0.4	1.61	<3	35	<3	0.03	1.8	8	<1	55	3.28	<0.01	0.04	435	<1	<0.01	<1	0.01	16	<2	6	6	<5	<3	320
L0+00 1+00E	0.9	3.23	<3	148	<3	0.28	<0.1	15	<1	105	6.77	<0.01	0.11	3029	<1	<0.01	<1	0.03	20	<2	<2	29	<5	<3	182
L0+00 1+25E	0.6	3.00	<3	236	<3	0.73	<0.1	17	<1	32	3.82	<0.01	0.14	1747	<1	0.01	<1	0.02	22	<2	<2	30	<5	<3	210
L0+00 1+50E	0.6	1.80	<3	82	<3	0.11	2.6	13	<1	52	3.19	<0.01	0.06	972	<1	0.01	<1	0.01	14	<2	5	9	<5	<3	103
L0+00 1+75E	0.5	5.06	<3	132	<3	0.43	<0.1	34	<1	59	4.37	<0.01	0.24	2637	<1	<0.01	<1	0.03	<2	<2	<2	26	<5	<3	244
L0+00 0+00W	0.7	3.94	<3	140	<3	0.30	<0.1	18	<1	45	4.08	<0.01	0.19	840	<1	<0.01	<1	0.01	8	<2	<2	15	<5	<3	253
L0+00 0+25W	0.8	6.46	<3	227	<3	4.11	<0.1	12	<1	23	2.53	<0.01	0.08	2227	<1	<0.01	<1	0.23	4	<2	<2	53	<5	<3	372
L0+00 0+50W	0.6	2.50	<3	212	<3	1.13	0.4	14	<1	23	3.27	<0.01	0.11	2427	<1	0.01	<1	0.03	18	<2	<2	27	<5	<3	187
L0+00 0+75W	0.6	3.96	<3	162	<3	1.19	0.6	14	<1	24	3.11	<0.01	0.12	1638	<1	<0.01	<1	0.04	8	<2	<2	31	<5	<3	237
L0+00 1+00W	0.6	4.77	<3	224	<3	0.55	<0.1	29	<1	67	4.20	<0.01	0.23	1430	<1	0.01	<1	0.03	19	<2	<2	50	<5	<3	314
L0+00 1+25W	0.8	7.00	<3	65	<3	0.57	1.4	12	<1	14	2.45	<0.01	0.04	325	<1	0.02	<1	0.02	<2	4	<2	23	<5	<3	113
L0+00 1+50W	0.8	5.09	<3	131	<3	0.32	<0.1	15	<1	25	3.21	<0.01	0.07	2887	<1	<0.01	<1	0.02	<2	<2	<2	14	<5	<3	233
L0+00 1+75W	1.3	4.92	<3	194	<3	0.62	0.1	18	<1	259	7.35	<0.01	0.12	3871	<1	<0.01	29	0.04	14	<2	<2	27	<5	<3	464
L0+00 2+00W	0.9	4.01	<3	161	<3	0.54	<0.1	31	<1	125	5.19	<0.01	0.24	3146	<1	<0.01	<1	0.03	4	<2	<2	25	<5	<3	285
L0+00 2+25W	1.9	7.11	<3	146	<3	0.27	<0.1	14	<1	32	5.52	<0.01	0.05	1086	<1	<0.01	<1	0.02	<2	<2	<2	18	<5	<3	129
L0+00 2+50W	0.9	5.43	<3	114	<3	0.20	<0.1	19	<1	38	4.28	<0.01	0.11	927	<1	<0.01	<1	0.02	<2	<2	<2	13	<5	<3	196
L1+00S 0+25E	0.8	4.44	<3	149	<3	0.27	<0.1	20	<1	44	4.17	<0.01	0.17	1353	<1	0.01	<1	0.02	15	<2	<2	16	<5	<3	204
L1+00S 0+50E	0.9	5.28	<3	164	<3	0.31	0.4	24	<1	52	4.67	<0.01	0.20	1551	<1	<0.01	<1	0.02	20	<2	<2	20	<5	<3	281
L1+00S 0+75E	1.0	4.45	<3	202	<3	0.17	<0.1	16	<1	34	3.73	<0.01	0.12	2194	<1	<0.01	<1	0.04	7	<2	<2	13	<5	<3	215
L1+00S 1+00E	0.3	1.77	<3	38	<3	0.02	0.4	10	<1	32	3.72	<0.01	0.04	336	<1	0.02	<1	0.01	14	<2	<2	5	<5	<3	87
L1+00S 1+25E	0.5	2.99	<3	155	<3	0.47	<0.1	22	<1	39	4.65	<0.01	0.15	5082	<1	<0.01	<1	0.02	46	<2	<2	24	<5	<3	186
L1+00S 1+50E	0.5	2.11	<3	183	<3	0.74	<0.1	18	<1	20	4.17	<0.01	0.09	1924	<1	<0.01	<1	0.01	32	<2	<2	32	<5	<3	207
L1+00S 1+75E	0.7	5.59	<3	308	<3	0.76	<0.1	19	<1	29	3.03	<0.01	0.18	834	<1	0.01	<1	0.02	<2	<2	<2	20	<5	<3	140
L1+00S 2+00E	0.7	3.58	<3	104	<3	2.18	0.5	17	<1	58	3.77	<0.01	0.20	2277	<1	0.02	<1	0.02	31	<2	<2	110	<5	<3	465
L1+00S 2+25E	0.6	2.99	<3	96	<3	0.14	<0.1	23	<1	18	6.18	<0.01	0.07	1747	<1	0.01	<1	0.01	46	<2	<2	15	<5	<3	192
L1+00S 0+00W	0.5	3.35	<3	153	<3	0.42	<0.1	23	<1	60	4.07	<0.01	0.25	1369	<1	0.06	<1	0.02	10	<2	<2	31	<5	<3	142
L1+00S 0+25W	1.0	3.25	<3	263	<3	0.39	<0.1	17	<1	57	5.55	<0.01	0.20	2562	<1	<0.01	<1	0.05	22	<2	<2	32	<5	<3	211
L1+00S 0+50W	0.7	3.85	<3	129	<3	0.27	<0.1	27	<1	120	5.35	<0.01	0.21	1692	<1	0.02	86	0.03	24	<2	<2	22	<5	<3	254
L1+00S 0+75W	1.0	3.27	<3	186	<3	0.33	<0.1	23	<1	64	4.83	<0.01	0.12	2912	<1	<0.01	<1	0.03	9	<2	<2	24	<5	<3	250
L1+00S 1+00W	1.0	3.79	<3	125	<3	0.31	<0.1	30	>1000	51	4.02	<0.01	0.16	919	<1	<0.01	352	0.04	<2	<2	<2	27	<5	<3	214
L1+00S 1+25W	1.0	4.21	<3	150	<3	0.75	<0.1	25	>1000	69	4.58	<0.01	0.17	3057	<1	<0.01	204	0.05	7	<2	<2	25	<5	<3	339
L1+00S 1+50W	0.8	4.84	<3	88	<3	0.34	0.4	13	85	45	3.29	<0.01	0.09	1880	<1	0.01	<1	0.02	<2	<2	<2	19	<5	<3	150
L1+00S 1+75W	1.0	5.68	<3	103	<3	0.15	<0.1	17	<1	43	3.13	<0.01	0.12	632	<1	0.01	<1	0.02	<2	<2	<2	12	<5	<3	173
L1+00S 2+00W	0.9	5.37	<3	115	<3	0.14	<0.1	16	<1	68	3.61	<0.01	0.11	795	<1	0.02	<1	0.02	<2	<2	<2	13	<5	<3	178
L1+00S 2+25W	0.5	5.35	<3	101	<3	0.13	<0.1	17	<1	50	4.99	<0.01	0.21	631	<1	0.01	<1	0.12	9	<2	<2	16	<5	<3	176
L1+00S 2+50W	0.6	4.88	<3	188	<3	0.14	0.3	21	<1	60	3.78	<0.01	0.23	1669	<1	<0.01	<1	0.03	<2	<2	<2	15	<5	<3	268
L2+00S 0+00E	1.1	5.29	<3	186	<3	1.24	1.0	18	<1	42	3.93	<0.01	0.10	689	<1	<0.01	<1	0.03	3	<2	<2	29	<5	<3	409
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

VANGEOCHEM LAB LIMITED
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 26 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L2+00S 0+25E	1.2	4.85	<3	208	<3	0.91	7.6	23	<1	44	5.21	<0.01	0.13	1293	<1	<0.01	6	0.02	87	<2	<2	33	<5	<3	3715
L2+00S 0+50E	0.6	5.38	<3	137	<3	0.59	0.7	26	<1	75	4.89	<0.01	0.34	970	<1	<0.01	<1	0.02	30	<2	<2	35	<5	<3	1478
L2+00S 0+75E	0.6	1.36	<3	97	<3	>10	12.9	9	<1	31	2.10	<0.01	0.13	831	<1	<0.01	<1	0.02	73	<2	<2	287	<5	<3	2991
L2+00S 1+00E	0.7	2.02	<3	143	<3	>10	10.1	14	<1	42	3.47	<0.01	0.16	1300	<1	<0.01	<1	0.02	81	<2	<2	235	<5	<3	2511
L2+00S 1+25E	1.0	3.46	<3	167	<3	2.47	5.7	12	<1	62	3.02	<0.01	0.12	911	<1	<0.01	5	0.03	95	<2	<2	83	<5	<3	2329
L2+00S 1+50E	0.2	0.78	<3	65	<3	>10	10.5	3	<1	11	0.88	<0.01	0.07	570	<1	<0.01	<1	0.01	17	<2	<2	299	<5	<3	1442
L2+00S 1+75E	0.8	3.80	<3	158	<3	2.66	6.4	15	<1	36	4.05	<0.01	0.09	853	<1	<0.01	<1	0.01	67	<2	<2	48	<5	<3	2418
L2+00S 2+00E	0.6	6.48	<3	166	<3	4.80	21.5	22	<1	54	4.56	<0.01	0.14	1493	<1	<0.01	54	0.01	120	<2	<2	70	<5	<3	3587
L2+00S 2+25E	0.6	6.39	<3	107	<3	9.59	4.3	14	<1	19	2.86	<0.01	0.08	625	<1	<0.01	<1	0.01	22	<2	<2	121	<5	<3	1692
L2+00S 2+50E	0.9	2.82	<3	139	<3	>10	8.0	13	<1	31	3.06	<0.01	0.15	1939	<1	<0.01	<1	0.03	32	<2	<2	162	<5	<3	2244
L3+00S 0+00E	0.4	2.09	<3	62	<3	0.45	1.8	8	<1	11	2.79	<0.01	0.07	336	<1	0.03	<1	0.01	10	<2	<2	16	<5	<3	145
L3+00S 0+25E	1.5	7.46	<3	198	<3	0.58	0.6	23	<1	76	4.09	<0.01	0.32	1567	<1	0.01	<1	0.04	<2	<2	<2	77	<5	<3	364
L3+00S 0+50E	0.8	5.10	<3	185	<3	0.54	<0.1	35	<1	103	5.39	<0.01	0.39	2441	<1	0.01	<1	0.04	3	<2	<2	41	<5	<3	325
L3+00S 0+75E	0.7	5.90	<3	140	<3	0.26	<0.1	22	<1	92	4.84	<0.01	0.20	3957	<1	<0.01	<1	0.02	<2	<2	<2	18	<5	<3	226
L3+00S 1+00E	0.7	4.29	<3	90	<3	0.54	<0.1	17	<1	19	4.06	<0.01	0.09	2112	<1	0.03	<1	0.02	39	<2	<2	25	<5	<3	211
L3+00S 1+25E	0.4	5.49	<3	199	<3	0.09	<0.1	20	<1	29	5.58	<0.01	0.15	921	<1	<0.01	1	0.01	56	<2	<2	9	<5	<3	2002
L3+00S 1+50E	0.7	5.35	<3	260	<3	0.39	<0.1	34	<1	26	7.10	<0.01	0.12	4788	<1	<0.01	<1	0.02	57	<2	<2	22	<5	<3	1096
L3+00S 1+75E	1.0	7.49	<3	238	<3	0.41	1.3	24	<1	37	5.19	<0.01	0.09	6554	<1	<0.01	<1	0.07	10	<2	<2	20	<5	<3	1875
L3+00S 2+00E	0.4	3.79	<3	129	<3	0.53	<0.1	20	<1	17	3.87	<0.01	0.10	1688	<1	0.02	<1	0.02	50	<2	<2	30	<5	<3	267
L4+00S 0+00E	1.1	2.99	<3	213	<3	0.73	<0.1	20	<1	34	4.55	<0.01	0.14	3386	<1	0.01	<1	0.03	25	<2	<2	41	<5	<3	231
L4+00S 0+25E	0.8	4.54	<3	139	<3	0.49	<0.1	13	<1	22	3.10	<0.01	0.08	2456	<1	0.02	<1	0.02	5	<2	<2	24	<5	<3	203
L4+00S 0+50E	0.3	1.60	<3	105	<3	0.10	<0.1	13	<1	21	4.05	<0.01	0.08	643	<1	0.04	<1	0.01	20	<2	<2	10	<5	<3	143
L4+00S 0+75E	0.6	6.70	<3	261	<3	0.48	0.3	28	<1	75	5.79	<0.01	0.15	4605	<1	<0.01	<1	0.03	<2	<2	<2	39	<5	<3	564
L4+00S 1+00E	0.3	2.04	<3	103	<3	0.36	<0.1	15	<1	14	4.14	<0.01	0.09	1407	<1	0.03	<1	0.01	26	<2	<2	18	<5	<3	204
L4+00S 1+25E	0.4	6.33	<3	124	<3	0.53	<0.1	34	<1	35	4.35	<0.01	0.16	2507	<1	0.05	<1	0.06	66	<2	<2	20	<5	<3	277
L4+00S 1+50E	0.6	1.88	<3	158	<3	0.68	<0.1	15	<1	20	3.65	<0.01	0.05	2833	<1	0.04	<1	0.02	37	<2	<2	30	<5	<3	137
L4+00S 1+75E	0.4	2.63	<3	44	<3	0.18	<0.1	10	<1	12	3.31	<0.01	0.02	900	<1	0.04	<1	0.01	10	<2	<2	11	<5	<3	53
L4+00S 2+00E	0.4	1.89	<3	61	<3	0.06	<0.1	13	<1	11	4.70	<0.01	0.05	1105	<1	0.03	<1	0.01	31	<2	<2	9	<5	<3	94
L4+00S 2+25E	0.4	3.95	<3	96	<3	0.11	<0.1	11	<1	8	3.87	<0.01	0.05	327	<1	0.04	<1	0.01	18	<2	<2	11	<5	<3	75
L4+00S 2+50E	0.4	5.53	<3	68	<3	0.05	<0.1	10	<1	5	3.46	<0.01	0.03	312	<1	0.03	<1	0.01	3	<2	<2	6	<5	<3	76
L5+00S 0+00E	0.3	2.59	<3	57	<3	0.05	<0.1	14	<1	15	3.68	<0.01	0.07	570	<1	0.04	<1	0.01	9	<2	<2	8	<5	<3	95
L5+00S 0+25E	0.6	2.13	<3	130	<3	0.18	<0.1	16	<1	15	3.76	<0.01	0.07	1889	<1	0.02	<1	0.02	14	<2	<2	13	<5	<3	153
L5+00S 0+50E	0.5	1.34	<3	73	<3	0.19	<0.1	8	<1	10	4.97	<0.01	0.03	425	<1	0.04	<1	0.01	32	<2	<2	15	<5	<3	87
L5+00S 0+75E	0.3	1.76	<3	73	<3	0.04	<0.1	13	<1	24	4.27	<0.01	0.10	336	<1	0.05	<1	0.01	18	<2	<2	9	<5	<3	102
L5+00S 1+00E	0.9	6.58	<3	432	<3	1.03	1.8	22	<1	134	2.96	<0.01	0.09	8594	<1	<0.01	<1	0.04	<2	<2	<2	49	<5	<3	341
L5+00S 1+25E	0.9	6.29	<3	412	<3	1.66	4.2	17	<1	50	3.09	<0.01	0.10	7009	<1	0.02	<1	0.04	<2	<2	<2	72	<5	<3	174
L5+00S 1+50E	0.5	4.99	<3	89	<3	0.24	<0.1	17	<1	12	4.43	<0.01	0.10	815	<1	0.01	<1	0.02	32	<2	<2	18	<5	<3	192
L5+00S 1+75E	0.6	6.81	<3	208	<3	0.42	<0.1	17	<1	35	4.10	<0.01	0.12	1343	<1	0.01	<1	0.02	2	<2	<2	22	<5	<3	258
L5+00S 2+00E	0.4	2.83	<3	89	<3	0.06	<0.1	10	<1	10	4.86	<0.01	0.05	481	<1	0.03	<1	0.01	33	<2	<2	9	<5	<3	91
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 26 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L5+00S 2+25E	0.4	4.02	<3	129	<3	0.21	0.4	18	<1	35	3.40	<0.01	0.16	1388	<1	0.03	<1	0.02	23	<2	<2	18	<5	<3	163
L6+00S 0+00E	0.4	1.85	<3	89	<3	0.08	0.1	11	<1	9	2.96	<0.01	0.06	609	<1	0.03	<1	0.01	26	<2	<2	8	<5	<3	89
L6+00S 0+50E	0.3	1.14	<3	43	<3	0.02	<0.1	12	<1	5	3.83	<0.01	0.02	705	<1	0.04	<1	0.01	34	<2	<2	6	<5	<3	64
L6+00S 1+00E	0.4	2.21	<3	95	<3	0.29	<0.1	14	<1	2	3.24	<0.01	0.06	1368	<1	0.02	<1	0.01	21	<2	<2	19	<5	<3	99
L6+00S 1+50E	0.4	3.25	<3	103	<3	0.10	<0.1	14	<1	8	3.21	<0.01	0.06	1752	<1	0.02	<1	0.01	26	<2	<2	9	<5	<3	132
L6+00S 2+00E	0.5	2.72	<3	59	<3	0.33	<0.1	9	<1	4	3.39	<0.01	0.04	871	<1	0.02	<1	0.01	15	<2	<2	17	<5	<3	72
L6+00S 2+50E	0.2	3.42	<3	71	<3	0.04	<0.1	13	<1	9	3.86	<0.01	0.04	798	<1	0.02	<1	0.02	27	<2	<2	7	<5	<3	99
L7+00S 0+00E	0.3	2.95	<3	144	<3	0.29	<0.1	18	<1	18	3.48	<0.01	0.13	1777	<1	0.02	<1	0.02	63	<2	<2	19	<5	<3	154
L7+00S 0+50E	0.4	2.45	<3	121	<3	0.17	<0.1	13	<1	11	4.10	<0.01	0.10	337	<1	0.03	<1	0.01	19	<2	<2	13	<5	<3	120
L7+00S 1+00E	0.4	4.95	<3	112	<3	0.10	<0.1	16	<1	19	5.30	<0.01	0.14	529	<1	0.03	<1	0.02	26	<2	<2	10	<5	<3	168
L7+00S 1+50E	0.3	3.21	<3	142	<3	0.26	<0.1	20	<1	25	4.07	<0.01	0.18	2238	<1	<0.01	<1	0.04	34	<2	<2	19	<5	<3	359
L7+00S 2+00E	0.3	2.08	<3	114	<3	0.07	<0.1	19	<1	24	4.43	<0.01	0.14	1908	<1	0.02	<1	0.01	41	<2	<2	9	<5	<3	154
L7+00S 2+50E	0.3	1.65	<3	63	<3	0.20	<0.1	22	<1	32	4.32	<0.01	0.11	502	<1	0.04	<1	0.02	59	<2	<2	16	<5	<3	136
L9+00S 0+00E	0.3	1.88	<3	68	<3	0.50	<0.1	8	<1	11	2.91	<0.01	0.05	286	<1	0.03	<1	0.01	20	<2	<2	19	<5	<3	109
L9+00S 0+50E	0.3	6.26	<3	79	<3	0.14	<0.1	16	<1	18	3.48	<0.01	0.09	504	<1	0.02	<1	0.01	19	<2	<2	11	<5	<3	230
L9+00S 1+00E	0.4	3.92	<3	126	<3	0.16	<0.1	23	<1	27	4.48	<0.01	0.14	1195	<1	0.04	<1	0.01	48	<2	<2	13	<5	<3	127
L9+00S 1+50E	0.3	3.22	<3	108	<3	1.43	0.1	12	<1	22	2.32	<0.01	0.10	1193	<1	0.03	<1	0.02	13	<2	<2	43	<5	<3	134
L10+00S 0+00E	0.3	3.15	<3	94	<3	0.87	<0.1	14	<1	20	2.95	<0.01	0.09	970	<1	0.04	<1	0.01	24	<2	<2	32	<5	<3	150
L10+00S 0+50E	0.3	3.53	<3	51	<3	0.05	<0.1	8	<1	5	2.36	<0.01	0.03	172	<1	0.03	<1	0.01	13	3	<2	7	<5	<3	77
L10+00S 1+00E	0.2	3.08	<3	71	<3	0.06	<0.1	14	<1	8	3.22	<0.01	0.05	372	<1	0.03	<1	<0.01	30	<2	<2	7	<5	<3	97
L10+00S 0+25W	0.5	4.44	<3	180	<3	1.54	0.4	17	<1	40	3.31	<0.01	0.13	3389	<1	0.02	<1	0.03	24	<2	<2	55	<5	<3	245
L10+00S 0+50W	0.3	3.38	<3	105	<3	0.42	<0.1	24	<1	43	4.64	<0.01	0.15	1243	<1	0.04	<1	0.02	79	<2	<2	24	<5	<3	220
L10+00S 0+75W	0.4	4.23	<3	100	<3	0.37	0.4	16	<1	25	3.25	<0.01	0.11	1276	<1	0.03	<1	0.03	22	<2	<2	21	<5	<3	168
L10+00S 1+00W	0.4	2.62	<3	81	<3	0.12	<0.1	13	<1	24	5.41	<0.01	0.10	523	<1	0.04	<1	0.02	39	<2	<2	13	<5	<3	126
L10+00S 1+25W	0.3	1.64	<3	68	<3	0.04	<0.1	9	<1	10	3.98	<0.01	0.07	539	<1	0.03	<1	0.01	27	<2	<2	8	<5	<3	119
L10+00S 1+50W	0.4	1.23	<3	136	<3	0.60	<0.1	10	<1	7	2.56	<0.01	0.06	1292	<1	0.03	<1	0.01	22	<2	<2	23	<5	<3	95
L10+00S 1+75W	0.4	4.49	<3	61	<3	0.04	<0.1	12	<1	9	3.25	<0.01	0.04	644	<1	0.03	<1	0.01	12	<2	<2	7	<5	<3	101
L10+00S 2+00W	0.3	1.71	<3	68	<3	0.07	0.2	9	<1	7	2.65	<0.01	0.04	595	<1	0.02	<1	0.01	17	<2	<2	7	<5	<3	110
L10+00S 2+25W	0.5	2.52	<3	84	<3	0.21	<0.1	13	<1	20	6.07	<0.01	0.10	1205	<1	0.03	<1	0.03	43	<2	<2	14	<5	<3	145
L10+00S 2+50W	0.4	2.10	<3	64	<3	0.14	<0.1	11	<1	11	4.39	<0.01	0.09	619	<1	0.02	<1	0.03	30	<2	<2	11	<5	<3	143
L10+00S 2+75W	0.4	2.31	<3	61	<3	0.12	0.1	12	<1	10	4.29	<0.01	0.07	762	<1	0.02	<1	0.02	26	<2	<2	9	<5	<3	102
L10+00S 3+00W	0.3	1.42	<3	118	<3	0.22	<0.1	10	<1	9	3.83	<0.01	0.04	933	<1	0.03	<1	0.04	29	<2	<2	16	<5	<3	96
L10+00S 3+25W	0.2	0.93	<3	71	<3	0.09	<0.1	11	<1	4	2.84	<0.01	0.03	360	<1	0.03	<1	0.01	22	<2	<2	8	<5	<3	78
L10+00S 3+50W	0.3	3.72	<3	225	<3	0.16	<0.1	15	<1	20	4.26	<0.01	0.10	1399	<1	0.03	<1	0.02	21	<2	<2	12	<5	<3	180
L10+00S 3+75W	0.4	2.77	<3	79	<3	0.25	<0.1	15	<1	16	3.49	<0.01	0.13	791	<1	0.03	<1	0.02	20	<2	<2	20	<5	<3	132
L10+00S 4+00W	0.4	1.43	<3	103	<3	0.34	<0.1	14	<1	11	3.33	<0.01	0.10	1069	<1	0.03	<1	0.02	23	<2	<2	17	<5	<3	124
L11+00S 0+00E	0.4	3.23	<3	106	<3	0.69	<0.1	17	<1	12	3.43	<0.01	0.10	1171	<1	0.02	<1	0.01	23	<2	<2	33	<5	<3	201
L11+00S 0+25E	0.6	6.04	<3	227	<3	1.36	<0.1	14	<1	83	2.35	<0.01	0.07	4900	<1	0.03	<1	0.05	5	2	<2	80	<5	<3	225
L11+00S 0+50E	0.3	9.01	<3	141	<3	1.74	<0.1	19	<1	18	3.59	<0.01	0.08	2115	<1	0.02	<1	0.02	8	7	<2	69	<5	<3	263
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less Than Minimum > = Greater Than Maximum is = Insufficient Sample

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 27 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L11+00S 0+75E	0.4	3.70	<3	91	<3	0.51	<0.1	16	<1	50	3.44	<0.01	0.07	1681	<1	0.02	2	0.02	18	<2	<2	24	<5	<3	164
L11+00S 1+00E	0.3	3.84	<3	93	<3	0.08	<0.1	18	<1	21	3.66	<0.01	0.08	1079	<1	0.01	<1	0.01	23	<2	<2	8	<5	<3	273
L11+00S 1+25E	<0.1	1.42	<3	55	<3	0.06	<0.1	14	<1	10	2.44	<0.01	0.03	998	<1	0.02	<1	0.01	18	<2	9	7	<5	<3	95
L11+00S 1+50E	0.3	4.84	<3	114	<3	0.84	<0.1	16	<1	87	2.53	<0.01	0.05	2017	<1	0.02	<1	0.02	7	<2	<2	36	<5	<3	156
L11+00S 1+75E	0.3	2.48	<3	85	<3	0.17	<0.1	17	<1	26	6.56	<0.01	0.07	1280	<1	0.01	<1	0.02	42	<2	<2	14	<5	<3	140
L11+00S 2+00E	0.3	3.87	<3	99	<3	0.09	<0.1	18	<1	17	5.89	<0.01	0.08	699	<1	0.02	<1	0.01	40	<2	<2	7	<5	<3	143
L11+00S 2+25E	0.1	2.47	<3	85	<3	0.19	<0.1	21	<1	34	4.74	<0.01	0.12	912	<1	0.03	<1	0.02	44	<2	<2	14	<5	<3	142
L11+00S 2+50E	0.1	1.86	<3	65	<3	0.09	<0.1	13	<1	20	4.22	<0.01	0.07	1264	<1	0.03	<1	0.01	36	<2	<2	9	<5	<3	97
L11+00S 0+25W	0.3	9.87	<3	86	<3	1.29	<0.1	17	<1	20	2.97	<0.01	0.05	832	<1	0.01	<1	0.02	<2	<2	<2	64	<5	<3	135
L11+00S 0+50W	0.7	4.65	<3	252	<3	1.66	<0.1	20	<1	86	4.26	<0.01	0.09	5110	<1	0.02	<1	0.03	53	<2	<2	74	<5	<3	256
L11+00S 0+75W	0.1	6.53	<3	107	<3	0.24	<0.1	22	<1	20	4.71	<0.01	0.09	786	<1	0.02	<1	0.02	27	<2	<2	16	<5	<3	166
L11+00S 1+00W	0.1	4.18	<3	171	<3	0.42	<0.1	25	<1	27	4.79	<0.01	0.12	2374	<1	0.01	<1	0.05	43	<2	<2	36	<5	<3	225
L11+00S 1+25W	0.1	2.94	<3	113	<3	0.13	<0.1	19	<1	41	4.81	<0.01	0.16	2144	<1	0.01	<1	0.02	28	<2	<2	12	<5	<3	161
L11+00S 1+50W	0.1	3.72	<3	93	<3	0.50	<0.1	17	<1	21	5.15	<0.01	0.08	1109	<1	0.03	<1	0.02	28	<2	<2	23	<5	<3	117
L11+00S 1+75W	<0.1	2.63	<3	113	<3	0.74	<0.1	15	<1	25	4.81	<0.01	0.07	819	<1	0.04	<1	0.02	35	<2	<2	35	<5	<3	145
L11+00S 2+00W	0.1	5.46	<3	178	<3	1.93	<0.1	13	<1	34	2.91	<0.01	0.09	3432	<1	0.02	<1	0.05	5	<2	<2	86	<5	<3	200
L11+00S 2+25W	0.2	5.15	<3	206	<3	0.83	<0.1	16	<1	38	3.61	<0.01	0.11	3659	<1	<0.01	<1	0.05	19	<2	<2	40	<5	<3	300
L11+00S 2+50W	<0.1	2.93	<3	116	<3	0.33	<0.1	17	<1	26	5.68	<0.01	0.12	1539	<1	0.01	<1	0.02	62	<2	<2	16	<5	<3	171
L11+00S 2+75W	<0.1	2.36	<3	185	<3	0.39	<0.1	17	<1	18	4.30	<0.01	0.13	1073	<1	0.02	<1	0.03	27	<2	<2	25	<5	<3	155
L11+00S 3+00W	0.1	2.49	<3	91	<3	0.31	<0.1	12	<1	15	4.88	<0.01	0.08	874	<1	0.04	<1	0.02	31	<2	<2	19	<5	<3	141
L11+00S 3+25W	<0.1	1.98	<3	106	<3	0.39	<0.1	19	<1	27	4.05	<0.01	0.14	1179	<1	0.02	22	0.02	29	<2	<2	21	<5	<3	141
L11+00S 3+50W	<0.1	2.60	<3	107	<3	0.31	<0.1	12	<1	8	3.24	<0.01	0.06	534	<1	0.04	<1	0.01	23	<2	<2	17	<5	<3	102
L11+00S 3+75W	0.2	4.77	<3	199	<3	0.53	<0.1	16	<1	16	3.63	<0.01	0.10	3747	<1	0.02	<1	0.02	18	<2	<2	26	<5	<3	142
L11+00S 4+00W	0.2	5.07	<3	202	<3	0.31	<0.1	19	<1	20	3.88	<0.01	0.10	1161	<1	0.04	<1	0.02	23	<2	<2	21	<5	<3	134
L12+00S 0+25E	<0.1	3.30	<3	96	<3	0.06	<0.1	13	<1	24	5.30	<0.01	0.06	692	<1	0.02	<1	0.02	35	<2	<2	7	<5	<3	108
L12+00S 0+50E	<0.1	4.06	<3	83	<3	0.10	<0.1	18	<1	35	5.49	<0.01	0.11	1191	<1	0.01	<1	0.02	37	<2	<2	9	<5	<3	158
L12+00S 0+75E	<0.1	2.42	<3	167	<3	0.26	<0.1	25	<1	37	5.51	<0.01	0.14	1960	<1	0.02	<1	0.03	59	<2	<2	23	<5	<3	189
L12+00S 1+00E	0.1	2.19	<3	113	<3	2.52	<0.1	20	<1	44	4.49	<0.01	0.35	1786	<1	0.03	<1	0.02	42	<2	<2	56	<5	<3	149
L12+00S 1+25E	0.2	1.97	<3	79	<3	0.16	<0.1	14	<1	21	4.31	<0.01	0.13	321	<1	0.03	<1	0.01	20	<2	<2	11	<5	<3	111
L12+00S 1+50E	0.3	3.84	<3	226	<3	0.23	<0.1	14	<1	14	4.59	<0.01	0.07	415	<1	0.02	<1	0.01	18	<2	<2	21	<5	<3	172
L12+00S 1+75E	0.4	4.14	<3	97	<3	0.05	<0.1	12	<1	25	7.42	<0.01	0.08	278	<1	0.01	<1	0.01	22	<2	<2	8	<5	<3	130
L12+00S 2+00E	0.4	3.74	<3	93	<3	0.73	<0.1	12	<1	15	5.62	<0.01	0.10	347	<1	0.02	<1	0.01	32	<2	<2	38	<5	<3	143
L12+00S 2+25E	0.2	1.99	<3	59	<3	0.22	<0.1	12	<1	18	3.73	<0.01	0.11	615	<1	0.02	<1	0.01	17	<2	<2	14	<5	<3	111
L12+00S 2+50E	0.3	1.85	<3	74	<3	0.14	<0.1	14	<1	21	5.62	<0.01	0.09	578	<1	0.03	<1	0.01	42	<2	<2	13	<5	<3	95
L12+00S 0+00W	0.3	1.50	<3	66	<3	0.17	<0.1	11	<1	15	4.18	<0.01	0.05	1149	<1	0.01	<1	0.01	28	<2	<2	11	<5	<3	91
L12+00S 0+25W	0.1	2.10	<3	92	<3	0.06	<0.1	15	<1	25	6.23	<0.01	0.10	591	<1	0.01	<1	0.01	35	<2	<2	9	<5	<3	195
L12+00S 0+50W	0.5	4.28	<3	73	<3	0.07	<0.1	16	<1	30	4.85	<0.01	0.07	818	<1	0.01	<1	0.02	28	<2	<2	8	<5	<3	143
L12+00S 0+75W	0.6	2.15	<3	70	<3	4.53	<0.1	8	<1	40	2.47	<0.01	0.13	3102	<1	<0.01	<1	0.05	18	<2	<2	37	<5	<3	255
L12+00S 1+00W	0.5	2.92	<3	151	<3	0.91	<0.1	18	<1	37	4.20	<0.01	0.15	3084	<1	0.01	<1	0.02	28	<2	<2	34	<5	<3	205
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 27 1991 | ATTENTION: MR. GEORGE CAVEY

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L12+00S 1+25W	0.3	3.22	<3	156	<3	0.65	<0.1	24	<1	55	5.31	<0.01	0.17	1973	<1	0.02	21	0.02	41	<2	<2	26	<5	<3	181
L12+00S 1+50W	0.3	2.71	<3	221	<3	0.46	<0.1	21	<1	45	5.10	<0.01	0.16	2646	<1	0.01	2	0.02	34	<2	<2	26	<5	<3	173
L12+00S 1+75W	0.3	4.09	<3	81	<3	0.07	<0.1	14	<1	21	3.57	<0.01	0.08	1644	<1	0.01	<1	0.01	13	<2	<2	8	<5	<3	133
L12+00S 2+00W	0.1	6.78	<3	74	<3	0.14	<0.1	18	<1	33	3.00	<0.01	0.07	947	<1	0.03	<1	0.01	<2	<2	<2	13	<5	<3	147
L12+00S 2+25W	0.3	5.28	<3	134	<3	0.71	<0.1	13	<1	27	3.24	<0.01	0.08	2992	<1	0.02	<1	0.04	9	<2	<2	39	<5	<3	186
L12+00S 2+50W	0.1	1.13	<3	56	<3	0.13	<0.1	10	<1	13	2.45	<0.01	0.03	422	<1	0.04	<1	0.02	17	<2	<2	12	<5	<3	71
L12+00S 2+75W	0.2	1.14	<3	108	<3	0.14	<0.1	10	<1	15	3.23	<0.01	0.05	830	<1	0.03	<1	0.01	20	<2	3	10	<5	<3	106
L12+00S 3+00W	0.4	6.23	<3	91	<3	0.30	<0.1	15	<1	18	3.94	<0.01	0.10	1205	<1	0.01	<1	0.02	12	<2	<2	15	<5	<3	202
L12+00S 3+25W	0.5	4.63	<3	99	<3	0.38	<0.1	12	<1	14	2.91	<0.01	0.02	991	<1	0.03	<1	0.02	9	<2	<2	27	<5	<3	86
L12+00S 3+50W	0.2	4.25	<3	133	<3	0.29	<0.1	15	<1	22	3.79	<0.01	0.09	3203	<1	0.01	9	0.03	14	<2	<2	20	<5	<3	199
L12+00S 3+75W	0.1	3.64	<3	83	<3	0.48	<0.1	11	<1	18	2.88	<0.01	0.07	1207	<1	0.03	<1	0.02	8	<2	<2	36	<5	<3	144
L12+00S 4+00W	0.2	3.72	<3	203	<3	0.59	<0.1	18	<1	27	4.15	<0.01	0.13	1938	<1	0.02	<1	0.02	24	<2	<2	41	<5	<3	173
L13+00S 0+25E	0.3	2.37	<3	104	<3	0.58	<0.1	12	<1	30	4.29	<0.01	0.11	770	<1	0.02	<1	0.02	20	<2	<2	28	<5	<3	182
L13+00S 0+50E	0.2	1.47	<3	54	<3	0.07	<0.1	14	<1	24	5.25	<0.01	0.05	1066	<1	0.02	<1	0.01	36	<2	<2	9	<5	<3	98
L13+00S 0+75E	0.3	3.33	<3	77	<3	0.14	<0.1	14	<1	18	4.59	<0.01	0.09	963	<1	0.01	<1	0.02	26	<2	<2	14	<5	<3	169
L13+00S 1+00E	0.1	1.46	<3	41	<3	0.06	<0.1	9	<1	14	4.54	<0.01	0.06	237	<1	0.02	<1	0.01	22	<2	<2	10	<5	<3	133
L13+00S 1+25E	0.2	2.74	<3	51	<3	0.07	<0.1	13	<1	18	4.80	<0.01	0.08	450	<1	0.01	<1	0.01	25	<2	<2	8	<5	<3	120
L13+00S 1+50E	0.2	3.18	<3	130	<3	0.22	<0.1	17	<1	27	4.19	<0.01	0.12	2195	<1	0.02	<1	0.02	28	<2	<2	22	<5	<3	189
L13+00S 1+75E	0.1	4.24	<3	61	<3	0.05	<0.1	7	<1	11	3.58	<0.01	0.03	206	<1	0.02	<1	0.01	13	<2	<2	13	<5	<3	63
L13+00S 2+00E	0.2	1.95	<3	73	<3	0.06	<0.1	16	<1	27	4.04	<0.01	0.14	870	<1	0.02	<1	0.01	20	<2	<2	8	<5	<3	103
L13+00S 2+25E	0.3	2.85	<3	177	<3	0.29	<0.1	15	<1	25	5.56	<0.01	0.08	1254	<1	0.01	12	0.01	34	<2	<2	22	<5	<3	167
L13+00S 2+50E	0.2	2.56	<3	110	<3	0.42	<0.1	19	<1	30	4.40	<0.01	0.13	1354	<1	0.03	<1	0.02	54	<2	<2	21	<5	<3	171
L13+00S 0+00W	1.0	3.04	<3	212	<3	1.20	4.3	16	<1	30	3.31	<0.01	0.07	7104	<1	<0.01	<1	0.03	20	<2	<2	43	<5	<3	327
L13+00S 0+50W	0.2	0.49	<3	126	<3	4.78	<0.1	3	<1	16	0.58	<0.01	0.08	1535	<1	0.01	<1	0.02	19	<2	8	97	<5	<3	94
L13+00S 1+00W	0.4	3.65	<3	153	<3	0.25	3.4	19	<1	28	4.62	<0.01	0.14	4838	<1	<0.01	<1	0.02	18	<2	<2	12	<5	<3	210
L13+00S 1+50W	0.3	6.68	<3	74	<3	0.03	<0.1	9	<1	7	3.20	<0.01	0.03	356	<1	0.03	<1	0.01	<2	<2	<2	6	<5	<3	50
L13+00S 2+00W	0.2	4.74	<3	111	<3	0.15	<0.1	13	<1	23	4.18	<0.01	0.11	535	<1	0.01	<1	0.02	30	<2	<2	11	<5	<3	152
L13+00S 2+50W	0.3	2.92	<3	116	<3	0.23	2.8	19	<1	55	5.61	<0.01	0.13	1276	<1	0.01	9	0.03	19	<2	<2	13	<5	<3	172
L13+00S 3+00W	0.3	1.70	<3	88	<3	0.67	<0.1	11	17	38	3.94	<0.01	0.15	397	<1	0.01	40	0.03	10	<2	<2	29	<5	<3	177
L13+00S 3+50W	0.3	2.57	<3	192	<3	0.71	3.5	23	26	71	4.95	<0.01	0.19	3491	<1	0.01	25	0.03	33	<2	<2	25	<5	<3	217
L13+00S 4+00W	0.1	2.81	<3	111	<3	0.13	<0.1	22	<1	51	5.93	<0.01	0.11	979	<1	0.01	1	0.02	35	<2	<2	12	<5	<3	136
L13+00S 4+50W	0.2	4.89	<3	201	<3	0.96	2.8	21	<1	44	4.35	<0.01	0.14	1497	<1	0.03	10	0.02	17	<2	<2	48	<5	<3	243
L14+00S 0+25E	0.3	1.63	<3	84	<3	5.97	2.0	14	<1	32	3.30	<0.01	0.22	1144	<1	0.02	<1	0.02	22	<2	<2	159	<5	<3	137
L14+00S 0+50E	0.4	1.82	<3	106	<3	>10	<0.1	13	136	33	2.98	<0.01	0.20	1472	<1	<0.01	31	0.02	20	<2	<2	246	<5	<3	152
L14+00S 0+75E	0.4	2.55	<3	125	<3	1.16	3.1	21	<1	45	4.46	<0.01	0.14	2458	<1	0.01	<1	0.02	39	<2	<2	72	<5	<3	173
L14+00S 1+00E	0.3	3.82	<3	144	<3	1.12	2.0	17	<1	40	4.20	<0.01	0.22	1476	<1	0.02	3	0.02	21	<2	<2	33	<5	<3	188
L14+00S 1+25E	0.2	2.02	<3	111	<3	0.50	<0.1	22	<1	33	4.77	<0.01	0.14	2826	<1	0.02	<1	0.02	72	<2	<2	37	<5	<3	162
L14+00S 1+50E	0.2	3.10	<3	87	<3	0.09	<0.1	24	<1	28	6.61	<0.01	0.10	1768	<1	0.02	<1	0.01	47	<2	<2	11	<5	<3	165
L14+00S 1+75E	0.2	3.87	<3	80	<3	0.19	2.1	12	<1	29	5.87	<0.01	0.11	588	<1	0.03	15	0.02	48	<2	<2	23	<5	<3	150
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Method

VANGEOCHEM LAB LIMITED
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 | DATE OUT: AUGUST 27 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L14+00S 2+00E	0.4	3.61	<3	75	<3	0.11	<0.1	11	<1	12	3.41	<0.01	0.03	355	<1	0.02	1	0.01	11	<2	<2	11	<5	<3	68
L14+00S 2+25E	0.2	2.06	<3	100	4	0.13	<0.1	22	<1	29	4.71	<0.01	0.11	761	<1	0.03	4	0.01	40	<2	<2	11	<5	<3	150
L14+00S 2+50E	0.3	3.08	<3	135	<3	0.14	2.4	25	<1	33	4.97	<0.01	0.10	1706	<1	0.03	5	0.01	56	<2	<2	11	<5	<3	168
L14+00S 0+00W	0.3	1.88	<3	83	8	1.32	<0.1	15	<1	29	3.37	<0.01	0.13	1440	<1	0.03	3	0.02	29	<2	<2	80	<5	<3	144
L14+00S 0+50W	0.2	1.63	<3	83	<3	4.21	<0.1	15	<1	35	3.43	<0.01	0.24	1318	<1	0.01	5	0.02	29	<2	<2	118	<5	<3	144
L14+00S 1+00W	0.3	2.79	<3	111	<3	0.86	3.1	33	>1000	43	4.38	<0.01	0.16	1305	<1	0.03	588	0.02	27	<2	<2	34	<5	<3	172
L14+00S 1+50W	0.5	1.98	<3	106	<3	0.58	2.3	18	36	36	4.14	<0.01	0.11	1780	<1	0.03	22	0.02	34	<2	<2	20	<5	<3	182
L14+00S 2+00W	0.3	1.88	<3	95	<3	0.27	2.1	15	124	20	5.08	<0.01	0.07	1039	<1	0.02	16	0.02	35	<2	<2	17	<5	<3	131
L14+00S 2+50W	0.5	3.04	<3	159	<3	0.12	3.1	14	47	27	4.07	<0.01	0.09	1919	<1	0.02	<1	0.02	23	<2	<2	9	<5	<3	197
L14+00S 3+00W	0.8	3.33	<3	84	<3	0.20	2.9	20	<1	38	5.10	<0.01	0.09	2664	<1	0.02	2	0.05	94	<2	<2	12	<5	<3	176
L14+00S 3+50W	0.6	1.12	<3	94	<3	0.19	<0.1	10	<1	21	2.78	<0.01	0.03	2485	<1	0.03	<1	0.01	19	<2	<2	14	<5	<3	82
L14+00S 4+00W	0.4	3.91	<3	133	<3	0.29	<0.1	34	<1	51	7.49	<0.01	0.18	1901	<1	0.02	20	0.03	61	<2	<2	20	<5	<3	201
L14+00S 4+50W	0.7	3.50	<3	103	<3	0.18	<0.1	21	<1	84	6.38	<0.01	0.13	2892	<1	0.01	14	0.04	30	<2	<2	11	<5	<3	254
L14+00S 5+00W	1.0	2.28	<3	96	<3	0.26	3.4	20	<1	76	5.92	<0.01	0.11	4078	<1	<0.01	9	0.04	29	<2	<2	18	<5	<3	253
L15+00S 0+00E	0.2	1.18	<3	60	<3	9.95	<0.1	16	<1	21	2.87	<0.01	0.35	989	<1	0.02	<1	0.01	42	<2	<2	253	<5	<3	111
L15+00S 0+25E	0.1	1.40	<3	68	<3	0.28	<0.1	18	<1	27	3.89	<0.01	0.08	2006	<1	0.01	<1	0.01	113	<2	<2	14	<5	<3	193
L15+00S 0+50E	0.5	1.91	<3	110	<3	2.63	<0.1	31	<1	136	6.42	<0.01	0.26	2149	<1	0.01	52	0.04	47	<2	<2	88	<5	<3	256
L15+00S 0+75E	0.4	2.02	<3	110	<3	1.06	0.1	30	<1	117	5.85	<0.01	0.26	1634	<1	0.02	49	0.03	41	<2	<2	44	<5	<3	226
L15+00S 1+00E	0.2	1.96	<3	125	<3	1.01	<0.1	30	<1	104	5.75	<0.01	0.25	1844	<1	0.01	49	0.03	41	<2	<2	46	<5	<3	231
L15+00S 1+25E	0.4	1.63	<3	139	<3	1.12	<0.1	30	<1	84	6.08	<0.01	0.18	3299	<1	<0.01	29	0.03	54	<2	<2	44	<5	<3	217
L15+00S 1+50E	0.5	2.00	<3	154	<3	0.74	<0.1	34	<1	106	6.59	<0.01	0.21	2273	<1	0.02	58	0.04	48	<2	<2	36	<5	<3	249
L15+00S 1+75E	0.2	2.31	<3	177	<3	0.25	<0.1	27	<1	67	6.32	<0.01	0.21	1596	<1	0.02	24	0.02	40	<2	<2	16	<5	<3	231
L15+00S 2+00E	0.5	1.53	<3	96	<3	3.80	<0.1	26	<1	98	5.52	<0.01	0.26	1449	<1	0.02	27	0.03	36	<2	<2	111	<5	<3	197
L15+00S 2+25E	0.3	1.71	<3	93	<3	4.70	<0.1	24	<1	93	5.28	<0.01	0.34	1671	<1	<0.01	35	0.03	27	<2	<2	135	<5	<3	197
L15+00S 2+50E	0.4	4.68	<3	181	3	0.58	3.1	28	<1	51	5.43	<0.01	0.14	1991	<1	0.01	18	0.03	20	<2	<2	27	<5	<3	229
L15+00S 0+00W	0.1	1.97	<3	134	<3	1.59	2.9	18	<1	24	3.90	<0.01	0.23	1577	<1	0.03	<1	0.02	67	<2	<2	45	<5	<3	139
L15+00S 0+50W	<0.1	1.21	<3	36	<3	0.16	<0.1	7	<1	14	2.47	<0.01	0.04	183	<1	0.03	<1	<0.01	9	<2	<2	10	<5	<3	62
L15+00S 1+00W	<0.1	0.14	16	70	8	3.96	0.4	<1	<1	10	0.17	<0.01	0.04	1042	<1	0.02	<1	0.02	19	<2	15	151	<5	<3	128
L15+00S 1+50W	<0.1	1.81	<3	91	<3	3.34	<0.1	10	<1	22	2.07	<0.01	0.10	1816	<1	0.02	<1	0.03	13	<2	<2	203	<5	<3	112
L15+00S 2+00W	0.5	2.11	<3	82	<3	0.39	<0.1	14	<1	24	5.82	<0.01	0.11	439	<1	0.02	<1	0.03	23	<2	<2	27	<5	<3	132
L15+00S 2+50W	<0.1	2.25	<3	102	<3	0.12	<0.1	16	<1	26	5.03	<0.01	0.12	1735	<1	0.02	<1	0.03	37	<2	<2	13	<5	<3	173
L15+00S 3+00W	<0.1	2.43	<3	130	<3	0.23	2.1	17	<1	28	4.61	<0.01	0.17	799	<1	0.02	<1	0.02	31	<2	<2	17	<5	<3	144
L15+00S 3+50W	0.3	3.96	<3	125	<3	0.14	<0.1	18	<1	33	6.06	<0.01	0.15	996	<1	0.02	<1	0.02	28	<2	<2	12	<5	<3	164
L15+00S 4+00W	0.1	1.04	<3	63	<3	0.14	<0.1	8	<1	19	3.11	<0.01	0.05	190	<1	0.04	<1	0.03	25	<2	<2	11	<5	<3	68
L15+00S 4+50W	0.3	2.21	<3	140	<3	0.64	<0.1	29	<1	79	5.78	<0.01	0.20	2325	<1	0.03	25	0.04	45	<2	<2	31	<5	<3	225
L15+00S 5+00W	0.2	1.73	<3	100	5	4.23	<0.1	23	<1	85	5.04	<0.01	0.27	1369	<1	0.02	36	0.03	35	<2	<2	127	<5	<3	197
L15+00S 5+50W	0.1	3.60	<3	143	<3	0.22	<0.1	18	<1	42	6.77	<0.01	0.15	368	<1	0.03	10	0.01	23	<2	<2	18	<5	<3	135
L15+00S 6+00W	0.5	1.79	<3	107	<3	0.08	<0.1	13	<1	37	4.78	<0.01	0.07	601	<1	0.03	<1	0.01	23	<2	<2	7	<5	<3	118
L16+00S BL000	0.1	2.33	<3	106	<3	0.10	<0.1	14	<1	44	5.23	<0.01	0.10	384	<1	0.03	<1	0.02	23	<2	<2	8	<5	3	125
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	10000

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 27 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L16+00S 0+50E	0.2	6.95	<3	102	<3	0.16	<0.1	16	<1	19	3.41	<0.01	0.04	652	<1	0.02	<1	0.01	11	<2	<2	9	<5	<3	101
L16+00S 1+00E	0.1	3.67	<3	71	<3	0.10	1.4	19	<1	27	4.52	<0.01	0.08	1275	<1	0.02	<1	0.02	34	<2	<2	9	<5	<3	136
L16+00S 1+50E	<0.1	2.56	<3	69	<3	0.34	1.5	13	<1	26	4.97	<0.01	0.10	804	<1	0.02	<1	0.02	39	<2	<2	22	<5	<3	106
L16+00S 2+00E	0.2	2.25	<3	128	<3	0.39	<0.1	18	<1	18	5.38	<0.01	0.09	1675	<1	0.02	<1	0.03	40	<2	<2	28	<5	<3	140
L16+00S 2+50E	0.2	4.17	<3	120	<3	0.60	1.4	21	<1	47	4.25	<0.01	0.11	3706	<1	0.01	<1	0.04	30	<2	<2	39	<5	<3	209
L17+00S 0+00E	<0.1	1.02	<3	38	<3	0.04	<0.1	10	<1	13	3.76	<0.01	0.03	465	<1	0.04	<1	0.01	24	<2	<2	8	<5	<3	63
L17+00S 0+50E	0.3	0.98	<3	49	<3	0.06	<0.1	12	<1	13	2.86	<0.01	0.01	229	7	0.04	46	0.01	18	<2	<2	8	<5	<3	46
L17+00S 1+00E	0.2	1.98	<3	56	<3	0.11	<0.1	20	<1	39	3.92	<0.01	0.09	1152	<1	0.03	<1	0.02	29	<2	<2	11	<5	<3	120
L17+00S 1+50E	0.3	0.99	<3	114	<3	0.48	<0.1	10	<1	23	4.45	<0.01	0.06	896	<1	0.03	<1	0.04	40	<2	<2	41	<5	<3	80
L17+00S 2+00E	0.1	0.79	<3	40	<3	0.04	<0.1	5	<1	16	2.27	<0.01	0.02	114	<1	0.03	<1	0.02	10	<2	<2	6	<5	<3	46
L17+00S 0+50W	0.3	5.07	<3	100	<3	0.09	1.7	18	<1	24	4.35	<0.01	0.09	1158	<1	<0.01	<1	0.02	23	<2	<2	9	<5	<3	124
L17+00S 1+00W	0.2	2.57	<3	103	<3	0.07	<0.1	13	<1	25	5.97	<0.01	0.08	354	<1	0.03	<1	0.01	22	<2	<2	8	<5	<3	110
L17+00S 1+50W	0.2	1.96	<3	115	<3	0.43	1.2	17	<1	26	4.47	<0.01	0.12	883	<1	0.03	<1	0.02	34	<2	<2	16	<5	<3	130
L18+00S 0+00	0.4	3.41	<3	54	<3	0.26	<0.1	13	<1	28	4.39	<0.01	0.08	1013	<1	0.02	<1	0.07	27	<2	<2	19	<5	<3	96
L18+00S 0+50E	0.2	0.76	<3	33	<3	0.28	<0.1	10	<1	22	4.30	<0.01	0.02	429	<1	0.05	<1	0.04	31	<2	<2	23	<5	<3	70
L18+00S 1+00E	0.1	1.20	<3	20	<3	0.08	1.0	10	<1	27	5.73	<0.01	0.05	373	<1	0.05	<1	0.04	31	<2	<2	11	<5	<3	91
L18+00S 1+50E	0.2	0.36	<3	20	<3	0.06	<0.1	5	<1	9	1.57	<0.01	0.01	93	<1	0.04	<1	0.01	7	<2	<2	8	<5	<3	36
L18+00S 2+00E	0.1	2.33	<3	58	<3	0.60	<0.1	18	<1	21	6.42	<0.01	0.06	1166	<1	0.02	<1	0.01	49	<2	<2	57	<5	<3	101
L18+00S 0+50W	0.1	0.89	<3	35	<3	0.03	<0.1	7	<1	19	4.41	<0.01	0.02	240	<1	0.04	<1	0.02	28	<2	<2	7	<5	<3	51
L18+00S 1+00W	0.2	0.87	<3	34	<3	0.10	<0.1	8	<1	19	3.95	<0.01	0.04	310	<1	0.03	<1	0.04	22	<2	<2	11	<5	<3	63
L18+00S 1+50W	0.2	2.29	<3	93	<3	0.09	1.1	11	<1	24	4.77	<0.01	0.11	424	<1	0.03	<1	0.01	22	<2	<2	9	<5	<3	105
L18+00S 2+00W	0.3	3.18	<3	91	<3	0.23	<0.1	34	<1	62	6.15	<0.01	0.18	2647	<1	0.03	19	0.03	57	<2	<2	21	<5	<3	172
L18+00S 2+50W	0.4	2.57	<3	267	<3	0.53	<0.1	29	<1	76	7.06	<0.01	0.20	2082	<1	0.02	1	0.03	57	<2	<2	40	<5	<3	234
L18+00S 3+00W	0.6	2.10	<3	104	<3	1.86	<0.1	31	<1	151	7.16	<0.01	0.21	3079	<1	<0.01	25	0.04	54	<2	<2	76	<5	<3	300
L18+00S 3+50W	0.6	4.48	<3	70	<3	2.20	5.5	111	<1	577	>10	<0.01	0.18	>20000	<1	<0.01	334	0.04	24	<2	<2	168	<5	<3	1084
L18+00S 4+00W	2.4	2.51	97	122	<3	0.57	<0.1	26	<1	516	>10	<0.01	0.12	11528	<1	<0.01	89	0.07	104	<2	<2	45	<5	<3	547
L18+00S 4+50W	0.6	1.95	<3	192	<3	0.45	<0.1	19	<1	196	6.89	<0.01	0.16	1598	<1	0.01	3	0.06	50	<2	<2	30	<5	<3	315
L18+00S 5+00W	0.5	2.50	<3	203	<3	0.62	<0.1	27	<1	131	6.86	<0.01	0.17	5136	<1	<0.01	7	0.05	63	<2	<2	34	<5	<3	288
L18+00S 5+50W	0.8	2.29	<3	319	<3	0.24	<0.1	33	<1	71	6.51	<0.01	0.15	2692	<1	0.01	<1	0.04	67	<2	<2	17	<5	<3	229
L19+00S 0+50E	0.2	1.76	<3	105	<3	0.90	<0.1	16	<1	18	5.53	<0.01	0.08	1796	<1	0.02	<1	0.03	38	<2	<2	42	<5	<3	145
L19+00S 1+00E	0.2	1.85	<3	78	<3	0.34	1.2	19	<1	23	4.56	<0.01	0.09	943	<1	0.03	<1	0.02	31	<2	<2	22	<5	<3	117
L19+00S 1+50E	0.3	0.80	<3	24	<3	0.03	<0.1	6	<1	8	1.92	<0.01	0.02	148	<1	0.03	<1	<0.01	9	<2	<2	6	<5	<3	44
L19+00S 2+00E	0.2	2.48	<3	110	<3	0.13	<0.1	17	<1	20	4.47	<0.01	0.15	609	<1	0.02	<1	0.01	32	<2	<2	12	<5	<3	116
L19+00S 2+50E	0.3	2.30	<3	82	<3	0.11	<0.1	13	<1	26	5.88	<0.01	0.09	374	<1	0.02	<1	0.01	26	<2	<2	9	<5	<3	102
L19+00S 0+00W	0.1	1.12	<3	33	<3	0.05	<0.1	7	<1	9	3.76	<0.01	0.04	332	<1	0.04	<1	0.01	19	<2	<2	7	<5	<3	65
L19+00S 0+50W	0.2	1.33	<3	42	<3	0.06	<0.1	8	<1	21	3.73	<0.01	0.04	354	<1	0.03	<1	0.01	17	<2	<2	7	<5	<3	72
L19+00S 1+00W	0.1	1.30	<3	35	<3	0.03	1.5	12	<1	17	5.91	<0.01	0.05	797	<1	0.02	<1	0.02	38	<2	<2	7	<5	<3	119
L19+00S 1+50W	0.4	1.45	<3	117	<3	0.30	1.4	15	<1	24	4.08	<0.01	0.09	1751	<1	0.02	<1	0.02	39	<2	<2	19	<5	<3	125
L19+00S 2+00W	0.2	2.51	<3	135	<3	0.31	2.0	13	<1	28	5.04	<0.01	0.18	633	<1	0.03	<1	0.01	28	<2	<2	25	<5	<3	139
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

VANGEOCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 27 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L19+00S 2+50W	<0.1	2.15	<3	271	<3	0.76	2.6	23	<1	36	4.87	<0.01	0.12	5664	<1	<0.01	<1	0.02	39	<2	<2	49	<5	<3	181
L19+00S 3+00W	0.1	0.16	11	40	<3	4.89	<0.1	<1	<1	8	0.31	<0.01	0.02	288	<1	<0.01	<1	0.01	28	<2	<2	23	160	<5	<3	135
L19+00S 3+50W	0.4	1.75	<3	125	<3	1.00	<0.1	32	<1	117	6.33	<0.01	0.20	2767	<1	<0.01	<1	0.04	44	<2	<2	54	<5	<3	311
L19+00S 3+75W	0.3	1.72	<3	101	<3	0.66	<0.1	32	<1	100	5.37	<0.01	0.21	1243	3	<0.01	87	0.03	41	<2	<2	37	<5	<3	233
L20+00S 0+50E	0.3	1.80	<3	49	<3	0.08	<0.1	9	<1	32	5.28	<0.01	0.04	996	<1	0.02	<1	0.02	24	<2	<2	7	<5	<3	104
L20+00S 1+00E	0.3	3.66	<3	111	<3	0.37	<0.1	17	<1	19	6.58	<0.01	0.10	2389	<1	<0.01	<1	0.02	99	<2	<2	20	<5	<3	139
L20+00S 1+50E	0.1	2.06	<3	53	<3	0.06	<0.1	14	<1	32	4.20	<0.01	0.05	589	<1	0.01	<1	0.03	17	<2	<2	7	<5	<3	90
L20+00S 2+00E	0.1	1.67	<3	140	<3	0.32	1.2	18	<1	28	4.77	<0.01	0.10	1372	<1	0.02	<1	0.01	29	<2	<2	20	<5	<3	113
L20+00S 2+50E	<0.1	2.08	<3	62	<3	0.30	<0.1	12	<1	21	5.37	<0.01	0.08	590	<1	0.02	<1	0.01	35	<2	<2	15	<5	<3	128
L20+00S 0+00W	<0.1	0.97	<3	69	<3	0.03	<0.1	3	<1	11	2.79	<0.01	0.02	274	<1	0.02	<1	0.01	6	<2	<2	5	<5	<3	62
L20+00S 0+50W	<0.1	1.82	<3	61	<3	0.10	<0.1	8	<1	15	3.67	<0.01	0.07	560	<1	0.02	<1	0.02	10	<2	<2	10	<5	<3	79
L20+00S 1+00W	0.2	2.70	<3	91	<3	0.55	<0.1	28	<1	55	5.26	<0.01	0.14	1960	<1	0.02	<1	0.02	37	<2	<2	44	<5	<3	163
L20+00S 1+50W	0.1	1.39	<3	55	<3	0.05	<0.1	11	<1	17	5.31	<0.01	0.06	799	<1	0.02	<1	0.02	27	<2	<2	7	<5	<3	88
L20+00S 2+00W	0.2	1.91	<3	46	<3	0.08	<0.1	10	<1	15	4.93	<0.01	0.05	509	<1	0.03	<1	0.02	27	<2	<2	9	<5	<3	95
L20+00S 2+50W	0.2	0.85	<3	28	<3	0.11	<0.1	10	<1	19	3.92	<0.01	0.04	371	<1	0.03	<1	0.01	20	<2	<2	8	<5	<3	94
L20+00S 3+00W	0.1	0.55	<3	18	<3	0.05	<0.1	9	<1	12	1.80	<0.01	0.01	122	4	0.03	<1	0.01	<2	<2	<2	6	<5	<3	57
L20+00S 3+50W	0.2	0.73	<3	38	<3	0.05	<0.1	6	<1	14	2.08	<0.01	0.01	233	<1	0.03	<1	0.01	9	<2	3	4	<5	<3	57
L20+00S 4+00W	<0.1	1.46	<3	77	<3	0.45	1.3	17	<1	27	4.37	<0.01	0.13	2411	<1	<0.01	<1	0.02	37	<2	<2	25	<5	<3	169
L21+00S 0+00	0.2	2.24	<3	66	<3	0.08	<0.1	17	<1	22	5.57	<0.01	0.06	1074	<1	0.02	<1	0.03	22	<2	<2	10	<5	<3	121
L21+00S 0+50E	0.1	1.85	<3	36	<3	0.12	<0.1	22	<1	32	6.96	<0.01	0.09	1045	<1	0.01	<1	0.01	51	<2	<2	9	<5	<3	114
L21+00S 1+00E	0.2	2.22	<3	29	<3	0.12	<0.1	40	<1	51	5.50	<0.01	0.17	1625	<1	0.01	<1	0.01	45	<2	<2	8	<5	<3	145
L21+00S 1+50E	0.2	1.89	<3	64	<3	0.16	<0.1	29	<1	39	5.70	<0.01	0.14	1245	<1	0.01	<1	0.01	32	<2	<2	12	<5	<3	132
L21+00S 2+00E	0.2	2.33	<3	124	<3	0.03	<0.1	11	<1	37	5.92	<0.01	0.10	310	<1	0.02	<1	0.01	32	<2	<2	5	<5	<3	86
L21+00S 0+50W	0.3	2.05	<3	53	<3	0.05	<0.1	10	<1	26	5.44	<0.01	0.08	729	<1	0.02	<1	0.04	32	<2	<2	13	<5	<3	95
L21+00S 1+00W	0.3	1.18	<3	50	<3	0.03	<0.1	7	<1	7	2.82	<0.01	0.03	208	<1	0.02	<1	0.01	18	<2	<2	5	<5	<3	48
L21+00S 1+50W	0.2	1.68	<3	70	<3	0.10	1.2	17	<1	22	4.80	<0.01	0.12	922	<1	0.01	<1	0.01	37	<2	<2	10	<5	<3	100
L21+00S 2+00W	0.1	4.02	<3	61	<3	0.08	<0.1	11	<1	19	3.38	<0.01	0.05	330	<1	0.02	<1	0.01	15	<2	<2	10	<5	<3	67
L21+00S 2+50W	0.1	3.72	<3	85	<3	0.13	<0.1	24	<1	32	5.23	<0.01	0.08	619	<1	0.02	<1	0.02	26	<2	<2	17	<5	<3	123
L21+00S 3+00W	0.6	3.20	202	131	<3	1.54	<0.1	27	<1	350	>10	<0.01	0.11	4445	<1	<0.01	9	0.21	48	<2	<2	115	<5	<3	333
L21+00S 3+50W	0.4	1.47	<3	46	<3	0.08	<0.1	7	<1	29	5.91	<0.01	0.02	259	<1	0.03	<1	0.02	30	<2	<2	12	<5	<3	75
L21+00S 4+00W	0.3	2.32	<3	86	<3	0.50	<0.1	29	<1	27	5.39	<0.01	0.09	3965	<1	0.01	<1	0.02	32	<2	<2	30	<5	<3	127
L21+00S 4+50W	0.3	2.40	<3	93	<3	0.17	<0.1	16	<1	23	4.42	<0.01	0.09	760	<1	0.01	<1	0.02	25	<2	<2	13	<5	<3	95
L21+00S 5+00W	0.4	1.99	<3	55	<3	0.04	<0.1	7	<1	20	6.31	<0.01	0.05	455	<1	0.01	<1	0.01	26	<2	<2	8	<5	<3	85
L21+00S 5+50W	0.5	2.32	<3	94	<3	0.38	<0.1	41	<1	88	6.40	<0.01	0.24	1477	<1	0.01	<1	0.03	78	<2	<2	29	<5	<3	261
BR L200S 0+25W	0.8	5.19	<3	327	<3	0.92	<0.1	28	<1	137	6.45	<0.01	0.33	5405	<1	<0.01	<1	0.06	32	<2	<2	47	<5	<3	428
BR L200S 0+50W	0.6	4.19	<3	597	<3	0.92	<0.1	28	<1	67	5.79	<0.01	0.29	3122	<1	0.01	44	0.06	75	<2	<2	58	<5	<3	307
BR L200S 0+75W	0.4	3.39	<3	125	<3	0.28	1.7	16	<1	31	3.41	<0.01	0.10	1197	<1	0.03	<1	0.02	11	<2	<2	24	<5	<3	129
BR L200S 1+00W	0.6	5.08	<3	393	<3	0.87	0.2	34	<1	120	6.38	<0.01	0.30	2466	<1	<0.01	31	0.05	15	<2	<2	86	<5	<3	452
BR L200S 1+25W	0.3	5.62	<3	190	<3	0.35	<0.1	38	287	161	6.52	<0.01	0.45	952	<1	<0.01	154	0.03	35	<2	<2	39	<5	<3	403
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 DATE OUT: AUGUST 28 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BR L200S 1+50W	0.6	2.83	48	179	<3	0.34	<0.1	18	<1	257	5.67	<0.01	0.14	2409	<1	<0.01	41	0.02	14	<2	<2	26	<5	<3	282
BR L200S 1+75S	0.2	4.55	<3	130	<3	0.28	<0.1	24	<1	77	3.66	<0.01	0.24	438	<1	0.02	29	0.02	7	<2	<2	19	<5	<3	205
BR L200S 2+25W	0.3	5.42	<3	77	<3	0.50	<0.1	14	<1	30	3.35	<0.01	0.14	321	<1	0.03	<1	0.01	<2	<2	<2	22	<5	<3	165
BR L200S 2+50W	0.4	3.24	<3	117	<3	0.30	0.2	18	<1	38	3.87	<0.01	0.15	810	<1	0.02	<1	0.02	9	<2	<2	17	<5	<3	137
BR L200S 2+70W	0.3	3.49	<3	97	<3	0.49	<0.1	16	<1	48	3.11	<0.01	0.21	1706	<1	0.03	<1	0.03	2	<2	<2	24	<5	<3	171
BR L300S 0+25W	0.5	2.21	<3	153	<3	0.23	<0.1	13	<1	31	2.75	<0.01	0.14	2774	<1	0.01	<1	0.02	10	<2	<2	18	<5	<3	143
BR L300S 0+50W	0.3	5.24	<3	111	<3	0.12	<0.1	11	<1	15	2.05	<0.01	0.07	470	<1	0.02	<1	0.02	<2	<2	<2	11	<5	<3	153
BR L300S 0+75W	0.2	4.37	<3	112	<3	0.32	<0.1	13	<1	9	2.10	<0.01	0.06	480	<1	0.03	<1	0.01	<2	<2	<2	18	<5	<3	90
BR L300S 1+00W	0.3	4.22	<3	138	<3	0.25	<0.1	18	<1	51	3.08	<0.01	0.24	482	<1	0.03	<1	0.02	<2	<2	<2	19	<5	<3	160
BR L300S 1+25W	0.7	4.30	<3	468	<3	0.45	0.5	17	<1	54	3.17	<0.01	0.21	1763	<1	0.02	<1	0.03	<2	<2	<2	39	<5	<3	205
BR L300S 1+50W	0.5	4.16	<3	230	<3	0.38	0.1	21	<1	77	3.73	<0.01	0.24	604	<1	0.03	<1	0.04	10	<2	<2	36	<5	<3	254
BR L300S 1+75W	0.2	6.46	<3	112	<3	0.51	<0.1	24	<1	80	4.00	<0.01	0.27	555	<1	<0.01	<1	0.06	3	<2	<2	21	<5	<3	232
BR L300S 2+25W	0.7	4.13	<3	101	<3	1.30	0.9	10	<1	25	1.65	<0.01	0.05	1801	<1	0.04	<1	0.02	<2	<2	<2	52	<5	<3	90
BR L300S 2+50W	0.4	3.67	<3	132	<3	1.49	1.9	10	<1	58	1.93	<0.01	0.08	2590	<1	0.04	<1	0.04	<2	<2	<2	57	<5	<3	137
BR L400S BL000	0.3	2.07	<3	66	<3	0.33	<0.1	19	<1	38	3.84	<0.01	0.13	1348	<1	0.05	<1	0.02	42	<2	<2	20	<5	<3	137
BR L400S 0+25W	0.4	3.65	<3	168	<3	0.33	0.4	16	<1	21	2.77	<0.01	0.08	2705	<1	0.02	<1	0.02	5	<2	<2	19	<5	<3	287
BR L400S 0+50W	0.4	4.28	<3	103	<3	0.14	<0.1	15	<1	30	3.41	<0.01	0.13	583	<1	0.01	<1	0.02	<2	<2	<2	13	<5	<3	188
BR L400S 0+75W	0.5	3.79	<3	187	<3	0.15	<0.1	17	<1	47	3.42	<0.01	0.11	2028	<1	0.04	<1	0.02	4	<2	<2	14	<5	<3	174
BR L400S 1+00W	0.5	3.26	<3	312	<3	0.35	<0.1	20	<1	27	3.43	<0.01	0.11	2749	<1	0.01	<1	0.04	2	<2	<2	28	<5	<3	236
BR L400S 1+25W	0.3	3.42	<3	145	<3	0.24	<0.1	16	<1	29	3.11	<0.01	0.14	3475	<1	<0.01	<1	0.02	15	<2	<2	19	<5	<3	171
BR L400S 1+50W	0.4	4.62	<3	229	<3	0.43	<0.1	21	<1	80	3.43	<0.01	0.31	1417	<1	0.01	<1	0.03	<2	<2	<2	31	<5	<3	241
BR L400S 1+75W	0.4	6.28	<3	123	<3	0.61	<0.1	23	<1	122	4.78	<0.01	0.26	1353	<1	<0.01	<1	0.03	<2	<2	<2	29	<5	<3	235
BR L400S 2+00W	0.1	2.32	<3	60	<3	0.05	<0.1	12	<1	18	3.93	<0.01	0.08	325	<1	0.04	<1	0.01	11	<2	<2	8	<5	<3	98
BR L400S 2+25W	0.2	2.77	<3	51	<3	0.14	<0.1	15	<1	24	4.67	<0.01	0.15	578	<1	0.05	<1	0.02	15	<2	<2	12	<5	<3	101
BR L400S 2+50W	0.1	2.46	<3	60	<3	0.08	<0.1	12	<1	22	4.62	<0.01	0.11	464	<1	0.05	<1	0.02	13	<2	<2	10	<5	<3	113
BR L400S 2+75W	0.3	2.95	<3	67	<3	0.03	<0.1	10	<1	18	3.49	<0.01	0.04	1301	<1	0.01	<1	0.15	10	<2	<2	8	<5	<3	96
BR L400S 3+00W	0.2	2.50	<3	113	<3	0.07	<0.1	16	<1	21	3.98	<0.01	0.09	1587	<1	0.04	<1	0.03	23	<2	<2	10	<5	<3	130
BR L500S 0+25W	0.4	7.72	<3	240	<3	0.48	<0.1	20	<1	48	3.28	<0.01	0.16	1901	<1	0.02	<1	0.03	<2	<2	<2	29	<5	<3	206
BR L500S 0+50W	0.4	5.23	<3	95	<3	0.34	<0.1	12	<1	24	2.60	<0.01	0.05	1665	<1	0.02	<1	0.03	<2	<2	<2	17	<5	<3	123
BR L500S 0+75W	0.4	2.58	<3	68	<3	0.08	<0.1	20	97	15	3.31	<0.01	0.06	875	9	0.02	64	0.02	12	<2	<2	9	<5	<3	118
BR L500S 1+00W	0.3	2.58	<3	189	<3	0.31	<0.1	24	315	62	3.39	<0.01	0.24	1325	<1	0.03	122	0.02	11	<2	<2	22	<5	<3	157
BR L500S 1+25W	0.2	3.02	<3	121	<3	0.18	<0.1	20	<1	32	3.54	<0.01	0.13	671	<1	0.05	<1	0.02	19	<2	<2	14	<5	<3	161
BR L500S 1+50W	0.1	2.50	<3	114	<3	0.21	<0.1	28	304	58	4.85	<0.01	0.16	1033	5	0.05	112	0.03	24	<2	<2	19	<5	<3	162
BR L500S 1+75W	0.9	4.78	<3	428	<3	0.45	0.4	26	<1	127	5.82	<0.01	0.33	6261	<1	<0.01	28	0.04	14	<2	<2	67	<5	<3	360
BR L500S 2+00W	0.8	5.15	<3	136	<3	0.30	0.4	14	<1	30	2.90	<0.01	0.07	2625	<1	0.01	<1	0.03	<2	<2	<2	20	<5	<3	161
BR L500S 2+25W	0.2	5.33	<3	208	<3	0.36	<0.1	18	<1	36	3.61	<0.01	0.14	5587	<1	<0.01	<1	0.03	<2	<2	<2	15	<5	<3	391
BR L500S 2+50W	0.2	5.99	<3	64	<3	0.19	<0.1	8	<1	20	2.82	<0.01	0.10	541	<1	0.02	<1	0.02	<2	<2	<2	15	<5	<3	91
BR L500S 2+75W	0.3	3.22	<3	106	<3	0.11	<0.1	16	<1	31	5.07	<0.01	0.13	571	<1	0.06	8	0.02	13	<2	<2	14	<5	<3	161
BR L500S 3+00W	0.4	2.46	<3	97	<3	0.33	0.6	9	<1	15	3.89	<0.01	0.04	875	<1	0.03	<1	0.08	16	<2	<2	25	<5	<3	78
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEMLABS
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 | DATE OUT: AUGUST 28 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
BR L600S 0+50W	0.5	3.70	<3	105	<3	0.11	0.1	10	<1	15	2.53	<0.01	0.05	917	<1	0.05	<1	0.01	<2	<2	<2	10	<5	<3	110
BR L600S 0+75W	<0.1	1.92	<3	79	<3	0.11	<0.1	11	<1	19	3.02	<0.01	0.09	506	<1	0.08	<1	0.01	11	<2	<2	10	<5	<3	94
BR L600S 1+00W	<0.1	4.62	<3	169	<3	0.36	<0.1	16	<1	15	3.25	<0.01	0.08	911	<1	0.06	<1	0.02	5	<2	<2	20	<5	<3	131
BR L600S 1+25W	0.3	2.26	<3	129	<3	0.08	<0.1	16	<1	20	3.89	<0.01	0.10	597	<1	0.07	<1	0.02	17	<2	<2	12	<5	<3	131
BR L600S 1+50W	0.1	2.84	<3	131	<3	0.26	<0.1	19	<1	40	3.49	<0.01	0.17	1736	<1	0.06	<1	0.02	15	<2	<2	20	<5	<3	175
BR L600S 1+75W	0.3	2.15	<3	81	<3	0.14	<0.1	15	<1	35	3.98	<0.01	0.12	1340	<1	0.05	<1	0.03	19	<2	<2	12	<5	<3	169
BR L600S 2+00W	0.3	1.92	<3	105	<3	0.17	0.5	7	<1	14	2.24	<0.01	0.03	820	<1	0.05	<1	0.01	7	<2	<2	15	<5	<3	81
BR L600S 2+25W	0.1	2.03	<3	88	<3	0.12	<0.1	12	<1	31	3.34	<0.01	0.11	351	<1	0.07	<1	0.02	9	<2	<2	12	<5	<3	96
BR L600S 2+50W	<0.1	2.24	<3	67	<3	0.19	<0.1	11	<1	15	3.53	<0.01	0.03	363	<1	0.06	<1	0.06	15	<2	3	16	<5	<3	80
BR L600S 2+75W	<0.1	2.68	<3	120	<3	0.27	<0.1	20	<1	24	3.98	<0.01	0.09	2973	<1	0.04	<1	0.04	29	<2	<2	19	<5	<3	205
BR L600S 3+00W	0.1	1.70	<3	83	<3	0.13	<0.1	14	<1	22	4.27	<0.01	0.07	1348	<1	0.06	<1	0.03	32	<2	<2	13	<5	<3	103
BR L600S 3+25W	<0.1	0.98	<3	60	<3	0.08	<0.1	11	<1	16	2.33	<0.01	0.06	461	<1	0.08	<1	0.01	12	<2	<2	10	<5	<3	77
BR L600S 3+50W	0.6	6.17	<3	89	<3	0.21	<0.1	16	<1	36	3.10	<0.01	0.08	1272	<1	0.05	<1	0.04	<2	<2	<2	16	<5	<3	152
BR L700S 0+50W	0.2	2.25	<3	169	<3	1.00	0.5	20	<1	37	3.33	<0.01	0.18	1329	<1	0.07	<1	0.02	111	<2	<2	40	<5	<3	192
BR L700S 0+75W	0.1	4.48	<3	157	<3	0.23	<0.1	18	<1	40	3.57	<0.01	0.18	849	<1	0.06	<1	0.02	18	<2	<2	16	<5	<3	175
BR L700S 1+00W	<0.1	2.36	<3	269	<3	0.15	<0.1	14	<1	13	2.99	<0.01	0.07	2307	<1	0.06	<1	0.01	15	<2	<2	13	<5	<3	133
BR L700S 1+25W	0.2	2.50	<3	169	<3	0.48	<0.1	15	<1	24	2.81	<0.01	0.10	1205	<1	0.08	<1	0.02	21	<2	<2	25	<5	<3	134
BR L700S 1+50W	0.1	3.30	<3	125	<3	0.37	<0.1	24	<1	35	4.20	<0.01	0.15	933	<1	0.08	<1	0.03	40	<2	<2	26	<5	<3	184
BR L700S 1+75W	<0.1	2.50	<3	85	<3	0.21	<0.1	21	<1	32	4.14	<0.01	0.15	905	<1	0.09	<1	0.02	20	<2	<2	15	<5	<3	135
BR L700S 2+00W	0.1	2.75	<3	114	<3	0.71	<0.1	16	<1	28	3.05	<0.01	0.16	1108	<1	0.08	<1	0.02	10	<2	<2	22	<5	<3	125
BR L700S 2+25W	<0.1	2.56	<3	169	<3	0.28	<0.1	17	<1	32	3.62	<0.01	0.14	2373	<1	0.05	<1	0.02	25	<2	<2	17	<5	<3	200
BR L700S 2+50W	0.1	2.14	<3	113	<3	0.28	<0.1	16	<1	20	3.60	<0.01	0.12	1197	<1	0.07	<1	0.02	18	<2	<2	17	<5	<3	138
BR L700S 2+75W	<0.1	2.78	<3	97	<3	0.05	<0.1	9	<1	13	3.60	<0.01	0.10	291	<1	0.07	<1	0.01	5	<2	<2	8	<5	<3	96
BR L700S 3+00W	<0.1	1.75	<3	101	<3	0.12	<0.1	20	<1	20	3.46	<0.01	0.16	558	<1	0.09	<1	0.01	8	<2	<2	13	<5	<3	108
BR L700S 3+25W	<0.1	2.38	<3	63	<3	0.06	<0.1	12	<1	17	3.05	<0.01	0.07	714	<1	0.07	<1	0.01	14	<2	<2	8	<5	<3	93
BR L700S 3+50W	0.2	2.66	<3	109	<3	0.17	<0.1	22	<1	26	3.87	<0.01	0.11	1932	<1	0.07	<1	0.02	40	<2	<2	12	<5	<3	163
BR L800S BL000	0.1	2.98	<3	137	<3	0.20	<0.1	15	<1	20	3.25	<0.01	0.09	575	<1	0.06	<1	0.01	14	<2	<2	15	<5	<3	187
BR L800S 0+25W	0.2	2.31	<3	105	<3	0.25	<0.1	12	<1	16	2.64	<0.01	0.08	1213	<1	0.06	<1	0.02	16	<2	<2	16	<5	<3	128
BR L800S 0+50W	0.1	1.92	<3	69	<3	0.25	0.3	12	<1	17	2.70	<0.01	0.11	840	<1	0.06	<1	0.02	42	<2	<2	18	<5	<3	131
BR L800S 0+75W	0.1	3.65	<3	71	<3	0.11	<0.1	13	<1	16	3.55	<0.01	0.07	718	<1	0.04	<1	0.01	6	<2	<2	10	<5	<3	112
BR L800S 1+00W	0.1	1.53	<3	89	<3	0.28	0.1	12	<1	23	3.94	<0.01	0.06	421	<1	0.07	<1	0.02	24	<2	<2	19	<5	<3	113
BR L800S 1+25W	0.1	4.88	<3	146	<3	0.35	<0.1	16	<1	15	3.22	<0.01	0.08	1649	<1	0.05	<1	0.02	3	<2	<2	19	<5	<3	214
BR L800S 1+50W	0.2	2.81	<3	100	<3	0.21	<0.1	19	<1	27	3.67	<0.01	0.12	773	<1	0.07	<1	0.03	22	<2	<2	16	<5	<3	153
BR L800S 1+75W	0.1	3.69	<3	189	<3	0.94	<0.1	18	<1	22	3.36	<0.01	0.11	2358	<1	0.05	<1	0.02	16	<2	<2	30	<5	<3	217
BL L800S 2+25W	0.2	4.71	<3	123	<3	0.38	<0.1	20	<1	28	4.02	<0.01	0.12	888	<1	0.07	<1	0.02	16	<2	<2	20	<5	<3	159
BL L800S 2+50W	0.4	3.38	<3	204	<3	1.30	1.6	18	<1	72	3.32	<0.01	0.11	5504	<1	0.05	<1	0.03	14	<2	<2	60	<5	<3	198
BL L800S 2+75W	0.2	5.53	<3	92	<3	0.40	<0.1	14	<1	23	3.54	<0.01	0.08	2095	<1	0.04	<1	0.03	8	<2	<2	18	<5	<3	256
BL L800S 3+00W	0.1	2.62	<3	83	<3	0.10	<0.1	10	<1	14	3.76	<0.01	0.06	525	<1	0.05	<1	0.01	14	<2	<2	10	<5	<3	99
BL L800S 3+25W	<0.1	2.93	<3	131	<3	0.32	<0.1	18	<1	27	3.44	<0.01	0.11	1115	<1	0.09	<1	0.02	21	<2	<2	21	<5	<3	137
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910197 PA | OREQUEST CONSULTANTS LTD. | PROJECT: RAIN CLAIMS | DATE IN: AUGUST 21 1991 | DATE OUT: AUGUST 28 1991 | ATTENTION: MR. GEORGE CAVEY |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BL L800S 3+50W	0.1	2.21	<3	139	<3	0.13	<0.1	14	<1	21	3.01	<0.01	0.09	1447	<1	0.07	<1	0.02	20	<2	<2	12	<5	<3	136
BL L8+00S 0+50E	<0.1	4.57	<3	104	<3	0.15	<0.1	16	<1	19	3.90	<0.01	0.09	411	<1	0.08	<1	0.01	13	<2	<2	12	<5	<3	131
BL L8+00S 1+00E	0.2	3.13	<3	92	<3	0.48	<0.1	17	<1	27	3.76	<0.01	0.12	807	<1	0.05	<1	0.02	50	<2	<2	24	<5	<3	156
BL L8+00S 1+50E	0.4	6.81	<3	67	<3	0.02	<0.1	10	<1	15	2.03	<0.01	0.02	2237	<1	0.04	<1	0.01	<2	<2	<2	5	<5	<3	100
BL L8+00S 2+00E	0.2	3.81	<3	65	<3	0.12	<0.1	12	<1	10	2.76	<0.01	0.03	536	<1	0.05	<1	0.01	4	<2	<2	9	<5	<3	91
BR L9+00S 0+25W	0.2	3.43	<3	86	<3	0.25	<0.1	19	<1	32	3.17	<0.01	0.12	1772	<1	0.07	<1	0.03	25	<2	<2	18	<5	<3	184
BR L9+00S 0+50W	0.3	1.46	<3	83	<3	0.27	<0.1	13	<1	17	3.52	<0.01	0.07	850	<1	0.07	<1	0.02	27	<2	<2	19	<5	<3	105
BR L9+00S 0+75W	<0.1	1.38	<3	114	<3	0.36	<0.1	11	<1	16	3.02	<0.01	0.05	636	<1	0.09	<1	0.01	26	<2	<2	17	<5	<3	97
BR L9+00S 1+00W	0.1	5.62	<3	139	<3	0.94	<0.1	15	<1	22	2.91	<0.01	0.07	2010	<1	0.04	<1	0.03	<2	<2	<2	30	<5	<3	195
BR L9+00S 1+50W	0.1	2.79	<3	157	<3	0.98	<0.1	14	<1	21	2.91	<0.01	0.10	3033	<1	0.05	<1	0.02	27	<2	<2	33	<5	<3	248
BR L9+00S 1+75W	0.1	3.48	<3	150	<3	0.80	<0.1	17	<1	22	3.30	<0.01	0.14	1271	<1	0.07	<1	0.02	19	<2	<2	28	<5	<3	173
BR L9+00S 2+00W	0.2	3.81	<3	160	<3	0.48	<0.1	17	<1	18	3.92	<0.01	0.09	1047	<1	0.06	<1	0.02	19	<2	<2	15	<5	<3	189
BR L9+00S 2+25W	0.2	4.37	<3	117	<3	0.12	<0.1	14	<1	19	3.51	<0.01	0.09	629	<1	0.06	<1	0.01	2	<2	<2	10	<5	<3	169
BR L9+00S 2+50W	<0.1	2.51	<3	102	<3	0.12	<0.1	14	<1	36	3.93	<0.01	0.16	538	<1	0.07	<1	0.01	14	<2	<2	9	<5	<3	181
BR L9+00S 2+75W	0.1	6.05	<3	106	<3	0.62	<0.1	21	<1	26	3.56	<0.01	0.13	1004	<1	0.06	<1	0.04	6	<2	<2	15	<5	<3	239
BR L9+00S 3+00W	0.2	3.97	<3	129	<3	0.20	<0.1	18	<1	27	3.19	<0.01	0.13	651	<1	0.09	<1	0.02	12	<2	<2	16	<5	<3	158
BR L9+00S 3+25W	0.2	4.63	<3	192	<3	0.25	<0.1	15	<1	31	3.03	<0.01	0.13	896	<1	0.06	<1	0.02	2	<2	<2	18	<5	<3	204
BR L9+00S 3+50W	0.1	1.92	<3	186	<3	0.26	<0.1	16	<1	21	3.03	<0.01	0.10	2664	<1	0.07	<1	0.02	18	<2	<2	17	<5	<3	153
RAIN SILT BL 15+25S	0.2	1.15	<3	62	<3	5.18	<0.1	22	<1	85	3.79	<0.01	0.18	1365	<1	0.04	<1	0.03	26	<2	<2	152	<5	<3	164
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910253 PA   OREQUEST CONSULTANTS LTD.   PROJECT: B-R   DATE IN: OCT 03 1991   DATE OUT: OCT 09 1991   ATTENTION: MR. GEORGE CAVEY

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L0+00 1+75W B	<0.1	2.69	60	126	<3	5.33	2.4	29	37	162	4.89	2.52	2.14	2141	3	0.11	134	0.02	24	<2	10	109	<5	<3	256
L0+00 2+00W B	<0.1	5.29	22	159	<3	1.39	3.7	44	74	271	7.37	2.36	2.07	1562	3	0.15	117	0.06	21	<2	21	106	<5	<3	296
L0+00N 0+45E B	<0.1	1.20	5	104	<3	>10	<0.1	14	12	34	2.29	2.99	1.05	751	<1	0.05	27	0.01	16	<2	<2	222	<5	<3	85
L0+00N 0+45E T	<0.1	3.45	44	167	<3	1.04	1.0	32	48	77	5.25	1.74	1.25	2129	<1	0.04	51	0.03	46	<2	13	40	<5	<3	163
L0+00N 0+50E B	<0.1	3.05	29	184	<3	1.06	0.4	26	42	112	4.61	1.66	1.21	3140	<1	0.15	58	0.03	35	<2	10	78	<5	<3	210
L0+00N 0+50E M	<0.1	1.44	3	100	<3	0.42	1.5	20	21	34	3.02	1.00	0.80	899	<1	0.07	33	0.02	28	<2	5	25	<5	<3	104
L0+00N 0+50E T	<0.1	4.02	34	157	<3	0.57	24.2	21	25	34	3.41	1.11	0.65	2369	<1	<0.01	27	0.02	8	<2	19	20	<5	<3	8617
L2+00N 2+00E B	<0.1	0.68	9	76	<3	>10	4.4	4	<1	19	0.83	5.17	0.42	405	<1	<0.01	31	<0.01	14	<2	<2	538	<5	<3	1242
L2+00N 1+50W B	<0.1	3.11	361	252	<3	3.04	2.1	28	70	896	>10	3.85	0.56	6143	15	<0.01	156	0.05	19	<2	9	73	<5	<3	411
L2+00N 1+57W B	<0.1	3.92	217	233	<3	0.25	7.2	79	48	2066	>10	3.28	0.51	>20000	17	<0.01	843	0.06	9	<2	9	27	<5	<3	510
L2+00N 1+57W T	<0.1	2.82	114	141	<3	0.25	0.6	26	36	278	6.25	1.57	0.81	2065	4	<0.01	113	0.03	36	<2	6	21	<5	<3	259
L3+00N 1+25E B	<0.1	2.26	12	180	<3	>10	0.8	25	26	53	4.37	3.07	4.13	2063	<1	0.13	50	0.01	70	<2	9	138	<5	<3	331
L3+00N 1+25E M	<0.1	4.11	45	239	<3	0.46	2.4	32	55	52	5.99	1.72	1.21	1799	<1	0.01	160	0.01	79	<2	2	20	<5	<3	1706
L3+00N 1+25E T	<0.1	6.70	74	129	<3	0.10	0.5	12	21	19	3.50	0.95	0.36	402	1	<0.01	45	0.01	<2	<2	21	9	<5	<3	761
L3+00N 1+75E B	<0.1	2.56	43	189	<3	1.40	2.5	34	39	64	5.84	2.07	1.14	2691	<1	0.14	64	0.03	107	<2	<2	77	<5	<3	302
L3+00N 1+75E M	<0.1	3.67	25	175	<3	0.18	1.4	19	21	18	3.48	1.05	0.46	1153	<1	0.03	41	0.01	28	<2	3	15	<5	<3	601
L3+00N 1+75E T	<0.1	2.64	27	262	<3	0.15	2.8	22	27	22	4.18	1.22	0.70	6320	<1	0.02	41	0.01	65	<2	<2	12	<5	<3	462
MIT L0+50N 0+00	<0.1	3.86	46	141	<3	0.38	1.3	19	37	41	3.44	1.13	1.01	2570	<1	0.02	26	0.02	8	<2	20	19	<5	<3	160
MIT L0+50N 0+25E	<0.1	2.80	37	104	<3	0.34	<0.1	20	30	23	3.59	1.09	0.59	1180	<1	0.02	27	0.01	22	<2	13	17	<5	<3	162
MIT L0+50N 0+50E	<0.1	6.85	59	61	<3	0.12	<0.1	12	5	7	2.75	0.76	0.17	897	2	0.02	8	0.02	<2	<2	21	6	<5	<3	161
MIT L0+50N 0+75E	<0.1	3.19	29	211	<3	0.77	1.0	20	31	37	3.70	1.27	0.61	3731	2	0.03	64	0.03	35	<2	2	28	<5	<3	258
MIT L0+50N 1+00E	<0.1	2.97	20	182	<3	0.30	0.2	23	47	33	6.07	1.62	0.81	2275	<1	0.03	41	0.02	80	<2	13	22	<5	<3	297
MIT L0+50N 1+25E	<0.1	5.95	36	81	<3	0.06	0.1	14	16	18	3.72	0.96	0.21	789	<1	0.02	12	0.02	<2	<2	15	7	<5	<3	118
MIT L0+50N 1+50E	<0.1	4.70	37	88	<3	0.84	1.0	21	29	27	4.46	1.46	0.64	1220	<1	0.06	41	0.03	21	<2	6	38	<5	<3	171
MIT L0+50N 1+75E	<0.1	5.73	37	157	<3	0.52	0.1	18	27	17	3.67	1.21	0.42	1715	<1	0.04	24	0.04	<2	<2	5	25	<5	<3	168
MIT L0+50N 0+25W	<0.1	6.21	38	161	<3	0.58	1.0	25	51	78	4.46	1.43	1.30	1045	1	0.06	49	0.02	5	<2	12	32	<5	<3	269
MIT L0+50N 0+50W	<0.1	6.56	52	193	<3	1.47	<0.1	17	30	33	3.07	1.34	0.75	736	1	0.04	28	0.02	<2	<2	23	35	<5	<3	177
MIT L0+50N 0+75W	<0.1	5.85	48	111	<3	0.85	0.4	22	58	61	4.37	1.47	1.21	445	<1	0.02	44	0.02	5	<2	27	22	<5	<3	178
MIT L0+50N 1+00W	<0.1	9.35	70	32	<3	0.39	0.2	12	2	7	2.29	0.97	0.12	169	1	0.04	13	0.05	<2	<2	27	7	<5	<3	94
MIT L0+50N 1+25W	<0.1	7.08	50	136	<3	1.65	1.5	24	35	25	3.37	1.56	0.45	2039	1	0.05	69	0.02	<2	<2	19	47	<5	<3	285
MIT L0+50N 1+50W	<0.1	4.86	29	235	<3	1.13	1.0	24	60	74	3.95	1.56	1.64	1597	2	0.05	56	0.03	10	<2	12	47	<5	<3	207
MIT L0+50N 1+75W	<0.1	5.02	38	121	<3	0.41	0.1	22	21	24	3.33	1.18	0.39	948	<1	0.04	36	0.02	<2	<2	21	18	<5	<3	153
MIT L0+50N 2+00W	<0.1	5.11	44	136	<3	0.55	1.0	20	17	19	3.09	1.16	0.29	3101	1	0.03	40	0.03	<2	<2	12	28	<5	<3	226
MIT L0+50N 2+25W	<0.1	3.60	40	87	<3	0.37	0.1	24	42	26	3.79	1.24	0.68	1000	<1	0.04	53	0.01	<2	<2	12	19	<5	<3	172
MIT L0+50N 2+50W	<0.1	4.36	71	107	<3	0.14	0.8	31	65	104	7.75	1.94	0.66	611	2	0.01	108	0.02	<2	<2	6	13	<5	<3	323
RAIN L0+50S 0+00	<0.1	4.82	49	264	<3	1.14	2.7	28	46	90	6.24	2.06	1.05	2355	1	0.02	73	0.05	29	<2	12	49	<5	<3	469
RAIN L0+50S 0+25E	<0.1	5.48	57	111	<3	0.33	0.6	27	62	63	5.00	1.53	1.23	897	<1	0.04	64	0.02	13	<2	21	19	<5	<3	204
RAIN L0+50S 0+50E	<0.1	5.56	47	162	<3	0.40	0.7	22	50	46	4.62	1.54	0.86	2429	1	0.04	49	0.03	22	<2	19	23	<5	<3	268
RAIN L0+50S 0+75E	<0.1	3.50	27	88	<3	0.22	0.2	22	38	31	4.34	1.27	0.71	1755	<1	0.02	41	0.02	44	<2	9	17	<5	<3	200
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less Than Minimum   > = Greater Than Maximum   is = Insufficient Sample   ns = No Sample   ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910253 PA | OREQUEST CONSULTANTS LTD. | PROJECT: B-R | DATE IN: OCT 03 1991 | DATE OUT: OCT 09 1991 | ATTENTION: MR. GEORGE CAVEY | PAGE 2 OF 3

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
RAIN L0+50S 1+00E	<0.1	3.93	36	183	<3	0.69	1.9	12	105	90	5.47	1.53	1.52	3425	1	0.04	73	0.03	69	<2	24	36	<5	<3	264
RAIN L0+50S 1+25E	<0.1	3.08	36	120	<3	0.21	<0.1	4	40	57	4.57	1.12	0.86	2398	<1	0.02	47	0.02	41	<2	8	17	<5	<3	173
RAIN L0+50S 1+50E	<0.1	4.24	33	89	<3	0.23	<0.1	7	30	20	3.96	0.97	0.44	1214	<1	0.03	26	0.02	12	<2	16	13	<5	<3	136
RAIN L0+50S 1+75E	<0.1	3.92	13	66	<3	0.10	<0.1	5	25	37	3.50	0.88	0.37	725	<1	0.03	24	0.02	18	<2	17	8	<5	<3	114
RAIN L0+50S 2+00E	<0.1	2.53	26	69	<3	0.13	0.2	8	32	23	4.13	0.98	0.53	1049	<1	0.03	37	0.01	17	<2	24	10	<5	<3	135
RAIN L0+50S 0+25W	<0.1	3.60	26	146	<3	0.38	0.5	10	38	45	3.70	1.04	1.03	1671	<1	0.02	51	0.02	12	<2	15	22	<5	<3	261
RAIN L0+50S 0+50W	<0.1	3.96	27	144	<3	0.42	0.5	9	41	46	3.77	1.05	1.00	1231	<1	0.02	50	0.02	10	<2	16	25	<5	<3	323
RAIN L0+50S 0+75W	<0.1	3.78	29	133	<3	0.35	<0.1	11	45	66	3.81	1.03	1.06	1520	<1	0.03	55	0.03	6	<2	21	27	<5	<3	209
RAIN L0+50S 1+00W	<0.1	5.54	40	233	<3	0.64	0.1	15	58	63	4.32	1.20	1.54	954	3	0.01	61	0.04	<2	<2	26	50	<5	<3	293
RAIN L0+50S 1+25W	<0.1	4.79	64	136	<3	0.33	<0.1	15	48	109	5.61	1.35	1.24	2330	1	<0.01	73	0.04	23	<2	14	33	<5	<3	290
RAIN L0+50S 1+50W	1.2	4.40	148	361	<3	0.59	4.9	10	69	510	>10	3.62	0.54	14925	15	<0.01	200	0.06	107	<2	6	67	<5	<3	994
RAIN L0+50S 1+75W	<0.1	5.09	44	113	<3	0.17	0.1	8	28	47	3.26	0.90	0.56	1959	<1	0.03	35	0.03	<2	<2	16	14	<5	<3	170
RAIN L0+50S 2+00W	<0.1	3.60	51	159	<3	0.42	<0.1	10	58	137	5.09	1.38	1.18	1513	<1	0.02	88	0.03	10	<2	15	23	<5	<3	205
RAIN L0+50S 2+25W	<0.1	4.87	37	142	<3	1.24	<0.1	8	24	25	4.25	1.36	0.49	583	<1	0.04	25	0.03	2	<2	31	46	<5	<3	142
RAIN L0+50S 2+50W	<0.1	4.70	28	207	<3	0.73	<0.1	8	27	24	3.37	1.04	0.66	2854	<1	0.02	35	0.04	<2	<2	8	38	<5	<3	247
RAIN L1+50S 0+00	<0.1	4.57	33	178	<3	0.34	0.7	10	65	58	5.12	1.33	1.15	812	<1	0.01	79	0.02	24	<2	15	21	<5	<3	470
RAIN L1+50S 0+25E	<0.1	5.31	62	126	<3	0.42	<0.1	12	50	43	4.57	1.23	0.93	1048	<1	0.02	48	0.03	87	<2	15	22	<5	<3	408
RAIN L1+50S 0+50E	<0.1	6.81	64	129	<3	0.74	<0.1	16	62	64	4.14	1.28	1.32	892	<1	0.07	65	0.02	<2	<2	26	46	<5	<3	279
RAIN L1+50S 0+75E	<0.1	4.74	72	141	<3	0.44	0.2	12	57	45	4.20	1.22	0.91	1878	<1	0.04	58	0.02	8	<2	15	26	<5	<3	416
RAIN L1+50S 1+00E	<0.1	5.48	86	256	<3	0.72	2.5	11	76	98	6.55	1.89	1.34	4008	<1	0.01	103	0.02	69	<2	18	50	<5	<3	1236
RAIN L1+50S 1+25E	<0.1	2.44	27	103	<3	0.65	<0.1	8	40	26	4.84	1.29	0.52	1074	<1	0.02	63	0.01	50	<2	15	35	<5	<3	300
RAIN L1+50S 1+50E	<0.1	3.71	44	102	<3	0.74	<0.1	10	28	20	4.05	1.19	0.30	876	4	0.04	43	0.01	14	<2	21	38	<5	<3	184
RAIN L1+50S 1+75E	<0.1	3.54	40	134	<3	0.39	0.4	13	48	24	6.20	1.46	0.52	938	2	0.05	44	0.01	45	<2	9	20	<5	<3	260
RAIN L1+50S 2+00E	<0.1	6.88	51	130	<3	0.15	<0.1	12	40	26	4.66	1.27	0.54	3802	<1	0.02	51	0.01	20	<2	15	12	<5	<3	475
RAIN L1+50S 2+25E	<0.1	5.38	40	192	<3	8.31	4.8	19	91	122	5.25	3.96	2.67	1789	<1	0.21	91	0.05	40	<2	9	272	<5	<3	956
RAIN L1+50S 0+25W	<0.1	5.43	35	198	<3	0.76	0.4	10	52	40	4.84	1.48	0.75	1091	<1	0.04	57	0.03	33	<2	15	36	<5	<3	454
RAIN L1+50S 0+50W	<0.1	5.32	40	236	<3	0.60	<0.1	14	47	34	4.59	1.43	0.86	2125	1	0.05	58	0.03	31	<2	9	27	<5	<3	341
RAIN L1+50S 0+75W	<0.1	4.25	48	191	<3	0.50	<0.1	17	62	68	5.70	1.57	1.19	1869	<1	0.05	73	0.05	38	<2	6	31	<5	<3	239
RAIN L1+50S 1+00W	0.4	5.27	45	219	<3	0.27	0.5	17	54	62	5.57	1.43	1.00	2756	3	0.02	53	0.04	6	<2	24	38	<5	<3	353
RAIN L1+50S 1+25W	0.2	5.95	63	164	<3	0.20	0.9	10	65	67	4.96	1.29	1.12	1667	2	0.02	80	0.04	<2	<2	23	28	<5	<3	437
RAIN L1+50S 1+50W	<0.1	7.60	109	160	<3	0.40	<0.1	14	77	107	6.16	1.59	1.56	1073	<1	0.02	66	0.05	<2	<2	28	32	<5	<3	407
RAIN L1+50S 1+75W	<0.1	5.57	81	200	<3	0.41	0.8	16	69	181	6.66	1.78	2.13	1207	3	0.02	114	0.03	31	<2	15	38	<5	<3	419
RAIN L1+50S 2+00W	<0.1	4.80	38	171	<3	0.49	<0.1	12	91	22	4.97	1.43	0.99	2142	<1	0.03	52	0.02	21	<2	27	26	<5	<3	329
RAIN L1+50S 2+25W	<0.1	4.44	26	145	<3	0.27	<0.1	12	48	56	4.05	1.12	0.77	2014	<1	0.03	43	0.03	10	<2	23	17	<5	<3	202
RAIN L1+50S 2+50W	1.3	4.79	167	185	<3	0.53	<0.1	14	73	457	>10	2.73	0.31	6811	11	<0.01	123	0.07	<2	<2	8	34	<5	<3	226
RAIN L2+50S 0+00	<0.1	4.94	67	282	3	0.16	3.5	15	61	71	7.58	1.86	0.89	1943	<1	<0.01	103	0.02	79	<2	7	16	<5	<3	2927
RAIN L2+50S 0+25E	<0.1	2.87	89	202	4	>10	36.1	15	47	71	5.81	3.80	1.01	2225	<1	<0.01	146	0.03	157	<2	5	218	<5	<3	8992
RAIN L2+50S 0+50E	<0.1	5.17	60	209	<3	4.15	11.0	18	29	33	3.88	2.04	0.55	1176	<1	<0.01	79	0.01	78	<2	15	68	<5	<3	3442
RAIN L2+50S 0+75E	0.4	2.80	45	173	<3	>10	27.1	7	37	36	3.99	3.82	0.69	1359	<1	<0.01	84	0.02	118	<2	8	226	<5	<3	4953
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	200	10	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910253 PA | OREQUEST CONSULTANTS LTD. | PROJECT: B-R | DATE IN: OCT 03 1991 | DATE OUT: OCT 09 1991 | ATTENTION: MR. GEORGE CAVEY | PAGE 3 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RAIN L2+50S 1+00E	<0.1	5.50	82	143	<3	0.86	5.5	21	36	44	4.86	1.28	0.51	1197	1	<0.01	68	0.01	86	<2	10	31	<5	<3	1884
RAIN L2+50S 1+25E	<0.1	4.88	54	197	<3	1.69	3.9	32	57	38	7.91	2.13	1.08	2495	<1	0.01	81	0.02	85	<2	13	49	<5	<3	1490
RAIN L2+50S 1+50E	<0.1	4.23	33	156	<3	4.68	3.1	19	28	26	4.15	1.87	0.93	1598	<1	0.02	55	0.02	43	<2	6	91	<5	<3	1445
RAIN L2+50S 1+75E	<0.1	2.72	50	126	8	0.71	0.9	44	36	57	7.46	1.79	0.84	2187	<1	0.07	66	0.02	135	<2	<2	41	<5	<3	463
RAIN L2+50S 2+00E	<0.1	9.78	85	129	<3	0.34	0.8	30	33	19	4.17	1.19	0.43	762	<1	0.05	30	0.02	6	<2	9	19	<5	<3	413
RAIN L2+50S 0+25W	1.1	8.70	73	413	<3	0.49	0.2	33	67	68	6.38	1.52	1.43	1385	<1	0.03	66	0.04	16	<2	23	46	<5	<3	558
RAIN L2+50S 0+50W	<0.1	5.45	46	343	<3	0.95	0.4	30	63	59	5.43	1.44	1.41	1264	<1	0.02	51	0.04	<2	<2	22	76	<5	<3	284
RAIN L2+50S 0+75W	<0.1	5.51	46	417	<3	0.82	1.6	31	63	117	4.96	1.35	1.92	2675	<1	0.09	87	0.04	<2	<2	22	87	<5	<3	259
RAIN L2+50S 1+00W	<0.1	4.29	34	237	<3	0.17	1.6	28	49	37	5.17	1.22	0.99	1121	<1	0.05	45	0.02	22	<2	20	23	<5	<3	256
RAIN L2+50S 1+25W	<0.1	4.38	37	191	<3	0.18	0.4	25	58	40	5.26	1.19	1.11	882	<1	0.04	50	0.03	12	<2	23	20	<5	<3	229
RAIN L2+50S 1+50W	<0.1	3.70	39	544	<3	0.56	1.6	29	48	60	4.62	1.35	1.17	6363	1	0.03	59	0.05	19	<2	16	57	<5	<3	386
RAIN L2+50S 1+75W	<0.1	3.83	16	237	<3	0.29	1.1	21	43	73	4.33	1.08	1.43	1041	<1	0.03	53	0.08	14	<2	12	30	<5	<3	225
RAIN L2+50S 2+00W	<0.1	3.85	33	177	<3	0.45	0.9	32	53	130	5.52	1.38	1.80	986	4	0.02	98	0.03	20	<2	12	35	<5	<3	305
RAIN L2+50S 2+25W	<0.1	3.91	27	221	<3	0.25	0.3	20	21	19	3.76	0.96	0.65	2051	<1	0.05	22	0.02	17	<2	22	22	8	<3	193
RAIN L2+50S 2+50W	<0.1	8.32	57	149	<3	0.53	<0.1	25	47	56	4.37	1.13	1.37	610	3	0.03	34	0.03	<2	<2	31	40	<5	<3	215
RS 001	<0.1	5.29	40	211	<3	7.64	7.8	27	93	121	5.28	3.01	2.68	1718	<1	0.19	88	0.05	37	<2	7	275	<5	<3	1080
RS 002	<0.1	3.67	42	202	<3	4.81	1.0	22	68	97	3.99	2.13	2.28	1349	<1	0.12	68	0.05	76	<2	8	219	<5	<3	928
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 910197 AA JOB NUMBER: 910197 OREQUEST CONSULTANTS LTD. PAGE 1 OF 1

SAMPLE #		Zn %
L2+00S	0+25E	0.34
L2+00S	0+50E	0.12
L2+00S	0+75E	0.25
L2+00S	1+00E	0.20
L2+00S	1+25E	0.23
L2+00S	1+50E	0.14
L2+00S	1+75E	0.24
L2+00S	2+00E	0.34
L2+00S	2+25E	0.16
L2+00S	2+50E	0.19

DETECTION LIMIT 0.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001 % ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910252 PA | OREQUEST CONSULTANTS LTD. | PROJECT: B-R | DATE IN: OCT 03 1991 | DATE OUT: OCT 08 1991 | ATTENTION: MR. GEORGE CAVEY | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L0+00 0+50E RX-1	0.8	0.94	<3	114	16	0.83	3.0	11	225	181	>10	0.73	0.28	4673	14	0.18	79	0.13	106	<2	11	55	<5	<3	200
L0+00 0+50E RX-2	<0.1	0.72	<3	68	28	<0.01	3.7	7	77	199	>10	1.16	0.11	595	<1	0.18	24	0.08	50	<2	13	19	<5	<3	361
L0+00 1+75 RX-1	<0.1	0.71	<3	46	39	2.55	0.6	12	247	688	4.36	0.60	0.21	3041	<1	0.16	75	0.03	39	2	5	22	<5	<3	189
L0+00 1+75W RX-2	<0.1	1.25	<3	72	<3	2.57	1.7	6	206	372	>10	0.90	0.35	5204	1	0.14	23	0.08	22	<2	7	41	<5	<3	162
L0+00 2+00W RX	<0.1	2.78	<3	135	<3	3.26	0.8	21	189	86	4.66	0.76	1.57	1440	2	0.19	36	0.06	<2	<2	11	147	<5	<3	138
L2+00N 1+50W RX	<0.1	2.05	60	304	23	0.80	2.1	19	246	295	>10	0.70	0.49	15831	<1	0.11	138	0.06	<2	<2	4	38	<5	<3	328
L2+00N 1+57W RX	0.7	1.23	167	221	30	0.66	0.6	13	202	365	>10	0.72	0.20	4751	22	0.18	95	0.07	28	<2	<2	43	<5	<3	212
L2+00N 2+00E RX	0.2	0.10	<3	41	17	>10	4.8	2	<1	14	0.65	2.40	0.26	294	<1	0.04	<1	<0.01	29	<2	<2	408	<5	<3	231
L2+50N 0+50E RX	0.3	0.10	<3	35	<3	>10	4.2	<1	<1	<1	0.29	2.33	0.22	104	<1	0.08	<1	<0.01	19	<2	<2	375	<5	<3	852
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCL to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 910263 PA | OREQUEST CONSULTANTS LTD. | PROJECT: B-R | DATE IN: OCT 10 1991 | DATE OUT: OCT 15 1991 | ATTENTION: MR. IAN CAMPBELL & MR. GEORGE CAVEY | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19660	0.5	1.61	30	32	<3	0.71	4.4	35	44	508	8.42	2.36	1.07	1295	8	<0.01	73	0.03	3	<2	9	31	<5	<3	221
19661	<0.1	0.34	82	40	10	2.20	1.5	14	<1	69	1.79	1.25	0.24	6249	<1	<0.01	32	0.01	22	3	<2	46	<5	<3	131
19662	1.0	4.12	58	28	<3	2.09	2.9	28	66	196	3.49	3.00	1.74	1042	18	0.41	80	0.03	11	<2	29	124	<5	<3	169
19663	0.2	1.68	4	49	<3	0.84	1.9	13	39	74	2.11	1.32	0.50	660	<1	0.08	15	0.01	9	3	14	47	<5	<3	255
19664	1.0	0.81	16	319	<3	0.22	1.3	4	128	105	2.01	1.17	0.33	248	12	0.12	<1	0.01	241	<2	<2	27	<5	<3	76
19665	1.1	1.51	54	57	<3	1.62	10.5	17	56	488	>10	5.01	0.39	3442	20	<0.01	236	0.08	52	<2	25	50	<5	<3	1016
19666	9.7	1.42	<3	26	<3	0.72	12.1	30	99	480	>10	5.43	0.28	1818	35	<0.01	407	0.05	3201	<2	14	24	<5	<3	910
19667	3.8	0.81	23	20	<3	0.71	3.4	38	34	1012	>10	5.26	0.18	758	36	<0.01	547	0.05	436	<2	29	63	<5	<3	220
19668	0.1	2.80	<3	64	<3	1.45	2.2	42	217	271	7.65	2.36	0.63	420	<1	0.13	120	0.01	93	<2	15	79	<5	<3	91
19669	<0.1	1.59	<3	209	<3	0.46	0.8	28	62	67	2.19	1.54	0.50	209	<1	0.08	41	0.01	56	3	<2	21	<5	<3	44
19670	0.4	0.45	<3	267	<3	6.90	1.4	58	<1	3635	3.08	2.41	0.47	473	<1	0.02	22	0.01	30	<2	6	97	<5	<3	46
19671	3.3	0.58	54	50	<3	1.17	3.0	23	44	1414	>10	5.27	0.18	648	39	<0.01	461	0.03	82	<2	29	44	<5	<3	227
19672	0.2	0.16	<3	18	<3	0.24	1.2	239	384	470	8.43	2.14	0.06	180	<1	<0.01	248	0.01	27	<2	<2	9	<5	<3	51
19673	0.3	3.79	32	291	<3	1.60	0.2	48	76	213	4.25	2.72	1.47	785	1	0.05	54	0.02	<2	<2	16	70	<5	<3	178
19674	4.5	4.44	<3	250	<3	2.11	2.1	28	99	199	3.58	3.30	2.04	506	15	0.23	38	0.05	1920	<2	29	111	<5	<3	191
19675	1.5	3.97	<3	158	<3	4.37	1.2	20	84	140	3.62	2.88	2.10	533	4	0.14	37	0.05	732	<2	14	280	<5	<3	149
19676	2.6	2.77	62	52	<3	2.20	1.8	21	115	319	>10	4.51	0.64	3318	28	<0.01	186	0.08	686	<2	23	78	<5	<3	290
19677	0.6	5.15	29	148	<3	1.01	1.5	38	80	193	7.83	3.27	1.72	938	<1	0.11	64	0.02	148	<2	18	56	<5	<3	182
19679	0.6	0.82	<3	96	<3	>10	0.9	8	<1	268	1.54	3.32	3.36	1053	<1	0.03	3	<0.01	134	<2	<2	138	<5	<3	47
19680	3.1	0.26	<3	26	<3	2.01	0.6	326	<1	1098	>10	5.23	0.43	196	<1	<0.01	960	<0.01	1371	<2	6	23	<5	<3	53
19681	0.3	1.49	<3	23	<3	>10	1.9	17	<1	84	1.89	4.21	0.29	498	2	0.07	174	0.01	77	<2	<2	314	<5	<3	69
72651	2.0	1.39	459	22	<3	5.06	2.9	22	243	449	>10	4.79	0.41	3889	24	0.01	273	0.09	70	<2	17	93	<5	<3	403
72651A (NO TAG)	2.0	1.39	467	17	<3	2.41	2.8	23	317	474	>10	4.59	0.43	3115	27	<0.01	342	0.10	62	<2	23	82	<5	<3	553
72652	1.2	0.82	53	17	<3	2.13	1.6	40	55	613	>10	4.05	0.24	1177	9	<0.01	253	0.08	33	<2	14	67	<5	<3	129
72653	1.2	0.83	5	9	<3	2.10	1.3	26	20	454	8.94	2.98	0.12	7394	4	0.01	177	0.10	20	<2	6	32	<5	<3	58
72654	2.8	1.30	158	8	<3	0.52	14.3	28	47	543	>10	8.31	0.18	2042	76	<0.01	564	0.03	76	<2	33	19	<5	<3	1404
72656	10.2	1.19	471	25	<3	0.81	22.7	325	271	>20000	7.55	2.62	0.54	628	251	<0.01	140	0.02	48	<2	<2	41	<5	<3	3888
72660	0.3	1.87	76	90	<3	0.18	4.2	62	39	3926	4.26	1.66	1.35	244	28	<0.01	31	0.01	3	<2	<2	11	<5	<3	702
72661	2.3	1.68	178	54	<3	6.13	5.9	23	102	1284	>10	6.24	0.97	7925	21	<0.01	248	0.05	158	<2	17	103	<5	<3	769
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: OREQUEST CONSULTANTS LTD.
ADDRESS: 306 - 595 Howe St.
: Vancouver, BC
: V6C 2T5

DATE: OCT 16 1991
REPORT#: 910263 AA
JOB#: 910263

PROJECT#: B-R
SAMPLES ARRIVED: OCT 10 1991
REPORT COMPLETED: OCT 16 1991
ANALYSED FOR: Cu

INVOICE#: 910263 NA
TOTAL SAMPLES: 1
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 1 ROCK

SAMPLES FROM: OREQUEST CONSULTANTS LTD.
COPY SENT TO: OREQUEST CONSULTANTS LTD.

PREPARED FOR: MR. IAN CAMPBELL & MR. GEORGE CAVEY

ANALYSED BY: Raymond Chan

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: RESULTS FAXED TO OREQUEST CONSULTANTS LTD. @ 688-9727

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
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FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 910263 AA JOB NUMBER: 910263 OREQUEST CONSULTANTS LTD.

SAMPLE #	Cu %
72656	2.23

DETECTION LIMIT 0.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001 % ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

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VANCOUVER, B.C.
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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: OREQUEST CONSULTANTS LTD.
ADDRESS: 306 - 595 Howe St.
: Vancouver, BC
: V6C 2T5

DATE: OCT 15 1991
REPORT#: 910264 AA
JOB#: 910264

PROJECT#: B-R
SAMPLES ARRIVED: OCT 10 1991
REPORT COMPLETED: OCT 15 1991
ANALYSED FOR: Cu Pb Zn Ag

INVOICE#: 910264 NA
TOTAL SAMPLES: 1
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 1 ROCK

SAMPLES FROM: OREQUEST CONSULTANTS LTD.
COPY SENT TO: OREQUEST CONSULTANTS LTD.

PREPARED FOR: MR. IAN CAMPBELL & MR. GEORGE CAVEY

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: RESULTS FAXED TO OREQUEST CONSULTANTS LTD. @ 688-9727

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 910264 AA JOB NUMBER: 910264 OREQUEST CONSULTANTS LTD.

SAMPLE #	Cu %	Pb %	Zn %	Ag oz/st
19678	0.35	49.00	1.81	28.58
DETECTION LIMIT	0.01	0.01	0.01	0.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001 % ppm = parts per million < = less than

signed: _____

APPENDIX III

THIN SECTION REPORT

Harris
EXPLORATION
SERVICES

MINERALOGY AND GEOCHEMISTRY

534 ELLIS STREET, NORTH VANCOUVER, B.C., CANADA V7H 2G6 TELEPHONE (604) 929-5867

Report for: Ian Campbell,
Orequest Consultants Ltd.,
306 - 595 Howe St.,
Vancouver, B.C
V6C 2T5

Job 91-58

September 20th, 1991

SAMPLES:

4 rock samples, numbered 1-4, for sectioning and petrographic examination. Corresponding slide numbers are 91-218 through 91-221.

SUMMARY:

Samples 2, 3 and 4 are of phyllitic character, consisting essentially of fine-grained quartz and a meta-argillitic component (sericite or biotite). In Samples 2 and 3 these occur intimately interleaved in varve-like fashion, and show folding, micro-crenulation and cleavage development. Sample 2 is strongly pervaded by limonite. Sample 3 shows incipient andalusite porphyroblast development.

Sample 4 is distinctive for its high content of graphite and pyrrhotite, and for a clumpy distribution of granular quartz. It may represent a recrystallized sulfidic carbonaceous chert.

Sample 1 resembles Sample 4 in containing substantial pyrrhotite, but is of distinctive mineralogy. It consists of laminar alternations of calc-silicate (calcite-actinolite), quartzose and coarsely garnet-rich assemblages. It lacks the phyllitic fabric of the other samples. The pyrrhotite occurs as intimate permeations and intergranular networks.

Individual petrographic descriptions are attached.

J.F. Harris Ph.D.

SAMPLE 1 (Slide 91-218)

BANDED SULFIDIC CALC-SILICATE ROCK

Garnet zone; Goldstream footwall

Estimated mode

Quartz	15
Garnet	37
Calcite	18
Actinolite	21
Pyrrhotite	8
Chalcopyrite	trace
Hematite	trace
Graphite	1

This is a banded rock, showing sharply-defined, laminar mineralogical differentiation.

It consists essentially of alternations of 3 main components: intimate intergrowths of fine-grained carbonate and fibrous/acicular actinolite; polygonal mosaics of quartz; and close-packed aggregates of subhedral garnets.

The calcite-actinolite assemblage is typically of grain size 30 - 100 microns, with local segregations of coarser sheaf-like actinolite grains to 0. 3mm in length. The grain fabric is of random orientation and granoblastic aspect.

The quartz laminae are aggregates of sub-polygonal, unstrained grains, 0.05 - 0.5mm in size. Minor carbonate/actinolite occurs as included streaks and intergranular networks.

The garnet bands are composed of homogenous, subhedral grains, 0.1 - 2.0mm in size. Calc silicates and sulfides form a partial intergranular cement. Scattered, individual garnet clumps are developed in some of the carbonate-actinolite bands.

Sulfides consist essentially of pyrrhotite, with rare traces of chalcopyrite, as grains 10 - 50 microns in size, intergrown with, or peripheral to, the pyrrhotite.

The pyrrhotite forms intimate, intergranular networks in all three components (least abundantly in the quartz), concentrating as streaks and trains paralleling the laminar structure.

The rock also includes micron-sized graphitic material, as pervasive disseminations and sinuous schlieren and lenses, particularly in the fine-grained calcite-actinolite component. Graphitic dust is also seen incorporated within, or as intimate intermixtures with, the pyrrhotite.

SAMPLE 2 (Slide 91-219) QUARTZ PHYLLITE

Murder Creek showing-footwall

Estimated mode

Quartz	52
Sericite	43
Limonite	5
Tourmaline	trace
Pyrite(?)	trace

This is a finely laminated rock of simple composition, consisting of fine alternations of microgranular quartz and schlieren of sericite. The whole package shows folding, with development of micro-scale crenulation and incipient axial plane cleavage.

The quartz is in the form of blocky, equigranular, polygonal aggregates, of grain size 30 - 100 microns. Local grain flattening, and rare development of somewhat coarser lenses are observed.

The sericite occurs as flakes of similar size to the quartz, typically aggregated as contorted, partially disrupted wisps and compact schlieren, to 1 or 2mm in thickness. Rare, tiny, prismatic grains of tourmaline are associated.

The rock (especially the sericitic component) is extensively pervaded by diffuse limonite staining. Limonite also concentrates as a few vuggy/crustified fracture/cleavage fillings.

Rare remnant grains of disseminated pyrite survive.

The rock is of phyllitic character, and is clearly a product of recrystallization and deformation of an original argillaceous siltstone or quartzite.

SAMPLE 3 (Slide 91-220) **PHYLLITE**

Cooler Creek: 1+75s,0+70E

Estimated mode

Quartz	38
Biotite	46
Sericite	10
Tourmaline	trace
Andalusite	2
Opaque dust	3
Opaques) Limonite)	1

Macroscopic observation (see off-cut) shows that this is a minutely fine-grained, foliated, dark rock. The thin section reveals a strongly developed planar structure (cleavage?) oblique to the laminar compositional variations. However, folding (as in Sample 2) appears absent. The rock is of simple composition, and is texturally homogenous, consisting of sharply defined, varve-like alternations of biotite and quartz, on a scale of 20 - 50 microns.

The quartzose varves show more or less strong grain flattening, indicative of strong compaction between the thin, individual, sinuous to crenulate foliae of biotite. Some sets of biotitic varves are more or less contiguous (virtually lacking siliceous interlayers).

The biotite is a very pale brown in colour, with scattered, darker brown (coarser) flakes. Locally the micaceous varves appear to be composed of sericite rather than biotite. Rare traces of tourmaline are associated, as minute euhedra.

The foliation is locally emphasized by micron-sized, opaque (carbonaceous?) dust, which also tends to concentrate in the oblique cleavage. This is the cause of the overall dark colour of the rock in hand specimen.

Individual grains of opaques, 50 - 200 microns in size and commonly of elongate form, paralleling the foliation, occur sparsely scattered throughout. There are a few vuggy, limonitic partings.

The faint ovoid patches distinguishable in the off-cut are embryonic porphyroblasts of andalusite, occasionally recognizable in thin section as diffuse, irregular clusters of micron-sized, high-relief, low birefringent material, superimposed on the phyllitic fabric.

SAMPLE 4 (Slide 91-221)

SULFIDIC CARBONACEOUS CHERT/ARGILLITE

Cooler Creek at upper road; float

Estimated mode

Quartz	38
Biotite	7
Graphite	9
Pyrrhotite	45
Chalcopyrite	0.5
Sphalerite	trace

This is a dark, fine-grained rock. It shows a lensy/laminar, contorted foliation, and has a high concentration of intimately intergrown pyrrhotite.

In thin section it is found to consist of microgranular quartz, and lesser proportions of a minutely fine-grained, siltstone-like component of quartz and biotite. These occur in intimate, interlaminated and crypto-fragmental intergrowth with opaque material.

Vari-granular anhedral quartz, commonly showing parallel/curvate, elongate grain shapes, forms discrete, fragment-like, ovoid/ lenticular clumps in the opaque matrix. Finer-grained quartz, with oriented biotite flecks and wisps, occurs as thin, varve-like laminae alternating with contorted coalescent foliae of opaques. This fabric looks like the result of strong deformation of a carbonaceous/sulfidic chert/
siltstone protolith.

Reflected light examination reveals that the opaques consist partly of micron-sized, compact, graphitic material - interleaved with the wisps of biotitic silt - and partly of pyrrhotite, as intimate network impregnations of the silicate host, and as irregular lenses and pods, incorporating and cementing the quartzose clumps (recrystallized chert?).

The pyrrhotite shows more or less extensive development of striated/ diffuse, brownish alteration which emphasizes its fine-grained mosaic granularity.

Chalcopyrite is a minor accessory, as sporadic intergrown pockets, 0.05 - 0.5mm in size, in the pyrrhotite. Traces of sphalerite are sometimes associated.

The off-cut and slice show a vuggy porosity. This may be a primary feature which has subsequently been partly infilled by remobilized silica (to form the cherty blobs), or is the result of partial plucking of the latter from the soft sulfidic matrix during preparation.

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

SAMPLE	LOCATION	FLOAT/OUTCROP	DESCRIPTION
29101	50 m N of Cooler Ck on upper road	Float	4b; 5-10% laminated pyrite
29102	15+00S; 5+40W	Outcrop	4b; quartz-biotite-chlorite schist
29103	19+00S; 3+80W	Outcrop	Quartz mica schist, 4b; 3% pyrite
29104	19+00S; 2+02W	Outcrop	Quartz vein in quartz mica schist; 4b
29105	20+00S; 0+20E	Float	Quartz-sericite vein
29106	20+00S; 1+30E	Outcrop	Chlorite schist; 4b
29107	8+15S; 2+45E; along road	Float	Massive sulphide-pyrite; trace cpy, mo.
29108	1+95S; 2+25E	Float	4b; 5-10% pyrite in bands
29109	Just S. of Cooler Ck on upper road	Float	Graphitic schist; 8% pyrite trace cpy.
29110	Cooler Ck., upper road	Float	Graphitic chert sulphide; 60% pyrite
29111	W. side upper road at Cooler Ck.	Float	Graphitic sulphide; schistose; 30% pyrite; thin section
29112	8+15S; 2+45E; along road	Float	Massive sulphide-pyrite; trace cpy, mo.
29113	1+80S; 1+40E	Float	4b; quartz sweats; 3-5% pyrite
29114	1+86S; 1+35E	Outcrop	4b; graphitic; 3% pyrite
29115	1+90S; 0+75E	Float	4b; 2-3% pyrite
29116	Murder Ck. showing	Outcorp	Sericite schist; grey green phyllite; 5% pyrite
29117	Murder Ck. showing	Float	4b; 20% laminated euhedral pyrite
29118	Murder Ck. showing	Outcrop	4b; 25% laminated euhedral pyrite
29119	1+60S; 1+65E	Outcrop	4b
29120	5+00S; 2+00W	Float	4b; 3% pyrite
29121	2+00S; 0+65E	Float	4b; quartz sweats with 3% pyrite
29122	2+00S; 2+10W	Float	4b; bitotie
19660	1+90S; 0+55E	Float	4b; 2% euhedral pyrite
19661	1+90S; 0+50E	Float	Chert; siliceous siltstone
19662	2+00S, 0+50E	Outcrop	4b; cherty
19663	95+50N; 97+00E (Norex)	Float	4b; 4e
19664	0+50N; 0+05W	Float	4b; crenulated; 1% pyrite
19665	0+00; 1+75W	Float, angular	4b; crenulated, contorted; siliceous laminae
19666	0+00; 1+75W	Float, angular	4b; sulphidic chert; 50% massive pyrite
19667	Cooler Ck. at upper road	Float	Graphitic sulphide; 60-70% fine grained pyrite

SAMPLE	LOCATION	FLOAT/OUTCROP	DESCRIPTION
19668	100+00N; Downie Ck	Outcrop	Skarn; 10% pyrrhotite
19669	106+00N; 102+00E (Norex)	Float	Sericite schist; 1% pyrite
19670	105+60N; 105+00E (Norex)		Skarn; wollastonite, malachite stain
19671	Cooler Ck; between roads	Float	Massive sulphide; 60% pyrite; graphitic
19672	15+20S; 0+50W, Murder Ck	Float	Quartz vein; massive euhedral pyrite - 30%
19673	0+00; 0+50E	Float	Siliceous siltstone
19674	1+75S; 0+25E	Outcrop	4b; siliceous laminae; 2% pyrite laminae
19675	1+80S; 0+32E	Outcrop	4b; strong biotite
19676	1+85S; 0+63E	Outcrop	4b; graphitic; 3% pyritic laminae
19677	1+95S; 0+73E	Outcrop	4b; siliceous siltstone; crenulated
19678	NE side Downie Ck	Float	Massive galena in limestone host; trace chalcopyrite
19679	NE corner Mit claim	Outcrop	Skarn; marble; 5% red garnet; 1% pyrrhotite
19680	Lower road, 17 km	Float	Quartz boulders with 1% pyrite
19681	0+50N; 1+50W	Float	Hornfels
72651	Upper road; Cooler Ck	Float	4b; graphitic
72651a	Upper road; Cooler Ck	Float	Sulphide chert; siltstone
72652	100+00N; 101+00E	Outcrop	Skarn; 20% garnet
72653	100+50N; 101+10E	Outcrop	Skarn; garnets; tr cpy
72654	2+00S; 0+75E	Float	Banded pyrrhotite, graphite chert
72656	100+50N; 101+50E (Norex)	Outcrop	Skarn; 3-5% chalcopyrite
72660	18+00S; 3+50W	Float	4b; 3% euhedral pyrite along foliation
72661	Cooler Ck, Downie Ck	Outcrop	4b; 30% banded pyrrhotite; calcareous

L 6+00 W | L 5+00 W | L 4+00 W | L 3+00 W | L 2+00 W | L 1+00 W | BL 0+00 | L 1+00 E | L 2+00 E | L 3+00 E

L 1+00 N —

L 0+00 — 323 172 226 153 207 285 94 178 177 269 160 162 161 258 297 118 171 168 | 196 129 285 464 233 113 314 237 187 372 253 161 9229 320 182 210 103 244 | 247 142 205 170 994 290 293 209 323 261 469 204 268 200 264 173 136 114 135

B (0.90) 296 | B (0.75) 256 | T (0.30) 8617 M (0.60) 104 B (1.50) 210 | T (0.30) 183 B (1.50) 85

L 1+00 S — 268 176 178 173 150 339 214 250 254 211 142 204 281 215 87 186 207 140 465 192 | 226 202 329 419 407 437 353 239 341 454 470 408 279 416 1236 300 184 260 475 956

1080 +

L 2+00 S — 171 137 165 205 282 403 452 129 307 428 409 3715 1478 2991 2511 2329 1442 2418 3587 1692 2244

T (0.60) 259 B (1 20) 510 | B (0.75) 411 | 928 + | B (1.00) 1242

215 193 305 225 386 229 256 259 284 558 2927 8992 3442 4953 1884 1490 1445 463 413

T (0 30) 462 M (0.60) 601 B (1 00) 302

L 3+00 S — 137 90 232 254 205 160 90 153 143 145 364 325 226 211 2002 1096 1875 267

T (0.30) 761 M (0.60) 1706 B (1 20) 331

L 4+00 S — 130 96 113 101 98 235 241 171 236 174 188 287 231 203 143 564 204 277 137 53 94 75 76

L 5+00 S — 78 161 91 391 161 360 162 161 157 118 123 206 95 153 87 102 341 174 192 258 91 163

L 6+00 S — 152 77 103 205 80 96 81 169 175 131 131 94 110 89 64 99 132 72 99

L 7+00 S — 163 93 108 96 138 200 125 135 184 134 133 175 192 154 120 168 359 154 136

L 8+00 S — 136 137 99 256 198 159 217 153 214 113 112 131 128 187 131 156 100 91

L 9+00 S — 153 204 158 239 181 169 189 173 248 195 97 105 184 109 230 127 134

L 10+00 S — 124 132 180 78 96 102 143 145 110 101 95 119 126 168 220 245 150 77 97

L 11+00 S — 134 142 102 141 141 155 171 300 200 145 117 161 225 166 256 135 201 225 263 164 273 95 156 140 143 142 97

L 12+00 S — 173 144 199 86 202 106 71 186 147 133 173 181 205 255 143 195 91 108 158 189 149 111 172 130 143 111 95

L 13+00 S — 243 136 217 177 172 152 50 210 94 327 182 98 169 133 120 189 63 103 167 171

L 14+00 S — 253 254 201 82 176 197 131 182 172 144 144 137 152 173 188 162 165 150 68 150 168

L 15+00 S — 118 135 197 225 68 164 144 173 132 112 128 62 111 193 256 226 231 217 249 231 197 197 229

164

L 16+00 S — 125 101 136 106 140 209

L 17+00 S — 130 110 124 63 46 120 80 46

L 18+00 S — 229 288 315 547 1084 300 234 172 105 63 51 96 70 91 36 101

L 19+00 S — 233 311 135 181 139 125 119 72 65 145 117 44 116 102

L 20+00 S — 169 57 57 94 95 88 163 79 62 104 139 90 113 128

L 21+00 S — 261 85 95 127 75 333 123 67 100 48 95 121 114 145 132 86

L 6+00 W | L 5+00 W | L 4+00 W | L 3+00 W | L 2+00 W | L 1+00 W | BL 0+00 | L 1+00 E | L 2+00 E | L 3+00 E

T (0.60) 24

T, M, B — (Top, Middle, Bottom of B horizon soil pit)
(0.60) — Depth in metres
24 — ppm

Anomaluos Area ≥ 359 ppm

0 50 100 150 200
metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,855

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 5
RAIN PROPERTY
MURDER CREEK PROJECT
SOIL GEOCHEMISTRY
(B - HORIZON)
ZINC PPM
British Columbia
NTS 82M/8E

October 1991 XY3

T (0.60) 24

T, M, B	(Top, Middle, Bottom of B horizon soil pit)
(0.60)	Depth in metres
24	ppm

Anomalous Area ≥ 75 ppm

0 50 100 150 200
metres

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 6

RAIN PROPERTY
MURDER CREEK PROJECT

SOIL GEOCHEMISTRY
(B - HORIZON)
COPPER PPM

British Columbia
NTS 82M/8E

October 1991 XY3

L 6+00 W | L 5+00 W | L 4+00 W | L 3+00 W | L 2+00 W | L 1+00 W | BL 0+00 | L 1+00 E | L 2+00 E | L 3+00 E

L 1+00 N
0 0 0 0 10 0 0 5 0 5 8 22 0 35 80 0 21 0

L 0+00
B (0.90) 21 B (0.75) 24
T (0.30) 8
M (0.60) 28
B (1.50) 35
0 0 4 14 0 0 19 8 18 4 8 9 14 16 20 22 14 0
T (0.30) 46
B (1.50) 16
0 2 10 0 107 23 0 6 10 12 29 13 22 44 69 41 12 18 17

L 1+00 S
0 9 0 0 0 7 0 9 24 22 10 15 20 7 14 46 32 0 31 46
0 10 21 31 0 0 6 38 31 33 24 87 0 8 69 50 14 45 20 40

L 2+00 S
B (0.75) 19
37 +
2 9 0 7 14 35 15 11 75 32 3 87 30 73 81 95 17 67 120 22 32
T (0.60) 36
B (1.20) 9
76 +
B (1.00) 14
0 17 20 14 19 12 22 0 0 16 79 157 78 118 86 85 43 135 6

L 3+00 S
0 0 3 10 0 0 0 0 10 10 0 3 0 39 56 57 40 50
T (0.30) 2
M (0.60) 79
B (1.20) 70
T (0.30) 65
M (0.60) 28
B (1 00) 107

L 4+00 S
23 10 13 15 11 0 0 15 2 4 0 5 25 5 20 0 26 66 37 10 31 18 3

L 5+00 S
16 13 0 0 0 14 24 19 11 12 0 0 9 14 32 18 0 0 32 2 33 23

L 6+00 S
0 12 32 29 15 9 7 19 15 17 5 11 0 26 34 21 26 15 27

L 7+00 S
40 14 8 5 18 25 10 20 40 21 15 18 111 63 19 26 34 41 59

L 8+00 S
20 21 14 8 14 16 16 22 3 24 6 42 16 14 13 50 0 4

L 9+00 S
18 2 12 6 14 2 19 19 27 0 26 27 25 20 19 48 13

L 10+00 S
23 20 21 22 29 26 30 43 17 12 22 27 39 22 79 24 24 13 30

L 11+00 S
23 18 23 29 31 27 62 19 5 35 28 28 43 27 53 0 23 5 8 18 23 18 7 42 40 44 36

L 12+00 S
24 8 14 9 12 20 17 9 0 13 34 41 28 18 28 35 28 35 37 59 42 20 18 22 32 17 42

L 13+00 S
17 35 33 10 19 30 0 18 19 20 20 36 26 22 25 28 13 20 34 54

L 14+00 S
29 30 61 19 94 23 35 34 27 29 29 22 20 39 21 72 47 48 11 40 56

L 15+00 S
23 23 35 45 25 28 31 37 23 13 19 9 42 113 47 41 41 54 48 40 36 27 20
26

L 16+00 S
23 11 34 39 40 30

L 17+00 S
34 22 23 24 18 29 40 10

L 18+00 S
67 63 50 104 24 54 57 57 22 22 28 27 31 31 7 49

L 19+00 S
41 44 28 39 28 39 38 17 19 38 31 9 32 26

L 20+00 S
37 9 0 20 27 27 37 10 6 24 99 17 29 35

L 21+00 S
78 26 25 32 30 48 26 15 37 18 32 22 51 45 32 32

L 6+00 W | L 5+00 W | L 4+00 W | L 3+00 W | L 2+00 W | L 1+00 W | BL 0+00 | L 1+00 E | L 2+00 E | L 3+00 E

T (0.60) 24

T, M, B (Top, Middle, Bottom of B horizon soil pit)
(0.60) Depth in metres
24 ppm

Anomaluos Area ≥ 50 ppm

0 50 100 150 200
metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,855

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 7
RAIN PROPERTY
MURDER CREEK PROJECT
SOIL GEOCHEMISTRY
(B - HORIZON)
LEAD PPM
British Columbia
NTS 82M/8E

October 1991 XY3

L 6+00 W | L 5+00 W | L 4+00 W | L 3+00 W | L 2+00 W | L 1+00 W | BL 0+00 | L 1+00 E | L 2+00 E | L 3+00 E

L 1+00 N
.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

L 0+00
.9 1.9 .9 1.3 .8 .8 .6 .6 .6 .8 .7 .7 .6 .4 .9 .6 .6 .5

.0 .0 .0 .0 1.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

L 1+00 S
.6 .5 .9 1.0 .8 1.0 1.0 1.0 .7 1.0 .5 .8 .9 1.0 .3 .5 .5 .7 .7 .6

1.3 .0 .0 .0 .0 .2 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.0

L 2+00 S
.3 .4 .3 .2 .6 .3 .6 .4 .6 .8 1.1 1.2 .6 .6 .7 1.0 .2 .8 .6 .6 .9

.0

.0 .0 .0 .0 .0 .0 .0 .0 .0 1.1 .0 .0 .0 .4 .0 .0 .0 .0 .0

L 3+00 S
.4 .7 .2 .5 .7 .3 .2 .3 .5 .4 1.5 .8 .7 .7 .4 .7 1.0 .4

L 4+00 S
.2 .3 .1 .2 .1 .4 .4 .3 .5 .5 .4 .4 1.1 .8 .3 .6 .3 .4 .6 .4 .4 .4 .4

L 5+00 S
.4 .3 .2 .2 .8 .9 .1 .2 .3 .4 .4 .4 .3 .6 .5 .3 .9 .9 .5 .6 .4 .4

L 6+00 S
.6 .0 .1 .0 .0 .1 .3 .3 .1 .3 .0 .0 .5 .4 .3 .4 .4 .5 .2

L 7+00 S
.2 .0 .0 .0 .1 .0 .1 .0 .1 .2 .0 .1 .2 .3 .4 .4 .3 .3 .3

L 8+00 S
.1 .0 .1 .2 .4 .2 .1 .2 .1 .1 .1 .1 .2 .1 .0 .2 .4 .2

L 9+00 S
.1 .2 .2 .1 .0 .2 .2 .1 .1 .1 .0 .3 .2 .3 .3 .4 .3

L 10+00 S
.4 .4 .3 .2 .3 .4 .4 .5 .3 .4 .4 .3 .4 .4 .3 .5 .3 .3 .2

L 11+00 S
.2 .2 .0 .0 .1 .0 .0 .2 .1 .0 .1 .1 .1 .1 .7 .3 .4 .6 .3 .4 .3 .0 .3 .3 .3 .1 .1

L 12+00 S
.2 .1 .2 .5 .4 .2 .1 .3 .1 .3 .3 .3 .5 .6 .5 .1 .3 .0 .0 .0 .1 .2 .3 .4 .4 .2 .3

L 13+00 S
.2 .1 .3 .3 .3 .2 .3 .4 .2 1.0 .3 .2 .3 .1 .2 .2 .1 .2 .3 .2

L 14+00 S
1.0 .7 .4 .6 .8 .5 .3 .5 .3 .2 .3 .3 .4 .4 .3 .2 .2 .2 .4 .2 .3

L 15+00 S
.5 .1 .2 .3 .1 .3 .0 .0 .5 .0 .0 .0 .2 .1 .5 .4 .2 .4 .5 .2 .5 .3 .4

.2

L 16+00 S
.1 .2 .1 .0 .2 .2

L 17+00 S
.2 .2 .3 .0 .3 .2 .3 .1

L 18+00 S
.8 .5 .6 2.4 .6 .6 .4 .3 .2 .2 .1 .4 .2 .1 .2 .1

L 19+00 S
.3 .4 .1 .0 .2 .4 .1 .2 .1 .2 .2 .3 .2 .3

L 20+00 S
.0 .2 .1 .2 .2 .1 .2 .0 .0 .3 .3 .1 .1 .0

L 21+00 S
.5 .4 .3 .3 .4 .6 .1 .1 .2 .3 .3 .2 .1 .2 .2 .2

L 6+00 W | L 5+00 W | L 4+00 W | L 3+00 W | L 2+00 W | L 1+00 W | BL 0+00 | L 1+00 E | L 2+00 E | L 3+00 E

GEOLOGICAL BRANCH
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0 50 100 150 200
metres

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 8
RAIN PROPERTY
MURDER CREEK PROJECT
SOIL GEOCHEMISTRY
(B - HORIZON)
SILVER PPM
British Columbia
NTS 82M/8E

October 1991 XY3

L 6+00 W | L 5+00 W | L 4+00 W | L 3+00 W | L 2+00 W | L 1+00 W | BL 0+00 | L 1+00 E | L 2+00 E | L 3+00 E

L 1+00 N
611 1000 3101 948 1597 2039 169 445 736 1045 2570 1180 897 3731 2275 789 1220 1715

L 0+00
927 1086 3146 3871 2887 325 1430 1638 2427 2227 940 1773 1450 435 2959 1747 972 1637

2854 583 1513 1959 4925 2330 954 1520 1231 1671 2355 897 2429 1755 3425 2398 1214 725 1049

L 1+00 S
1669 631 795 632 1880 3057 919 2912 1692 2562 1369 1353 1551 2194 336 5082 1924 834 2277 1747

6811 2014 2142 1207 1073 1667 2756 1869 2125 1091 812 1048 892 1878 4008 1074 876 938 3802 1789

1718

L 2+00 S
1706 810 321 438 2409 952 2466 1197 3122 5406 689 1293 970 831 1300 911 570 853 1493 625 1939

1349

610 2051 986 1041 6363 882 1121 2676 1264 1385 1943 2225 1176 1359 1197 2495 1598 2187 762

L 3+00 S
2590 1801 555 604 1763 482 480 470 2774 336 1567 2441 3957 2112 921 4788 6554 1688

L 4+00 S
1587 1301 464 578 325 1353 1417 3475 2749 2028 583 2705 3386 2456 643 4605 1407 2507 2833 900 1105 327 312

L 5+00 S
875 571 541 1587 2625 6261 1033 671 1325 875 1665 1901 570 1889 425 336 8594 7009 815 1343 481 1388

L 6+00 S
1272 461 1348 2973 363 351 820 1340 1736 597 911 506 917 609 705 1368 1752 871 798

L 7+00 S
1932 714 558 291 1197 2373 1108 905 933 1205 2307 849 1329 1777 337 529 2238 1908 502

L 8+00 S
1447 1115 525 2095 5504 888 2358 773 1649 421 718 840 1213 575 411 807 2237 536

L 9+00 S
2664 896 651 1004 538 629 1047 1271 3033 2010 636 850 1772 286 504 1195 1193

L 10+00 S
1069 791 1399 360 933 762 619 1205 595 644 1292 539 523 1276 1243 3389 970 172 372

L 11+00 S
1161 3747 534 1179 874 1073 1539 3659 3432 819 1109 2144 2374 786 5110 832 1171 4900 2115 1681 1079 998 2017 1280 699 912 1264

L 12+00 S
1938 1207 3203 991 1205 830 422 2992 947 1644 2646 1973 3084 3102 818 591 1149 692 1191 1960 1786 321 415 278 347 615 578

L 13+00 S
1497 979 3491 397 1276 535 356 4838 1535 7104 770 1066 963 237 450 2195 206 870 1254 1354

L 14+00 S
4078 2892 1901 2485 2664 1919 1039 1780 1305 1318 1440 1144 1472 2458 1476 2826 1768 588 355 761 1706

L 15+00 S
601 368 1369 2325 190 996 799 1735 439 1816 1042 183 989 2006 2149 1634 1844 3299 2273 1596 1449 1671 1991

1365

L 16+00 S
384 652 1275 804 1675 3706

L 17+00 S
883 354 1158 465 229 1152 896 114

L 18+00 S
2692 5136 1598 11528 20000 3079 2082 2647 424 310 240 1013 429 373 93 1166

L 19+00 S
1243 2767 288 5664 633 1751 797 354 332 1796 943 148 609 374

L 20+00 S
2411 233 122 371 509 799 1960 560 274 996 2389 589 1372 590

L 21+00 S
1477 455 760 3965 259 4445 619 330 922 208 729 1074 1045 1625 1245 310

0 50 100 150 200
metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

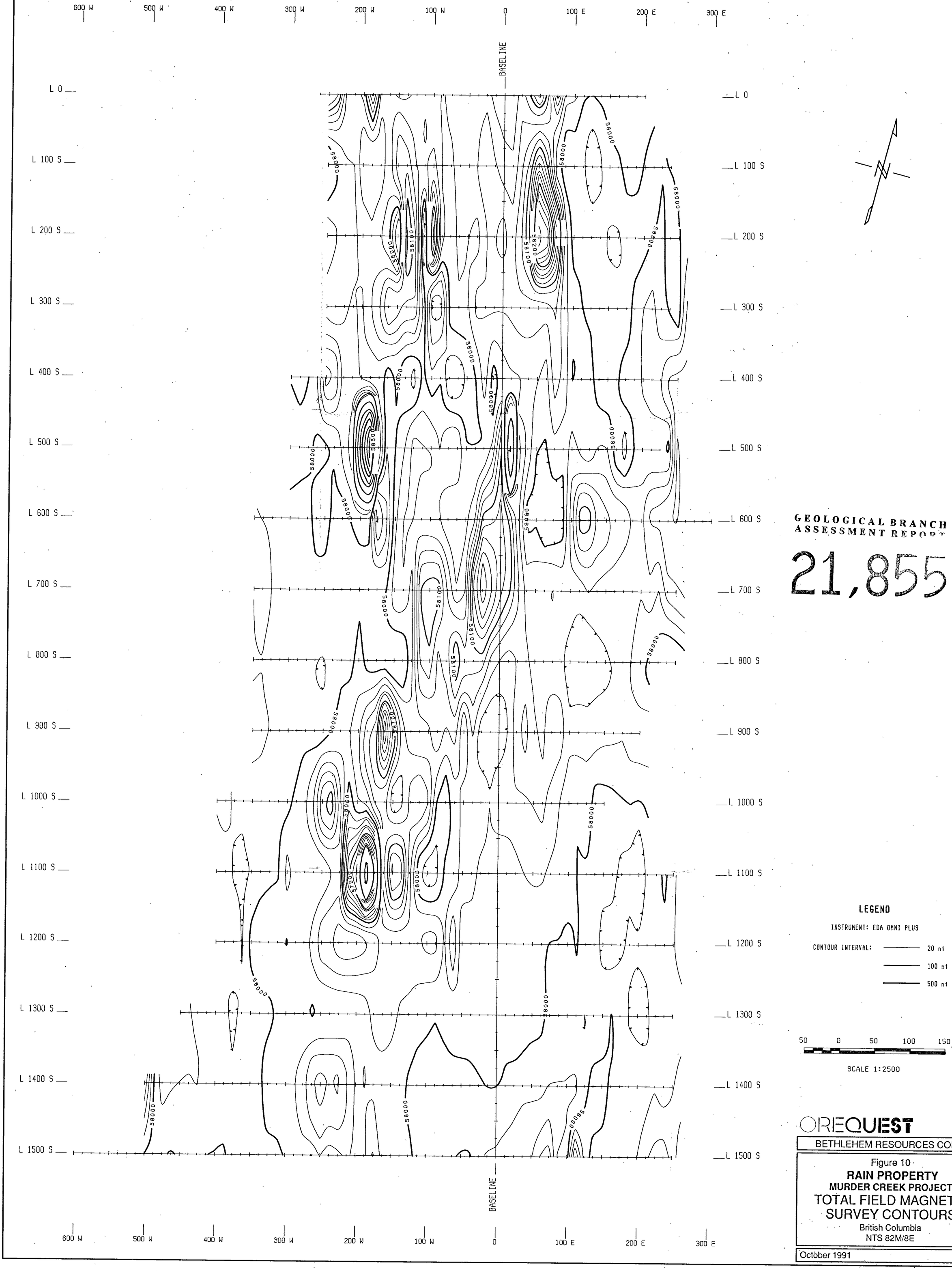
21,855

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 9
RAIN PROPERTY
MURDER CREEK PROJECT
SOIL GEOCHEMISTRY
(B - HORIZON)
MANGANESE PPM
British Columbia
NTS 82M/8E

October 1991 XY3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,855

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 10

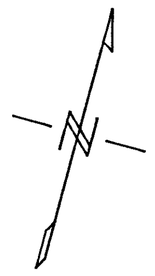
RAIN PROPERTY
MURDER CREEK PROJECT
TOTAL FIELD MAGNETIC SURVEY CONTOURS
British Columbia
NTS 82M/8E

October 1991 XY3

600 W | 500 W | 400 W | 300 W | 200 W | 100 W | 0 | 100 E | 200 E | 300 E

BASELINE

L 0 — L 100 S — L 200 S — L 300 S — L 400 S — L 500 S — L 600 S — L 700 S — L 800 S — L 900 S — L 1000 S — L 1100 S — L 1200 S — L 1300 S — L 1400 S — L 1500 S



LEGEND

INSTRUMENT: EDA OMNI PLUS

TRANSMITTER:HAWAII (NPM 23.4 KHZ)

IN-PHASE ———

QUADRATURE — — —

PROFILE SCALE: 1 Cm = 20 %

FIELD STRENGTH ——·——·

PROFILE SCALE: 1 Cm = 5 Units

BASE LEVEL: 15 Units

ANOMALY LOCATION ○

CONDUCTOR AXIS ———

50 0 50 100 150

SCALE 1:2500

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 11

RAIN PROPERTY

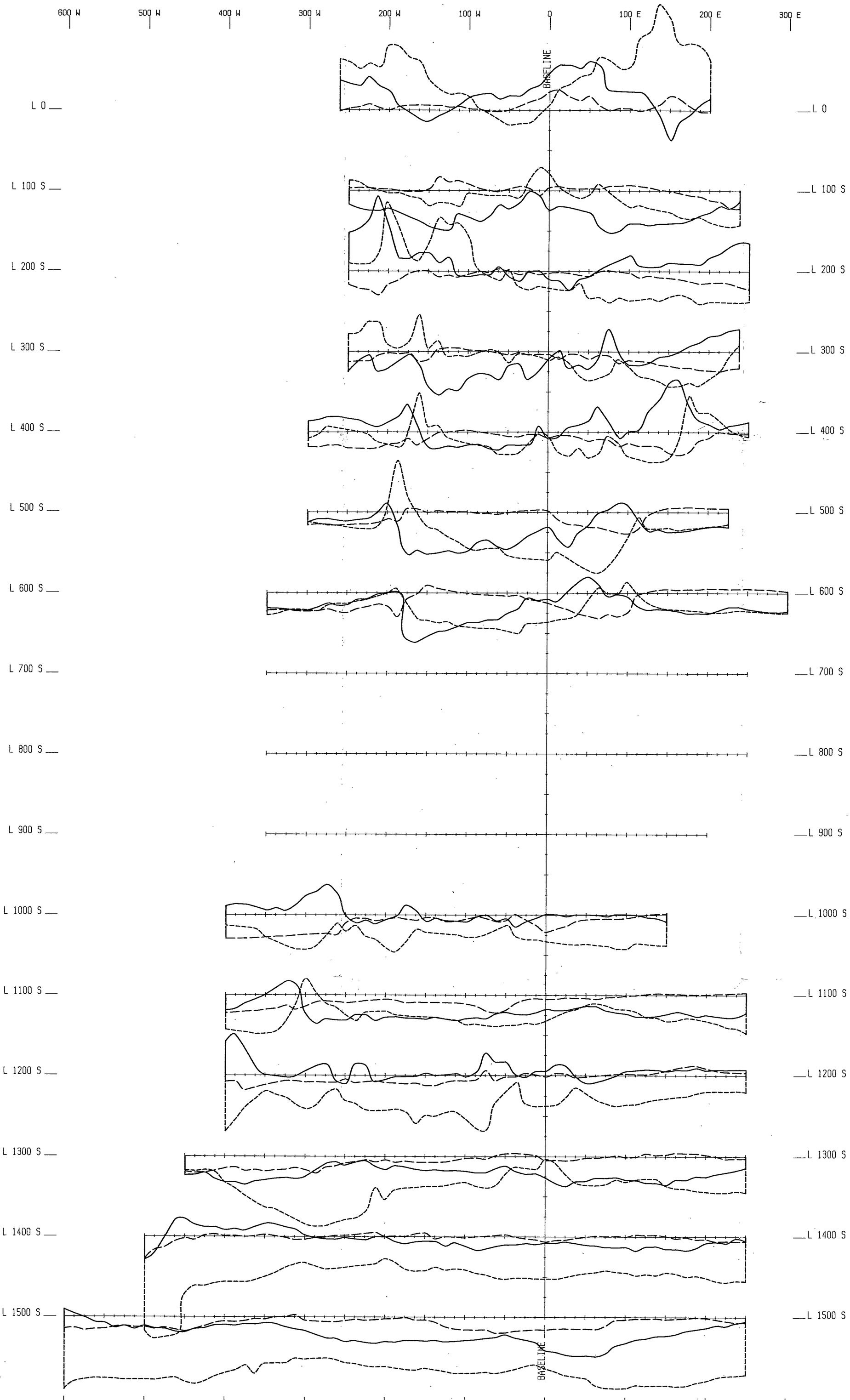
MURDER CREEK PROJECT

VLF-EM SURVEY PROFILES

HAWAII (NPM 23.4 KHZ)

British Columbia
NTS 82M/8E

October 1991 XY3



LEGEND

INSTRUMENT: EDA OMNI PLUS

TRANSMITTER:SEATTLE (NLK 24.8 KHZ)

IN-PHASE ———

QUADRATURE — — —

PROFILE SCALE: 1 Cm = 20 %

FIELD STRENGTH — · — · —

PROFILE SCALE: 1 Cm = 20 Units

BASE LEVEL: 180 Units

ANOMALY LOCATION ○

CONDUCTOR AXIS ———

50 0 50 100 150

SCALE 1:2500

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 11a

RAIN PROPERTY

MURDER CREEK PROJECT

VLF-EM SURVEY PROFILES

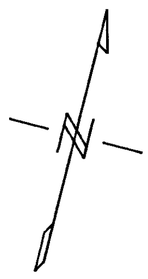
SEATTLE (NLK 24.8 KHZ)

British Columbia
NTS 82M/8E

October 1991 XY3

600 W 500 W 400 W 300 W 200 W 100 W BASELINE 0 100 E 200 E 300 E

L 0 L 100 S L 200 S L 300 S L 400 S L 500 S L 600 S L 700 S L 800 S L 900 S L 1000 S L 1100 S L 1200 S L 1300 S L 1400 S L 1500 S



LEGEND

INSTRUMENT: GEM GSM-19

TRANSMITTER: HAWAII (NPM 23.4 KHZ)

CONTOUR INTERVAL: 5 %, 25 %, 50 %

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,855

50 0 50 100 150

SCALE 1:2500

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 12
RAIN PROPERTY
MURDER CREEK PROJECT
VLF-EM FRASER
FILTERED DATA
HAWAII (NPM 23.4 KHZ)
British Columbia
NTS 82M/8E

October 1991 XY3

ICAP GEOCHEMICAL ANALYSIS

A 0.5 gram sample is digested with 5 ml of 3, 1, 2 HCL to HNO2 to H2O at 95°C for 90 minutes and is diluted to 10 ml with water
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W

Sample No	Ag ppm	Al %	As ppm	Au ppb	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
29101	1.4	0.94	<3	40	<1	<3	0.34	<0.1	34	<1	377	9.99	<0.01	0.05	1158	57	<0.01	71	0.02	49	<2	<2	37	<5	<3	39
29102	1.0	0.66	<3	10	69	5	>10	0.5	11	<1	112	2.33	<0.01	0.09	1901	<1	<0.01	<1	0.04	115	<2	<2	396	<5	<3	49
29103	0.5	1.74	<3	10	61	<3	0.52	0.6	7	<1	121	2.92	<0.01	0.30	128	<1	0.03	<1	0.02	<2	<2	<2	29	<5	<3	94
29104	0.2	0.78	<3	<5	108	<3	>10	0.4	3	<1	21	1.30	<0.01	0.14	680	<1	<0.01	<1	0.01	4	<2	<2	475	<5	<3	34
29105	<0.1	0.06	<3	20	12	<3	0.61	0.6	<1	<1	9	0.67	<0.01	<0.01	305	<1	0.01	<1	0.04	3	<2	<2	46	<5	<3	10
29106	0.5	0.21	<3	<5	77	<3	>10	<0.1	4	<1	11	8.13	<0.01	0.05	2895	<1	<0.01	<1	0.01	8	<2	<2	77	<5	<3	54
29107	1.8	0.20	<3	<5	<1	<3	0.46	<0.1	158	<1	1538	>10	<0.01	<0.01	250	23	<0.01	394	0.01	17	<2	<2	8	<5	<3	83
29108	2.4	1.23	<3	20	<1	<3	1.75	<0.1	8	<1	941	>10	<0.01	0.16	2287	<1	<0.01	253	0.10	35	<2	<2	20	<5	<3	49
29109	3.0	1.22	<3	80	<1	<3	0.73	3.0	14	<1	733	>10	<0.01	0.06	1188	19	<0.01	265	0.06	49	<2	<2	40	<5	<3	282
29110	1.0	0.17	18	50	<1	<3	0.17	17	5	<1	58	>10	<0.01	<0.01	133	<1	<0.01	<1	0.02	36	<2	<2	4	<5	<3	484
29111	3.7	0.76	<3	110	<1	<3	0.45	3.4	27	<1	850	>10	<0.01	0.02	758	14	<0.01	371	0.05	71	<2	<2	11	<5	<3	598
29112	1.7	0.24	<3	10	<1	<3	0.24	<0.1	150	<1	2067	>10	<0.01	<0.01	287	38	<0.01	390	0.01	21	<2	<2	6	<5	<3	139
29113	0.9	0.95	<3	140	<1	<3	0.54	<0.1	134	<1	696	>10	<0.01	0.05	79	<1	<0.01	148	0.01	23	<2	<2	32	<5	<3	67
29114	0.8	1.28	<3	140	<1	<3	1.00	<0.1	94	<1	528	>10	<0.01	0.06	100	<1	0.01	82	0.01	13	<2	<2	49	<5	<3	76
29115	0.7	7.70	<3	20	36	<3	2.56	<0.1	30	<1	122	4.68	<0.01	0.60	563	<1	0.28	<1	0.04	<2	<2	<2	157	<5	<3	183
29116	0.5	2.33	<3	20	240	<3	0.13	<0.1	21	<1	124	5.35	<0.01	0.22	395	<1	0.01	<1	0.01	<2	<2	<2	11	<5	<3	127
29117	1.6	1.49	<3	30	1	<3	0.67	<0.1	31	<1	474	>10	<0.01	0.04	10303	<1	<0.01	157	0.05	48	<2	<2	24	<5	<3	215
29118	1.1	2.54	276	40	<1	<3	1.20	<0.1	85	<1	992	>10	<0.01	0.09	4526	<1	<0.01	161	0.11	7	<2	<2	33	<5	<3	218
29119	0.4	5.79	<3	<5	134	<3	0.66	<0.1	10	<1	72	>10	<0.01	0.15	1675	<1	0.01	<1	0.03	<2	<2	<2	54	<5	<3	198
29120	0.2	1.95	<3	<5	231	<3	0.11	<0.1	13	<1	62	4.12	<0.01	0.09	1149	<1	0.05	<1	0.01	3	<2	<2	14	<5	<3	241
29121	0.6	6.82	<3	20	56	<3	2.87	<0.1	26	<1	132	4.09	<0.01	0.43	572	<1	0.37	<1	0.35	<2	<2	<2	155	<5	<3	172
29122	0.3	9.18	<3	<5	262	<3	2.73	<0.1	26	<1	9	4.57	<0.01	0.29	695	<1	0.47	<1	0.01	<2	<2	<2	146	<5	<3	93
19660	0.5	1.61	30		32	<3	0.71	4.4	35	44	508	8.42	2.36	1.07	1295	8	<0.01	73	0.03	3	<2	9	31	<5	<3	221
19661	<0.1	0.34	82		40	10	2.20	1.5	14	<1	69	1.79	1.25	0.24	6249	<1	<0.01	32	0.01	22	3	<2	46	<5	<3	131
19662	1.0	4.12	58		28	<3	2.09	2.9	28	66	196	3.49	3.00	1.74	1042	18	0.41	80	0.03	11	<2	29	124	<5	<3	169
19663	0.2	1.68	4		49	<3	0.84	1.9	13	39	74	2.11	1.32	0.50	660	<1	0.08	15	0.01	9	3	14	47	<5	<3	255
19664	1.0	0.81	16		319	<3	0.22	1.3	4	128	105	2.01	1.17	0.33	248	12	0.12	<1	0.01	241	<2	<2	27	<5	<3	76
19665	1.1	1.51	54		57	<3	1.62	10.5	17	56	488	>10	5.01	0.39	3442	20	<0.01	236	0.08	52	<2	25	50	<5	<3	1016
19666	9.7	1.42	<3		26	<3	0.72	12.1	30	99	480	>10	5.43	0.28	1818	35	<0.01	407	0.05	3701	<2	14	24	<5	<3	910
19667	3.8	0.81	23		20	<3	0.71	3.4	38	34	1012	>10	5.26	0.18	758	36	<0.01	547	0.05	430	<2	29	63	<5	<3	220
19668	0.1	2.80	<3		64	<3	1.45	2.2	42	217	271	7.65	2.96	0.63	420	<1	0.13	120	0.01	93	<2	15	79	<5	<3	91
19669	<0.1	1.59	<3		209	<3	0.46	0.6	28	62	67	2.19	1.54	0.50	209	<1	0.08	41	0.01	56	3	<2	21	<5	<3	44
19670	0.4	0.45	<3		267	<3	6.90	1.4	58	<1	3635	3.08	2.41	0.47	473	<1	0.02	22	0.01	30	<2	6	97	<5	<3	46
19671	3.3	0.58	54		50	<3	1.17	3.0	23	44	1414	>10	5.27	0.18	648	39	<0.01	461	0.03	82	<2	29	44	<5	<3	227
19672	0.2	0.16	<3		18	<3	0.24	1.2	239	384	470	8.43	2.14	0.06	180	<1	<0.01	248	0.01	27	<2	<2	9	<5	<3	51
19673	0.3	3.79	32		291	<3	1.60	0.2	48	76	213	4.25	2.72	1.47	785	1	0.05	54	0.02	<2	<2	16	70	<5	<3	178
19674	4.5	4.44	<3		250	<3	2.11	2.1	28	99	199	3.58	3.30	2.04	506	15	0.23	38	0.05	1920	<2	29	111	<5	<3	191
19675	1.5	3.97	<3		158	<3	4.37	1.2	20	84	140	3.62	2.88	2.10	533	4	0.14	37	0.05	732	<2	14	280	<5	<3	149
19676	2.6	2.77	62		52	<3	2.20	1.8	21	115	319	>10	4.51	0.64	3318	28	<0.01	186	0.08	686	<2	23	78	<5	<3	290
19677	0.6	5.15	29		148	<3	1.01	1.5	38	80	193	7.83	3.27	1.72	938	<1	0.11	64	0.02	148	<2	18	56	<5	<3	182
19679	0.6	0.82	<3		96	<3	>10	0.9	8	<1	268	1.54	3.32	3.36	1053	<1	<0.03	3	<0.01	134	<2	<2	138	<5	<3	47
19680	3.1	0.26	<3		26	<3	2.01	0.6	326	<1	1098	>10	5.23	0.43	196	<1	<0.01	960	<0.01	1371	<2	6	23	<5	<3	53
19681	0.3	1.49	<3		23	<3	>10	1.9	17	<1	84	1.89	4.21	0.29	498	2	0.07	174	0.01	77	<2	<2	314	<5	<3	89
72651	2.0	1.39	459		22	<3	5.06	2.9	22	243	449	>10	4.79	0.41	3889	24	0.01	273	0.09	70	<2	17	93	<5	<3	403
72651A (NO TAG)	2.0	1.39	467		17	<3	2.41	2.8	23	317	474	>10	4.59	0.43	3115	27	<0.01	342	0.10	62	<2	23	82	<5	<3	553
72652	1.2	0.82	53		17	<3	2.13	1.6	40	55	613	>10	4.05	0.24	1177	9	<0.01	253	0.08	33	<2	14	67	<5	<3	129
72653	1.2	0.83	5		9	<3	2.10	1.3	26	20	454	8.94	2.98	0.12	7394	4	0.01	177	0.10	20	<2	6	32	<5	<3	58
72654	2.3	1.30	158		8	<3	0.52	14.3	28	47	543	>10	8.31	0.18	2042	76	<0.01	564	0.03	76	<2	33	19	<5	<3	1404
72656	10.2	1.19	471		25	<3	0.81	22.7	325	271	>20000	7.55	2.62	0.54	628	251	<0.01	140	0.02	48	<2	<2	41	<5	<3	3888
72660	0.3	1.87	76		90	<3	0.18	4.2	62	39	3926	4.26	1.66	1.35	244	28	<0.01	31	0.01	3	<2	<2	11	<5	<3	702
72661	2.3	1.68	178		54	<3	6.13	5.9	23	102	1284	>10	6.24	0.97	7925	21	<0.01	248	0.05	158	<2	17	103	<5	<3	769
Minimum Detection	0.1	0.01	3	5	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	10000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum   > - Greater Than Maximum   Au analysis Done By Fire Assay Concentration / AAS Finish

LEGEND

Lardeau Group - Paleozoic

- 4F Quartz- Chlorite - Sericite Schist, minor Marble, Quartzite
- 4E Marble
- 4D Sulphide Layer
- 4C "Garnet Zone" cherty and graphitic schist
- 4B Quartz - Graphite - Biotite Schist, strongly calcareous
- 4A Talc Schist

Badshot Formation - Paleozoic

- 3B Marble
- 3A Calc Schist

Hamill Group

- 2B Quartzite
- 2A Quartz - Biotite - Muscovite Schist, Quartzite

Horsethief Creek - Proterozoic

- 1B Dolomite, Micaceous Quartzite, Chlorite Schist
- 1A Marble
- I Intrusive Rocks - Cretaceous
- M Magnetic High

BETHLEHEM VLF- EM Conductor Axis
NORANDA VLF-EM Conductor Axis
BETHLEHEM Zinc Anomaly : 350 ppm Zinc
BETHLEHEM Copper Anomaly : 75 ppm Copper
NORANDA Zinc Anomaly : 250 ppm Zinc
NORANDA Copper Anomaly . 50 ppm Copper
△ 29110 Outcrop Rock Sample Location with Sample Number
▲ 29110 Float Rock Sample Location
Geological Contact - defined, assumed, inferred
30° 38° Attitude of Bedding, Primary Foliation
Road
Fault

0 100 200 300 400
metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,855

OREQUEST

BETHLEHEM RESOURCES CORP.

Figure 13
RAIN PROPERTY
MURDER CREEK PROJECT
COMPILATION MAP

British Columbia
NTS 82M/8E

October 1991 XY3