MAP NO: 106C/13,14

ASSESSMENT REPORT: X

DOCUMENT NO: 093268

PROSPECTUS:

MINING DISTRICT: Mayo

CONFIDENTIAL: X

TYPE OF WORK: Geological, Geochemical

OPEN FILE:

REPORT FILED UNDER: Newmont Exploration

DATE PERFORMED: June 1-July 20, 1994

DATE FILED: February 1, 1995

LATITUDE: 64 51

AREA: Delores Creek

LONGITUDE: 133 29

VALUE: $17,700

CLAIM NAME AND #: Pika 1-60

WORK DONE BY: Pamicon Developments Ltd

WORK DONE FOR: Newmont Exploration

DATE TO GOOD STANDING	

REMARKS: The Pika 1-36 were staked on mineralization reported by Thorkelson at the 1993 Yukon Geoscience Forum. The Pika 37-60 were staked on anomalous stream sediment samples collected from the drainage to the west of the original Pika claims and follow-up prospecting which led to the discovery of the Coope showing. The Coope showing is exposed for 100 meters along a northwest flowing creek and is characterized by semi-continuous zones of chalcopyrite, pyrite, hematite and carbonate stockwork and veining. Assays up to 40 ppb Au were obtained and two chip samples across 2.0 meters assayed 2.04% Cu and 1.78% Cu. A showing approximately 300 meters west of the Pika and consists of chalcopyrite in quartz-carbonate veins and small stockwork zones within siltstone. assays up to 9.08% Cu and 20.0 ppm Ag were obtained.

1994 GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT ON THE PIKA 1-60 CLAIMS

093268

Located in the Dolores Creek Area
Mayo Mining District
Yukon Territory, Canada
NTS 106C/13, C/14
64° 51' North Latitude
133° 29' West Longitude

-prepared for-
NEWMONT EXPLORATION LIMITED
Denver, Colorado
-prepared by-
PAMICON DEVELOPMENTS LIMITED
Michael A. Stammers, P.Geo.

DATES OF WORK PERFORMED: June 1 - July 20, 1994
DATE OF REPORT: January 1995

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 17,700.

M. Burke

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

1994 GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE PIKA 1-60 CLAIMS

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1.0 CONCLUSIONS AND RECOMMENDATIONS

The Pika 1-36 claims were staked in late November 1993 to cover extensive, good grade copper mineralization reported by D. Thorkelson of the Canada-Yukon Geoscience office (Oral Presentation to the Yukon Geoscience Forum, November 1993). He described disseminated chalcopyrite occurring in diorite, breccia and also within Gillespie Lake Group dolomite along the Pinguicula contact and inferred the latter mineralization to represent a supergene enrichment zone along the unconformity between the breccia and overlying Pinguicula sediments. Our examination of this zone showed no clear evidence to suggest that this mineralization represents a supergene product. Minor to 1% chalcopyrite occurs sporadically within breccia and diorite as disseminations and blebs and in general, copper-gold mineralization is quite low grade. No further work is recommended for the Pika Showing area at this time.

Stream sediment samples collected by Newmont in 1968 (Costin and Gilbert, 1968) from the drainage immediately to the west of the Pika 1-36 returned consistently highly anomalous copper results. Follow-up prospecting in this basin lead to the discovery of a significant new copper showing named the Coope. The Pika 37-60 claims were staked to cover this occurrence which is exposed for approximately 100 metres along a northwest flowing creek and is characterized by semi-continuous zones of chalcopyrite, pyrite, hematite and carbonate stockwork and veining. Assay results for this showing returned near background gold to a high of 40 ppb Au, and two chip samples across 2.0 metres returned 2.04% and 1.78% Cu.

Retention of the entire Pika 1-60 claim group is recommended at this time and additional exploration work including grid establishment, soil geochemistry, 1:2500 geological mapping, IP geophysical surveys followed by diamond drilling is warranted for the Coope showing area.

2.0 INTRODUCTION

This assessment report describes exploration work completed on the Pika 1-60 claims during the period June 1 to July 20, 1994. Only that work completed after June 30, 1994 has been applied to the Pika 37-60 mineral claims (refer to Appendix C).

The Pika 1-60 claims are located in the Wernecke Mountains, approximately 181 kilometres northeast of Mayo in east central Yukon (Figure 1). Situated in the Dolores Creek valley, approximately 18 kilometres southeast of Fairchild Lake, the property is accessible by air or by the nearby winter cat trail. The claims are underlain by a weakly metamorphosed, faulted and folded sequence of Proterozoic, Wernecke Supergroup sedimentary strata that has been intruded by hematite breccias and cut by mafic sills and dykes in contact with Pinguicula Group sediments.

Recent publication of data on the giant Olympic Dam copper-gold-silver-uranium deposit in Australia lead to the development of applying this deposit model to the Wernecke Supergroup strata and related hematite breccia complexes with its widely documented copper-uranium-gold-cobalt occurrences. It was on this basis that the property was acquired through staking the Pika 1-36 in December 1993 and the Pika 37-60 in June 1994.

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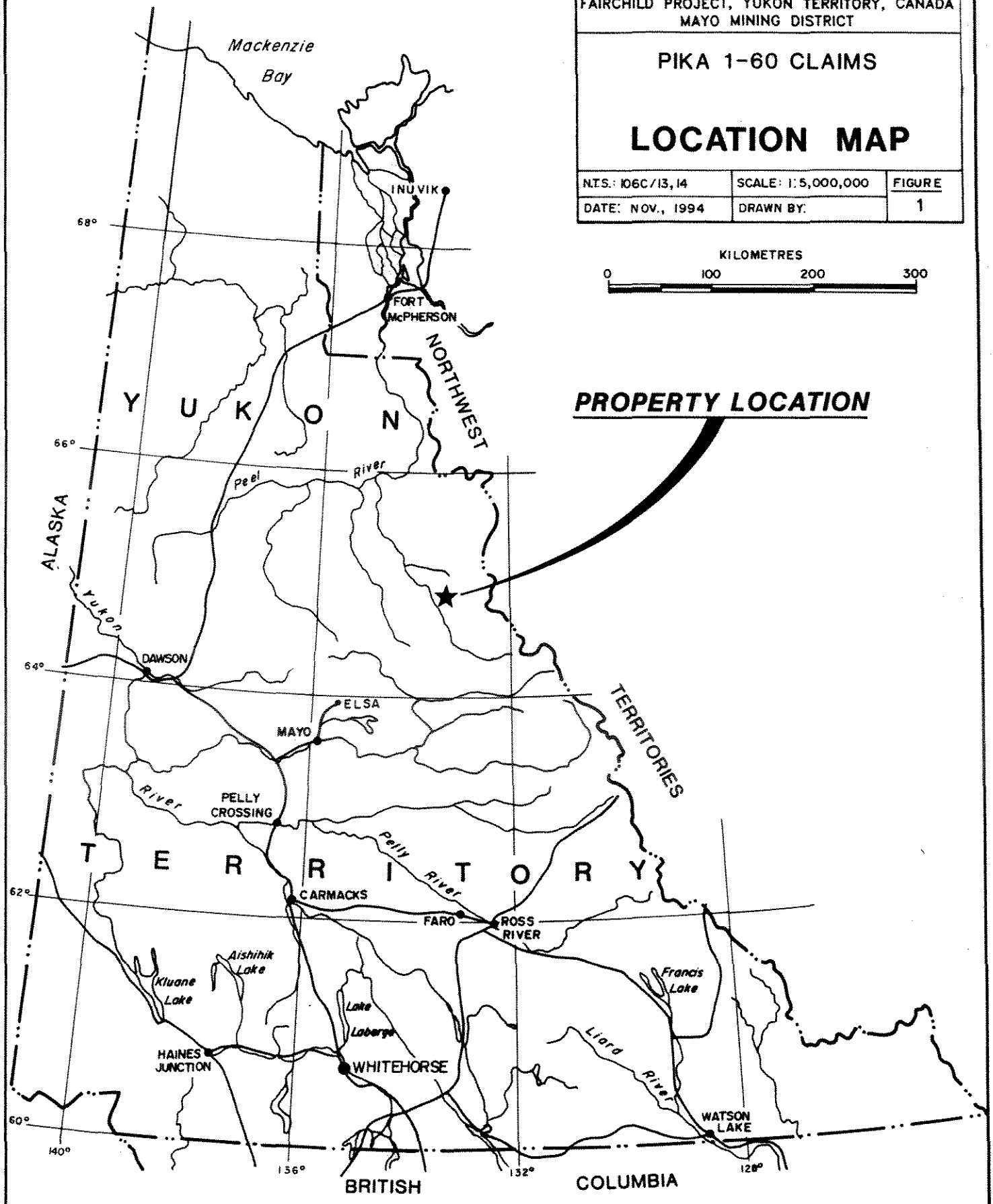
FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PIKA 1-60 CLAIMS

LOCATION MAP

N.T.S.: 106C/13, 14	SCALE: 1:5,000,000	FIGURE
DATE: NOV., 1994	DRAWN BY:	1



Work in 1994 consisted of geological mapping, airborne radiometric and magnetic geophysical surveys, prospecting and stream sediment sampling. The 1994 work program was jointly conducted by Pamicon Developments Limited and Equity Engineering Ltd. on behalf of the Fairchild Joint Venture (Newmont Exploration Limited and Westmin Resources Limited). The same companies have been retained to report on the field work activities.

3.0 LIST OF CLAIMS

The Pika property comprises 60 contiguous quartz mineral claims, located in the Mayo Mining District (Figure 2). Government records indicate that the following claims are owned 100% by Westmin Resources Limited of Vancouver, B.C. Separate documents indicate that they are under option to Newmont Exploration Limited of Denver, Colorado.

Table 3.0.1
Caim Data

Claim Name	Claim Numbers	Record Numbers	Record Date	Expiry Date	NTS	No. of Claims
Pika	1 - 36	YB42323-358	12/13/93	12/31/97*	106C14	60
	37 - 60	YB43041-064	06/30/94	12/30/97*	106C14	

*Subject to approval of assessment work covered by this report.

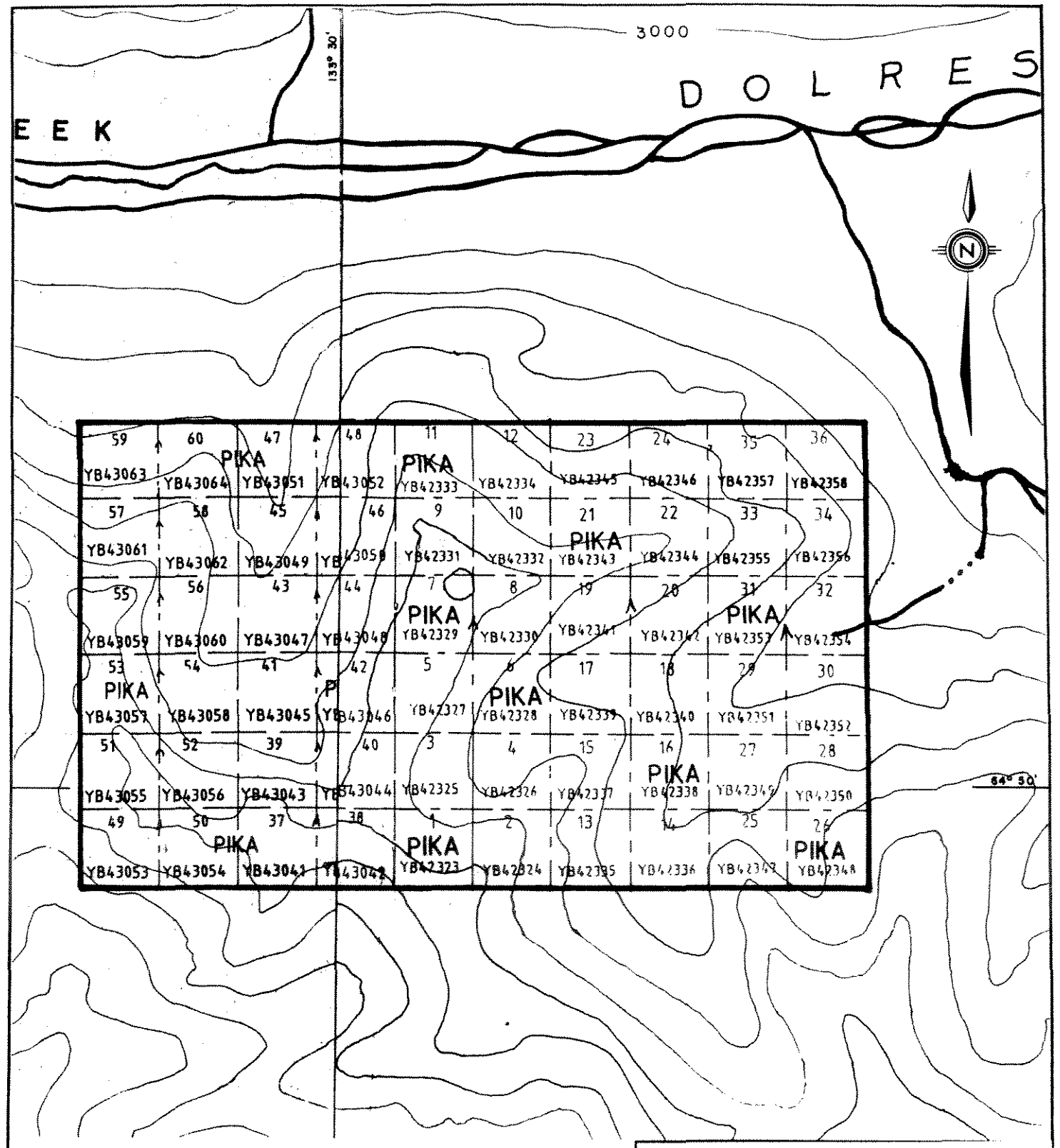
4.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The property is located in the Wernecke Mountains of east central Yukon, approximately 181 kilometres northeast of Mayo (Figure 1). The claim group is located 18 kilometres southeast of Fairchild Lake and 17 kilometres north of Pinguicula Lake. Dolores Creek lies immediately north of the claims. Coordinates for the centre of the property are 64° 51' north latitude and 133° 29' west longitude.

The project area is accessible from Mayo by float plane to Pinguicula Lake or by wheeled aircraft to a new 885 metre long gravel airstrip at Copper Point located in the Bonnet Plume River valley, 15 kilometres downstream from Fairchild Lake. Several other airstrips in the area including Bear River, Wind River, Dolores Creek and Bonnet Plume River Mines are either no longer serviceable or are unsafe for aircraft utilized by mineral exploration companies.

Access during the 1994 field program was by fixed wing aircraft to the Copper Point airstrip and basecamp and thence by helicopter 31 kilometres to the southeast to the property.

The Wind River winter tote road originating near Elsa, was built through the project area during the



NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PIKA 1-60 CLAIMS

CLAIM MAP

N.T.S.: 106C/13, 14	SCALE: 1"=1/2mile	FIGURE 2
DATE: NOV., 1994	DRAWN BY:	

1950's to access oil and gas exploration sites to the north and in the 1960's was utilized again during work on the Snake River (Crest) iron deposit. In the late 1960s several spur trails and airstrips were constructed providing access to the Dolores Creek, Wind River and Bonnet Plume copper prospects and to the Bear River iron deposit. The winter road was used by Pan Ocean Oil during their coal and uranium exploration program near Kiwi Lake in 1979 and 1980. Most recently (1994), Westmin Resources utilized the trail to mobilize equipment to construct their airstrip at Copper Point.

Elevations on the property range from 914 to 2045 metres above sea level and relief varies from moderate to commonly steep to locally extreme. Most of the property lies above tree line with the exception of the lower slopes and the valley bottoms where the vegetation consists of stunted spruce, dwarf alder and willow. Climate in the area is characterized by six months of cold winter and three to four months of warm to hot summer with May through September the best months for exploration. The average daily January and July temperatures for Mayo are -29° C and 15.2° C with annual precipitation of 306.3mm of which 40% is snow.

5.0 PREVIOUS WORK

5.1 Area Exploration History

The first copper occurrences were noted by trappers working in the area at the turn of the century. The Slab, Irene (Hoover) and Slats area mineral occurrences, all located in the Bonnet Plume River drainage, were first staked in 1910. In 1935, the McClusky copper occurrences were staked and the Bonnet Plume and Wind River area received sporadic exploration for copper over the next twenty years. Exploration activity was stimulated in the early 1960s when California Standard Company through their subsidiary, Crest Exploration Limited worked on their world class banded iron deposit in the Snake River area. Drilling outlined 18.6 billion tonnes averaging 47% iron in the Hadrynian Rapitan Group (Yeo, 1986).

In the early 1960s, the first copper showing was found at Dolores Creek by L. Brown. Bonnet Plume River Mines Ltd. conducted exploration from 1967 to 1969, at which time limited diamond drilling was completed (Laznicka and Edwards, 1979).

In 1971, the discovery of zinc-lead showings in the MacKenzie Mountains to the east brought exploration activity to the southeastern portion of the Wernecke Mountains. Continued lead-zinc exploration in the Proterozoic basin led to the discovery of uranium mineralization in 1974 by Archer, Cathro and Associates Ltd. In the period 1975 to 1980, a number of major companies (Urangesellschaft, Noranda) and joint ventures (Wernecke Joint Venture, Mountaineer Mines-Pan Ocean Oil Limited, Prism Syndicate) were involved in exploration of breccia related uranium mineralization. Also at this time Pan Ocean drilled coal reserves on their lower Bonnet Plume leases to outline in excess of 500 million tonnes of low sulphur, high volatile bituminous coal in Cretaceous strata.

The 1980s saw very limited work throughout the project area. Archer-Cathro, Texaco and Cyprus

Gold embarked on limited exploration to test the gold potential of some of the known uranium or copper occurrences.

Recent exploration work in the 1990s has been conducted by BHP Minerals, Kennecott Canada, International Prism Exploration and Fairchild Joint Venture on both copper-gold and zinc-lead targets. At present there are over 2000 quartz claims recorded in the Bonnet Plume River area.

5.2 Property Exploration History

Minfile occurrence 106C/14-071, which lies south of the Pika claims area, was staked in 1976 by Mountaineer Mines/Pan Ocean Oil Limited as the Pika claim group. Work performed included geological mapping, radiometric and geochemical surveys.

6.0 1994 EXPLORATION PROGRAM

On June 9, 18, 19, 27, July 1 and 17, 1994 preliminary field work totalling fourteen and two-thirds mandays was completed on the Pika 1-7, 16-18, 23, 27, 29, 30, 32, 43, 44, 55-57 and 60 quartz claims by Newmont Exploration Limited. In June, the work was applied to the original 1-36 claims while the July work focused on the Pika 37-60 group which was staked in late June.

Work included 1:10000 geological mapping, chip sampling, stream sediment sampling, prospecting and airborne radiometric and magnetic geophysical surveys. A total of 15 stream sediment samples were collected using a detailed procedure developed by Newmont's chief geochemist (Appendix D). In addition 42 rock grab and 8 chip samples were taken. Eight samples with overlimit values were assayed for copper.

All sample sites were marked in the field by flagging tape and an inscribed aluminum tags. For both rock and silt samples, detailed notes were recorded by the sampler describing the material collected and various physiographic constraints particular to each site. Samples were partially dried in camp and shipped to Chemex Labs in North Vancouver, B.C. for preparation and analysed for gold, lanthanum and 24-element ICP geochemistry. Stream sediment samples were also analysed for arsenic. Analytical and stream sediment sampling procedures, descriptive rock forms and a complete set of results may found in the appendices.

7.0 REGIONAL GEOLOGY

This summary of the regional geology is based on work by Delaney (1985) and by Pamicon Developments Limited (Unpublished 1977). References to earlier work are cited by Delaney. Work by Thorkelson and Wallace at 1:50000 scale is available for NTS 106C/13 (Open File 1994-6, G) along with an accompanying paper in Yukon Exploration and Geology 1993 (Thorkelson and Wallace 1994a, 1994b). Mapping for map sheet 106C/14 was completed in 1994 and will be published jointly by the Yukon and Canadian governments in February 1995.

The Wernecke Mountains are cored by at least 14,000 metres of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by hematite breccias and cut by mafic sills and dykes (Figure 3). The entire succession has been named the Wernecke Supergroup and has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. To the east and south, the Hadrynian Pinguicula Group unconformable overlies the Wernecke Supergroup. Paleozoic strata bound the western margin and Cretaceous and Tertiary sediments fill the area to the north in the Bonnet Plume Basin.

A complete table of formations including lithologies is presented on the legend following Figure 3.

The main structural components of the Wernecke terrane are the southeast trending fault splays (Deslauriers, Knorr, and Snake River faults) of the Richardson Fault array. These faults are interpreted to be deep-seated, long-lived, vertical structures which have undergone considerable right lateral and vertical movement.

8.0 PROPERTY GEOLOGY

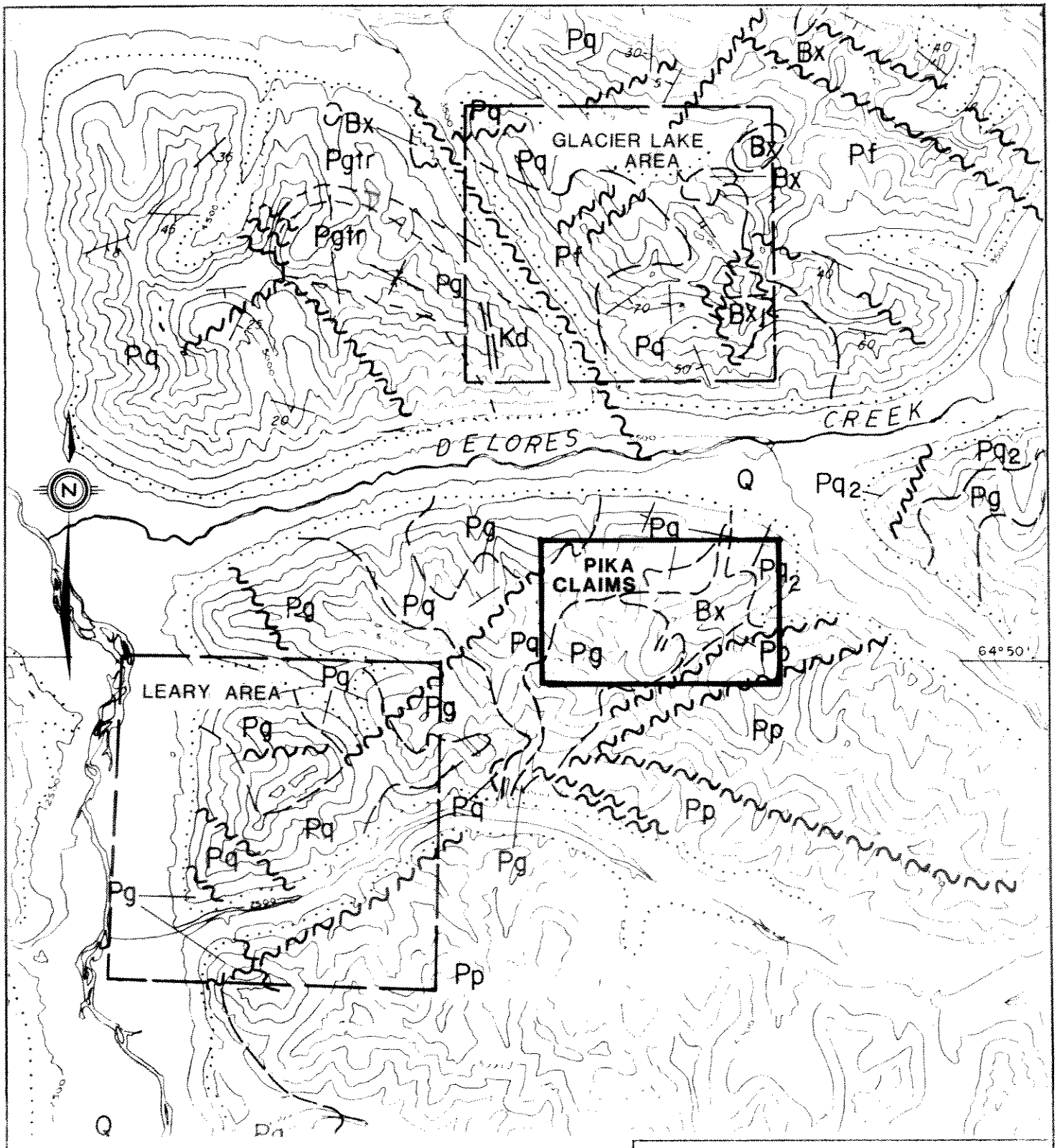
The simplified property geology at 1:10000 scale is shown on Plate 1 and generally agrees with work published by Thorkelson and Wallace (1994a, 1994b). The property is underlain by dolomite and interbedded dolomite, shale and siltstone of the Helikian, Gillespie Lake Group and strata transitional to the underlying Quartet Group. To the south, dolomite is overlain unconformably by Hadrynian, Pinguicula group, maroon and green shale and siltstone. The older Gillespie rocks have been cut by diorite and large hematite breccia bodies. More mapping is required to determine the structural relationships between the various units on the property.

The basal Gillespie Lake Group and older Quartet Group black shale, siltstone and sandstone outcrop in the northwest claims area and host the Coope and Pika West copper occurrences. Quartet Group shale, sandstone and siltstone is mapped by Thorkelson and Wallace (1994a) and Stammers (1977) nearer to Dolores Creek. This unit of carbonaceous, thin to medium bedded variably clastic sedimentary rocks grades into an interbedded dolomite, chert and shale sequence more typical of the basal Gillespie Lake Group.

The Gillespie Lake Group dolomite unit is thick to massively bedded, orange to buff weathering and variably contains interbeds or lenses of sandstone, shale or chert.

Pinguicula Group green and maroon clastic sediments unconformably overlie Gillespie Lake Group rocks in the south and east claims area. The basal 15 metres of this unit comprises greenish grey weathering quartzose sandstone locally interbedded with granule to pebble conglomerate. Thorkelson (1994b) reports that conglomerate lenses outcropping on the Pika contain clasts of Wernecke breccia, apparently derived locally from nearby breccia zones.

A large complex of Wernecke breccia and spatially associated diorite have been mapped by Thorkelson (1994a) and Stammers (1977) on the property. They appear to be emplaced at two stratigraphic levels, one at the Gillespie-Pinguicula contact and a second in the basal Gillespie Lake



Geology by:
Pamicon Developments Ltd.,
Delaney (1985).

Legend on following page.

KILOMETRES
0 1 2 3 4

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WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.
FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PIKA 1 - 60 CLAIMS

REGIONAL GEOLOGY

N.T.S.: 106C/13,14	SCALE: 1:100,000	FIGURE
DATE: NOV., 1994	DRAWN BY:	3

LEGEND

(to accompany Figure 3)

LITHOLOGIES

Quaternary

Q Unconsolidated glacial and alluvial deposits

Paleozoic

P Carbonate and siliciclastic sediments, undivided

Proterozoic

Pp **Pinguicula Group:** Carbonate and siliciclastic sedimentary rocks and lesser volcanics

Kd Diabase

Kdi Diorite

Gb Gabbro

Bx Hematite breccia

WERNECKE SUPERGROUP

Pg **Gillespie Lake Group:** Buff-, orange-, grey-, and locally maroon-weathering dolomite, dolomite terrigenous admixtures, limestone, claystone, mudstone, siltstone and find sandstone.
Pgtr Transitional Zone: Interbedded dolomite and dark siltstone/shale with characteristic striped appearance.

Pq **Quartet Group:** Dark grey- and grey-weathering siltstone, mudstone, claystone and fine sandstone (wavy bedded); locally quartzites.
Pq1 Black shale with sandstone and shale interbeds, quartzite
Pq2 Pyritic quartzite

Pf **Fairchild Lake Group:** Light grey-, greenish grey-, and locally dark grey- weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
Pftr Transitional Zone: Shale and brown-weathering dolomite with limestone marker unit, pyritic black shale.

SYMBOLS

Geological contact (approximate)


Thrust fault (approximate)

Fault (approximate)


Bedding attitude


Bedding (overturned)


Anticlinal axis (arrow indicates plunge)


Synclinal axis (arrow indicates plunge)


Limit of unconsolidated glacial and alluvial deposits

transition zone. The Pika showing is associated with the former, while the Coope and Pika West occurrences occur in the transition zone rocks.

Wernecke breccia, is typically heterolithic with angular fragments of dolomite and siltstone rotated in a fine grain matrix. Potassic, chlorite, carbonate and hematite alteration is pervasive and associated mineralization includes specular hematite, chalcopyrite and pyrite.

Fine to medium grained diorite outcrops in direct proximity to Wernecke breccia, weathers blocky, medium green-grey and is variably altered (K-spar, chlorite and epidote) and may contain chalcopyrite, pyrite, magnetite and specular hematite mineralization.

9.0 MINERALIZATION

Three main showings, each about 1 kilometre apart have been located along a crude west-northwesterly trending axis and include the Pika, the Coope and the Pika West. Sampling indicates copper (chalcopyrite) mineralization is dominant, while gold, silver, zinc and cobalt are only occasionally anomalous. Plates 2 and 3 show results for copper and gold respectively. Complete results including descriptive rock forms are found in the appendices.

At the Pika showing, mineralization reported by Thorkelson (1994b) as supergene enrichment, was found to consist of bleached and foliated, silica altered dolomite with minor chalcopyrite and malachite stain. No clear evidence was seen to suggest that this mineralization represents a supergene product. A select grab (937711) of this material in talus returned 10 ppb Au and 7270 ppm Cu. Minor to 1% chalcopyrite occurs sporadically within the breccia and the diorite as disseminations and blebs. In general, copper mineralization was quite low grade. A sample (937712) of malachite stained breccia contained 30 ppb Au and 1680 ppm Cu. Results from samples (937729, 937726) of diorite range up to 135 ppb Au and 4620 ppm Cu, with most values appreciably lower. Also in the area, weak malachite staining was observed on fracture and bedding plane cleavages in Pinguicula siltstone.

About 300 metres to the west of the Pika showing, chalcopyrite was found by prospecting in quartz-carbonate veins and small stockwork zones within siltstone. Results from this cluster of five prospector's samples (937813-817) include maximum values of 9.08, 2.49 and 1.70% Cu and 20.0, 8.4, and 8.0 ppm Ag. Gold values are all less than 5 ppb.

The Coope showing was discovered by conventional prospecting of a drainage reported as being anomalous in copper by Newmont (Costin and Gilbert, 1968). The showing is exposed for approximately 100 metres along a northwest flowing creek and is characterized by semi-continuous zones of chalcopyrite, pyrite, hematite and carbonate stockwork and veining. From northwest to southeast, mineralization is zoned from pyrite to chalcopyrite. Mineralization within the copper zone is estimated at >20% to <1% chalcopyrite over widths of between 1 and 5 metres. Average grade may be between 1 and 5% copper and the zone is open along strike.

The host rock is a chloritized, hematite, carbonate and pyrite altered siltstone. Assay results for this

showing returned near background gold to a high of 40 ppb Au (937722), and two chip samples across 2.0 metres returned 2.04% Cu (937720) and 1.78% Cu (937721). A cobalt value of 2100 ppm was returned from one sample (937892) containing semi-massive pyrite. The structural fabric visible across the zone trends north-northwest.

The Pika West showing, also discovered by conventional prospecting consists of a couple of discreet gossanous mineral zones in basal Gillespie Lake Group. The first is described as a 3.0 metre wide easterly trending quartz vein and silicified breccia crosscutting shale. The vein is exposed for about 20 metres along strike and mineralization includes less than 1% pyrite, minor chalcopyrite and trace native copper. Sample 937942 returned the highest copper value of 4690 ppm. The second showing area, consisting of a 20 metre wide zone of silica flooded shale is located 600 metres to the south and includes copper values to 5820 ppm and gold values below detection limit.

10.0 STREAM SEDIMENT GEOCHEMISTRY

Fifteen stream sediment samples were collected in the Pika claims area and results for copper and gold are plotted on Plates 2 and 3.

Table 10.0.1 lists anomalous thresholds for stream sediments calculated from the GSC's regional geochemical survey (Open File 518, 1977).

Table 10.0.1
Regional Stream Sediment Geochemistry Thresholds

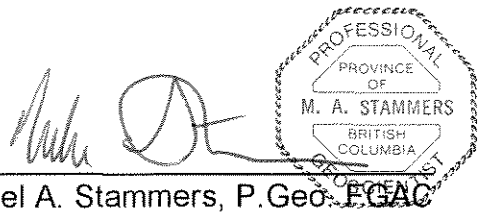
		Thresholds		
Percentile	Classification	Au ppb	Cu ppm	Co ppm
	definitely anomalous			
97		20	180	50
	probably anomalous			
90		15	120	30
	possibly anomalous			
75		10	75	25
	high background			
50		5	50	15
	background			

Results from initial stream sampling along the Pika drainage returned two anomalous copper results of 173 and 147 ppm from the north fork. A second set of samples collected from this drainage using the detailed sampling procedure developed by Newmont's Chief Geochemist, O. Lavin (Appendix

D), returned a weakly anomalous gold value of 10 ppb and copper values of 226 and 153 ppm.

Samples taken from the Coope drainage and area streams returned anomalous gold values of 15 and 25 ppb and highly anomalous copper values of 295 and 423 ppm. Values for silver and barium were slightly anomalous.

Respectfully Submitted,



Michael A. Stammers, P.Geo., FGAC
PAMICON DEVELOPMENTS LTD.
Vancouver, British Columbia
January, 1995

571,000 mE | 572,000 mE | 573,000 mE | 574,000 mE

7,193,000 mN | 7,192,000 mN | 7,191,000 mN | 7,190,000 mN

PIKA WEST

COOPE ZONE

Approximate Claim Block Boundary

EXPLANATION

GEOLOGY

- BEDDING
- VERTICAL BEDDING
- JOINT
- OUTCROP
- CONTACT

LITHOLOGY

dol	Dolomite, orange–brown weathering, blocky
shl	Shale, black, carbonaceous, fissile. (PQ) maroon and green thin bedded, fissile
wb	Undifferentiated Breccia
dl	Diorite
slts	Siltstone, red to pink

EXPLANATION

ALTERATION

CL	Chlorite
SI	Silicification
CB	Carbonate
MS	Sericite
KF	K–Spar
EP	Epidote

Sulfides

CP	Chalcopyrite
PY	Pyrite

Oxides and Sulfates

HE	Hematite
JA	Jarosite
GE	Geothite
HS	Specular Hematite

1 – Weak (w)
2 – Moderate (m)
3 – Strong (s)

EXPLANATION

INTERPRETED GEOLOGY

- PP — PINGUICULA GROUP (MID TO LATE PROTEROZOIC)
- PGL — GILLESPIE LAKE GROUP (MIDDLE PROTEROZOIC)
- PQ — QUARTET GROUP (MIDDLE PROTEROZOIC)
- Pwb Pbht Pbhm — Pwb WERNECKE BRECCIA, UNDIFFERENTIATED; Pbht HETEROLITHIC BRECCIA; Pbhm HOMOLITHIC BRECCIA
- Idi — DIORITE TO GABBRO INTRUSIVE BODIES

MAP AREA:
X: 570000 – 576000
Y: 7189000 – 7194000
Z: 0 – 10000
Units are meters.

093268

Grid North

Magnetic Declination for the center of this map is: 31° 32.5' East of True North

Grid North is 1° 23' East of True North for center of map

NTS Map 106 C/13, C/14

0 100 200 300m
0 400 800 1200Ft
Scale: 1 : 10,000

DWG 2

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WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 1

PIKA 1-60 CLAIMS

SIMPLIFIED GEOLOGY MAP

Compiled By: A. MONTGOMERY	Date Drafted: 11/94	Coordinate System: UTM ZONE 8
Drafted By: GEODRAFTING	File Name: XPIC–GEO.DWG	Contour Interval: 20M

571,000 mE | 572,000 mE | 573,000 mE | 574,000 mE

7,193,000 mN | 7,192,000 mN | 7,191,000 mN | 7,190,000 mN

Cu Geochemistry

Pre 94 | **1994 Samples**

float
× value | Sample No. | × value (ppm)

grab
□ value | Sample No. | □ value

chip
▨ value | Sample No. | ▨ value

channel
■ value | Sample No. | ■ value

Rocks

RGS
>400
400
300
200
100
<50

Fairchild JV
Sample No.
>400 ppm
400
300
200
100
<50

Stream Sediments

MAP AREA:
X: 570000 - 575000
Y: 7189000 - 7194000
Z: 0 - 10000
Units are meters.

.093268

Grid North

Magnetic Declination for the center of this map is: 31° 32.5' East of True North

Grid North is 1° 23' East of True North for center of map

NTS Map 106 C/13, C/14

Dwg 13

0 100 200 300m
0 400 800 1200ft
Scale: 1 : 10,000

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 2

PIKA 1-60 CLAIMS

Cu IN ROCKS AND STREAM SEDIMENTS

Compiled By:	Date Drafted:	Coordinate System:
A. MONTGOMERY	11/94	UTM ZONE 8
Drafted By:	**File Name:**	**Contour Interval:**
N. MERRITT	XPICCUR.DWG	20M

571,000 mE | 572,000 mE | 573,000 mE | 574,000 mE

7,193,000 mN | 7,192,000 mN | 7,191,000 mN | 7,190,000 mN

Au Geochemistry

Pre 94 | **1994 Samples**

float
× value | Sample No. | × value (ppb)

grab
□ value | Sample No. | □ value

chip
▨ value | Sample No. | ▨ value

channel
■ value | Sample No. | ■ value

Rocks

RGS
Sample No.
>50
50
30
10
<5

Fairchild JV
Sample No.
>50 ppb
50
30
10
<5

Stream Sediments

MAP AREA:
X: 570000 - 576000
Y: 7189000 - 7194000
Z: 0 - 10000
Units are meters.

093268

Grid North

Magnetic Declination for the center of this map is: 31° 32.5' East of True North

Grid North is 1° 23' East of True North for center of map

NTS Map 106 C/13, C/14

0 100 200 300m
0 400 800 1200ft
Scale: 1 : 10,000

dwg 1

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 3

PIKA 1-60 CLAIMS

Au IN ROCKS AND STREAM SEDIMENTS

Compiled By:	Date Drafted:	Coordinate System:
A. MONTGOMERY	11/94	UTM ZONE 8
Drafted By:	File Name:	Contour Interval:
N. MERRITT	XPICAUR.DWG	20M

APPENDIX A

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BIBLIOGRAPHY

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APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

Tom Bell (Prospector)
207 - 675 W. Hastings St.
Vancouver, B.C. V6B 1N2

Roy Buyck (Sampler)
Box 64
Mayo, Yukon Y0B 1M0

Billy Germaine
Box 220
Mayo, Yukon Y0B 1M0

Richard Gorton (Geologist)
1700 Lincoln St.
Denver, Colorado 80203

Harvey Klatt (P.Geo.)
711-675 W. Hastings St.
Vancouver, B.C. V6B 1N4

Cyndi Lisson (Cook)
163 Dalton Terrace
Whitehorse, Yukon Y1A 3G2

David Lucas (Sampler)
163 Dalton Terrace
Mayo, Yukon, Y0B 1M0

Al Montgomery (Geologist)
711-675 W. Hastings St.
Vancouver, B.C. V6B 1N4

Melanie Rose (Bull Cook)
Box 92
Carcross, Yukon Y0B 1B0

Michael Stammers (P.Geo.)
711-675 W. Hastings St.
Vancouver, B.C. V6B 1N4

Randy Vance (Geologist)
1250 Mountain View Dr.
Elko, Nevada 89801

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
PIKA 1 - 36 MINERAL CLAIMS

CANADA -- In the matter of geological and geochemical assessment work filed on the Pika 1 - 36 Mineral Claims

I, Michael A. Stammers agent for Westmin Resources Limited, 904, 1055 Dunsmuir Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping and geochemical survey work was carried out on the Pika 1-36 Mineral Claims during the period June 1 to July 20, 1994.

The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

PROFESSIONAL FEES AND WAGES:

Michael A. Stammers, P.Geo.		
2 days @ $375/day	$ 750.00	
Al Montgomery, Geologist		
3 days @ $375/day	1125.00	
Randy Vance, Geologist		
2 days @ $375/day	750.00	
Tom Bell, Prospector		
2 days @ $250/day	500.00	
Roy Buyck, Sampler		
1 day @ $200/day	200.00	
Billy Germaine, Sampler		
1 day @ $200/day	200.00	
Prorated Wages	912.56	$4,437.56

EXPENSES:

Rentals - Base Camp	$ 103.70
Rentals - Truck	13.91
Rentals - Gen. Set Small	3.48
Rentals - Gen. Set Large	60.29
Rentals - 2 x Base Radio	14.61
Rentals - 2 x Hand Radio	2.61
Rentals - Office	17.39
Rentals - ATV	30.14
Rentals - Chain Saw	4.99
Rentals - Const. Tools	2.03
Electrical - L & L Electrical	15.40
Photocopies	1.09
Reproductions	.48

Maps & Photos	176.85	
Ortho Photos	38.03	
Materials & Supplies	40.69	
Expediting	61.27	
Telephone - Long Distance	18.64	
Telephone - Space Tel	212.85	
Camp Expendibles	10.70	
Camp Building Materials	158.82	
Camp Food	244.85	
Camp Propane	6.97	
Camp Fuel - Oil	5.29	
Camp Fuel - Gas	1.55	
Field Expendibles	240.16	
Truck Rental - K. Milledge	10.77	
Radio Rental - Motorola	17.68	
Travel - Hotel	58.27	
Travel - Meals	12.98	
Travel - Airfare	105.09	
Travel - Auto	10.76	
Travel - Misc.	2.18	
Freight - Air	29.65	
Freight - Truck	147.08	
Freight - Courier	4.61	
Fuel - Cat	97.39	
Fuel - Helicopter	243.55	
Drum Deposit	163.25	
Licenses - Radio	1.07	
Legals - Notary	1.45	
Misc. Expense - Summit Air	69.77	$2,462.32

INDIRECT CHARGE:

Assays - Chemex Storage	10.16	
Assays - Chemex Lab	700.00	
Helicopter - Prorated	229.18	
Helicopter 6 Hrs @ $540	3440.00	
Fixed Wing	1514.31	
Cat Charges	76.52	
Report	1500.00	$7,470.17
Management Fees:		
Direct Charges @ 15%	1034.98	
Direct Charges @ 7%	522.91	$1,557.89

TOTAL: **$15,927.94**

Notes:

1. Wages are based on actual man days spent on the property.
2. Helicopter charges are based on actual hours flown.
3. Assay charges are based on actual numbers of samples from the property.
4. General expenses (all other costs) are prorated according to man days allocated to each property.

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

Dated at Vancouver in the Province of British Columbia this 25 day of JANUARY, 1995.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. A. STAMMERS
GEOSCIENTIST

Michael A. Stammers, P.Geo.

STATEMENT OF EXPENDITURES
PIKA 37 - 60 MINERAL CLAIMS

CANADA -- In the matter of geological and geochemical assessment work filed on the Pika 37 - 60 Mineral Claims

I, Michael A. Stammers agent for Westmin Resources Limited, 904, 1055 Dunsmuir Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping and geochemical survey work was carried out on the Pika 37-60 Mineral Claims during the period July 1 to July 20, 1994.

The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

PROFESSIONAL FEES AND WAGES:

Michael A. Stammers, P.Geo.		
1 day @ $375/day	$ 375.00	
Al Montgomery, Geologist		
2 days @ $375/day	750.00	
Murray Jones, Geologist		
0.5 days @ $290/day	145.00	
Tom Bell, Prospector		
1 day @ $250/day	250.00	
Shawn Germaine, Sampler		
1 day @ $200/day	200.00	
Dave Lucas, Sampler		
1 day @ $200/day	200.00	
Billy Germaine, Sampler		
1 day @ $200/day	200.00	
Prorated Wages	425.25	$2,545.25

EXPENSES:

Rentals - Base Camp	$ 48.32
Rentals - Truck	6.48
Rentals - Gen. Set Small	1.62
Rentals - Gen. Set Large	28.10
Rentals - 2 x Base Radio	6.81
Rentals - 2 x Hand Radio	1.22
Rentals - Office	8.10
Rentals - ATV	14.05
Rentals - Chain Saw	2.32
Rentals - Const. Tools	.95
Electrical - L & L Electrical	7.17

Photocopies	.51	
Reproductions	.22	
Maps & Photos	82.41	
Ortho Photos	17.72	
Materials & Supplies	18.96	
Expediting	28.55	
Telephone - Long Distance	8.69	
Telephone - Space Tel	99.19	
Camp Expendibles	4.99	
Camp Building Materials	74.01	
Camp Food	114.10	
Camp Propane	3.25	
Camp Fuel - Oil	2.46	
Camp Fuel - Gas	.72	
Field Expendibles	111.92	
Truck Rental - K. Milledge	5.02	
Radio Rental - Motorola	8.24	
Travel - Hotel	27.15	
Travel - Meals	6.05	
Travel - Airfare	48.97	
Travel - Auto	5.01	
Travel - Misc.	1.01	
Freight - Air	13.82	
Freight - Truck	68.54	
Freight - Courier	2.15	
Fuel - Cat	45.39	
Fuel - Helicopter	113.50	
Drum Deposit	76.07	
Licenses - Radio	.50	
Legals - Notary	.68	
Misc. Expense - Summit Air	32.51	$1,147.44

INDIRECT CHARGE:

Assays - Chemex Storage	4.73	
Assays - Chemex Lab	304.00	
Helicopter - Prorated	106.80	
Helicopter 2.4 Hrs @ $540	1296.00	
Fixed Wing	537.91	
Cat Charges	35.66	
Report	1000.00	$3,285.10
Management Fees:		
Direct Charges @ 15%	553.90	
Direct Charges @ 7%	229.96	$ 783.86

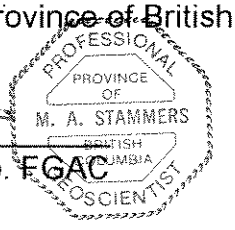
TOTAL: **$7,761.65**

Notes:

1. Wages are based on actual man days spent on the property.
2. Helicopter charges are based on actual hours flown.
3. Assay charges are based on actual numbers of samples from the property.
4. General expenses (all other costs) are prorated according to man days allocated to each property.

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

Dated at Vancouver in the Province of British Columbia this 25 day of JANUARY, 1995.



Michael A. Stammers, P.Geo. FGAC

APPENDIX D

STREAM SEDIMENT SAMPLING PROCEDURES

STREAM SEDIMENT SAMPLING PROCEDURES

Introduction

The focus of the 1994 exploration program was to explore for gold and copper mineralization. Stream sediment samples can be an efficient and relatively low cost way of evaluating drainage basins for mineralization if they are representative of the basin and are collected in such a way that the elements sought are detectable in a reproducible manner. Copper and gold have dissimilar weathering and dispersion characteristics based on chemical, mechanical and density characteristics. To be effective, the stream sediment survey must reliably detect anomalous values. The particulate nature of gold makes anomaly reproducibility erratic in samples that are too small and/or too coarse grained. An orientation survey is the best way to design a sampling program for a particular region.

The 1994 survey used stream sediment samples to augment other exploration information and provide guidance for future exploration. In order to evaluate and optimise the stream geochemical survey's effectiveness an orientation survey was conducted early in the season. Based on the results of the orientation survey it was determined that all fractions less than 80 mesh exhibited relatively similar anomaly length and contrast characteristics. The finest fraction (< 200 mesh) was marginally better than the others, but given the difficulty in acquiring sufficient < 200 mesh material and the marginal improvement that it provided, the < 80 mesh fraction was selected. In order to collect sufficient < 80 mesh material, and not loose a sizable component of the very fine grained material in the wash water, special procedures must be adopted. The method used to collect most of the stream sediment samples in 1994 was a modification of the method routinely used by Newmont, and is hereafter referred to as the "Newmont method".

Procedure

A regular silt sample is collected by hand or a trowel and placed into a numbered paper bag. Typically the larger pebbles are rejected and an effort is made to select from the finer grained sediments in a stream.

The Newmont method requires some equipment:

- a large woven fibre bag to carry the equipment in.
- squirt bottle to spray water into a bucket to wash out the fines.
- a 5 to 7m long hose to provide a gravity feed water supply.
- several large plastic sample bags to collect sediment in.
- garden trowel to excavate sediment with.
- rubber gloves to protect hands against cold water and abrasive sediments.
- a piece of nylon 30 or 40 mesh screen about 1 x 1m size.
- two nesting 30cm diameter plastic buckets one with a 2cm size hole about half way up the side of the bucket, the other with the bottom two thirds cut off and used as an inner frame to hang the nylon mesh above the outlet hole.

Other supplies that are used at each site are plastic flagging tape, metal tags and double-stitched millepore cloth bags.

A stream sediment sample collected using the Newmont method would proceed as follows:

1. As supplies were being unpacked from the fibre bag the buckets, trowel, plastic sample bags and screen were inspected for cleanliness and if dirty they were washed.
2. One person would start to hunt for and dig up fine grained stream sediments from among boulders while the other would work on setting up the screening and washing apparatus.
3. The hose would be placed to provide a steady but low volume of water for washing the sediment through the screen.
4. The screen would be pulled tight over the bucket with a hole in its side and held in place by the inner bucket ring.
5. Small quantities of the coarse stream sediment would be placed on the screen and washed down by the hose. In order to break up any clay or root-bound lumps the sediment would be rubbed on the screen or the side of the bucket.
6. After most of the fine grained-material had been washed through the screen, the remaining coarse reject material was lifted out by hand and discarded.
7. After 10 to 30 kg of coarse stream sediment had been screened, depending on the amount of fines in the coarse stream sediment, the screen was lifted out and the level of sediment in the bottom of the bucket was checked to see if there is sufficient material for a sample, about 3 centimetre depth in the bottom of the bucket was considered sufficient.
8. The muddy water was allowed to stand for several minutes then the supernatant liquid was carefully poured off leaving the sieved silt in the bottom of the bucket.
9. A numbered millepore cloth bag was then used to collect silt washed out of the sample bucket by the squirt bottle.
10. The bag of wet sediment was carried or hung to drain until most of the water had drained, then it was packed in a plastic bag for transport back to camp where the samples are exposed to the air for further drying before shipment to a laboratory for analysis.

Field notes collected at each site record the sample number; creek name; elevation; the sample type; regular silt, or field sieved with mesh size; width of the stream and depth; slope of the stream in degrees; the downstream direction of flow; colour of the sediment; texture of the sediment; bedrock and/or type of rock found as float in the stream; and any other notes about the site. The UTM location was determined from a map back in camp.

A numbered two colour ribbon along with a metal tag inscribed with the sample number was tied to a nearby bush or stone to mark the sample site.

Results

Based on a statistical evaluation of the GCS regional geochemical survey data (Open File 518, 1977) by Owen Lavin, Senior Geochemist for Newmont Exploration Limited, the following anomalous ranges and anomaly classifications are presented in Table 1.

Table 1

Percentile	Classification	Thresholds Au ppb	Cu ppm	Co ppm
97	definitely anomalous	20	180	50
90	probably anomalous	15	120	30
75	possibly anomalous	10	75	25
50	high background	5	50	15
	background			

APPENDIX E

ROCK SAMPLE DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

AB	albite	AD	adularia	AK	ankerite
AS	arsenopyrite	AZ	azurite	BA	barite
BI	biotite	BO	bornite	BR	brannerite
CA	calcite	CB	Fe-carbonate	CC	chalcocite
CL	chlorite	DI	diopside	DO	dolomite
CY	clay	ER	erythrite	GA	garnet
EP	epidote	GL	galena	GR	graphite
GE	goethite	HS	specularite	JA	jarosite
HE	hematite	MC	malachite	MG	magnetite
KF	potassium feldspar	MR	mariposite	MS	muscovite/sericite
MN	neotocite	PO	pyrrhotite	PY	pyrite
QZ	quartz	SI	silica	SP	sphalerite
TT	tetrahedrite				

ALTERATION INTENSITIES

m	medium	s	strong	tr	trace
vs	very strong	vw	very weak	w	weak

Sample No.	UTM :	7192 341 N	Type : Grab	Alteration :	sCB, sCL, mSI	Au	Ag	Co	Cu	La	Mo
		570 134 E	Strike Length Exp. : 50-75 m	Metallics :	>1%CP, >1PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937418	Elevation:	1620 m	Sample Width : 10 m	Secondaries:	sGE, mHE, sJA, wMC	<5	2.6	10	2010	20	<1
	Bedding :	080 / 62 NW	True Width : 10 m	Host :	Quartet sediments						

Comments : Pika west zone.

Sample No.	UTM :	7192 255 N	Type : Grab	Alteration :	sCB, sCL, mSI	Au	Ag	Co	Cu	La	Mo
		570 120 E	Strike Length Exp. : 15-20 m	Metallics :	>1%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937419	Elevation:	1630 m	Sample Width : 10 m	Secondaries:	sGE, mHE, sJA, mMC, mMN	<5.000	3.400	8.000	707	10.00	1.000
	Bedding :	030 / 48 NW	True Width : 10 m	Host :	Quartet sediments						

Comments : Pika west zone.

Sample No.	UTM :	7192263 N	Type : Grab	Alteration :	5%CB	Au	Ag	Co	Cu	La	Mo
		570139 E	Strike Length Exp. : 15 m	Metallics :	>1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937420	Elevation:	1600 m	Sample Width : 5 m	Secondaries:	sGE, sHE, sJA, sMN	<5.000	10.40	20.00	148	30.00	1.000
	Bedding :	030 / 48 NW	True Width : 5 m	Host :	Quartet						

Comments : Pika west zone, ferrocrete

Sample No.	UTM :	7191717 N	Type : Grab	Alteration :	wMS, wQZ, sSI	Au	Ag	Co	Cu	La	Mo
		570115 E	Strike Length Exp. : 5 m	Metallics :	trPY, >1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937421	Elevation:	1635 m	Sample Width : 1 m	Secondaries:	sGE, sJA	<5.000	0.600	11.00	32	10.00	1.000
	Orientation:	/	True Width : 2 m	Host :	Quartet siltstone						

Comments :

Sample No.	UTM :	7191457 N	Type : Float	Alteration :	CL, HS, CB	Au	Ag	Co	Cu	La	Mo
		573443 E	Strike Length Exp. : m	Metallics :	<1% CPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937701	Elevation:		Sample Width : m	Secondaries:	MC	30.00	0.200	82.00	1640	30.00	14.00
	Orientation:	/	True Width : m	Host :	Breccia						

Comments :

Sample No.	UTM :	7191379 N	Type : Float	Alteration :	wKF, iSI	Au	Ag	Co	Cu	La	Mo
		572488 E	Strike Length Exp. : m	Metallics :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937711	Elevation:	4900 ft	Sample Width : m	Secondaries:	wMC	10.00	0.800	60.00	7270	10.00	7.000
	Orientation:	/	True Width : m	Host :	Dolostone						

Comments : Dericks supergroup, dolostone in talus(silicified and copper mineralized)

Sample No.	UTM :	7191254 N	Type :	Alteration :	wCB, mCL	Au	Ag	Co	Cu	La	Mo
		573487 E	Strike Length Exp. : m	Metallics :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937712	Elevation:	1200 m	Sample Width : m	Secondaries:	wHE	15.00	0.200	112.0	1680	40.00	1.000
	Orientation:	/	True Width : m	Host :	Andesite						

Comments : fine grained dissemenated chalcopyrite in andesite at breccia contact, extent of mineralization unknown

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Sample No.	UTM :	7191255 N	Type : Float	Alteration :	SI	Au	Ag	Co	Cu	La	Mo
		571007 E	Strike Length Exp. : m	Metallics :	trCP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937713	Elevation:	1545 m	Sample Width : m	Secondaries:	wHE, w-mMC	<5.000	1.800	6.000	5380	10.00	6.000
	Orientation:	/	True Width : m	Host :	Fine grained siliceous rocks						

Comments : 1m square block of talus with malachite stain throughout on fractures. Wernecke breccia 30% and dolostone 70% comprise most of the talus at this location.

Sample No.	UTM :	7191476 N	Type : Float	Alteration :	wCB,. mKF, wPF	Au	Ag	Co	Cu	La	Mo
		570625 E	Strike Length Exp. : m	Metallics :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937714	Elevation:	1480 m	Sample Width : m	Secondaries:	sHE	<5.000	0.200	15.00	27	10.00	1.000
	Orientation:	/	True Width : m	Host :	Wernecke breccia						

Comments : sample of Wernecke breccia in talus , very hematitic, makes up <10% of dolostone dominant talus

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Sample No.	UTM :	7191749 N	Type :	Alteration :	wCB, mCL	Au	Ag	Co	Cu	La	Mo
		570415 E	Strike Length Exp. : m	Metallics :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937715	Elevation:	1425 m	Sample Width : m	Secondaries:	wMC	<5.000	0.200	19.00	1440	20.00	1.000
	Orientation:	/	True Width : m	Host :	Fine grained dark green andesite						

Comments : 30% of talus in area is diorite, rare malachite stain on fractures

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Sample No.	UTM :	7191690 N	Type : Float	Alteration :	wCB, wCL, KF?, wQZ	Au	Ag	Co	Cu	La	Mo
		570440 E	Strike Length Exp. : m	Metallics :	1-2%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937716	Elevation:	1435 m	Sample Width : m	Secondaries:	wMC	<5.000	0.200	1.000	1925	10.00	1.000
	Orientation:	/	True Width : m	Host :	Chert? red and pale green aphanitic						

Comments : 15cm. block with malachite and chalcopyrite, other blocks of same material in this area not mineralized.

Sample No.	UTM :	7191685 N	Type : Float	Alteration :		Au	Ag	Co	Cu	La	Mo
		570443 E	Strike Length Exp. : m	Metallics :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937717	Elevation:	1435 m	Sample Width : m	Secondaries:	sHE	<5.000	0.200	9.000	5	10.00	2.000
	Orientation:	/	True Width : m	Host :	Massive specularite and earthy hematite						

Comments : common in this general area of talus

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191137 N	Type :	Grab	Alteration :	sCB, sDO	Au	Ag	Co	Cu	La	Mo
		570779 E	Strike Length Exp. :	20 m	Metallics :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937719	Elevation:		Sample Width :	3 m	Secondaries:	mMN	<5.000	0.200	1.000	9	10.00	1.000
	Orientation: /		True Width :	5 m	Host :	Gillespie dolomite						

Comments : Dolomite vein , possibly with barite along a fault.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191942 N	Type :	Chip	Alteration :	sCL, sCB	Au	Ag	Co	Cu	La	Mo
		571060 E	Strike Length Exp. :	100 m	Metallics :	5-7%CP, HE, PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937720	Elevation:		Sample Width :	2 m	Secondaries:	MC	<5.000	1.600	60.00	20400	30.00	1.000
	Orientation: /		True Width :	2 m	Host :	Fine bedded dark chloritic siltstone						

Comments : RKG 1 -sulfide stockwork

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191954 N	Type :	Chip	Alteration :	strong	Au	Ag	Co	Cu	La	Mo
		571047 E	Strike Length Exp. :	100 m	Metallics :	CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937721	Elevation:		Sample Width :	2 m	Secondaries:	MC	<5.000	0.800	99.00	17800	20.00	5.000
	Orientation: /		True Width :	2 m	Host :	Fine bedded, dark chloritic siltstone						

Comments : RKG 2 - sulfide stockwork

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191944 N	Type :	Chip	Alteration :		Au	Ag	Co	Cu	La	Mo
		571057 E	Strike Length Exp. :	100 m	Metallics :	15-17%CP, HS, PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937722	Elevation:		Sample Width :	2 m	Secondaries:		40.00	0.400	505.0	241	20.00	2.000
	Orientation: /		True Width :	2 m	Host :	As above # 937721						

Comments : RKG 3 sulfide stockwork w hematite alteration

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191932 N	Type :	Chip	Alteration :		Au	Ag	Co	Cu	La	Mo
		571070 E	Strike Length Exp. :	100 m	Metallics :	85%HS, PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937723	Elevation:		Sample Width :	2 m	Secondaries:		5.000	0.200	298.0	19	30.00	2.000
	Orientation: /		True Width :	2 m	Host :	Hematite breccia						

Comments : RKG 4 hematite breccia with pyrite clots

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191771 N	Type :	Chip	Alteration :		Au	Ag	Co	Cu	La	Mo
		570593 E	Strike Length Exp. :	m	Metallics :	wCP, sHM, wPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937724	Elevation:		Sample Width :	20 m	Secondaries:		15.00	0.200	355.0	296	30.00	6.000
	Orientation: /		True Width :	100? m	Host :							

Comments : purple siltite of upper Quartet

Sample No.	UTM :	7191562 N	Type : Float	Alteration :	wCB, mCL	Au	Ag	Co	Cu	La	Mo
		572449 E	Strike Length Exp. : m	Metallics :	0.5%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937725	Elevation:	1425 m	Sample Width : m	Secondaries:	wHE	15.00	1.400	28.00	598	10.00	1.000
	Orientation:	/	True Width : m	Host :	Andesite, fine grained massive						

Comments : Minor chalcopyrite in carbonate veins +- specular hematite

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Sample No.	UTM :	7191629 N	Type : Float	Alteration :	wCB, sCL, wKF	Au	Ag	Co	Cu	La	Mo
		573160 E	Strike Length Exp. : m	Metallics :	tr-1%CP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937726	Elevation:		Sample Width : m	Secondaries:	wHE, wMC	20.00	0.400	94.00	4620	10.00	1.000
	Orientation:	/	True Width : m	Host :	Fine grained diorite						

Comments : Talus here is diorite + Wernecke breccia, sampled several pieces diorite with trace-1% chalcopyrite, minor pyrite, chalcopyrite disseminated, fracture content and in carbonate units

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Sample No.	UTM :	7191651 N	Type : Float	Alteration :	wCB,w-mCL,w-sKF,w-mSI,wPF	Au	Ag	Co	Cu	La	Mo
		573653 E	Strike Length Exp. : m	Metallics :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937727	Elevation:	1170 m	Sample Width : m	Secondaries:	w-mHE, WJA	<5.000	0.200	10.00	29	60.00	1.000
	Orientation:	/	True Width : m	Host :	Wernecke breccia						

Comments : composite sampling of Wernecke breccia talus, variably K-spar, chlorite, hematite, quartz and or plagioclase and FE-oxide altered

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Sample No.	UTM :	7191028 N	Type :	Alteration :	wCB, m-sCL, w-mKF	Au	Ag	Co	Cu	La	Mo
		573389 E	Strike Length Exp. : m	Metallics :	trCP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937728	Elevation:	1230 m	Sample Width : m	Secondaries:	wHE	10.00	0.200	51.00	247	10.00	1.000
	Orientation:	/	True Width : m	Host :	Dark green andesite, fractured/faulted						

Comments : Random grab of andesite, outcrop noted 1 spec of chalcopyrite in carbonate unit

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Sample No.	UTM :	7191589 N	Type : Select	Alteration :	wCB, sCL, mEP, mKF	Au	Ag	Co	Cu	La	Mo
		573979 E	Strike Length Exp. : m	Metallics :	1%CP, 1%MG, <1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937729	Elevation:	1110 m	Sample Width : m	Secondaries:		135.0	0.600	65.00	1715	10.00	1.000
	Orientation:	/	True Width : m	Host :	Diorite						

Comments : Select sample of diorite , bearing chalcopyrite in veinlets, minor disseminated fine grained chalcopyrite adjacent to veinlets (fine grained - 5cm), mineralized veinlets rare in outcrop

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Sample No.	UTM :	7191592 N	Type : Grab	Alteration :	wCB, sCL, w-mKF	Au	Ag	Co	Cu	La	Mo
		573981 E	Strike Length Exp. : m	Metallics :	0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937730	Elevation:	1110 m	Sample Width : m	Secondaries:	wHE	5.000	0.400	35.00	196	10.00	1.000
	Orientation:	/	True Width : m	Host :	Diorite						

Comments : Grab of diorite with no apparent copper mineralization

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Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7191425 N	Type : Grab	Alteration :	sCB, sQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571977 E	Strike Length Exp. : 10-15 m	Metallics :	1-2%CP						
937813	Elevation:	5200 ft	Sample Width : 10 cm	Secondaries:	sHE, wMC	5.000	8.400	23.00	24900	10.00	13.00
	Orientation:	120 / 65 NE	True Width : m	Host :	Banded siltstone						

Comments :

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7191405 N	Type : Float	Alteration :	sCB, sQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571972 E	Strike Length Exp. : m	Metallics :	2-3%CP						
937814	Elevation:	5200 ft	Sample Width : m	Secondaries:	mGE, sHE, sJA, wMC	<5.000	7.000	99.00	17000	10.00	1.000
	Orientation:	/	True Width : m	Host :	Dark siltstones						

Comments : talus below cliffs

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7191369 N	Type : Float	Alteration :	MR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571952 E	Strike Length Exp. : m	Metallics :	>1%CP, 1%HS						
937815	Elevation:	5225 ft	Sample Width : m	Secondaries:	wHE	<5.000	0.200	9.000	1410	10.00	1.000
	Orientation:	/	True Width : m	Host :	Barite						

Comments : talus below cliffs

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7191303 N	Type : Select/grab	Alteration :	sCB, sQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571932 E	Strike Length Exp. : 20 m	Metallics :	2-5%CP						
937816	Elevation:	5250 ft	Sample Width : 65 cm	Secondaries:	sJA, wMC	<5.000	8.000	18.00	16800	10.00	1.000
	Vein :	120 / 60 NE	True Width : 65 cm	Host :	Shattered siltstones						

Comments : Bedding 160/85NE

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7191272 N	Type : Grab	Alteration :	sCP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571914 E	Strike Length Exp. : 10 m	Metallics :	2-3%CP						
937817	Elevation:	5250 ft	Sample Width : 15 cm	Secondaries:	sHE, wMC	<5.000	20.00	22.00	90800	10.00	1.000
	Vein :	110 / 60 NE	True Width : 15 cm	Host :	Dolomite						

Comments : bedding 030/25NW

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7190739 N	Type : Float	Alteration :	sKF	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571886 E	Strike Length Exp. : m	Metallics :	trCP, 5%HS						
937818	Elevation:	5300 ft	Sample Width : m	Secondaries:	sHE	25.00	0.200	13.00	252	60.00	8.000
	Orientation:	/	True Width : m	Host :	Breccia						

Comments :

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7190877 N	Type :	Float	Alteration :	mQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		572228 E	Strike Length Exp. :	m	Metallics :	3-5%PY						
937819	Elevation:	5200 ft	Sample Width :	m	Secondaries:	wGE, wJA	<5.000	0.200	383.0	142	20.00	1.000
	Orientation:	/	True Width :	m	Host :	Sandstone						

Comments : Fault breccia

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7190910 N	Type :	Float	Alteration :	wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		572236 E	Strike Length Exp. :	m	Metallics :	1-2%PO						
937820	Elevation:	5200 ft	Sample Width :	m	Secondaries:	wJA	<5.000	0.400	459.0	358	40.00	1.000
	Orientation:	/	True Width :	m	Host :	Sandstone						

Comments : Fault breccia

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191152 N	Type :	float	Alteration :	KF, CB, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		572339 E	Strike Length Exp. :	m	Metallics :	1-2% CPY						
937821	Elevation:	5050 ft	Sample Width :	m	Secondaries:		<5.000	0.400	64.00	4370	10.00	3.000
	Orientation:	/	True Width :	m	Host :	Altered sediments						

Comments :

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191461 N	Type :	Float	Alteration :	sCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570475 E	Strike Length Exp. :	m	Metallics :	1-2%CP						
937838	Elevation:	5150 ft	Sample Width :	m	Secondaries:	mHE, wMC	<5.000	2.200	50.00	5820	10.00	6.000
	Orientation:	/	True Width :	m	Host :	Sediments						

Comments :

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7191507 N	Type :	Float	Alteration :	sCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570467 E	Strike Length Exp. :	m	Metallics :	1%CP						
937839	Elevation:	4975 ft	Sample Width :	m	Secondaries:	mHE	<5.000	0.200	21.00	785	10.00	3.000
	Orientation:	/	True Width :	m	Host :	Quartet siltstones						

Comments :

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	La	Mo
		7192138 N	Type :	Grab	Alteration :	CB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570317 E	Strike Length Exp. :	5-7 m	Metallics :	trCP, trPY						
937840	Elevation:	4600 ft	Sample Width :	3 m	Secondaries:	mGE, sJA	10.00	1.800	16.00	86	10.00	2.000
	Bedding :	020 / 40 NW	True Width :	? m	Host :	Quartet sediments						

Comments :

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7192367 N	Type : Float	Alteration :	sSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570240 E	Strike Length Exp. : m	Metallics :	3-5%PY						
937841	Elevation:	4800 ft	Sample Width : m	Secondaries:	wGE, sJA	<5.000	0.400	16.00	132	10.00	1.000
	Orientation:	/	True Width : m	Host :	Sediments						

Comments : Subcrop

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7192347 N	Type : Float	Alteration :	sCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570234 E	Strike Length Exp. : m	Metallics :	1-3%CP						
937842	Elevation:	4825 m	Sample Width : m	Secondaries:	sJA, sMC	<5.000	0.800	3.000	4690	10.00	1.000
	Orientation:	/	True Width : m	Host :	Quartet sediments						

Comments : subcrop

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7192324 N	Type : Grab	Alteration :	sCB, sQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570191 E	Strike Length Exp. : 25+ m	Metallics :	1-5%CP						
937843	Elevation:	4900 ft	Sample Width : 20 m	Secondaries:	mGE, mHE, sJA, sMC	<5.000	1.800	8.000	2730	10.00	1.000
	Bedding	: 050 / 50 NW	True Width : 20 m	Host :	Sediments						

Comments :

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7192345 N	Type : Grab	Alteration :	sSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570189 E	Strike Length Exp. : 20 m	Metallics :	trCP, trPY						
937844	Elevation:	5000 ft	Sample Width : 2 m	Secondaries:	sJA	<5.000	0.400	7.000	151	10.00	1.000
	Vein	: 310 / ?	True Width : ? m	Host :	Quartet siltstone						

Comments : sJA

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7191967 N	Type : select	Alteration :	CL, QZ, HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571031 E	Strike Length Exp. : m	Metallics :	PY						
937892	Elevation:	1350 m	Sample Width : m	Secondaries:		<5.000	0.200	2100	41	30.00	2.000
	Orientation:	/	True Width : m	Host :	altered sediments						

Comments : Pyrite veins sampled. Mod-strong foliation which may control mineralization cuts across creek.

Sample No.						Au	Ag	Co	Cu	La	Mo
	UTM :	7191934 N	Type : Grab	Alteration :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571065 E	Strike Length Exp. : m	Metallics :	5-10% CP						
937893	Elevation:		Sample Width : m	Secondaries:	sMC	<5.000	0.600	75.00	27700	30.00	1.000
	Orientation:	225 / 75	True Width : m	Host :	altered sediments						

Comments : Strong CP stockwork and patchy blebs.

Sample No.							Au	Ag	Co	Cu	La	Mo
	UTM :	7191924 N	Type : Grab	Alteration :			(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571070 E	Strike Length Exp. : m	Metallics :								
937894	Elevation:		Sample Width : 5 m	Secondaries:			10.00	2.000	42.00	42400	20.00	1.000
	Foliation : 050 / NE		True Width : m	Host :	Altered sediments							

Comments :

Sample No.							Au	Ag	Co	Cu	La	Mo
	UTM :	7192396 N	Type : Chip	Alteration :	wCB, m-wCL, sQZ, sSI		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570138 E	Strike Length Exp. : <20 m	Metallics :	<1%PY							
937983	Elevation: 1600 m		Sample Width : 3 m	Secondaries:	sGE, sJA		<5.000	2.000	14.00	121	10.00	1.000
	Vien : 105 /		True Width : m	Host :	Shale siltstone							

Comments : 3m. chip across quartz vein/ silicified and brecciated zone, along strike 5M. to west of 937984 and 937985

Sample No.							Au	Ag	Co	Cu	La	Mo
	UTM :	7192383 N	Type : Chip	Alteration :	wCB, wCL, sQZ, sSI, wBA		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570153 E	Strike Length Exp. : >20 m	Metallics :	trCP, tr-5%PY							
937984	Elevation: 1600 m		Sample Width : 3 m	Secondaries:	sGE, sJA, wMC		<5.000	3.000	8.000	272	10.00	1.000
	Orientation: /		True Width : m	Host :	Same as 937983							

Comments : chip across vien at location of native copper 937985 (none seen in material sampled), minor chalcopyrite and pyrite over the 1m. sample

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Sample No.							Au	Ag	Co	Cu	La	Mo
	UTM :	7192388 N	Type : Select	Alteration :	wCB, sQZ,sSI, wBA		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570168 E	Strike Length Exp. : m	Metallics :	<1%CP, 1-2%py							
937985	Elevation: 1600 m		Sample Width : m	Secondaries:	sGE, wHE, sJA, wMC		<5.000	0.200	19.00	2310	10.00	1.000
	Orientation: /		True Width : m	Host :	Same as 937984							

Comments : Select grab of quartz vein material from 937984 vein, which hosts 0.5% native copper, and good chalcopyrite/ pyrite mineralization (Disseminated patches, fine to coarse grained), this mineralization observed over 20cm.

Sample No.							Au	Ag	Co	Cu	La	Mo
	UTM :	7192324 N	Type : Grab	Alteration :	mCB, wCL, wQZ, mSI		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		570189 E	Strike Length Exp. : ? m	Metallics :	trCP, trPY							
937986	Elevation: 1585 m		Sample Width : 20 m	Secondaries:	wGE, wJA, wMC		<5.000	0.200	4.000	944	10.00	1.000
	Orientation: /		True Width : m	Host :	Crackle brecciated, foliated altered shale							

Comments : Broad alteration zone in shale with minor challcopyrite, zone is outlined by rusty talus SW ward, although from what I could see in first 100m. mineralization is weaker

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Sample No.							Au	Ag	Co	Cu	La	Mo
	UTM :	7191883 N	Type : Float	Alteration :	mCB, wKF, mSI		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571576 E	Strike Length Exp. : m	Metallics :	trPY							
937987	Elevation: 1620 m		Sample Width : m	Secondaries:	mHE		10.00	0.200	21.00	22	20.00	1.000
	Orientation: /		True Width : m	Host :	Wernecke breccia							

Comments : Composite grab of breccia talus on this hill.

Sample No.	UTM :	7191925 N	Type : Float	Alteration :	wCB, w-mCL, w-mQZ	Au	Ag	Co	Cu	La	Mo
		571797 E	Strike Length Exp. : m	Metallics :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937988	Elevation:	1775 m	Sample Width : m	Secondaries:	wMC	<5.000	0.200	12.00	2740	10.00	3.000
	Orientation:	/	True Width : m	Host :	Dolostone-dolomitic shale						

Comments : Select sample of dolostone talus juct bellow Wernecke breccia outcrop, with malachite stain, sample material fairly common but not abundant.

Sample No.	UTM :	7191917 N	Type : Grab	Alteration :	wCB, mKF, mSI	Au	Ag	Co	Cu	La	Mo
		571830 E	Strike Length Exp. : m	Metallics :	trCP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937989	Elevation:	1785 m	Sample Width : m	Secondaries:	m-sHE	15.00	0.200	18.00	163	70.00	2.000
	Orientation:	/	True Width : m	Host :	Wernecke breccia						

Comments : lithosample of Wernecke breccia, minor chalcopyrite seen in one piece

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APPENDIX F

ANALYTICAL PROCEDURES
AND
CERTIFICATES OF ANALYSES

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CHEMEX LABS LTD ANALYTICAL PROCEDURES

1. TRACE ANALYSIS

Gold

Fire Assay Collection/ Atomic Absorption Spectroscopy (FA-AA)

Chemex Code: 983

A 30g sample is fused with a neutral lead oxide flux inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

These beads are digested for 30 mins in 0.5ml concentrated nitric acid, then 1.5ml of concentrated hydrochloric acid are added and the mixture is digested for 1 hr. The samples are cooled, diluted to a final volume of 5ml, homogenized and analyzed by atomic absorption spectroscopy.

Detection limit: 5 ppb Upper Limit: 10,000 ppb

Arsenic ppm - Chemex Code 13

A 1.0 gram sample is digested with HNO3 - aqua regia acids for approximately 2 hours. The digested solution is diluted to volume and mixed. An aliquot of the digest is acidified and reduced with NaBH4 and arsenic content determined using flameless atomic absorption.

Detection limit: 1 ppm

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 04-352597
Fax: (604) 984-0218

24-Element Geochemistry Package (24-ICP)

Inductively-Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

The 24 element rock geochemistry package provides quantitative analysis of all major elements (except silicon) as well as most important trace elements.

A prepared sample (0.50g) is digested with perchloric, nitric and hydrofluoric acids to dryness. The residue is taken up in a volume of 25ml of 10% hydrochloric acid and the resulting solution is analyzed by inductively-coupled plasma atomic emission spectroscopy. Results are corrected for spectral interelement interferences.
For this project only uranium and lanthanum were also analyzed.

Chemex Code	Element	Detection Limit	Upper Limit
573	Aluminum	0.01 %	15 %
565	Barium	10 ppm	1 %
575	Beryllium	0.5 ppm	0.01 %
561	Bismuth	2 ppm	1 %
576	Calcium	0.01 %	25 %
562	Cadmium	0.5 ppm	0.05 %
569	Chromium	1 ppm	1 %
563	Cobalt	1 ppm	1 %
577	Copper	1 ppm	1 %
566	Iron	0.01 %	15 %
560	Lead	2 ppm	1 %
570	Magnesium	0.01 %	15 %
568	Manganese	5 ppm	1 %
554	Molybdenum	1 ppm	1 %
564	Nickel	1 ppm	1 %
559	Phosphorus	10 ppm	1 %
584	Potassium	0.01 %	10 %
578	Silver	0.5 ppm	0.02 %
583	Sodium	0.01 %	10 %
582	Strontium	1 ppm	1 %
579	Titanium	0.01 %	10 %
556	Tungsten	10 ppm	1 %
572	Vanadium	1 ppm	1 %
558	Zinc	2 ppm	1 %
	Uranium	10 ppm	1 %
	Lanthanum	10 ppm	1 %

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

PREPARATION METHODS

201 - DRY, SIEVE TO -80 MESH

a) Geochemical soil/silt samples are usually received in High/wet-strength 4x6 soil gusset bags. Sample sets are ordered, and dried for 12 to 24 hours at 50 deg. C.

b) The dried sample is hammered, to desegregate the soil particles, and then poured from the gusset bag into an 8 inch dia. 80 mesh stainless steel screen.

c) The sieve is shaken horizontally over a large clean piece of paper, where the -80 mesh fraction accumulates. When all the -80 fraction has passed through the sieve the +80 portion is discarded.

d) The -80 fraction is poured into a 2x3 coin envelope, which contains the exact same number as the submitted sample, for distribution to the analytical lab.

202 - DRY, SIEVE TO -80 MESH, SAVE +80 FRACTION

a) and b) see sections a) and b) of 201 c) The sieve is shaken horizontally over a large clean piece of paper, where the -80 mesh fraction accumulates. When all the -80 fraction has passed through the sieve the +80 portion is poured into a new 4x6 gusset bag (which contains the same number as the submitted sample), boxed, and filed. d) The -80 fraction is poured into a 2x3 coin envelope, which contains the exact same number as the submitted sample, for distribution to the analytical lab.

203 - DRY, SIEVE TO -35 MESH

a) Geochemical soil/silt samples are usually received in High/wet-strength 4x6 soil gusset bags. Sample sets are ordered, and dried for 12 to 24 hours at 50 deg. C.

b) The dried sample is hammered, to desegregate the soil particles, and then poured from the gusset bag into an 8 inch dia. 35 mesh stainless steel screen.

c) The sieve is shaken horizontally over a large clean piece of paper, where the -35 mesh fraction accumulates. When all the -35 fraction has passed through the sieve the +35 portion is discarded.

d) The -35 fraction is put into a ring grinder and rung to approximately 150 mesh. The pulp is put into a 2x3 coin envelope (same sample numbered envelope) for distribution to the analytical lab.

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212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
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PREPARATION METHODS - ROCK/ORE

205 - GEOCHEM RING

a) Samples arrive in poly or olefin rock bags. Samples are ordered prior to crushing.

b) The sample is poured into a primary jaw, and crushed to approximately 1/4 inch. This is secondary crushed in a roll crusher to approximately 10 mesh.

c) The crushed sample is then split using a Jones Riffle splitter to approximately 200 to 250 grams. The reject is poured into the original bag for storage, or return to client.
d) The sample split is put into a Rocklabs (large ring) ring mill, and rung to approximately 150 mesh. The pulped sample is poured into a 4x6 tin-top bag, (which has been labeled with the original number), for distribution to the analytical lab.

217 - GEOCHEM RING - ENTIRE SAMPLE (Used for samples 200 grams or less)

a) The entire sample is put into a Rocklabs (large ring) ring mill, and rung to approximately 150 mesh. The pulped sample is poured into a 4x6 tin-top bag (correctly labeled), for distribution to the analytical lab.

208 - ASSAY RING

a) Samples arrive in poly or olefin rock bags. Samples are ordered prior to crushing.

b) The sample is poured into a primary jaw, and crushed to approximately 1/4 inch. This is secondary crushed in a roll or cone crusher to approximately 10 mesh.

c) The crushed sample is then split using a Jones Riffle splitter to approximately 200 to 250 grams. The reject is poured into the original bag for storage, or return to client.

d) The sample split is put into a Rocklabs (large ring) ring mill, and rung to approximately 150 mesh. The pulped sample is poured into a 4x6 tin-top bag, (which has been labeled with the original number), sealed prior to being distributed to the analytical lab.

207 - ASSAY ROTARY PULVERIZE

a) and b) - see sections a) and b) under 208 c) The crushed sample is then split using a Jones Riffle splitter to approximately 250 to 350 grams. The reject is poured into the original bag for storage, or return to client. d) The sample split is ground in a Bico rotary pulverizer and screened to 140 mesh. The +140 material is visually inspected for metallics. e) If NO metallics are found, then the +140 fraction is hand ground to -140. The entire sample is then homogenized (by rolling). f) IF metallics are found, they are put into a separate coin envelope, kept with the original sample, and fused separately. The entire -140 fraction is homogenized.

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9424060

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9424060

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-PIKA/SLAB
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	17	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
13	17	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

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British Columbia, Canada V7J 2C1
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Page Number : 1
Total Pages : 1
Certificate Date: 26-AUG-94
Invoice No. : I9424060
P.O. Number :
Account : BM W

Project : FAIRCHILD-PIKA/SLAB
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424060

SAMPLE	PREP CODE	As ppm
AM94-002	244 --	38
AM94-003	244 --	26
AM94-004	244 --	18
OL94-001	244 --	42
OL94-002	244 --	60
OL94-003	244 --	20
OL94-004	244 --	8
OL94-005	244 --	4
OL94-006	244 --	32
OL94-007	244 --	30
OL94-008	244 --	30
OL94-009	244 --	26
OL94-010	244 --	18
RV94-001	244 --	14
RV94-002	244 --	2
RV94-003	244 --	4
RV94-004	244 --	4

CERTIFICATION: Stan Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9419277

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9419277

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-PIKA
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	18	Geochem ring to approx 150 mesh
226	18	0-5 lb crush and split
285	18	ICP - HF digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	18	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	18	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	18	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	18	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	18	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	18	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	18	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	18	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	18	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	18	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	18	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	18	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	18	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	18	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	18	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	18	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	18	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	18	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	18	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	18	Pb ppm: 24 element, rock & core	AAS	2	10000
582	18	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	18	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	18	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	18	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	18	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	18	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1-A
Total Pages : 1
Certificate Date: 09-JUL-94
Invoice No. : I9419277
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9419277

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937701	205	226	30	0.2	7.40	1230	< 0.5	< 2	1.08	< 0.5	82	57	1640	7.78	6.25	3.61
937711	205	226	10	0.8	1.23	220	< 0.5	< 2	5.37	< 0.5	60	131	7270	3.14	0.63	2.29
937712	205	226	15	< 0.2	6.48	590	< 0.5	< 2	1.99	< 0.5	112	49	1680	10.10	3.08	4.29
937725	205	226	15	1.4	4.15	3330	< 0.5	< 2	3.52	< 0.5	28	76	598	9.17	1.94	4.47
937726	205	226	20	0.4	6.30	430	< 0.5	< 2	1.56	< 0.5	94	39	4620	8.72	3.03	4.73
937727	205	226	< 5	< 0.2	7.25	980	< 0.5	< 2	3.00	< 0.5	10	79	29	4.69	6.48	1.54
937728	205	226	10	< 0.2	7.36	910	< 0.5	< 2	0.33	< 0.5	51	47	247	9.99	2.28	4.91
937729	205	226	135	0.6	7.93	640	< 0.5	< 2	4.12	0.5	65	99	1715	8.27	1.84	4.39
937730	205	226	5	0.4	7.51	920	< 0.5	< 2	3.01	< 0.5	35	84	196	8.65	2.37	3.94
937813	205	226	5	8.4	2.24	120	< 0.5	< 2	3.94	0.5	23	125	>10000	5.16	0.85	1.55
937814	205	226	< 5	7.0	4.01	400	< 0.5	< 2	4.97	< 0.5	99	93	>10000	4.93	1.51	2.32
937815	205	226	< 5	< 0.2	0.33	780	< 0.5	< 2	2.14	< 0.5	9	28	1410	1.12	0.15	0.66
937816	205	226	< 5	8.0	3.02	190	< 0.5	< 2	5.16	< 0.5	18	150	>10000	5.59	2.58	2.50
937817	205	226	< 5	20.0	0.67	60	< 0.5	< 2	8.19	< 0.5	22	62	>10000	10.80	0.19	3.81
937818	205	226	25	0.2	6.01	1250	< 0.5	< 2	1.79	< 0.5	13	87	252	10.25	4.72	1.47
937819	205	226	< 5	< 0.2	4.89	270	1.0	< 2	0.11	< 0.5	383	136	142	2.40	1.74	0.63
937820	205	226	< 5	0.4	7.80	340	2.0	< 2	0.31	< 0.5	459	141	358	1.99	3.09	0.64
937821	205	226	< 5	0.4	0.92	160	< 0.5	< 2	2.83	< 0.5	64	145	4370	8.36	0.42	0.32

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Page Number : 1-B
Total Pages : 1
Certificate Date: 09-JUL-94
Invoice No. : I9419277
P.O. Number :
Account : BM W

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419277

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937701	205	226	515	14	0.29	58	760	< 2	31	0.74	273	< 10	38	30		
937711	205	226	4440	7	0.02	16	760	< 2	53	0.02	26	< 10	120	< 10		
937712	205	226	1880	1	0.24	66	420	< 2	13	0.44	301	< 10	54	40		
937725	205	226	1585	< 1	0.15	35	380	< 2	63	0.63	230	< 10	30	< 10		
937726	205	226	1330	1	0.44	37	520	< 2	16	0.79	315	< 10	60	10		
937727	205	226	1200	< 1	0.18	19	840	< 2	38	0.15	80	< 10	18	60		
937728	205	226	855	< 1	1.15	50	500	< 2	29	0.87	412	< 10	236	10		
937729	205	226	1530	< 1	2.20	57	400	176	202	0.69	334	< 10	922	< 10		
937730	205	226	1500	< 1	2.38	48	500	48	70	0.82	312	< 10	456	< 10		
937813	205	226	3160	13	0.08	26	200	< 2	437	0.04	23	< 10	516	< 10		
937814	205	226	2250	1	0.17	49	300	6	37	0.11	36	< 10	50	< 10		
937815	205	226	1390	< 1	0.02	4	60	< 2	902	< 0.01	6	< 10	12	< 10		
937816	205	226	2490	1	0.10	26	840	8	25	0.07	31	< 10	292	< 10		
937817	205	226	5060	1	0.06	28	850	2	38	< 0.01	15	< 10	116	< 10		
937818	205	226	1160	8	0.17	29	1050	< 2	26	0.27	215	< 10	12	60		
937819	205	226	150	1	0.18	66	140	< 2	21	0.17	68	< 10	22	20		
937820	205	226	270	1	0.35	58	250	< 2	48	0.26	91	< 10	16	40		
937821	205	226	1240	3	0.01	14	9640	< 2	27	0.02	22	< 10	4	< 10		

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
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VANCOUVER, BC
V6B 1N4

Page Number : 1-A
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Account : BM W

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419277

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937701	205 226	30	0.2	7.40	1230	< 0.5	< 2	1.08	< 0.5	82	57	1640	7.78	6.25	3.61
937711	205 226	10	0.8	1.23	220	< 0.5	< 2	5.37	< 0.5	60	131	7270	3.14	0.63	2.29
937712	205 226	15	< 0.2	6.48	590	< 0.5	< 2	1.99	< 0.5	112	49	1680	10.10	3.08	4.29
937725	205 226	15	1.4	4.15	3330	< 0.5	< 2	3.52	< 0.5	28	76	598	9.17	1.94	4.47
937726	205 226	20	0.4	6.30	430	< 0.5	< 2	1.56	< 0.5	94	39	4620	8.72	3.03	4.73
937727	205 226	< 5	< 0.2	7.25	980	< 0.5	< 2	3.00	< 0.5	10	79	29	4.69	6.48	1.54
937728	205 226	10	< 0.2	7.36	910	< 0.5	< 2	0.33	< 0.5	51	47	247	9.99	2.28	4.91
937729	205 226	135	0.6	7.93	640	< 0.5	< 2	4.12	0.5	65	99	1715	8.27	1.84	4.39
937730	205 226	5	0.4	7.51	920	< 0.5	< 2	3.01	< 0.5	35	84	196	8.65	2.37	3.94
937813	205 226	5	8.4	2.24	120	< 0.5	< 2	3.94	0.5	23	125	>10000	5.16	0.85	1.55
937814	205 226	< 5	7.0	4.01	400	< 0.5	< 2	4.97	< 0.5	99	93	>10000	4.93	1.51	2.32
937815	205 226	< 5	< 0.2	0.33	780	< 0.5	< 2	2.14	< 0.5	9	28	1410	1.12	0.15	0.66
937816	205 226	< 5	8.0	3.02	190	< 0.5	< 2	5.16	< 0.5	18	150	>10000	5.59	2.58	2.50
937817	205 226	< 5	20.0	0.67	60	< 0.5	< 2	8.19	< 0.5	22	62	>10000	10.80	0.19	3.81
937818	205 226	25	0.2	6.01	1250	< 0.5	< 2	1.79	< 0.5	13	87	252	10.25	4.72	1.47
937819	205 226	< 5	< 0.2	4.89	270	1.0	< 2	0.11	< 0.5	383	136	142	2.40	1.74	0.63
937820	205 226	< 5	0.4	7.80	340	2.0	< 2	0.31	< 0.5	459	141	358	1.99	3.09	0.64
937821	205 226	< 5	0.4	0.92	160	< 0.5	< 2	2.83	< 0.5	64	145	4370	8.36	0.42	0.32

CERTIFICATION: Ian Bucklen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Page Number : 1-B
Total Pages : 1
Certificate Date: 09-JUL-94
Invoice No. : I9419277
P.O. Number :
Account : BM W

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419277

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937701	205	226	515	14	0.29	58	760	< 2	31	0.74	273	< 10	38	30		
937711	205	226	4440	7	0.02	16	760	< 2	53	0.02	26	< 10	120	< 10		
937712	205	226	1880	1	0.24	66	420	< 2	13	0.44	301	< 10	54	40		
937725	205	226	1585	< 1	0.15	35	380	< 2	63	0.63	230	< 10	30	< 10		
937726	205	226	1330	1	0.44	37	520	< 2	16	0.79	315	< 10	60	10		
937727	205	226	1200	< 1	0.18	19	840	< 2	38	0.15	80	< 10	18	60		
937728	205	226	855	< 1	1.15	50	500	< 2	29	0.87	412	< 10	236	10		
937729	205	226	1530	< 1	2.20	57	400	176	202	0.69	334	< 10	922	< 10		
937730	205	226	1500	< 1	2.38	48	500	48	70	0.82	312	< 10	456	< 10		
937813	205	226	3160	13	0.08	26	200	< 2	437	0.04	23	< 10	516	< 10		
937814	205	226	2250	1	0.17	49	300	6	37	0.11	36	< 10	50	< 10		
937815	205	226	1390	< 1	0.02	4	60	< 2	902	< 0.01	6	< 10	12	< 10		
937816	205	226	2490	1	0.10	26	840	8	25	0.07	31	< 10	292	< 10		
937817	205	226	5060	1	0.06	28	850	2	38	< 0.01	15	< 10	116	< 10		
937818	205	226	1160	8	0.17	29	1050	< 2	26	0.27	215	< 10	12	60		
937819	205	226	150	1	0.18	66	140	< 2	21	0.17	68	< 10	22	20		
937820	205	226	270	1	0.35	58	250	< 2	48	0.26	91	< 10	16	40		
937821	205	226	1240	3	0.01	14	9640	< 2	27	0.02	22	< 10	4	< 10		

CERTIFICATION: Ian H Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9420121

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9420121

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-COOPE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	2	Cu %: Reverse Aqua-Regia digest	AAS	0.01	100.0

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Page Number : 1
Total Pages : 1
Certificate Date: 14-JUL-94
Invoice No. : I9420121
P.O. Number :
Account : BM W

Project : FAIRCHILD-COOPE
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9420121

SAMPLE	PREP CODE	Cu %
937720	244 --	2.04
937721	244 --	1.78

CERTIFICATION: 

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Certificate Date: 14-JUL-94
Invoice No. : I9420121
P.O. Number :
Account : BM W

Project : FAIRCHILD-COOPE
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9420121

SAMPLE	PREP CODE	Cu %
937720	244 --	2.04
937721	244 --	1.78

CERTIFICATION:

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A9422895

Comments: CC: PAMICON CC:D. CAULFIELD CC:M. JONES CC:R. VANCE

CERTIFICATE A9422895

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XP
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	1	Cu %: Reverse Aqua-Regia digest	AAS	0.01	100.0

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Page Number : 1
Total Pages : 1
Certificate Date: 17-AUG-94
Invoice No. : I9422895
P.O. Number :
Account : BM W

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC:D. CAULFIELD CC:M. JONES CC:R. VANCE

CERTIFICATE OF ANALYSIS A9422895

SAMPLE	PREP CODE	Cu %
947437	244 --	4.12

CERTIFICATION:

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Page Number : 1
Total Pages : 1
Certificate Date: 17-AUG-94
Invoice No. : 19422895
P.O. Number :
Account : BM W

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC:D. CAULFIELD CC:M. JONES CC:R. VANCE

CERTIFICATE OF ANALYSIS A9422895

SAMPLE	PREP CODE	Cu %
947437	244 --	4.12

CERTIFICATION:

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To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
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V6B 1N4

A9424062

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9424062

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-PIKA
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	6	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
13	6	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

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To: PAMICON DEVELOPMENTS LIMITED
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Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1
Total Pages : 1
Certificate Date: 03-SEP-94
Invoice No. : I9424062
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9424062

SAMPLE	PREP CODE	As ppm
AM94020	244 --	10
AM94021	244 --	2
AM94022	244 --	1
AM94023	244 --	1
AM94024	244 --	2
AM94025	244 --	1

CERTIFICATION: Ian Bichler

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Page Number : 1
Total Pages : 1
Certificate Date: 03-SEP-94
Invoice No. : I9424062
P.O. Number :
Account : BM W

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424062

SAMPLE	PREP CODE	As ppm
AM94020	244 --	10
AM94021	244 --	2
AM94022	244 --	1
AM94023	244 --	1
AM94024	244 --	2
AM94025	244 --	1

CERTIFICATION: Hawk Bichler

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To: PAMICON DEVELOPMENTS LIMITED
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V6B 1N4

A9424076

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9424076

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XP
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	5	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
13	5	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000

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Page Number : 1
Total Pages : 1
Certificate Date: 03-SEP-94
Invoice No. : I9424076
P.O. Number :
Account : BM W

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424076

SAMPLE	PREP CODE	As ppm
BG94010	244 --	52
BG94020	244 --	80
BG94030	244 --	14
BG94040	244 --	12
BG94050	244 --	14

CERTIFICATION: Stewart Bichlmaier

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Page Number : 1
Total Pages : 1
Certificate Date: 03-SEP-94
Invoice No. : I9424076
P.O. Number :
Account : BM W

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424076

SAMPLE	PREP CODE	As ppm
BG94010	244 --	52
BG94020	244 --	80
BG94030	244 --	14
BG94040	244 --	12
BG94050	244 --	14

CERTIFICATION: Ian Buchan

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To: PAMICON DEVELOPMENTS LIMITED
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V6B 1N4

A9421580

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9421580

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XP
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 4-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	1	Geochem ring to approx 150 mesh
294	1	Crush and split (6-10 pounds)
285	1	ICP - HF digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	1	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	1	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	1	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	1	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	1	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	1	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	1	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	1	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	1	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	1	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	1	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	1	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	1	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	1	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	1	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	1	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	1	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	1	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	1	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	1	Pb ppm: 24 element, rock & core	AAS	2	10000
582	1	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	1	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	1	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	1	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	1	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	1	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1-A
Total Pages : 1
Certificate Date: 04-AUG-94
Invoice No. : I9421580
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9421580

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937437	205	294	125	1.2	1.22	20	< 0.5	12	0.07	1.5	2880	61	>10000	>25.0	0.31	0.51

CERTIFICATION: David Buchan

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212 Brooksbank Ave., North Vancouver
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Page Number : 1-B
Total Pages : 1
Certificate Date: 04-AUG-94
Invoice No. : I9421580
P.O. Number :
Account : BM W

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9421580

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937437	205	294	2800	11	0.18	316	100	14	9	0.01	29	< 10	20	10		

CERTIFICATION: Jan Buchler

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A9421593

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9421593

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XC
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 4-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	3	Geochem ring to approx 150 mesh
294	3	Crush and split (6-10 pounds)
285	3	ICP - HF digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	3	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	3	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	3	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	3	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	3	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	3	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	3	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	3	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	3	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	3	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	3	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	3	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	3	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	3	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	3	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	3	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	3	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	3	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	3	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	3	Pb ppm: 24 element, rock & core	AAS	2	10000
582	3	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	3	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	3	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	3	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	3	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	3	La ppm: 20 element, rock ID	ICP-AES	10	10000

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To: PAMICON DEVELOPMENTS LIMITED *
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Page Number : 1-A
Total Pages : 1
Certificate Date: 04-AUG-94
Invoice No. : 19421593
P.O. Number :
Account : BM W

Project : FAIRCHILD-XC
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9421593

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937892	205 294	< 5	< 0.2	4.37	60	< 0.5	< 2	0.13	2.0	2100	72	41	22.4	0.41	2.66
937893	205 294	< 5	0.6	4.35	90	< 0.5	< 2	1.01	1.0	75	58	>10000	16.55	0.51	3.09
937894	205 294	10	2.0	5.01	80	< 0.5	< 2	0.04	< 0.5	42	89	>10000	9.77	1.76	1.04

CERTIFICATION: Ian Bachler

Chemex Labs Ltd.

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PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
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V6B 1N4

Page Number : 1-B
Total Pages : 1
Certificate Date: 04-AUG-94
Invoice No. : I9421593
P.O. Number :
Account : BM W

Project : FAIRCHILD-XC
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9421593

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937892	205	294	1865	2	0.17	71	470	4	12	0.10	37	< 10	34	30		
937893	205	294	2910	1	0.17	34	340	< 2	14	0.08	46	< 10	8	30		
937894	205	294	540	1	0.11	44	90	< 2	5	0.10	38	40	20	20		

CERTIFICATION: Ian Buchler

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9422900

Comments: CC: PAMICON CC:D. CAULFIELD CC:M. JONES CC:R. VANCE

CERTIFICATE A9422900

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XC
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	2	Cu %: Reverse Aqua-Regia digest	AAS	0.01	100.0

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Total Pages : 1
Certificate Date: 16-AUG-94
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P.O. Number :
Account : BM W

Project : FAIRCHILD-XC
Comments: CC: PAMICON CC:D. CAULFIELD CC:M. JONES CC:R. VANCE

CERTIFICATE OF ANALYSIS A9422900

SAMPLE	PREP CODE	Cu %
937893	244 --	2.77
937894	244 --	4.24

CERTIFICATION: _____

Chemex Labs Ltd.

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To: PAMICON DEVELOPMENTS LIMITED
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Project : FAIRCHILD-XC
Comments: CC: PAMICON CC:D. CAULFIELD CC:M. JONES CC:R. VANCE

Page Number : 1
Total Pages : 1
Certificate Date: 16-AUG-94
Invoice No. : I9422900
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9422900

SAMPLE	PREP CODE	Cu %
937893	244 --	2.77
937894	244 --	4.24

CERTIFICATION: A Khotri

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9420284

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9420284

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XP
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 20-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	5	Geochem ring to approx 150 mesh
294	5	Crush and split (6-10 pounds)
285	5	ICP - HF digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	5	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	5	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	5	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	5	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	5	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	5	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	5	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	5	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	5	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	5	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	5	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	5	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	5	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	5	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	5	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	5	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	5	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	5	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	5	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	5	Pb ppm: 24 element, rock & core	AAS	2	10000
582	5	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	5	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	5	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	5	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	5	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	5	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Certificate Date: 20-JUL-94
Invoice No. : I9420284
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9420284

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937418	205	294	< 5	2.6	2.91	60	0.5	< 2	2.50	< 0.5	10	95	2010	5.18	0.63	2.81
937419	205	294	< 5	3.4	3.04	70	< 0.5	< 2	0.29	< 0.5	8	116	707	6.28	0.59	1.92
937420	205	294	< 5	10.4	3.91	160	0.5	< 2	0.46	< 0.5	20	69	148	14.35	1.45	0.85
937421	205	294	< 5	0.6	1.19	80	< 0.5	2	1.42	< 0.5	11	188	32	2.13	0.49	0.57
937528	205	294	< 5	< 0.2	0.07	20	< 0.5	< 2	21.5	< 0.5	< 1	4	3	0.08	0.04	12.25

CERTIFICATION: Stan Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED *
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Page Number : 1-B
Total Pages : 1
Certificate Date: 20-JUL-94
Invoice No. : I9420284
P.O. Number :
Account : BM W

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9420284

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937418	205	294	905	< 1	0.05	14	180	26	15	0.04	23	10	32	20		
937419	205	294	305	< 1	0.05	11	200	54	4	0.07	22	< 10	68	10		
937420	205	294	500	< 1	0.13	28	220	284	7	0.09	31	< 10	128	30		
937421	205	294	795	1	0.03	9	340	14	7	0.01	15	< 10	14	10		
937528	205	294	190	< 1	0.08	< 1	30	4	56	< 0.01	14	< 10	20	< 10		

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9420245

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9420245

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XP
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 19-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	7	Geochem ring to approx 150 mesh
294	7	Crush and split (6-10 pounds)
285	7	ICP - HF digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	7	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	7	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	7	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	7	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	7	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	7	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	7	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	7	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	7	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	7	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	7	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	7	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	7	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	7	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	7	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	7	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	7	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	7	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	7	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	7	Pb ppm: 24 element, rock & core	AAS	2	10000
582	7	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	7	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	7	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	7	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	7	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	7	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED *
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Page Number : 1-A
Total Pages : 1
Certificate Date: 19-JUL-94
Invoice No. : I9420245
P.O. Number :
Account : BM W

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9420245

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937983	205	294	< 5	2.0	2.41	420	0.5	< 2	0.98	< 0.5	14	51	121	1.62	1.71	0.59
937984	205	294	< 5	3.0	1.86	860	0.5	< 2	0.27	< 0.5	8	60	272	1.96	1.47	0.22
937985	205	294	< 5	0.2	1.68	120	< 0.5	< 2	0.24	0.5	19	58	2310	3.53	1.25	0.20
937986	205	294	< 5	< 0.2	3.34	330	0.5	6	1.89	< 0.5	4	64	944	2.25	1.51	1.97
937987	205	294	10	< 0.2	6.23	9520	0.5	< 2	3.24	< 0.5	21	33	22	5.87	7.22	1.80
937988	205	294	< 5	< 0.2	1.29	210	0.5	6	16.40	0.5	12	< 1	2740	2.31	0.82	9.78
937989	205	294	15	< 0.2	6.49	1470	1.0	< 2	3.10	< 0.5	18	32	163	7.34	6.89	1.73

CERTIFICATION: Stan Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED *
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1-B
Total Pages : 1
Certificate Date: 19-JUL-94
Invoice No. : I9420245
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9420245

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937983	205	294	785	< 1	0.06	10	120	16	17	0.04	15	< 10	128	10		
937984	205	294	220	< 1	0.05	4	70	36	17	0.03	10	< 10	134	10		
937985	205	294	275	< 1	0.05	12	70	24	12	0.02	9	< 10	358	< 10		
937986	205	294	385	< 1	0.06	6	200	10	11	0.07	24	< 10	32	10		
937987	205	294	3460	1	0.17	17	770	2	131	0.13	60	< 10	24	20		
937988	205	294	2480	3	0.06	6	280	10	83	0.03	54	< 10	124	< 10		
937989	205	294	2430	2	0.16	16	900	< 2	31	0.12	69	< 10	10	70		

CERTIFICATION: Peter H. Pamicon

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9420244

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9420244

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-XP
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 19-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	5	Dry, sieve to -80 mesh
285	5	ICP - HF digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	5	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	5	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	5	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	5	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	5	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	5	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	5	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	5	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	5	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	5	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	5	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	5	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	5	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	5	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	5	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	5	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	5	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	5	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	5	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	5	Pb ppm: 24 element, rock & core	AAS	2	10000
582	5	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	5	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	5	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	5	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	5	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	5	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED *
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1-A
Total Pages : 1
Certificate Date: 19-JUL-94
Invoice No. : I9420244
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9420244

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
BG94010	201	285	15	0.6	4.16	4690	1.5	< 2	7.49	< 0.5	43	17	423	6.10	2.29	4.71
BG94020	201	285	< 5	1.8	6.72	430	2.0	4	1.89	< 0.5	33	24	295	5.24	3.23	1.62
BG94030	201	285	< 5	0.6	6.24	1890	2.5	4	2.66	< 0.5	26	50	120	3.80	4.17	2.30
BG94040	201	285	25	0.4	4.29	2380	1.0	< 2	3.07	< 0.5	15	14	106	2.86	2.42	1.89
BG94050	201	285	< 5	0.6	6.93	5580	2.0	< 2	0.44	< 0.5	24	32	175	4.26	3.45	0.68

CERTIFICATION: Stuart Buchlan

Chemex Labs Ltd.

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To: PAMICON DEVELOPMENTS LIMITED
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V6B 1N4

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Project : FAIRCHILD-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9420244

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
BG94010	201 285	3030	1	0.33	38	860	88	114	0.15	82	< 10	74	< 10		
BG94020	201 285	2550	2	0.21	34	720	56	135	0.20	75	< 10	68	30		
BG94030	201 285	1530	< 1	0.26	24	490	34	66	0.25	73	< 10	58	20		
BG94040	201 285	1080	< 1	0.25	15	370	32	69	0.16	50	< 10	42	< 10		
BG94050	201 285	1535	2	0.29	21	460	10	113	0.19	72	< 10	34	40		

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9420120

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9420120

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-PIKA
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	4	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	4	Cu %: Reverse Aqua-Regia digest	AAS	0.01	100.0

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Page Number : 1
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Account : BM W

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9420120

SAMPLE	PREP CODE	Cu %
937813	244 --	2.49
937814	244 --	1.70
937816	244 --	1.68
937817	244 --	9.08

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: PAMICON DEVELOPMENTS LIMITED
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Page Number : 1
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Project : FAIRCHILD-PIKA
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CERTIFICATE OF ANALYSIS A9420120

SAMPLE	PREP CODE	Cu %
937813	244 --	2.49
937814	244 --	1.70
937816	244 --	1.68
937817	244 --	9.08

CERTIFICATION:

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9419279

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9419279

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-COOPE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	11	Geochem ring to approx 150 mesh
226	11	0-5 lb crush and split
285	11	ICP - HF digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	11	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	11	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	11	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	11	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	11	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	11	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	11	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	11	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	11	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	11	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	11	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	11	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	11	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	11	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	11	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	11	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	11	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	11	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	11	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	11	Pb ppm: 24 element, rock & core	AAS	2	10000
582	11	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	11	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	11	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	11	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	11	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	11	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

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Account : BM W

Project : FAIRCHILD-COOPE
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419279

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937713	205	226	< 5	1.8	0.30	40	< 0.5	< 2	0.03	< 0.5	6	195	5380	1.28	0.12	0.03
937714	205	226	< 5	< 0.2	0.54	110	< 0.5	< 2	6.08	< 0.5	15	43	27	23.3	0.03	2.42
937715	205	226	< 5	0.2	7.30	160	< 0.5	< 2	1.02	< 0.5	19	88	1440	10.10	1.08	4.07
937716	205	226	< 5	< 0.2	3.30	160	< 0.5	< 2	0.39	< 0.5	1	92	1925	1.04	1.56	0.35
937717	205	226	< 5	< 0.2	0.52	30	< 0.5	< 2	1.83	< 0.5	9	26	5	>25.0	0.01	0.49
937719	205	226	< 5	< 0.2	0.41	10	< 0.5	< 2	19.20	< 0.5	< 1	9	9	1.89	0.02	12.25
937720	205	226	< 5	1.6	5.28	130	< 0.5	< 2	0.09	< 0.5	60	68	>10000	10.05	1.12	1.64
937721	205	226	< 5	0.8	3.69	270	< 0.5	< 2	0.17	< 0.5	99	46	>10000	13.05	0.53	1.61
937722	205	226	40	0.4	5.47	930	< 0.5	< 2	0.60	< 0.5	505	62	241	14.55	1.50	2.38
937723	205	226	5	< 0.2	6.27	300	< 0.5	< 2	0.22	< 0.5	298	63	19	14.50	1.58	3.14
937724	205	226	15	< 0.2	6.04	160	< 0.5	< 2	0.51	< 0.5	355	61	296	11.20	1.72	3.31

CERTIFICATION: Ian Bichler

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British Columbia, Canada V7J 2C1
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Project : FAIRCHILD-COOPE
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CERTIFICATE OF ANALYSIS A9419279

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937713	205 226	155	6	0.02	5	120	2	5	< 0.01	9	< 10	8	< 10		
937714	205 226	5620	< 1	0.03	11	270	26	52	0.01	62	30	30	< 10		
937715	205 226	760	< 1	0.25	84	800	< 2	10	1.32	424	10	112	20		
937716	205 226	80	< 1	0.08	8	1350	< 2	21	0.08	28	< 10	6	< 10		
937717	205 226	2280	2	0.01	16	120	14	25	< 0.01	64	< 10	36	< 10		
937719	205 226	1505	< 1	0.07	1	< 10	10	69	< 0.01	30	< 10	14	< 10		
937720	205 226	660	< 1	0.14	43	50	< 2	6	0.09	35	< 10	6	30		
937721	205 226	2650	5	0.14	35	430	< 2	7	0.10	30	< 10	10	20		
937722	205 226	1115	2	0.20	63	540	< 2	39	0.17	46	10	10	20		
937723	205 226	635	2	0.26	34	600	< 2	37	0.21	56	10	14	30		
937724	205 226	1725	6	0.23	104	650	< 2	124	0.15	70	10	16	30		

CERTIFICATION: Ian Bichler

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CERTIFICATE OF ANALYSIS A9419279

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937713	205 226	< 5	1.8	0.30	40	< 0.5	< 2	0.03	< 0.5	6	195	5380	1.28	0.12	0.03
937714	205 226	< 5	< 0.2	0.54	110	< 0.5	< 2	6.08	< 0.5	15	43	27	23.3	0.03	2.42
937715	205 226	< 5	0.2	7.30	160	< 0.5	< 2	1.02	< 0.5	19	88	1440	10.10	1.08	4.07
937716	205 226	< 5	< 0.2	3.30	160	< 0.5	< 2	0.39	< 0.5	1	92	1925	1.04	1.56	0.35
937717	205 226	< 5	< 0.2	0.52	30	< 0.5	< 2	1.83	< 0.5	9	26	5	>25.0	0.01	0.49
937719	205 226	< 5	< 0.2	0.41	10	< 0.5	< 2	19.20	< 0.5	< 1	9	9	1.89	0.02	12.25
937720	205 226	< 5	1.6	5.28	130	< 0.5	< 2	0.09	< 0.5	60	68	>10000	10.05	1.12	1.64
937721	205 226	< 5	0.8	3.69	270	< 0.5	< 2	0.17	< 0.5	99	46	>10000	13.05	0.53	1.61
937722	205 226	40	0.4	5.47	930	< 0.5	< 2	0.60	< 0.5	505	62	241	14.55	1.50	2.38
937723	205 226	5	< 0.2	6.27	300	< 0.5	< 2	0.22	< 0.5	298	63	19	14.50	1.58	3.14
937724	205 226	15	< 0.2	6.04	160	< 0.5	< 2	0.51	< 0.5	355	61	296	11.20	1.72	3.31

CERTIFICATION: Jan Buchler

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Project : FAIRCHILD-COOPE
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419279

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP
937713	205 226	155	6	0.02	5	120	2	5	< 0.01	9	< 10	8	< 10
937714	205 226	5620	< 1	0.03	11	270	26	52	0.01	62	30	30	< 10
937715	205 226	760	< 1	0.25	84	800	< 2	10	1.32	424	10	112	20
937716	205 226	80	< 1	0.08	8	1350	< 2	21	0.08	28	< 10	6	< 10
937717	205 226	2280	2	0.01	16	120	14	25	< 0.01	64	< 10	36	< 10
937719	205 226	1505	< 1	0.07	1	< 10	10	69	< 0.01	30	< 10	14	< 10
937720	205 226	660	< 1	0.14	43	50	< 2	6	0.09	35	< 10	6	30
937721	205 226	2650	5	0.14	35	430	< 2	7	0.10	30	< 10	10	20
937722	205 226	1115	2	0.20	63	540	< 2	39	0.17	46	10	10	20
937723	205 226	635	2	0.26	34	600	< 2	37	0.21	56	10	14	30
937724	205 226	1725	6	0.23	104	650	< 2	124	0.15	70	10	16	30

CERTIFICATION: Stan Richlen

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A9419278

Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE A9419278

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-PIKA
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-JUL-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	6	Dry, sieve to -80 mesh
285	6	ICP - HF digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	6	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	6	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	6	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	6	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	6	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	6	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	6	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	6	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	6	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	6	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	6	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	6	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	6	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	6	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	6	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	6	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	6	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	6	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	6	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	6	Pb ppm: 24 element, rock & core	AAS	2	10000
582	6	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	6	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	6	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	6	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	6	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	6	La ppm: 20 element, rock ID	ICP-AES	10	10000

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Account : BM W

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419278

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
AM94020	201 285	5	0.4	7.22	6320	1.5	< 2	0.47	< 0.5	25	67	226	5.82	3.44	0.76
AM94021	201 285	10	< 0.2	7.55	3880	1.5	< 2	0.66	< 0.5	27	67	153	5.80	3.42	1.37
AM94022	201 285	< 5	< 0.2	2.41	340	< 0.5	< 2	14.95	0.5	< 1	23	24	1.66	1.13	9.64
AM94023	201 285	< 5	< 0.2	0.97	100	< 0.5	< 2	18.30	< 0.5	< 1	11	15	1.38	0.38	11.65
AM94024	201 285	< 5	< 0.2	1.75	430	< 0.5	< 2	16.50	< 0.5	< 1	20	22	1.85	0.71	10.70
AM94025	201 285	< 5	< 0.2	2.28	310	< 0.5	< 2	14.70	< 0.5	1	23	26	1.71	1.06	9.58

CERTIFICATION: Ian R Bucklen

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CERTIFICATE OF ANALYSIS A9419278

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP
AM94020	201	285	2030	1	0.30	29	690	10	179	0.20	84	< 10	34	30
AM94021	201	285	1430	2	0.44	28	760	6	101	0.33	111	< 10	44	40
AM94022	201	285	685	< 1	0.15	8	160	136	44	0.12	40	< 10	268	< 10
AM94023	201	285	710	< 1	0.18	6	170	96	43	0.05	26	< 10	278	< 10
AM94024	201	285	835	< 1	0.20	8	270	72	47	0.09	34	10	208	< 10
AM94025	201	285	710	< 1	0.15	7	170	100	44	0.12	41	< 10	240	< 10

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AM94020	201 285	5	0.4	7.22	6320	1.5	< 2	0.47	< 0.5	25	67	226	5.82	3.44	0.76
AM94021	201 285	10	< 0.2	7.55	3880	1.5	< 2	0.66	< 0.5	27	67	153	5.80	3.42	1.37
AM94022	201 285	< 5	< 0.2	2.41	340	< 0.5	< 2	14.95	0.5	< 1	23	24	1.66	1.13	9.64
AM94023	201 285	< 5	< 0.2	0.97	100	< 0.5	< 2	18.30	< 0.5	< 1	11	15	1.38	0.38	11.65
AM94024	201 285	< 5	< 0.2	1.75	430	< 0.5	< 2	16.50	< 0.5	< 1	20	22	1.85	0.71	10.70
AM94025	201 285	< 5	< 0.2	2.28	310	< 0.5	< 2	14.70	< 0.5	1	23	26	1.71	1.06	9.58

CERTIFICATION: Ian Bachlan

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CERTIFICATE OF ANALYSIS A9419278

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
AM94020	201	285	2030	1	0.30	29	690	10	179	0.20	84	< 10	34	30		
AM94021	201	285	1430	2	0.44	28	760	6	101	0.33	111	< 10	44	40		
AM94022	201	285	685	< 1	0.15	8	160	136	44	0.12	40	< 10	268	< 10		
AM94023	201	285	710	< 1	0.18	6	170	96	43	0.05	26	< 10	278	< 10		
AM94024	201	285	835	< 1	0.20	8	270	72	47	0.09	34	10	208	< 10		
AM94025	201	285	710	< 1	0.15	7	170	100	44	0.12	41	< 10	240	< 10		

CERTIFICATION: Peter Rudolph

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937701	205 226	30	0.2	7.40	1230	< 0.5	< 2	1.08	< 0.5	82	57	1640	7.78	6.25	3.61
937711	205 226	10	0.8	1.23	220	< 0.5	< 2	5.37	< 0.5	60	131	7270	3.14	0.63	2.29
937712	205 226	15	< 0.2	6.48	590	< 0.5	< 2	1.99	< 0.5	112	49	1680	10.10	3.08	4.29
937725	205 226	15	1.4	4.15	3330	< 0.5	< 2	3.52	< 0.5	28	76	598	9.17	1.94	4.47
937726	205 226	20	0.4	6.30	430	< 0.5	< 2	1.56	< 0.5	94	39	4620	8.72	3.03	4.73
937727	205 226	< 5	< 0.2	7.25	980	< 0.5	< 2	3.00	< 0.5	10	79	29	4.69	6.48	1.54
937728	205 226	10	< 0.2	7.36	910	< 0.5	< 2	0.33	< 0.5	51	47	247	9.99	2.28	4.91
937729	205 226	135	0.6	7.93	640	< 0.5	< 2	4.12	0.5	65	99	1715	8.27	1.84	4.39
937730	205 226	5	0.4	7.51	920	< 0.5	< 2	3.01	< 0.5	35	84	196	8.65	2.37	3.94
937813	205 226	5	8.4	2.24	120	< 0.5	< 2	3.94	0.5	23	125	>10000	5.16	0.85	1.55
937814	205 226	< 5	7.0	4.01	400	< 0.5	< 2	4.97	< 0.5	99	93	>10000	4.93	1.51	2.32
937815	205 226	< 5	< 0.2	0.33	780	< 0.5	< 2	2.14	< 0.5	9	28	1410	1.12	0.15	0.66
937816	205 226	< 5	8.0	3.02	190	< 0.5	< 2	5.16	< 0.5	18	150	>10000	5.59	2.58	2.50
937817	205 226	< 5	20.0	0.67	60	< 0.5	< 2	8.19	< 0.5	22	62	>10000	10.80	0.19	3.81
937818	205 226	25	0.2	6.01	1250	< 0.5	< 2	1.79	< 0.5	13	87	252	10.25	4.72	1.47
937819	205 226	< 5	< 0.2	4.89	270	1.0	< 2	0.11	< 0.5	383	136	142	2.40	1.74	0.63
937820	205 226	< 5	0.4	7.80	340	2.0	< 2	0.31	< 0.5	459	141	358	1.99	3.09	0.64
937821	205 226	< 5	0.4	0.92	160	< 0.5	< 2	2.83	< 0.5	64	145	4370	8.36	0.42	0.32

CERTIFICATION: Stan Buchlen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Project : FAIRCHILD-PIKA
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1-B
Total Pages : 1
Certificate Date: 09-JUL-94
Invoice No. : I9419277
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9419277

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937701	205	226	515	14	0.29	58	760	< 2	31	0.74	273	< 10	38	30		
937711	205	226	4440	7	0.02	16	760	< 2	53	0.02	26	< 10	120	< 10		
937712	205	226	1880	1	0.24	66	420	< 2	13	0.44	301	< 10	54	40		
937725	205	226	1585	< 1	0.15	35	380	< 2	63	0.63	230	< 10	30	< 10		
937726	205	226	1330	1	0.44	37	520	< 2	16	0.79	315	< 10	60	10		
937727	205	226	1200	< 1	0.18	19	840	< 2	38	0.15	80	< 10	18	60		
937728	205	226	855	< 1	1.15	50	500	< 2	29	0.87	412	< 10	236	10		
937729	205	226	1530	< 1	2.20	57	400	176	202	0.69	334	< 10	922	< 10		
937730	205	226	1500	< 1	2.38	48	500	48	70	0.82	312	< 10	456	< 10		
937813	205	226	3160	13	0.08	26	200	< 2	437	0.04	23	< 10	516	< 10		
937814	205	226	2250	1	0.17	49	300	6	37	0.11	36	< 10	50	< 10		
937815	205	226	1390	< 1	0.02	4	60	< 2	902	< 0.01	6	< 10	12	< 10		
937816	205	226	2490	1	0.10	26	840	8	25	0.07	31	< 10	292	< 10		
937817	205	226	5060	1	0.06	28	850	2	38	< 0.01	15	< 10	116	< 10		
937818	205	226	1160	8	0.17	29	1050	< 2	26	0.27	215	< 10	12	60		
937819	205	226	150	1	0.18	66	140	< 2	21	0.17	68	< 10	22	20		
937820	205	226	270	1	0.35	58	250	< 2	48	0.26	91	< 10	16	40		
937821	205	226	1240	3	0.01	14	9640	< 2	27	0.02	22	< 10	4	< 10		

CERTIFICATION: Ian Bichler

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED *
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711 - 675 W. HASTINGS ST.
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V6B 1N4

Page Number : 1-B
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Certificate Date: 14-JUL-94
Invoice No. : 19419974
P.O. Number :
Account : BM W

Project : FAIRCHD.-REGIONAL-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419974

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937838	205 294	3110	6	0.03	39	270	2	39	0.02	28	10	22	< 10		
937839	205 294	765	3	0.07	52	530	< 2	7	0.03	28	< 10	84	< 10		
937840	205 294	360	2	0.05	13	200	16	4	0.04	14	< 10	10	< 10		
937841	205 294	225	< 1	0.07	6	80	8	9	0.03	8	< 10	24	10		
937842	205 294	370	< 1	0.07	4	120	6	11	0.07	15	< 10	24	10		
937843	205 294	980	< 1	0.04	10	130	26	18	0.05	17	< 10	50	< 10		
937844	205 294	890	< 1	0.06	7	100	16	20	0.08	15	< 10	56	10		

CERTIFICATION: Jhai D'Ma

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Analytical Chemists * Geochemists * Registered Assayers
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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
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Page Number : 1-A
Total Pages : 1
Certificate Date: 14-JUL-94
Invoice No. : I9419974
P.O. Number :
Account : BM W

Project : FAIRCHD.-REGIONAL-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419974

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
937838	205 294	< 5	2.2	0.91	150	< 0.5	< 2	5.15	< 0.5	50	162	5820	3.43	0.39	2.34
937839	205 294	< 5	< 0.2	2.73	20	< 0.5	< 2	0.73	< 0.5	21	218	785	4.19	0.21	2.19
937840	205 294	10	1.8	1.96	50	< 0.5	6	0.46	< 0.5	16	140	86	2.96	0.79	0.70
937841	205 294	< 5	0.4	1.60	140	< 0.5	< 2	0.03	< 0.5	16	138	132	2.52	1.07	0.12
937842	205 294	< 5	0.8	2.72	260	< 0.5	< 2	2.04	< 0.5	3	190	4690	1.75	1.32	1.77
937843	205 294	< 5	1.8	2.51	800	< 0.5	< 2	2.97	< 0.5	8	145	2730	2.39	1.44	1.75
937844	205 294	< 5	0.4	2.40	1200	0.5	< 2	1.76	< 0.5	7	226	151	1.22	1.68	0.99

CERTIFICATION: Thai D Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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Project : FAIRCHD.-REGIONAL-XP
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9419974

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
937838	205	294	3110	6	0.03	39	270	2	39	0.02	28	10	22	< 10		
937839	205	294	765	3	0.07	52	530	< 2	7	0.03	28	< 10	84	< 10		
937840	205	294	360	2	0.05	13	200	16	4	0.04	14	< 10	10	< 10		
937841	205	294	225	< 1	0.07	6	80	8	9	0.03	8	< 10	24	10		
937842	205	294	370	< 1	0.07	4	120	6	11	0.07	15	< 10	24	10		
937843	205	294	980	< 1	0.04	10	130	26	18	0.05	17	< 10	50	< 10		
937844	205	294	890	< 1	0.06	7	100	16	20	0.08	15	< 10	56	10		

CERTIFICATION: Ithai D'Mar

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: PAMICON DEVELOPMENTS LIMITED
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V6B 1N4

Page Number :1-A
Total Pages :1
Certificate Date:29-JUN-94
Invoice No :I-9418756
P.O. Number :
Account :

Project : PIKA/SLAB
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9418756

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
RV94-001	201 285	< 5	< 0.2	7.05	8420	1.5	6	0.48	< 0.5	27	60	173	6.14	3.50	0.76
RV94-002	201 285	< 5	< 0.2	7.99	5290	1.5	8	0.58	< 0.5	29	77	147	6.26	3.87	1.43
RV94-003	201 285	< 5	< 0.2	2.66	610	0.5	< 2	15.30	0.5	9	24	26	1.77	1.24	9.36
RV94-004	201 285	< 5	< 0.2	0.94	90	< 0.5	< 2	19.35	0.5	4	4	9	1.29	0.37	11.60

CERTIFICATION:

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British Columbia, Canada V7J 2C1
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V6B 1N4

Page Number :1-B
Total Pages :1
Certificate Date:29-JUN-94
Invoice No. :I-9418756
P.O. Number :
Account :

Project : PIKA/SLAB
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9418756

SAMPLE DESCRIPTION	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
RV94-001	201	285	2210	2	0.21	27	670	12	239	0.23	85	< 10	28	40	
RV94-002	201	285	2840	1	0.28	41	900	6	113	0.34	113	< 10	40	50	
RV94-003	201	285	755	< 1	0.13	7	160	120	49	0.13	43	< 10	274	< 10	
RV94-004	201	285	740	< 1	0.14	4	180	76	43	0.04	26	< 10	254	< 10	

CERTIFICATION

APPENDIX G

GEOLOGISTS' CERTIFICATE

GEOLOGISTS' CERTIFICATE

I, Michael A. Stammers, of 941 Kennedy Avenue, North Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 711, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I have practised in my profession with various mining companies in Yukon, British Columbia, Nova Scotia, Oregon, Venezuela and the Northwest Territories for 21 years.

3. THAT I am a graduate of McMaster University (1977) and hold a combined Honours B.A. in Geology and Geography.

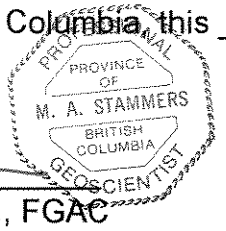
4. THAT I am duly registered as a Professional Geoscientist in the Province of British Columbia (#18883).

5. THAT I am a Fellow of the Geological Association of Canada.

6. THAT this report is based in part on property work I personally completed and/or supervised between June 1 and July 20, 1994 combined with five years experience nte Wernecke terrain.

7. THAT I have no interest in the property described herein, nor in any securities of any company associated with the property, nor do I expect to receive any such interest.

DATED at Vancouver, British Columbia, this 25 day of January, 1995.



Michael A. Stammers, P.Geo., FGAC