MAP NO: 106D/16

ASSESSMENT REPORT: X

DOCUMENT NO: 093267

PROSPECTUS:

MINING DISTRICT: Mayo

CONFIDENTIAL: X

TYPE OF WORK: Geological, Geochemical

OPEN FILE:

REPORT FILED UNDER: Newmont Exploration

DATE PERFORMED: July-August 1994

DATE FILED: February 1, 1995

LATITUDE: 64 55

AREA: Fairchild Lake

LONGITUDE: 134 16

VALUE: $16,800

CLAIM NAME AND #: Ursus 1-18, TVA 1-22

WORK DONE BY: Pamicon Developments

WORK DONE FOR: Newmont Exploration

DATE TO GOOD STANDING	

REMARKS: A regional northwest-southeast trending tanspressional thrust fault/shear zone hosts Wernecke breccia and diorite. The breccia/diorite horizons have been subsequently affected by extensional fault movement. A coincident gold-copper-cobalt anomaly in soil 1700 meters long by 200 meters wide and open to the southwest was defined on the property. The highest value obtained from rock sampling on the property was a chip sample over 40 cm. The sample of K-spar-specular hematite altered shear zone in calcareous dark green phyllite assayed 610 ppb Au, 1.4 ppm Ag, 28 ppm Bi, 118 ppm Co, 2050 ppm Cu, 174 ppm Mo and 460 ppm La. Other types of mineralization on the property include hornfelsed dolomitic phyllite with K-spar alteration and magnetite and chalcopyrite, a bedding parallel shear-vein zone in calcareous phyllite with 2% cpy, 1% py, 1% specular hematite and 5% magnetite, sheared white chert with azurite and malachite and cut by quartz veins, and pyritic black shale in contact with heterolithic Wernecke breccia.

This report has been examined by the Geological Evaluation Unit under Section 93 (1) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 16,800.

M. Burke

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

RECEIVED
FEB-1 1995
MINING RECORDER
MAYO, Y.T.
I.A. & N.D.

1994 GEOLOGICAL AND GEOCHEMICAL

ASSESSMENT REPORT
ON THE
URSUS 1-18,TVA 1-22 CLAIMS

093267

Located in the Fairchild Lake Area
Mayo Mining District
Yukon Territory, Canada
NTS 106D/16
64° 55' North Latitude
134° 16' West Longitude

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
FEB 08 1995
WHITEHORSE
YUKON TERRITORY

-prepared for-

NEWMONT EXPLORATION LIMITED
Denver, Colorado

-prepared by-
PAMICON DEVELOPMENTS LIMITED

Michael A. Stammers, P.Geo. FGAC
Harvey M. Klatt, MSc. P.Geo.

DATES OF WORK PERFORMED: July 12, 13, August 9-17, 19, 20 and 23, 1994
DATE OF REPORT: January 1995

1994 GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT ON THE URSUS 1-18, TVA 1-22 CLAIMS

TABLE OF CONTENTS

			Page
1.0		CONCLUSIONS AND RECOMMENDATIONS	1
2.0		INTRODUCTION	1
3.0		LIST OF CLAIMS	2
4.0		LOCATION, ACCESS AND PHYSIOGRAPHY	3
5.0		PREVIOUS WORK	
	5.1	Area Exploration History	4
	5.2	Property Exploration History	5
	5.3	1992 Exploration Program	5
	5.4	1993 Exploration Program	5
6.0		1994 EXPLORATION PROGRAM	5
7.0		REGIONAL GEOLOGY	6
8.0		PROPERTY GEOLOGY	6
	8.1	Lithologies	7
	8.2	Structure	10
	8.3	Alteration	11
9.0		ROCK GEOCHEMISTRY AND MINERALIZATION	
	9.1	Introduction	12
	9.2	Procedures and Methodologies	12
	9.3	Discussion	13
10.0		SOIL GEOCHEMISTRY	
	10.1	Introduction	15
	10.2	Procedures and Methodologies	15
	10.3	Soil Sample Geochemistry	16
11.0		GEOPHYSICS	17
12.0		DISCUSSION	18

APPENDICES

Appendix A	Bibliography
Appendix B	List of Personnel
Appendix C	Statement of Expenditures
Appendix D	Rock Sample Descriptions
Appendix E	Stream Sediment Sampling Procedures
Appendix F	Analytical Procedures and Certificates of Analyses
Appendix G	Geologist's Certificates

LIST OF TABLES

		Page
Table 3.0.1	Claim Data	3
Table 10.1.1	Regional Soil Geochemistry Thresholds	15

LIST OF FIGURES

		Following Page
Figure 1	Location Map	1
Figure 2	Claim Map	3
Figure 3	Regional Geology	6

LIST OF PLATES

Plate 1	Ursus/TVA Claim Group, Factual Geology Map	pocket
Plate 2	Ursus/TVA Claim Group, Structure and Alteration Map	pocket
Plate 3	Ursus/TVA Claim Group, Interpretive Geology Map	pocket
Plate 4	Ursus/TVA Claim Group, Cu in Rocks	pocket
Plate 5	Ursus/TVA Claim Group, Au in Rocks	pocket
Plate 6	Ursus/TVA Claim Group, Co in Rocks	pocket
Plate 7	Ursus/TVA Claim Group, Cu in Soils	pocket
Plate 8	Ursus/TVA Claim Group, Au in Soils	pocket
Plate 9	Ursus/TVA Claim Group, Co in Soils	pocket

1.0 CONCLUSIONS AND RECOMMENDATIONS

The TVA portion of the Ursus/TVA group was explored with geological mapping, soil geochemical survey, and rock chip sampling in 1994. Encouraging results were received and further work including claim staking, detailed geological and geochemical surveys, followed by diamond drilling is strongly recommended.

The claim group is underlain by a variety of sedimentary and intrusive rock types. These are green-grey calcareous phyllite of the Fairchild Lake Group, black phyllite and quartzite of the Quartet Group and dolomite and chert of the Gillespie Lake Group, diorite, and Wernecke breccia.

A regional northwest-southeast trending transpressional thrust fault/shear zone hosts Wernecke breccia and diorite on the Ursus/TVA and other nearby claim blocks. The breccia/diorite horizons have been subsequently affected by extensional fault movement.

Alteration is typically strongest in the diorite and heterolithic breccia lithologies. Mineralogical zoning of the main alteration minerals; K-spar, albite, Fe-carbonate, dolomite, specular hematite, chlorite and quartz, can be related to the diorite and breccia intrusives, fault zones, and the host rock lithologies.

The soil survey revealed a coincident gold-copper-cobalt anomaly about 1700 metres long and 200 metres wide. The anomaly is open to the southwest.

The recognition of a large soil anomaly along with outcrop exposures of significant copper mineralization makes this property a high priority for further follow-up work. The first priority would be to stake additional ground to the west to cover the full extent of the geochemical anomaly. Staking should be tied into the Arctos claims to cover the breccia horizon between the Ursus and Arctos claims. Additional grid soil sampling and mapping should be carried out to the west to define the boundary of the geochemical anomaly. A contour soil sample survey along with prospecting should test the easterly extension of the Wernecke breccia horizon. Additional prospecting and mapping should be done where anomalous geochemical values were identified by the 1994 soil survey. A program of drilling is recommended to test the soil anomaly and associated mineralization.

2.0 INTRODUCTION

This assessment report describes work on the Ursus-TVA claim group (Ursus 1-18 and TVA 1-22) completed during the period June 1 to August 23, 1994.

The claim group is located in the Wernecke Mountains, approximately 166 kilometres north-northeast of Mayo in east central Yukon (Figure 1). Situated just south of the Bonnet Plume River valley, the property is accessible by air to the newly constructed 885 metre long Copper Point gravel

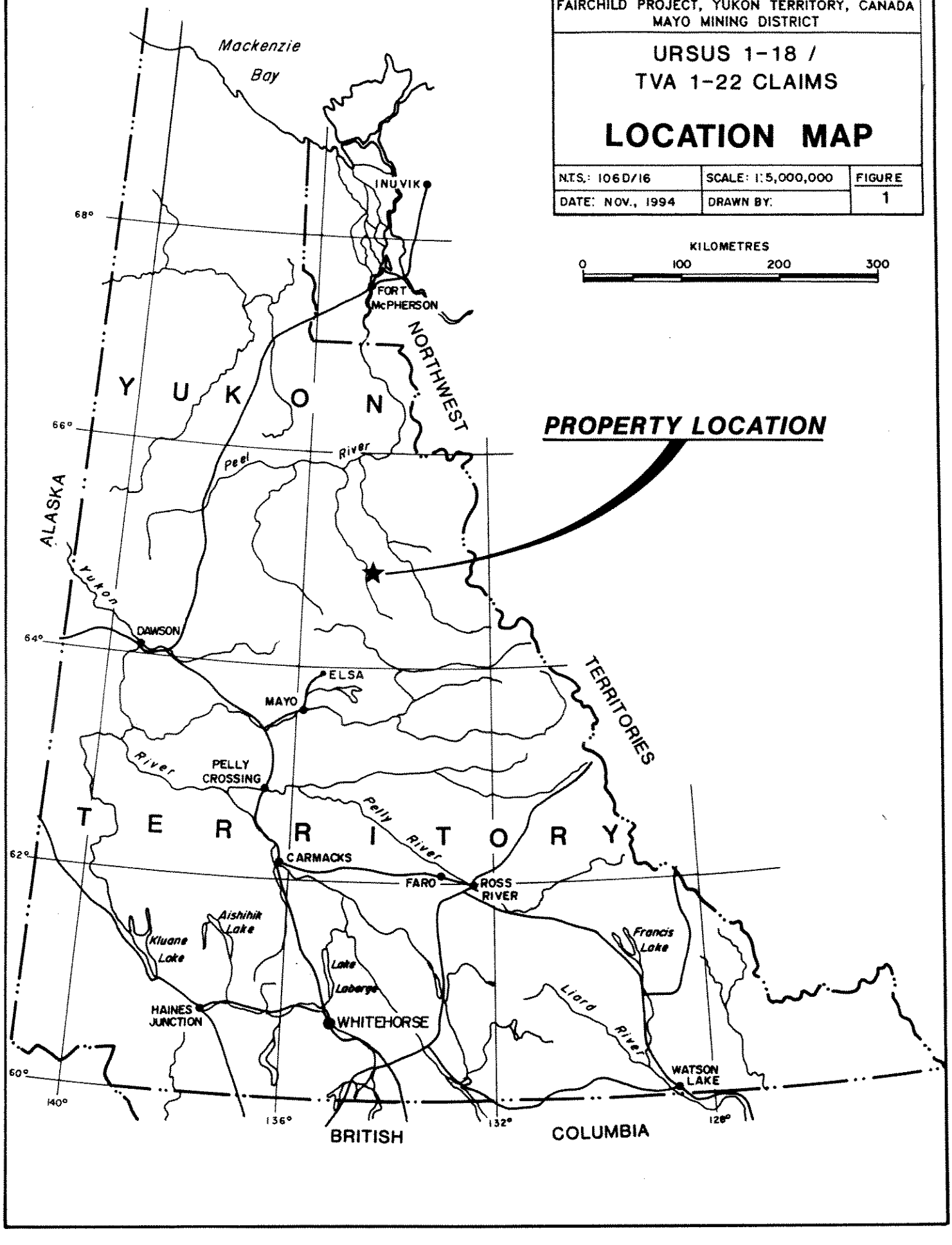
NEWMONT EXPLORATION LTD.
WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

URSUS 1-18 /
TVA 1-22 CLAIMS

LOCATION MAP

N.T.S.: 106D/16	SCALE: 1:5,000,000	FIGURE 1
DATE: NOV., 1994	DRAWN BY:	



airstrip or by a nearby winter cat road. 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.

The Wernecke Mountains were the focus of uranium exploration in the late 1970s and portions of the present Ursus and TVA claims were previously staked and worked by others including Pan Ocean Oil and the Wernecke Joint Venture. No significant uranium mineralization was located and the claims were allowed to lapse.

Recent publication of data on the giant Olympic Dam copper-gold-silver-uranium deposit in Australia lead to the application of 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 original Ursus 1-12 claims were acquired through staking in July 1992. New claims have been subsequently added in stages that include the the Ursus 13-14 in September 1992, the TVA 1-4 in October 1992, the TVA 5-14 in August 1993 and the Ursus 15-18 and TVA 15-22 in October 1993.

The initial work programs in 1992 and 1993 by Westmin Resources included lithogeochemical sampling, prospecting and geological mapping. Several minor chalcopyrite showings were identified; some having associated gold and cobalt values. In September 1993, Newmont Exploration Limited conducted airborne magnetic and radiometric surveys over the claims area utilizing proprietary geophysical equipment.

Work in 1994 consisted of grid establishment, geological mapping, prospecting and grid geochemical soil sampling. Encouraging results from this program warrant further work in 1995. This 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.

3.0 LIST OF CLAIMS

The Ursus-TVA claim group comprises 40 contiguous quartz mineral claims in two properties (Ursus 1-18 and TVA 1-22), 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
Claim Data

Claim Name	Claim Numbers	Record Numbers	Record Date	Expiry Date	NTS	No. of Claims
Ursus	1 - 7	YB28528-534	07/06/92	12/31/02*	106D16	18
	8 - 12	YB28535-539	07/06/92	12/31/01*	106D16	
	13 - 14	YB28968-969	09/14/92	12/31/02*	106D16	
	15 - 18	YB42305-308	10/12/93	12/31/98*	106D16	
TVA	1 - 4	YB29130-133	10/19/92	12/31/01*	106D16	22
	5 - 14	YB22511-520	08/24/93	12/31/98*	106D16	
	15 - 22	YB42309-316	10/12/93	12/31/98*	106D16	

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

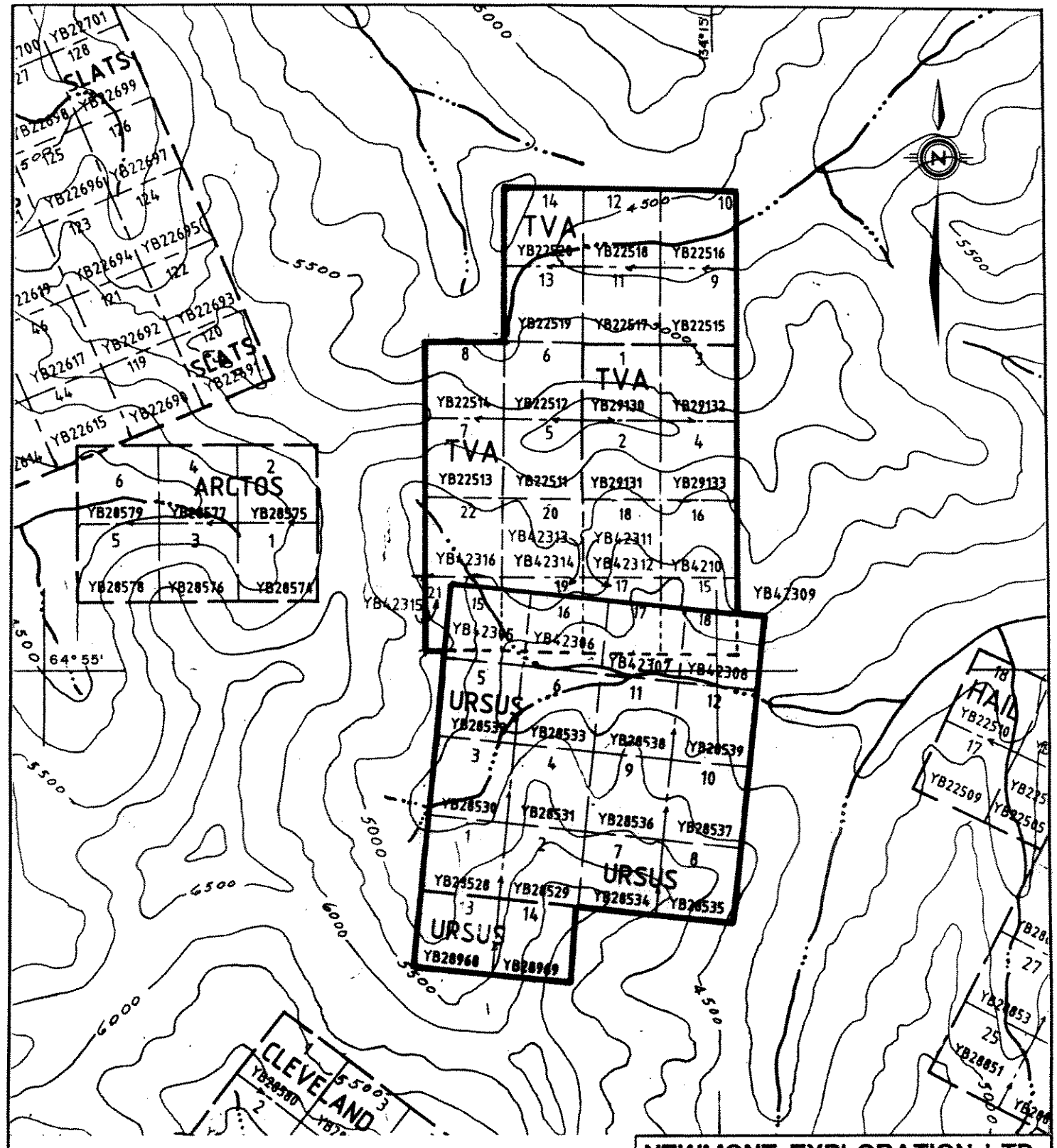
4.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The property is located in the Wernecke Mountains of east central Yukon, approximately 166 kilometres north-northeast of Mayo (Figure 1). The claim group is located 19 kilometres west-southwest of Fairchild Lake and 22 kilometres south-southeast of Quartet Lakes. The property is situated at the headwaters of Slats Creek. Coordinates for the centre of the property are 64° 55' north latitude and 134° 16' west longitude.

The project area is accessible from Mayo by float plane to Fairchild 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 12 kilometres to the southwest to the property.

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



NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

URSUS 1-18 /
TVA 1-22 CLAIMS

CLAIM MAP

N.T.S.: 106D/16	SCALE: 1" = 1/2 mile	FIGURE 2
DATE: NOV., 1994	DRAWN BY:	

Copper Point. Elevations on the property range from 1158 to 1875 metres above sea level and relief varies from moderate to locally steep.

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 and Slats occurrences, located in the Bonnet Plume River valley 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 106D/16-052, now covered by both the Ursus and TVA claims, was first staked in 1976 and explored from 1977 to 1980 by Mountaineer Mines/Pan Ocean Oil with geological, geochemical and geophysical surveys and hand trenching. Uranium and copper mineralization with associated gold and cobalt values was located. Pan Ocean devolved itself from the mineral business in 1981 and did not complete any further work.

The Gnuckle occurrence (Minfile number 106D/16-062), staked now as the northern TVA claims was first identified for its copper mineralization in 1968 by Cyprus Exploration Ltd, but was not acquired until 1976 when Archer-Cathro claimed the property for the Wernecke Joint Venture. The property was explored for its uranium potential with mapping, soil sampling and radiometric surveys later that year. Brannerite occurs in quartz veins cutting strongly silicified Quartet Group sediments in the vicinity of a breccia body.

5.3 1992 Exploration Program

During August and September 1992, Westmin Resources Limited carried out a preliminary exploration program on the Ursus claims consisting of lithogeochemical sampling, limited geological mapping and prospecting. A total of 17 grab samples and 46 lithogeochemical samples was collected (Caulfield, 1992).

5.4 1993 Exploration Program

Work completed by Westmin in June 1993 on the TVA and Ursus claims included 1:10,000 geological mapping, lithogeochemical surveys and prospecting. On TVA group, 19 lithogeochemical, 2 chip and 12 grab samples were collected. Three grab samples were taken from the Ursus claims (Stammers, February 1994).

In September 1993, an airborne geophysical survey was completed over the present claims area by Newmont Exploration Limited using proprietary survey equipment. Data collected included magnetometer and radiometric (U, K and Th) data at 1000 metre line spacings (Wiles, October 1993).

6.0 1994 EXPLORATION PROGRAM

On July 12, 13, and August 9-17, 19, 20, and 23, 1994 preliminary field work totalling thirty-four mandays was completed on the TVA 1-6 and 9-20 claims and the adjoining Ursus 16-18 claims. Work included grid establishment, geological mapping, and grid soil sampling.

Grid establishment included the emplacement of a 2800 metre long, slope corrected, hard chained and picketed baseline and 19,300 metres of belt-chained, flagged and compassed crosslines. Geological mapping was initiated on the grid at 1:2500 scale. Rock sampling included collecting 5 grab and 30 chip samples. On the TVA grid, 391 soil samples were collected every 50 metres on lines, in most cases, 200 metres apart. Samples were generally taken from either "B" or "C" horizon levels at depths ranging from 5 to30 centimetres. The samplers recorded detailed notes regarding material collected and local physiographic conditions. All sample sites were marked in the field by orange and blue flagging tape, an inscribed alluminum tag or at baseline stations by a labelled wooden picket. 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. Analytical 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), Thorkelson and Wallace (1993) and by Pamicon Developments Limited (Unpublished 1977). References to earlier work are cited by Delaney. Work by Thorkelson and Wallace is based on 1:50,000 mapping of NTS sheet 106D/16 published jointly by the Yukon and Canadian governments.

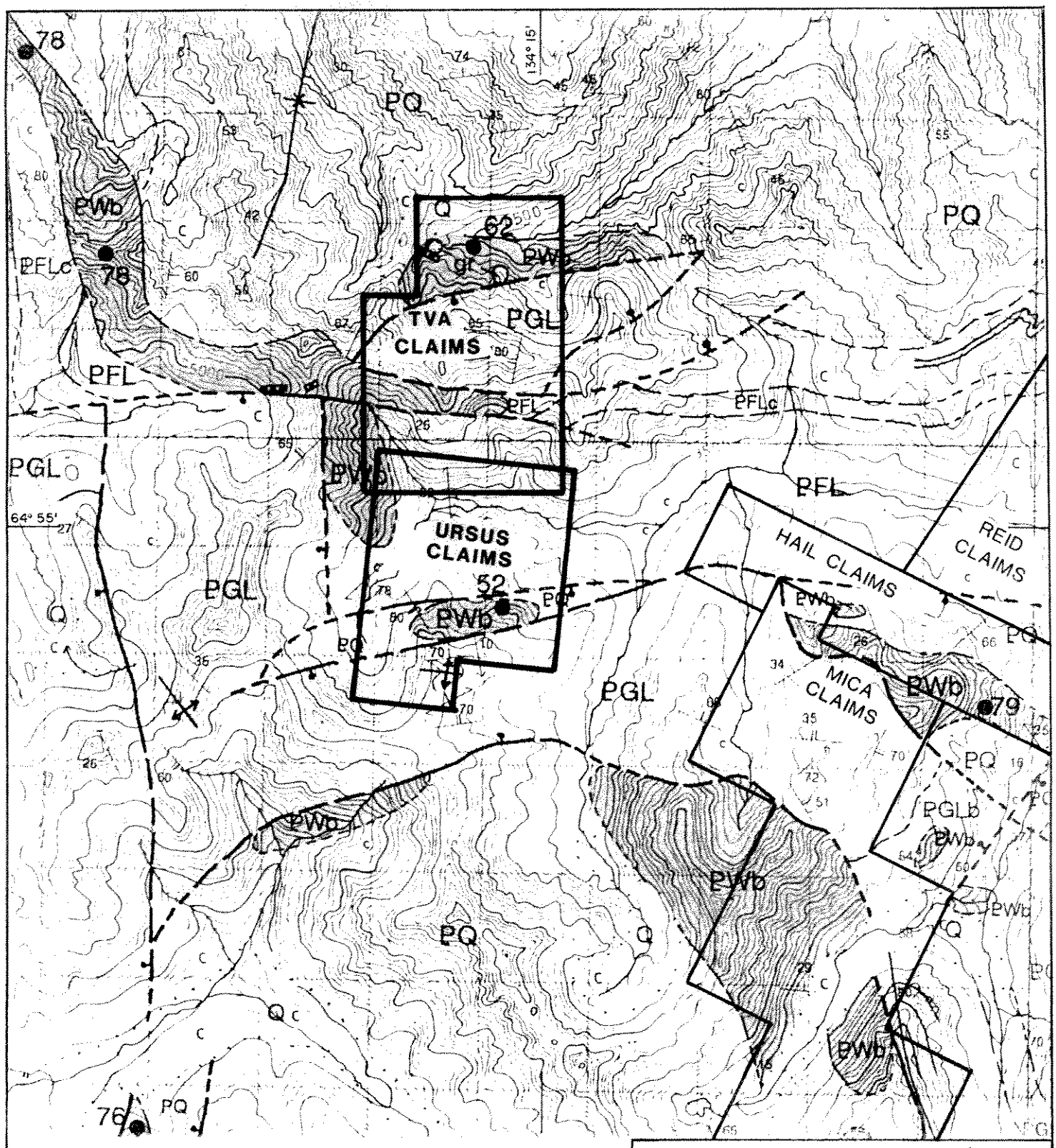
The Wernecke Mountains are cored by at least 14,000 metres of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by hematite breccias and cut by mafic sills and dykes. The entire succession has been named the Wernecke Supergroup and has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. To the east and south, the Hadrynian Pinguicula Group unconformably 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. This map is a copy of a portion of Thorkelson and Wallace's and 1994 publication.

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 Ursus/TVA claims group is mapped by Thorkelson and Wallace (1993) as covering rocks of the Fairchild Lake, Quartet, and Gillespie Lake Group sedimentary strata as well as hosting granite, diorite and Wernecke breccia. Large east-west trending faults that splay to the east, bound wedges of Wernecke breccia. Granite and diorite are mapped as small intrusions along the edge of



Geology by:
Thorkelson and Wallace (1993).

Legend on following page.

KILOMETRES
0 1 2

NEWMONT EXPLORATION LTD.
WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

URSUS 1 - 18 /
TVA 1 - 22 CLAIMS

REGIONAL GEOLOGY

N.T.S.: 106D/16	SCALE: 1:50,000	FIGURE
DATE: NOV., 1994	DRAWN BY:	3

LEGEND

(to follow Figure 3)

STRATIFIED ROCKS

Quaternary

Q Alluvium, colluvium, and glacial deposits

Cambrian to Devonian

Cdc Resistant, crudely stratified, light grey weathering dolostone

Middle to Late Proterozoic

Pinguicula Group (?)

PPv Northeast of Bonnet Plume River, grey to maroon, dense to amygdaloidal lava flows

PPs Southwest of Bear River, maroon to green weathering siltstone, maroon weathering quartzite-clast conglomerate, and buff weathering carbonate

Middle Proterozoic

Gillespie Lake Group

PGL Undivided Gillespie Lake Group: orange, brown and grey weathering dolostone and silty dolostone, locally stromatolitic, locally hosting chert nodules and sparry karst infillings, interbedded with subordinate black weathering siltstone and shale, green, grey and brown weathering laminated mudstone, and grey to white weathering quartzose sandstone. Locally developed slaty cleavage in shaley beds

PGLbm Southwest of Bear River, brown to black weathering laminated mudstone and shale

PGLgm Southwest of Bear River, green, grey and brown weathering laminated mudstone

PGLs Black weathering siltstone and shale

PGLb Basal Gillespie Lake Group: cross laminated, orange weathering silty to sandy dolostone interbedded with black weathering shale and grey to white weathering, quartzose, fine grained sandstone

Quartet Group

PQ Black weathering shale, finely laminated dark grey weathering siltstone, and planar to crosslaminated light grey weathering siltstone and fine grained sandstone. In upper part of succession, siltstone and fine grained sandstone interbedded with subordinate orange weathering dolostone grades upward into basal Gillespie Lake Group. Slaty cleavage and microfolds locally present in shaly units

Fairchild Lake Group

PFL Undivided Fairchild Lake Group: green to grey weathering siltstone, fine grained sandstone, and laminated limy siltstone. In upper part of succession, interbeds of grey, brown and white weathering carbonate are interbedded with dark grey weathering shale and siltstone, below conformable contact with Quartet Group. Silty and shaly units locally cleaved and kink banded

PFLc Grey, brown and white weathering carbonate with minor interbeds of dark siltstone and shale

PFLs Black and dark grey weathering shale and siltstone with minor interbeds of carbonate

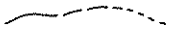
INTRUSIVE ROCKS

Middle Proterozoic to Mesozoic

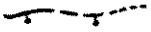
gr Fine to medium grained granite to granodiorite; local rhyolitic border phase

Fine to medium grained gabbro, diorite and basalt

SYMBOLS



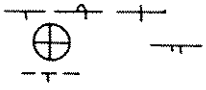
stratigraphic or intrusive contact
known, approximate, assumed



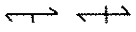
normal fault (pegs on hanging wall)
known, approximate, assumed



reverse fault (teeth on hanging wall)



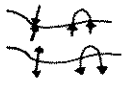
bedding
inclined, overturned, vertical
horizontal, facing unknown
estimate from airphoto or distant sighting



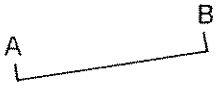
slaty cleavage
inclined, vertical



minor fold axis



fold
syncline: inclined; overturned
anticline: inclined; overturned



line of cross section

GEOLOGY

106D/16 After Derek J. Thorkelson and Carol A. Wallace, OPEN FILE 1993-2(G) Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada

Wernecke breccia in the northern part of the claim block.

Undivided Fairchild Lake Group (PF)is described as green to grey weathering siltstone, fine grained sandstone, and laminated limy siltstone. The upper part of the group is described as having grey, brown and white weathering carbonate interbedded with dark grey weathering shale and siltstone. Quartet Group (PQ) rocks are described as black weathering shale, finely laminated dark grey weathering siltstone, and planer to cross laminated light grey weathering siltstone and fine grained sandstone. In the upper part of succession, siltstone and fine grained sandstone interbedded with subordinate orange weathering dolostone grades upward into basal Gillespie Lake Group (PG). The Gillespie Lake Group is described as orange, brown and grey weathering dolostone and silty dolostone, locally stromatolitic, locally hosting chert nodules and sparry karst infillings, interbedded with subordinate black weathering siltstone and shale, green, grey and brown weathering laminated mudstone, and grey to white weathering, quartzose sandstone.

Wernecke breccia is described as mottled red, green and grey weathering hematitic and dolomitic siltstone and/or dolostone-clast breccia, and related metasomatized country rock. The granite is fine to medium grained granite to granodiorite; locally with a rhyolitic border phase. The diorite is fine to medium grained ranging from gabbro to basalt.

The Ursus/TVA claim block is located along a regional northwest-southeast trending fault/shear zone that is host to Wernecke breccia zones on the Slats, Cleveland, Ursus/TVA, Hail, Mica and Reid claim blocks. The regional fault/shear zone is interpreted to be an early regional transpressional thrust fault that was intruded by volatile rich diorite dikes and Wernecke breccia. The regional structure has been broken up by subsequent extensional block faulting along Ursus and Mica Creeks.

Mapping on the northern half of the Ursus/TVA claim block, generally agrees with the mapping done by Thorkelson and Wallace but with some differences. The 1994 mapping was done along most ridges, some of the soil sample survey lines and in other scattered areas of outcrop at 1:2500 scale. The soil sample survey grid was used to help locate rock samples on the claim block. Outcrop is limited to ridges, gullies, and areas of scattered outcrop among rather extensive talus cover that mantle much of the mountain slopes. Outcrop on the TVA claim area is estimated to be about 5 percent. Plate 1 shows the distribution of outcrop and lithologies mapped on the Ursus/TVA claim group while Plate 2 shows structure and alteration mapped on the claim block. Plate 3 shows the interpreted distribution of the various formational units on the Ursus/TVA claim group.

8.1 Lithologies

The area mapped as granite by Thorkelson and Wallace (1993), located in the northwest part of the TVA claim block, is interpreted to be intensely hydrothermally metasomatized rock of uncertain protolith but probably black shale like the enclosing lithologies. The hydrothermally metasomatized rock (**mts**) contains up to 35% pyrite as euhedral pyritohedrons set in a fine grained matrix of weakly chloritic clay altered, possibly albitic groundmass. The altered rock is visually quite similar to

leucocratic carbonate altered albitic homolithic breccia containing 1-3% pyrite located about 400 metres along strike to the south. The homolithic breccia is underlain by an albite altered diorite dike which has the same strike as the leucocratic homolithic breccia horizon and dips to the northwest. The close association between the strongly altered diorite and the pyritic albite-carbonate altered homolithic breccia indicates that the two were contemporaneous.

The hydrothermally altered rock mapped as a granite is interpreted to be an albite-pyrite-clay alteration zone replacing black shale. Hydrothermal fluids, in part derived from volatile rich diorite, probably leached pyrite from black shale and redeposited it in the alteration zone. Thrust fault movement and folding during diorite intrusion and breccia development probably enhanced permeability along the fault and the formation of the alteration zone.

The diorite (**di**) mapped on the TVA claims is highly variable in texture and shows a variety of alteration features. It hosts nearly all of the quartz±barite veins on the claims and is typically adjacent to K-spar and specular hematite altered heterolithic breccia bodies. Some diorite shows weak foliation, however, most is blocky weathering and unfoliated. The diorite occurs as dykes or as individual outcrops that are aligned and also interpreted as dikes. Relatively fresh diorite occurs near 3250N, 2975E. Pink K-spar alteration along fractures and rare patches of pervasive K-spar alteration of the plagioclase crystals in the diorite imply that late magmatic fluids were rich in potassium. The diorite occurs adjacent to K-spar altered heterolithic breccia. Diorite near 2650N, 2450E is, in places, cut by irregular veins of druzy quartz with late barite. The irregular quartz veins appear to be along incipient breccia fragments in diorite. Chlorite alteration and silicification occur in diorite veined by quartz. Near 3025N,3025E fine grained diorite is locally strongly K-spar altered with weak to strong chlorite, magnetite and Fe-carbonate alteration also. The diorite hosts rare quartz-barite-chalcopyrite-fluorite veinlets and infrequent late shear veins contain specular hematite, magnetite, Fe-carbonate and chalcopyrite. Chlorite rich zones in the diorite are fine grained and contain rare fragments of the host rock. Near 2850N, 2725E a fine grained chlorite rich dike with chill margins intrudes hornfels phyllite. The chloritic dike contains magnetite-chalcopyrite veins with late barite within the dike. The chloritic dike is interpreted to be a volatile rich phase of the diorite dyke suite. Near 2475N,2750E diorite is coarse grained with blotchy albite altered zones. Near 3250N,3075E mixed chloritic diorite and K-spar altered heterolithic breccia appears to be a transitional lithology between diorite and heterolithic breccia. Heterolithic breccia near 2850N,2600E contains numerous K-spar phenocrysts in the matrix of the breccia. The feldspar crystals might have grown in a volatile rich phase of diorite before being incorporated into the breccia phase.

Wernecke breccia (**wb**) is in most places subdivided into heterolithic breccia and homolithic breccia (**bho**). Homolithic breccia can be subdivided according to clast composition. Near 2300N,2100E hematitic homolithic breccia **(bht)** of weakly K-spar altered argillite is associated with late extensional fault movement along a south dipping east-west fault. Near 2900N,1900E homolithic breccia of quartzite-phyllite is silicified. Near 3600N,2550E and 3900N,2450E homolithic breccia is virtually unaltered black shale cemented by minor albite and Fe-carbonate. Near 3500N,2600E leucocratic carbonate altered albitic homolithic breccia containing 1-3% pyrite occurs adjacent to an albitic diorite dike. In the last example the very strong alteration probably overprinted any pre-existing breccia variability.

Heterolithic breccia (**bht**) typically occurs as lense shaped zones along strike and adjacent to diorite dikes and in several places appears to grade into diorite. The heterolithic breccia zones form an east-west to northeast-southwest trending array on the TVA claim block. Where contacts to the breccia zones are seen, they dip to the northwest or are nearly vertical. Heterolithic breccia adjacent to diorite is often more K-spar altered than breccia further away. Larger shale fragments within the heterolithic breccia can be found with a rind of pink-red K-spar alteration. In areas of shale and carbonate layers, the carbonate layers show much stronger K-spar alteration than the shale layers. In strained lithologies, incipient breccia texture develops in the shale-carbonate lithologies with the K-spar altered layers fracturing into small blocks between layers of more ductile black shale. Black shale interlayered with carbonate, common to the lower part of the Gillespie Group, when brecciated and K-spar altered results in a heterolithic looking breccia with clasts of black hornfelsed shale mixed with pink-orange K-spar altered carbonate fragments. Diorite fragments, usually chloritic or K-spar altered, occasionally are recognized within the heterolithic breccia zones. The matrix to the heterolithic breccia is typically fine grained and chloritic, siliceous-chlorite, sericite, carbonate and hematitic altered. One area, described in the diorite section, contains numerous white-grey K-spar phenocrysts in the matrix of the breccia.

Gillespie Lake Group (**PGL**) lithologies include crudely layered dolomite (**dol**), locally stromatolitic or pyritic; alternating dolomite and chert layers (**cht/dol**); chert (**cht**); and black shale (**shl**) with minor dolomitic layers or pyritic shale layers. Hornfelsed (**hf**) and metasomatized equivalents occur close to Wernecke breccia zones. A zone of dark green to black shale with interbedded calcareous shale layers occurs along the ridge and south-facing slope of the mountain between 2850N,2600E and 2975N,3150E. The dark green to black shale has been interpreted to be part of the Gillespie Lake Group because of its location between two horizons of dolomite±chert, although, it might belong to the Fairchild Lake Group. The closest Fairchild Lake Group rock, mapped by Thorkelson and Wallace (1993), is located about 600 metres to the southeast along the eastern side of the claim boundary and may be the downdropped equivalent of the dark green to black shale unit.

Quartet Group (**PQ**) lithologies on the TVA claim block include black shale (**shl**), black shale with interbedded layers of fine grained quartzite, quartzite interbedded with minor phyllite (**qzt**), and phyllite (**ph**) where sheared. Black shale containing quartzite layers was categorized as Quartet Group and was distinguish from black shale containing brown weathering carbonate layers which was categorized as Gillespie Lake Group. Most of the black shale near the claims is only slightly rusty weathering but in thick sequences of black shale exposed on the north side of Gnuckle Creek, rusty weathering horizons are exposed. Rocks classified as Quartet Group are mapped in the northwest part of the TVA claim block and also in the south and southeast part of the claim block.

Fairchild Lake Group lithologies are mapped by Thorkelson and Wallace in the southern part of the TVA claim block, from about soil grid line 2200N south. The 1994 mapping which only touched on the area south of line 2200N, identified grey shale, black shale, chert and breccia. The presence of chert, not noted to occur in the Fairchild Lake Group but found in the Gillespie Lake Group suggests that these rocks could be classified as being part of the Gillespie Lake Group. Since only limited mapping of the area was done, no firm conclusion can be made as to which group these rocks belong.

8.2 Structure

The structure on the property is quite complex and involves several episodes of faulting and some folding. The main structure is interpreted to be a north to northwest dipping thrust fault cutting an anticline parallel to it's axial plane. Tabular intrusions of diorite and associated heterolithic and homolithic breccia occur along the thrust fault. Tear faults in the upper plate of the thrust fault appear to have enhanced heterolithic breccia development. Later extensional faulting forms a southward dipping dip-slope over most of the south-facing slope of the upper part of the mountain.

Thrust fault movement is interpreted from slickenside scales on fault surfaces cutting the massive specular hematite horizon as well as on fault surfaces cutting altered diorite near 3000N,3000E. The thrust fault surfaces dip to the north and northwest. The Wernecke breccia follows the trend of the diorite outcrops and is gradational into diorite in several outcrops. The anticline is inferred from the presence of overturned stromatolite mounds located near 2550N,3250E and the repetition of a dolomite $\pm$ chert horizon on either side of the diorite+breccia horizon. The anticline axis is interpreted to trend northeast-southwest. A later open syncline is exposed in the southern face of the mountain and has a northwest-southeast axial plane that dips steeply to the northeast.

Strike-slip faults were measured in the western part of the mapped area and generally dip to the northwest. The largest fault is located near 2950N,2100E and marks the contact between Gillespie Lake Group dolomite and Quartet Group phyllite. A fault near 2800N,2150E trending 044°/72°NW marks a contact between rusty white chert and black phyllite. Near 2875N,2660E a fault contact between K-spar altered heterolithic breccia and cherty Fe-carbonate phyllite trends 033°/76°NW. Near 2725N,2725E heterolithic K-spar altered Wernecke breccia contains large blocks of breccia with a foliation fabric. The blocks of foliated breccia are interpreted to have been part of a shear zone in breccia that was disrupted by a later brecciation and incorporated into the younger breccia. In the southern part of the map area, a 30 to 50 metre wide shear zone cutting black phyllite is mapped. Small tight folds with highly erratic orientations are seen in and adjacent to the wide shear zone. The east-west trending shear zone appears to be off-set to the east by the southerly dipping extensional faults that form a dip-slope on the upper part of the ridge.

An east-west trending, southerly dipping extensional fault system is exposed as a dip-slope fault surface near the centre of the map area. Extension has occurred along subparallel faults, each slice to the south dropping further down than the preceding one. The extensional fault movement has probably increased the exposure of Wernecke breccia on the south side of the ridge. At 2800N,2960E abundant slickensides on the dip-slope fault surface trend 184° with a 42°- plunge. In a talus chute near 2650N,3200E a prominent fracture set with an orientation of 090°/45°S is parallel to other extensional fault orientations on the south facing side of the ridge. Near 2950N,3050E the dip-slip fault surface has an orientation of 081°/31°SE and appears to cut an earlier copper mineralized shear zone. Near 2810N,2165E a dip-slope fault surface in black phyllite has an orientation of 118°/51°SW. Fractures in the black phyllite contain malachite and azurite but most of the secondary copper minerals in the black shale occur close to the outcrop of chloritic Wernecke breccia. The occurrences of hematitic K-spar altered breccia mapped beside Ursus creek in 1992 (Pamicon, 1992) is probably the downdropped breccia horizon exposed near the ridge line on the TVA claim block. The occurrence of a 5 metre thick horizon of massive specular hematite

(150 ppb Au, 87 ppm Co, 86 ppm Cu, 320 ppm La) exposed along the south fork of Ursus Creek reported in the 1992 report (Pamicon, 1992) is almost certainly the same horizon as the 1 - 8 metres, thick specular hematite horizon (35 ppb Au, 40 ppm Co, 131 ppm Cu, 800 ppm La) mapped near the top of the ridge on the TVA claim block. The vertical displacement on the detachment fault based on the separation of the specular hematite horizons would then be about 650 metres.

8.3 Alteration

A variety of alteration features and types are found on the TVA claim block. The strongest and most variable alteration features are found in the breccia and diorite units followed by mixed carbonate-shale and carbonate lithologies located close to the breccia zones and cut by fault/fracture zones. Alteration features found in diorite and Wernecke breccia are discussed in part in the lithology section.

Feldspar alteration is found in diorite, breccia, replacing carbonate in carbonate-shale lithologies and along faults cutting shale. During mapping, pink-orange feldspar was called K-spar while white to tan feldspar was called albite but no staining was done to confirm these identifications. Albite alteration typically occurs with dolomite and ferroan dolomite in homolithic breccia and diorite in the northwest part of the claim block. Albite alteration appears to be best developed in breccia/alteration zones occurring adjacent to diorite dikes that are interpreted to have formed at depth. K-spar alteration is interpreted to have formed at higher elevations near the apical parts of diorite dikes and the associated breccia zones. Fault zones that occur close to diorite dikes or breccia zones are often K-spar altered and often contain magnetite, specular hematite, chalcopyrite, Fe-carbonate, quartz and pyrite. Often massive K-spar alteration contains finely intergrown Fe-carbonate or ferroan dolomite.

Iron alteration minerals such as specular hematite, earthy hematite, magnetite, Fe-carbonate and pyrite are found on the claim block. Specular hematite is the most abundant and can be found over the widest area but seems to be most abundant adjacent to breccia/diorite zones. A peculiar specular hematite(95%)-magnetite(1%)-chlorite(4%) horizon 1 to 8 metres thick can be traced in discontinuous outcrops for about 250 metres, from near 2825N,2700E to near 3875N,2900E. The horizon dips steeply to the northwest and is interpreted to be along a thrust fault. Several talus boulders of massive specular hematite were found near 3300N,3000E and might be a continuation of the same massive specularite horizon. A nearby specularite(80%)-quartz(20%) $\pm$chalcopyrite vein dipping steeply to northwest and approximately along strike from the massive specularite horizon suggests that Fe rich hydrothermal fluids were involved in the formation of the massive specularite horizon. Near 3050N,3050E specular hematite occurs on octahedral magnetite crystals within ferroan dolomite in veins cutting altered diorite. Near 3000N,3000E fine grained disseminated magnetite and magnetite in veinlets occurs with K-spar altered fine-grained chloritic diorite. Fe-carbonate or ferroan dolomite form coarse grained irregular veins in homolithic breccia near 3500N,2600E. Some of the veins contain barite.

Quartz veining, where present, is typically restricted to areas of diorite and chert, however, several quartz veins were noted in other lithologies. Most quartz veins are 1 - 5 centimetres wide and none

of them are wider than about 30 centimetres. Quartz veins in diorite often contain specular hematite. Occasionally, milky white crystals of quartz grow into vugs that may contain late barite and chalcopyrite. Homolithic breccia comprised of phyllitic quartzite, located near 2900N,1850E, is strongly silicified. The breccia is weakly chloritized and contains infrequent vugs lined with small quartz crystals. Chlorite-silicification is also found in some of the heterolithic breccia zones.

A soft light grey-green matrix in heterolithic breccia located near 3200N,2900E is probably a mixture of sericite and chlorite. Weak sericite alteration was noticed in a few other places but was not common. Chlorite alteration is best developed in the heterolithic breccia and diorite. Chlorite is found in the massive specular hematite horizon, as a minor component with silicification and as near massive zones in chloritized dikes and mafic rich phases of the diorite.

Shiny black manganese staining of a chert-dolomite unit, located near 2900N,2300E, is associated with Fe-carbonate and chalcopyrite. Another zone of manganese staining is located near 2950N,3050E. Here, silvery grey manganese coated talus cobbles of massive to semi-massive chalcopyrite can be found among black-grey manganese coated cobbles of hornfelsed calcareous black-dark green shale, possibly containing diopside. The black manganese stain together with jarosite appears to be a good visual indicator of zones of alteration containing chalcopyrite.

A blue stained seep about 5 metres long is located near 2700N,2350E and occurs on an outcrop of dolomitic black shale. This secondary copper staining is considered to be a transported gossan derived from copper mineralization exposed higher on the mountain.

9.0 ROCK GEOCHEMISTRY AND MINERALIZATION

9.1 Introduction

Rock samples during phase 1 were collected from a variety of lithologies and mineralized zones to confirm anomalous results obtained in 1992 as well as to identify additional zones of mineralization. Phase 2 sampling was restricted to outcrop and subcrop samples of alteration features, structural zones and mineralized zones. Rock samples in phase 2 were located using the soil sample grid. Plates 4, 5 and 6 show the respective copper, gold and cobalt values of the rock samples collected in the Ursus/TVA claim area.

9.2 Procedures and Methodologies

Rock samples were collected from outcrop, talus or float boulder samples. Sample size was typically 0.5 to 1.5 kilograms. Chips were cleaned of moss and soil and placed in a numbered plastic bag. A numbered ribbon and inscribed metal tag was tied onto a rock or bush to mark the location. Rock sample description notes are located in the appendices.

9.3 Discussion

The following discussion reviews the highest analytical values received during the 1994 rock sampling program to provide a better understanding of the tenor and extent of mineralization located on the claim block and the geological setting of the mineralization.

The highest gold, bismuth and molybdenum values, of the rock samples collected in 1994 on the Ursus/TVA claim block, was sample 433206 located near 2885N,2900E. The chip sample over 40 centimetres, returned results of 610 ppb gold, 1.4 ppm silver, 28 ppm bismuth, 118 ppm cobalt, 2050 ppm copper, 174 ppm molybdenum and 460 ppm lanthanum. The sample was collected from an intermittent gossan zone up to 50 centimetres wide along the lower contact of the massive specularite horizon discussed in preceeding sections. The rusty zone is traceable in several outcrops over a distance of about 100 metres. The rock is described as a K-spar-specular hematite altered shear zone in calcareous dark green phyllite. The shear zone has an orientation of 054°/63°NW, however, the presence of magnetite in the specular hematite layer would affect the accuracy of the strike measurement.

The second highest gold and copper values and the highest cobalt value are from sample 433217 located near 2945N,3055E. This chip sample over 1.8 metres returned values of 320 ppb gold, < 0.2 ppm silver, 6 ppm bismuth, 289 ppm cobalt, 1.78% copper, 35 ppm molybdenum and 110 ppm lanthanum. The sample was collected from hornfelsed dolomitic phyllite with patchy K-spar alteration. The rock shows an incipient breccia texture and hosts magnetite with up to 3% chalcopyrite. This zone of incipient breccia texture appears to be along the same fault structure that hosts a narrow chalcopyrite-magnetite-Fe-carbonate shear vein to the north. The sampled surface is on a south-dipping extensional fault surface. Several shiny black manganese coated talus cobbles of massive chalcopyrite were located directly above the chip sample.

The third highest gold and copper values and the second highest bismuth values are from rock chip sample 433218 located near 2995N,3075E. The sample returned 160 ppb gold, < 0.2 ppm silver, 24 ppm bismuth, 97 ppm cobalt, 1.71% copper, 93 ppm molybdenum and 250 ppm lanthanum. The sample was collected from a small blasted pit dug by Pan Ocean in 1980. The chip sample across 1 metre tests a bedding parallel shear-vein zone in calcareous phyllite that has an orientation of 057°/39°NW. The zone contains about 2% chalcopyrite, 1% pyrite and 1% specular hematite and also contains about 5% magnetite that would affect the accuracy of the strike measurement. The shear zone extends to the top of the ridge and is marked by an abundance of orange "copper" lichen. The shear-vein might be exposed on the south side of the ridge where sample 433217 was collected.

The highest copper value was collected from sample 937664 located near 3470N,3125E and is from a talus float cobble. The sample returned 15 ppb gold, < 0.2 ppm silver, < 2 ppm bismuth, 65 ppm cobalt, 3.23% copper, 22 ppm molybdenum and 360 lanthanum. The cobble is described as a hornfelsed phyllite breccia with abundant Fe-carbonate matrix with possible K-spar altered fragments. The float sample might be derived from underlying bedrock but could have been transported from mineralized outcrops near 3000N,3000E by snow avalanches and solifluction.

The fourth highest copper value and second highest cobalt value was collected from rock sample 433220 located near 2805N,2200E. The sample returned < 5 ppb gold, < 0.2 ppm silver, < 2 ppm bismuth, 275 ppm cobalt, 1.43% copper, 10 ppm molybdenum and 20 ppm lanthanum. The sample was collected from a frost heaved boulder of sheared white chert containing azurite and malachite and cut by quartz veins. The boulder is probably from subcrop or outcrop just uphill. Rock chip sample 433222, located in outcrop about 50 metres up hill from 433220, returned the fifth highest copper value. The 4 metre chip sample, across a fault and associated fracture set, is veined by Fe-carbonate-quartz veinlets in white chert and returned 15 ppb gold, < 0.2 ppm silver, < 2 ppm bismuth, 119 ppm cobalt, 7600 ppm copper, 27 ppm molybdenum and < 10 ppm lanthanum. The fault zone has an orientation of 141°/32°NE and is interpreted to be a low angle reverse fault. Much of the chert in the immediate area doesn't contain copper mineralization, however, talus covers most of the slope so mineralization could be more extensive than outcrop exposures would indicate.

The third highest cobalt value was collected from rock sample 937651 located near 2250N,2225E. The chip sample of pyritic black shale across a 30 centimetre wide contact zone with heterolithic Wernecke breccia returned 10 ppb gold, 0.4 ppm silver, < 2 ppm bismuth, 249 ppm cobalt, 25 ppm copper, 22 ppm molybdenum and 10 ppm lanthanum.

Other anomalous elements in the 1994 rock sample suite include sample 433216 with 40 ppm tungsten in hornfels of dolomitic phyllite containing possibly diopside, magnetite and K-spar. Sample 937655 collected across 5 metres of manganese stained siderite at the top of the ridge returned > 10000 ppm manganese. Sample 937662 returned 1015 ppm vanadium, 440 ppm lanthanum and 119 ppm molybdenum. The sample was collected from a pyritic dolomite-chert unit.

Copper mineralization including chalcopyrite and it's weathering products; malachite, azurite and neotocite, occurs in a variety of settings but typically in close proximity to the edges of heterolithic breccia and diorite. Small zones of disseminated chalcopyrite and pyrite occur in chlorite $\pm$ K-spar altered diorite near 3000N,3000E. Several magnetite veinlets containing minor chalcopyrite were located near 2850N,2725E and near 3000N,2950E in talus. Heterolithic breccia occasionally hosts minor blebs of chalcopyrite but is commonly barren. Near 2950N,3050E hornfelsed dolomitic phyllite with patchy K-spar alteration shows an incipient breccia texture and hosts magnetite with up to 3% chalcopyrite. The zone of incipient breccia texture appears to be along the same fault structure that hosts narrow chalcopyrite-magnetite-Fe-carbonate shear veins to the north. A 10 metre wide zone of intense K-spar and Fe-carbonate alteration located near 3950N,3125E, contains about 1% disseminated chalcopyrite.

Most chalcopyrite found on the Ursus/TVA claims occurs in late Fe-carbonate $\pm$ quartz filled veinlets and fractures. Fe-carbonate veinlets in fractured white chert near 2850N,2200E contains minas chalcopyrite. The fractures have an orientation of about 141°/32° NE and are related to a low-angle fault, probably a reverse fault. Rare talus float of massive chalcopyrite up to 10 centimetres across is probably derived from lenses of chalcopyrite that occur in late Fe-carbonate-magnetite-chalcopyrite shear veins. The veins are found adjacent to the fine grained diorite located near 3000N,3000E and in calcareous dark-green grey phyllite to the south and west. A shear zone adjacent to a massive specularite seam near 2885N,2900 contains traces of chalcopyrite and pyrite. Within the specular hematite seam, traces of malachite and barite were found.

10.0 SOIL GEOCHEMISTRY

10.1 Introduction

During phase 1, soil samples were collected every 50 metres along two claim lines; line CM914 on the north side of the ridge and line CM1522 on the south side of the ridge. Anomalous results in both the soil and rock samples encouraged further work. During phase 2 a north-south baseline was established. The #1 Posts for TVA 5 & 6 claims (tag numbers YB22512 and YB22511) was used as the origin and called 3000N,3000E on the grid. Abundant magnetite near the origin made compass orientations less accurate. Variations in soil line orientation reflect magnetite concentrations and the samplers ability to follow a bearing across steep terrain. Plates 7, 8 and 9 show the respective copper, gold and cobalt values in soil samples collected on the soil grid.

10.2 Procedures and Methodology

Soil samples were collected using a grub hoe to excavate a sample of soil. Samples typically were collected from the B horizon of the soil profile or from talus fines at a depth of 5 to 30 cm. Soil was placed in numbered paper bags and a corresponding numbered ribbon was hung at the site to mark the location. Field notes record the sample station number, sample depth, soil horizon, soil colour, soil texture, downhill slope direction and dip angle, vegetation cover, and any other notes about the sample site. Notes regarding the soil sample sites are available for viewing in the contractor's office. Soil samples were partially dried in camp before shipment to Chemex Labs Ltd.

Based on a statistical evaluation of all the soil sample data collected in the Fairchild project area since 1992, the following thresholds in table 10.1.1 are suggested by Owen Lavin, Senior Geochemist for Newmont Exploration Limited.

Table 10.1.1
Regional Soil Geochemistry Thresholds

Percentile	Classification	Thresholds Au ppb	Cu ppm	Co ppm
99	highly anomalous	135	3000	300
97	definitely anomalous	65	1500	175
90	moderately anomalous	20	500	80
75	high values	5	200	40
	background and high background			

10.3 Soil Sample Geochemistry

A sizable copper-gold-cobalt geochemical anomaly present within the surveyed area is aligned in an arcuate northeast-southwest trend. The length of the combined three element anomaly is about 1700 metres long which includes a 150 metre gap where the anomaly seems to be cut out by a heterolithic breccia unit. The anomaly is open to the southwest and probably extends another 100 metres in that direction where it may be cut off by faulting. Gold results provide the most coherent anomaly pattern, followed by copper then cobalt with rather diffuse anomaly outlines. The three element anomaly axis roughly follows the top of the east-west trending ridge from the western side of the survey area to 3000N,3100E where it trends almost due north to 3600N,3200E. The northern extent of the anomaly ends near a mapped east-west trending fault that may have displaced the anomalous horizon. The width of the gold and copper anomalies is about 200 metres on average but is up to 800 metres wide where talus slides have dispersed mineralized rock from near the ridge crest. To cover the maximum geochemical values of copper, gold and cobalt are 1.03% copper, 590 ppb gold and 2230 ppm cobalt.

Anomalous copper values are associated with mapped units of chert and mixed chert and dolomite in the western part of the large three element anomaly. Anomalous copper values are hosted predominantly by dark green to black calcareous shale in the northeastern part of the large three element anomaly. Moderately anomalous copper values are also present along a northerly trending lobe centred around a line extending from sample 000784 to sample 0550E on line CM914. Mixed chert and dolomite occur in contact with black phyllite along this trend. Several cobbles of dolomite containing chalcopyrite in Fe-carbonate veinlets found on line 3400N may explain this copper anomaly. Several spot highs of anomalous copper are located to the north and south of the large three element anomaly. Several of the spot anomalies are located near heterolithic breccia but several are in areas not mapped.

Anomalous gold values are found almost exclusively along the axis of the large three element anomaly. Some downslope dispersion is probable along the flanks of the ridge. A few spot anomalies occur to the north and south of the main three element anomaly but are not usually associated with other anomalous elements. A sample collected at 2200N,2850E is anomalous in gold, copper and cobalt. A traverse below the site found minor heterolithic breccia within a weak to moderately K-spar and specular hematite altered phyllite. Several pieces of talus contain traces of chalcopyrite. Samples 001037 - 001039 on line 2600N are moderately anomalous in gold and cobalt. The area contains talus of altered dolomitic rock that contains abundant magnetite and pyrite and is also anomalous in silver, bismuth, iron, molybdenum and lanthanum. Sample #001008 collected from 2200N,2200E is anomalous in gold, silver, molybdenum. The location of the sample is not known precisely and may have been collected from stream sediments, however, the anomalous values have not been explained. Sample 0400E on soil line CM914 is anomalous in gold and cobalt. The cause of the gold anomaly is not known.

Anomalous cobalt values cover the large three element anomaly but also extend over other large areas on the grid. In other area the distribution of the anomalous cobalt values appears to follow pyrite distribution. Anomalous cobalt values occur in rusty weathering leucocratic albite-dolomite breccia centred near 3400N,2500E. Somewhat rusty weathering black shale located along most of

lines 2200N and CM1522 are anomalous in cobalt. The cause of the moderately anomalous cobalt values in the northeast corner of the survey grid is not known.

Other anomalous elements found during the soil survey include silver, barium, bismuth, cadmium, iron, potassium, manganese, molybdenum, sodium, lead, strontium, vanadium, zinc and lanthanum. Titanium, phosphorus, beryllium and tungsten don't have much variability. A few of the more interesting anomalous values other than copper, gold and cobalt are highlighted below.

The highest silver value received was from sample #001020 located at 2200N,3550E. It returned 11.2 ppm silver, > 1% manganese and was also anomalous in copper and cobalt. Samples 000927 - 929 and 000997 and 998 from the last 4 sample sites at the west end of line 2800N and samples 000755 and 756 from line 3000N are highly anomalous in silver. The samples located at the western end of the large 3 element anomaly ranged between 5 ppm and 8.6 ppm silver . Sample #000955 located at 3400N,2800E returned 5.6 ppm silver and >1% manganese. All the other soil samples returned less than 5 ppm silver.

The highest bismuth values correspond quite closely to the highest silver values listed above. Samples 000928 - 930 and 000997 and 998 are from the last 3 sample sites at the west end of line 3800N. The three samples have values ranging from 162 ppm to 882 ppm bismuth. Sample #000770 returned 124 ppm bismuth and is located at 3000N,3100E; within the three element anomaly.

Cadmium values are typically less than the detection limit of 0.5 ppm. Soil sample # 000998 located at the west end of line 2800N returned cadmium values of 8.5 ppm, the highest of the survey.

The highest three barium values, 000933, 000916 and 917 are located on line 2800N and are near the centre of the large 3 element anomaly. The three values range from 5200 ppm to 5810 ppm barium. Molybdenum values reach as high as 131 ppm in sample #000879 located at 3600N,3050E.

The highest lanthanum value is 500 ppm from sample #000772 located at 3000N,3200E. The sample is from near the centre of the large three element anomaly. Sample #000992 at 2000N,2350E returned the second highest lanthanum value at 270 ppm but was not strongly anomalous in any of the other elements. Samples 000914 and 000916 both ran 260 ppm lanthanum and are on line 2800N on the edge of the large three element anomaly.

In summary the most anomalous values for most elements are located within the outline of the large copper-gold-cobalt multi-element anomaly. Several anomalous values for some of the elements fall outside the anomaly and probably reflect smaller and less complex mineralized zones.

11.0 GEOPHYSICS

The Ursus/TVA area has been covered by airborne radiometric and magnetometer surveys. The results are presented and discussed in a proprietary geophysical report (Wiles, 1993).

12.0 DISCUSSION

Regional geological mapping of the Ursus/TVA area shows Wernecke breccia trending from the Slats claim area through the Arctos claims and continuing onto the Ursus/TVA claim block. The Ursus/TVA claim block is hypothesised to lie along a regional northwest-southeast trending regional fault/shear zone that is host to Wernecke breccia zones on the Slats, Cleveland, Ursus/TVA, Hail, Mica and Reid claim blocks. The regional fault/shear zone is interpreted to be an early regional transpressional thrust fault that was intruded by volitile rich diorite dikes. The present discontinuous outcrop pattern of Wernecke breccia is interpreted to be caused by later extensional block faulting along Ursus and Mica Creeks and faults in other places.

Of the various rock types on the Ursus/TVA claim block the most ambiguous is the lithology mapped as granite by Thorkelson and Wallace (1993). It does not look like a regular granite with coarse grained feldspar and quartz but it is leucocratic and it does have fine grained feldspar and coarse grained pyrite. The unit resembles albite-dolomite altered Wernecke breccia along strike to the south which contains minor pyrite. The zone could be a finely brecciated and thoroughly altered variety of the breccia to the south and in some places vuggy weathering texture resembles a breccia. The rock mapped as a granite by Thorkelson and Wallace (1993) is interpreted to be an albite-pyrite-clay alteration zone replacing black shale.

Outcrops of diorite and heterolithic breccia that show transitional features between the two are interpreted as evidence that at least a portion of heterolithic breccia has an intrusive diorite origin. The proportion of sedimentary clasts appears to increase away from the margins of the diorite.

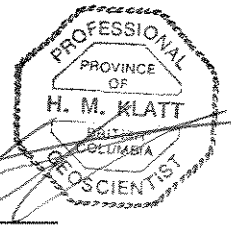
The structure of TVA claim block is quite complex and involves several episodes of faulting and some folding. The main structure is interpreted to be a north to northwest dipping thrust fault that cuts an anticline parallel to the axial plane. Tabular intrusions of diorite and associated heterolithic and homolithic breccia occur along the thrust fault. Tear faults in the upper plate of the thrust fault appear to have enhanced heterolithic breccia development. A late extensional fault forms a southward dipping dip-slope over most of the south-facing slope of the upper part of the mountain. The extensional fault is estimated to have about 650 metres of vertical displacement.

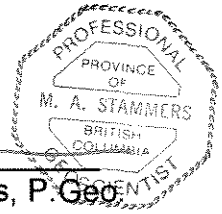
Alteration features on the Ursus/TVA claim block are strongest in the diorite and heterolithic breccia units. Alteration zoning can be interpreted from the distribution of albite and K-spar alteration. Albite alteration appears to best developed in breccia/alteration zones occuring adjacent to diorite dikes that are interpreted to have formed at depth. K-spar alteration is interpreted to have formed at higher elevations near the apical parts of diorite dikes and the associated breccia zones. Iron metasomatism is best developed in Wernecke breccia and along shear/veins that appear to have been active during the cooling phase of the hydrothermal system.

Rock sample geochemical results indicate the presence of potentially economic copper-gold grades. Anomalous silver and cobalt values may also contribute to the economic potential of the mineralized zone. Copper mineralization seems to be strongest in fractured and faulted rock adjacent to heterolithic breccia zones. Chalcopyrite occurs with Fe-carbonate filled fracture veinlets, as rare disseminated blebs in breccia and diorite, and as massive chalcopyrite lenses in shear-veins.

A soil sample survey on the Ursus/TVA claim block outlined a large copper-gold-cobalt multi-element anomaly that is about 1700 metres long, 200 metres wide and open to the southwest. A 150 metre wide gap in the anomaly occurs where a heterolithic breccia appears to cut out the anomalous lithologies. Several of the highest gold, copper, cobalt, bismuth and silver values occur in the southwestern part of the geochemical anomaly. The outline of the large copper-gold-cobalt multi-element anomaly also encloses most of the highest geochemical values for the other elements that were analysed. Several anomalous values for some of the elements fall outside the anomaly and probably reflect smaller and less complex mineralized zones or small fault blocks of mineralized lithologies. Other anomalous elements found during the soil survey include silver, barium, bismuth, cadmium, iron, potassium, manganese, molybdenum, sodium, lead, strontium, vanadium, zinc and lanthanum.

Respectfully submitted,





Harvey M. Klatt, MSc. P.Geo.
PAMICON DEVELOPMENTS LTD.
Vancouver, British Columbia
January 1995

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

533,000 mE | 533,500 mE | 534,000 mE | 534,500 mE | 535,000 mE | 535,500 mE | 536,000 mE

7,202,000 mN | 7,201,500 mN | 7,201,000 mN | 7,200,500 mN | 7,200,000 mN | 7,199,500 mN

Slats Creek

Cruckle Creek

Ursus Creek

Approximate Claim Block Boundary

Approximate Claim Block Boundary

overturned stromatolite mounds

EXPLANATION

GEOLOGY

- 55 — BEDDING
- 78 — OVERTURNED BEDDING
- VERTICAL BEDDING
- 20 — FOLIATION
- 66 — FAULT
- MINOR FOLDS
- SYNCLINE
- OUTCROP
- CONTACT
- APPROXIMATE FAULT

CLAIM POSTS

- ASSUMED CLAIMPOST
- LOCATED CLAIMPOST
- ENDPOST

HELICOPTER LANDING SITE

LITHOLOGY

dol	Dolomite, orange-brown weathering, blocky, locally interlayed with chert.
shl	Shale, black, carbonaceous, fissile, contains minor fine-grained sandstone. (PQ) black, fissile, contains dolomite interlayed with black to green shale. (PSL)
bht	Heterolithic Breccia
bhm	Homolithic Breccia
chl	Chert, grey, black or white, locally contains minor dolomite.
dl	Diorite, locally fine-grained and chloritic, typically hosts quartz and/or barite veinlets, often feldspar altered.
qzt	Quartzite, white to grey with minor phyllite interlayers.
mts	Metasomatized Sediments, intense pyrite-clay-feldspar alteration, original rock type is unknown.
hf	K-spar hornfels.

MAP AREA:
X: 532500 - 536500
Y: 7198400 - 7202400
Z: 0 - 10000
Units are meters.

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

0 100 200 300m

0 400 800 1200ft

Scale 1 : 5,000

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA M. M. KLATT GEOSCIENTIST

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA M. M. MASTERS GEOSCIENTIST

093267

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 1

URSUS/TVA CLAIM GROUP

FACTUAL GEOLOGY MAP

Compiled By: M. KLATT	Date Drafted: 11/94	Coordinate System: UTM ZONE 8
Drafted By: GEODRAFTING	File Name: UT -GEO.DWG	Contour Interval: 20M

533,000 mE | 533,500 mE | 534,000 mE | 534,500 mE | 535,000 mE | 535,500 mE | 536,000 mE

7,202,000 mN | 7,201,500 mN | 7,201,000 mN | 7,200,500 mN | 7,200,000 mN | 7,199,500 mN

Spuds Creek

Cruckle Creek

Ursus Creek

Approximate Claim Block Boundary

Approximate Claim Block Boundary

AB vein

PY3 CB3? zone

1500m 1400m 1300m 1700m 1600m 1800m 2000m 1900m 1200m 1100m

EXPLANATION

ALTERATION

HS	Specularite
CB	Carbonate
MS	Magnetite
CL	Chlorite
KF	K-spar
FU	Fluorite
AB	Diopside
CY	Clay
SI	Silica

Hornfels

KF	K-spar
AB	Albite
SE	Sericite

Sulfides

CP	Chalcopyrite
PY	Pyrite

Oxides and Sulfates

HE	Hematite
BA	Barite

55
QZ — VEIN, WITH ABBREVIATION FOR TYPE

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

MAP AREA:
X: 532500 – 536500
Y: 7199400 – 7202400
Z: 0 – 10000
Units are meters.

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

0 100 200 300m

0 400 800 1200ft

Scale 1 : 5,000

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 2

URSUS/TVA CLAIM GROUP

STRUCTURE AND ALTERATION MAP

Compiled By: H. KLATT	Date Drafted: 11/94	Coordinate System: UTM ZONE 8
Drafted By: GEOGRAFTING	File Name: UT__GEO.DWG	Contour Interval: 20M

093267

Disk 2

533,000 mE | 533,500 mE | 534,000 mE | 534,500 mE | 535,000 mE | 535,500 mE | 536,000 mE

7,202,000 mN | 7,201,500 mN | 7,201,000 mN | 7,200,500 mN | 7,200,000 mN | 7,199,500 mN

Slats Creek

Approximate Claim Block Boundary

Cruckle Creek

Ursus Creek

mts

overturned stromatolite mounds

Approximate Claim Block Boundary

EXPLANATION

GEOLOGY

- 55 — BEDDING
- 78 — OVERTURNED BEDDING
- VERTICAL BEDDING
- 20 — FOLIATION

EXPLANATION

INTERPRETED GEOLOGY

- NORMAL FAULT
- CONTACT, DASHED WHERE INFERRED
- THRUST FAULT
- SYNFORM
- DETACHMENT FAULT
- PGL — GILLESPIE LAKE GROUP (MIDDLE PROTEROZOIC)
- PQ — QUARTET GROUP (MIDDLE PROTEROZOIC)
- Pwb/Pbhm/Pbht — Pwb WERMECKE BRECCIA, UNDIFFERENTIATED; Pbht HETEROLITHIC BRECCIA; Pbhm HOMOLITHIC BRECCIA
- Idl — DIORITE TO GABBRO INTRUSIVE BODIES

MAP AREA:
X: 532500 - 536500
Y: 7198400 - 7202400
Z: 0 - 10000
Units are meters.

H. M. KLATT — Professional Engineer — Province of British Columbia

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

093267

Dwg 3

0 100 200 300 m

0 400 800 1200ft

Scale 1 : 5,000

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 3

URSUS/TVA CLAIM GROUP

INTERPRETIVE GEOLOGY MAP

Compiled By: H. KLATT	Date Drafted: 11/94	Coordinate System: UTM ZONE 8
Drafted By: GEODRAFTING	File Name: UT_-GEO.DWG	Contour Interval: 20M

533,000 mE | 533,500 mE | 534,000 mE | 534,500 mE | 535,000 mE | 535,500 mE | 536,000 mE

7,202,000 mN | 7,201,500 mN | 7,201,000 mN | 7,200,500 mN | 7,200,000 mN | 7,199,500 mN

Cu Geochemistry

Pre 94	1994 Samples
float	
× value	Sample No. × value (ppm)
grab	
□ value	Sample No. □ value
chip	Rocks
☑ value	Sample No. ☑ value
channel	
■ value	Sample No. ■ value

MAP AREA:
X: 532500 - 536500
Y: 7199400 - 7202400
Z: 0 - 10000
Units are meters.

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

093267

0 100 200 300 m

0 400 800 1200ft

Scale 1 : 5,000

NEWMONT EXPLORATION LTD.
WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 4

URSUS/TVA CLAIM GROUP

Cu IN ROCKS

Compiled By:	Date Drafted:	Coordinate System:
H. KLATT	11/94	UTM ZONE 8
Drafted By:	File Name:	Contour Interval:
N. MERRITT	UT_CUR.DWG	20M

533,000 mE | 533,500 mE | 534,000 mE | 534,500 mE | 535,000 mE | 535,500 mE | 536,000 mE

7,202,000 mN | 7,201,500 mN | 7,201,000 mN | 7,200,500 mN | 7,200,000 mN | 7,199,500 mN

Au Geochemistry

Pre 94 | 1994 Samples

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

grab
□ value | Sample No. | □ value

chip
Rocks
▨ value | Sample No. | ▨ value

channel
■ value | Sample No. | ■ value

MAP AREA:
X: 532500 - 536800
Y: 7198400 - 7202400
Z: 0 - 10000
Units are meters.

H. M. KLATT
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
ASSOCIATION

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

Dwg 5

093267

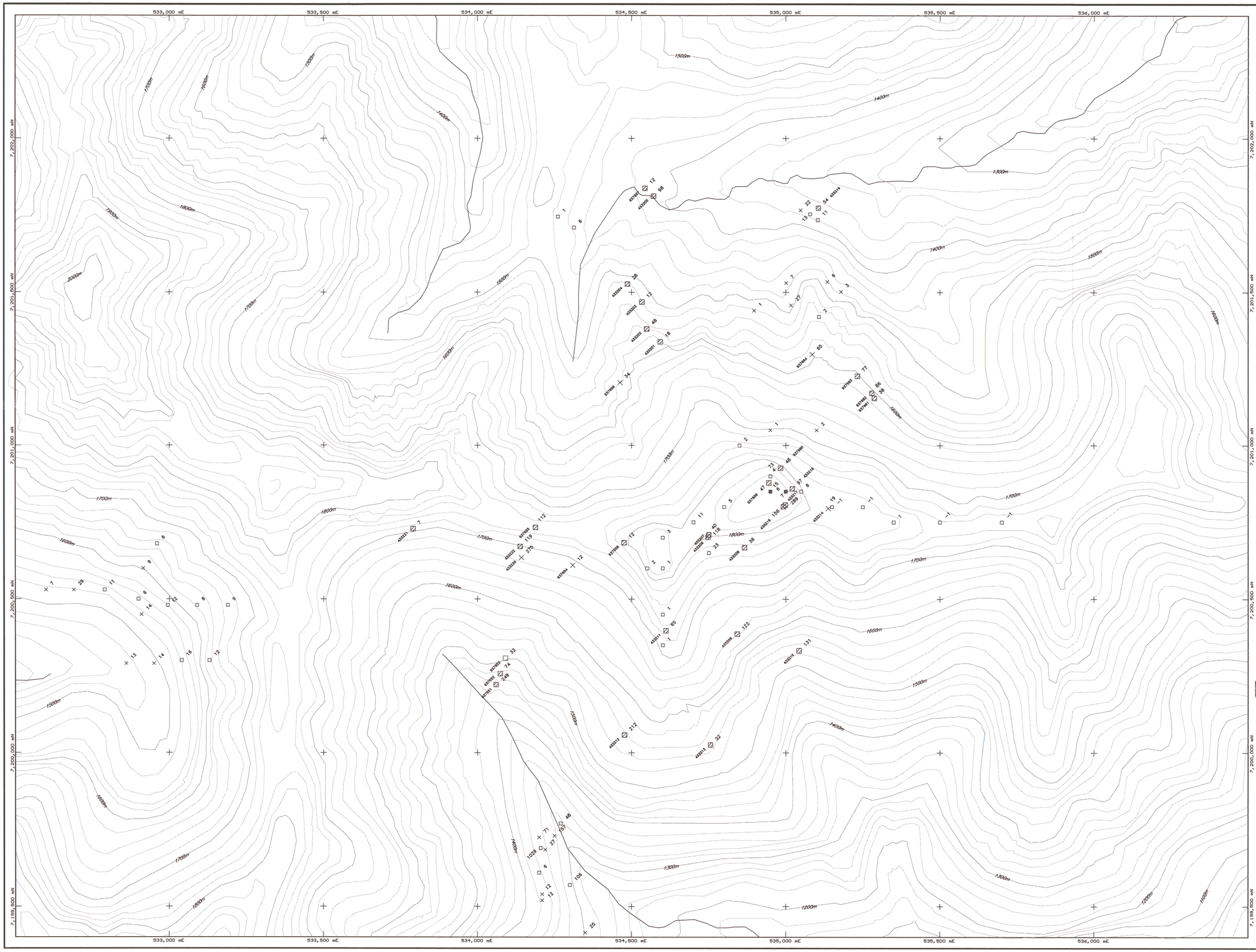
0 100 200 300m
0 400 800 1200ft
Scale 1 : 5,000

NEWMONT EXPLORATION LTD.
WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 5
URSUS/TVA CLAIM GROUP
Au IN ROCKS

Compiled By: H. KLATT	Date Drafted: 11/94	Coordinate System: UTM ZONE 8
Drafted By: N. MERRITT	File Name: UT_AUR.DWG	Contour Interval: 20M



Co Geochemistry

Pre 94	1994 Samples
float	
× value	Sample No. × value (ppm)
grab	
□ value	Sample No. □ value
chip	Rocks
▨ value	Sample No. ▨ value
channel	
■ value	Sample No. ■ value

MAP AREA:
X: 532500 - 536500
Y: 7198400 - 7202400
Z: 0 - 10000
Units are meters.

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 105 D/16

Dwg 6

093267

0 100 200 300m

0 400 800 1200ft

Scale 1 : 5,000

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 6

URSUS/TVA CLAIM GROUP

Co IN ROCKS

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

Cu Geochemistry

Pre 94	1994 Samples
>1500	>1500 ppm
1500	1500
1000	1000
500	500
100	100
<50	<50

Sample No. — Soils

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

093267

0 100 200 300m

0 400 800 1200ft

Scale 1 : 5,000

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 7

URSUS/TVA CLAIM GROUP

Cu IN SOILS

Compiled By:	Date Drafted:	Coordinate System:
H. KLATT	11/94	UTM ZONE 8
Drafted By:	File Name:	Contour Interval:
N. MERRITT	UT_CUS.DWG	20M

533,000 mE | 533,500 mE | 534,000 mE | 534,500 mE | 535,000 mE | 535,500 mE | 536,000 mE

7,202,000 mN | 7,201,500 mN | 7,201,000 mN | 7,200,500 mN | 7,200,000 mN | 7,199,500 mN

LINE 4300N | LINE 4100N | LINE CM914 | LINE 3800N | LINE 3400N | LINE 3200N | LINE 3000N | LINE 2800N | LINE 2600N | LINE 2400N | LINE CM1522 | LINE 2200N | LINE 2000N | LINE 1800N

Au Geochemistry

Pre 94	1994 Samples
>90	Sample No. >90 ppb
90	90
50	50
30	30 Soils
10	10
<5	<5

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA H. M. KLATT

PROFESSIONAL GEOSCIENTIST PROVINCE OF BRITISH COLUMBIA M. A. MERRITT

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

DWG 8

093267

0 100 200 300m

0 400 800 1200ft

Scale 1 : 5,000

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 8

URSUS/TVA CLAIM GROUP

Au IN SOILS

Compiled By:	Date Drafted:	Coordinate System:
H. KLATT	11/94	UTM ZONE 8
Drafted By:	File Name:	Contour Interval:
N. MERRITT	UT_AUS.DWG	20M

533,000 mE | 533,500 mE | 534,000 mE | 534,500 mE | 535,000 mE | 535,500 mE | 536,000 mE

7,202,000 mN | 7,201,500 mN | 7,201,000 mN | 7,200,500 mN | 7,200,000 mN | 7,199,500 mN

LINE 4300N | LINE 4100N | LINE CM914 | LINE 3800N | LINE 3400N | LINE 3200N | LINE 3000N | LINE 2800N | LINE 2600N | LINE 2400N | LINE CM1522 | LINE 2200N | LINE 2000N | LINE 1800N

Co Geochemistry

Pre 94	1994 Samples
>90	Sample No. >90 ppm
90	90
65	65
45	45
25	25
<15	<15
	Soils

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA H. M. KLATT

PROFESSIONAL GEOSCIENTIST PROVINCE OF BRITISH COLUMBIA M. A. NICOLSON

Grid North

Magnetic Declination for the center of this map is: 31° 29' East of True North

Grid North is 0° 39.9' East of True North for center of map

NTS Map 106 D/16

DWG 9

093267

0 100 200 300m

0 400 800 1200ft

Scale 1 : 5,000

NEWMONT EXPLORATION LTD.

WESTMIN RESOURCES, PAMICON DEVELOPMENTS, EQUITY ENGR.

FAIRCHILD PROJECT, YUKON TERRITORY, CANADA
MAYO MINING DISTRICT

PLATE 9

URSUS/TVA CLAIM GROUP

Co IN SOILS

Compiled By: H. KLATT	Date Drafted: 11/94	Coordinate System: UTM ZONE 8
Drafted By: N. MERRITT	File Name: UT__COS.DWG	Contour Interval: 20M

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

Archer, A. Bell, R.T. and Thorpe R. (1986): Age Relationships from U-Th-Pb isotope studies of uranium mineralization in Wernecke breccias; in Current Research, Part A, Geological Survey of Canada, Paper 86-1A, p. 385-391.

Archer, A.R. and Schmidt, U. (1978): Mineralized Breccias of Early Proterozoic Age, Bonnet Plume River District, Yukon Territory; CIM Bulletin, vol. 71, p. 53-58.

Bell, R.T. (1978): Breccias and uranium mineralization in the Wernecke Mountains, Yukon - a progress report ; in Current Research, Part A, Geological Survey of Canada, Paper 78-1A. p. 317-322.

Bell, R.T. (1982): Comments on the geology and uraniferous mineral occurrences of the Wernecke Mountains , Yukon and District of MacKenzie; in Current Research, Geological Survey of Canada, Paper 82-1B. p. 279-284.

Bell, R.T. (1986): Geological map of northeastern Wernecke Mountains, Yukon Territory; Geological Survey of Canada, Open File 1027.

Bell, R.T. (1986): Megabreccias in northeastern Wernecke Mountains, Yukon Territory; in Current Research, Part A, Geological Survey of Canada, Paper 86-1A. p. 375-384.

Bell, R.T. and Delaney, G.D. (1977): Geology of some uranium occurrences in Yukon Territory; in Current Research, Part A,Geological Survey of Canada, Paper 77-1A. p. 33-37.

Bell, R.T. and Jones, L.D. (1979): Geology of some Uranium Occurrences in Western Canada; in Current Research, Part A, Geological Survey of Canada, Paper 79-1A. p. 397-340.

Carriere, J.J., Sinclair, W.D. and Kirkham, R.V. (1981): Copper Deposits and Occurrences in Yukon Territory; Geological Survey of Canada, Paper 81-12, 10 pp.

Caulfield, D.A. (1992): Geological Report on the Ursus Claims, Yukon Assessment Report December 1992.

Delaney, G.D. (1981): The Mid-Proterozoic Wernecke Supergroup, Wernecke Mountains, Yukon Territory; in Proterozoic Basins of Canada, Geological Survey of Canada, Paper 81-10, p. 1-23.

Delaney, G.D. (1985): The Middle Proterozoic Wernecke Supergroup, Wernecke Mountains, Yukon Territory; Unpublished Ph.D. Thesis, University of Western Ontario, 373 pp.

Eisbacher, G.H. (1978): The Major Proterozoic Unconformities, Northern Cordillera; in Current Research, Part A, Geological Survey of Canada, Paper 78-1A, p. 53-58.

Goodfellow, W.D. (1979): Geochemistry of copper, lead, and zinc mineralization in Proterozoic rocks near Gillespie Lake, Yukon; in Current Research, Part A, Geological Survey of Canada, Paper 79-1A. p. 333-338.

Green, L.H. (1972): Geology of Nash Creek, Larsen Creek and Dawson map-areas, Yukon Territory; Geological Survey of Canada, Memoir 364, 157 pp.

Laznicka, P. and Edwards, R.J. (1979): Dolores Creek, Yukon - a Disseminated Copper Mineralization in Sodic Metasomatites; in Economic Geology, vol. 74, p. 1352-1370.

Stammers, M. A. (1994): 1993 Geological. Geochemical & Geophysical Report on the Mica-Hail, Ursus, TVA & Reid Claims; Report submitted for assessment credits.

Stammers, M.A. (1993): Bonnet Plume Corridor Compilation Summary; Private report prepared for Fairchild Joint Venture.

Wiles, C.J (1993): Airborne Geophysical Survey September 1993; Private report prepared for Fairchild Joint Venture.

Yeo, G.M. (1986): Iron-Formation in the late Proterozoic Rapitan Group, Yukon and Northwest Territories; in Mineral Deposits of the Northern Cordillera, Canadian Institute of Mining and Metallurgy Special Vol. 37, p. 142-153.

Young, G.M., Jefferson, C.W., Delaney, G.D. and Yeo, G.M. (1979): Middle and late Proterozoic evolution of the northern Canadian Cordillera and Shield; in Geology, vol. 7, p. 329-330.

Yukon Assessment Reports: 90291,90425, 90590, 90818.

APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

Kimberley Crane (Bull Cook)
1123 Ioco Rd.
Port Moody, B.C. V3H 2W9

Dan Corpe (Sampler)
General Delivery
Mayo, Yukon Y0B 1M0

Claire Dat (Sampler)
3589 W. 23rd Ave.
Vancouver, B.C.

Shawn Germaine (Sampler)
Box 131
Mayo, Yukon Y0B 1M0

Katherine Hofmann (Geologist)
207-675 W. Hastings St.
Vancouver, B.C. V6B 1N2

Murray Jones (Geologist)
904-1055 Dunsmuir St.
Vancouver, B.C. V7X 1C4

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)
Box 94
Mayo, Yukon Y0B 1M0

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

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

APPENDIX C

STATEMENT OF EXPENDITURE

STATEMENT OF EXPENDITURES
URSUS 1 - 18 AND TVA 1 - 22 MINERAL CLAIMS

CANADA -- In the matter of geological and geochemical assessment work filed on the Ursus 1 - 18 and TVA 1 - 22 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 Ursus 16-18 and TVA 1-6 and 9-20 Mineral Claims during the period July 12, 13, August 9-17, 19, 20 and 23 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. 2.5 days @ $375/day	$ 937.50	
Dave Caulfield, P.Geo. 0.5 days @ $375/day	187.50	
Harvey Klatt, P.Geo. 11 days @ $300/day	3300.00	
Kathi Hofmann, Geologist 1 day @ $300/day	300.00	
Claire Dat, Sampler 4 days @ $225/day	900.00	
Dave Lucas, Sampler 5 days @ $225/day	1125.00	
Shawn Germaine, Sampler 5 days @ $225/day	1125.00	
Prorated Wages	6197.61	$14,072.61

EXPENSES:

Rentals camp - Crew	$ 330.07
Rentals camp - Newmont	55.33
Rentals camp - TNTA	167.89
Rentals camp - Falcon	15.26
Rentals camp - Linecutter	3.82
Rentals camp - Guests	9.54
Clerical time	251.84
Reproductions	15.56
Maps and Photos	415.42
Misc. Expenses	29.17
Materials & Supplies	67.26

Expediting	140.99	
Telephone - Long Distance	49.27	
Telephone - Space Tel	1104.94	
Camp Expendibles	133.16	
Camp Materials	446.79	
Camp Food	1079.19	
Camp Propane	110.12	
Camp Diesel	69.72	
Camp Oil	79.18	
Camp Gas	19.81	
Field Expendibles	294.13	
Radio Rentals	368.38	
ATV Rental	72.50	
Equip. Rental	6.94	
Travel/Hotel	172.40	
Travel - Meals	42.65	
Travel - Airfare	1087.53	
Travel - Auto	14.95	
Travel - Misc.	127.79	
Freight - Air	192.13	
Freight - Truck	453.03	
Freight - Courier	66.14	
Freight - Misc.	58.51	
Equipment Repairs	286.57	
Helicopter Fuel	349.78	
Cat - Fuel	552.37	
Drum Deposit	(1008.51)	
Explosives	88.74	
Misc. Expenses	138.34	
Rentals - ATV	110.66	
Rentals - Office	112.18	
Rentals - Generator	381.58	
Rentals - Base Radio	38.16	
Rentals - Pamicon Truck	51.51	
Rentals - Chain Saw	22.89	
Rentals - Survey Equipment	19.08	
Recording Fees	0.76	$8,695.53

DIRECT EXPENSES:

Rental Camp 28 days @ 25.00	700.00	$ 700.00

INDIRECT CHARGE:

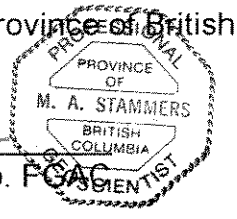
Assays - Chemex Labs	5404.49	
Helicopter - Prorated	498.65	
Helicopter 3 Hrs @ $540	3078.00	
Fixed Wing	5287.90	
Cat Charges	114.47	
Report	3000.00	$17,383.51
Management Fees:		
Direct Charges @ 15%	3520.22	
Direct Charges @ 7%	1216.85	$4,737.07
TOTAL:		**$45,588.72**

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 23 day of January, 1995.



Michael A. Stammers, P.Geo. FGAC

APPENDIX D

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	CO	cobaltite
CP	chalcopyrite	CY	clay
DI	diopside	DO	dolomite
EP	epidote	ER	erythrite
GA	garnet	GE	goethite
GL	galena	GR	graphite
HE	earthy hematite	HS	specularite
JA	jarosite	KF	potassium feldspar
MC	malachite	MG	magnetite
MN	Mn-oxides	MR	mariposite
MS	muscovite/sericite	NE	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

Property : Ursus/TVA NTS : 106 D/16 Date : January 19, 1995

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Bi (ppm)	Co (ppm)	Cu (ppm)	La (ppm)
	34 +70N	Chip	mCB, wKF, sAB						
	26 +65E	Strike Length Exp. : 20 m	Metallics : trPY						
433201	Elevation: 1615 m	Sample Width : 1 m	Secondaries: JA	<5	0.200	2.000	18.00	7	10.00
	Orientation: /	True Width : 1 m	Host : Albite Wernecke breccia with Fe-carbonate						

Comments : Pyrite occures as cubes 1-2cm. in diameter but less than 0.25% of rock, seen in Fe-carbonate veins that cut the breccia

---

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Bi (ppm)	Co (ppm)	Cu (ppm)	La (ppm)
	35 +10N	Chip	sCB, sAB						
	26 +20E	Strike Length Exp. : 20 m	Metallics : trPY						
433202	Elevation: 1595 m	Sample Width : 3 m	Secondaries: wJA	<5	0.200	2.000	48.00	10	10.00
	Orientation: /	True Width : 3 m	Host : Albitic Fe-carbonate bearing Wernecke breccia						

Comments : Rusty weathering albitic Wernecke breccia containing abundant Fe-carbonate, only a trace of pyrite in zone, quartz veins are found in talus nearby

---

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Bi (ppm)	Co (ppm)	Cu (ppm)	La (ppm)
	36 +10N	Chip	wCB, wAB						
	25 +75E	Strike Length Exp. : 40 m	Metallics : trPY						
433203	Elevation: 1545 m	Sample Width : 3 m	Secondaries:	<5	0.200	2.000	12.00	98	100.0
	Fault : 035 / 58 NW	True Width : 3 m	Host : Black phyllite Wernecke breccia weakly altered						

Comments : Contains rare fragments of albite altered rock in breccia, rock is cemented by albite and Fe-carbonate, with virtually fresh fragments of black phyllite

---

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Bi (ppm)	Co (ppm)	Cu (ppm)	La (ppm)
	36 +65N	Chip	wCL, sQZ, mAB						
	25 +20E	Strike Length Exp. : 2 m	Metallics : 1%PY						
433204	Elevation: 1540 m	Sample Width : 1 m	Secondaries: wJA	<5	0.400	2.000	28.00	3	30.00
	Orientation: /	True Width : 1 m	Host : Silicified-albitized zone adjacent to black phyllite						

Comments : Several large boulders next to outcrop so probably outcrop contains veinlets with druzy quartz crystals, silicified-albitized zone adjacent to Wernecke breccia.

Sample No.	UTM :	Type	Alteration	Au (ppb)	Ag (ppm)	Bi (ppm)	Co (ppm)	Cu (ppm)	La (ppm)
	7201813 N	Chip	wCL, mCY						
	534571 E	Strike Length Exp. : 1 m	Metallics : 35%PY						
433205	Elevation: 1435 m	Sample Width : 80 cm	Secondaries: sJA	<5	0.400	2.000	98.00	19	60.00
	Orientation: /	True Width : 80 cm	Host : Pyritic albitic breccia						

Comments : From a 10m. wide bank of very rusty rock rubble along a stream bank with a small zone of outcrop, pyrite forms euhedral pyritohedrons.

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Bi (ppm)	Co (ppm)	Cu (ppm)	La (ppm)
	28 +85N	Chip	wCB, mKF						
	29 +00E	Strike Length Exp. : 15 m	Metallics : trCP, 3%PY						
433206	Elevation: 1850 m	Sample Width : 40 cm	Secondaries: sJA	610	1.400	28.00	118.0	2050	460.0
	Shear zone : 054 / 63 NW	True Width : 40 cm	Host : K-spar, specularite altered Fe-carbonate phyllite						

Comments : Intermittent gossans up to 50cm. wide along lower contact with massive specularite seam, tracable in several outcrops over about 100m. length.

Sample No.	Grid Co-or.											
	28 +90N	Type : Chip	Alteration :	None	Au	Ag	Bi	Co	Cu	La
	29 +00E	Strike Length Exp. : 100 m	Metallics :	95%HS, 1%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433207	Elevation: 1850 m	Sample Width : 2 m	Secondaries:	None	35	0.400	2.000	40.00	131	800.0
	Veining? : 054 / 63 NW	True Width : 1.5 m	Host :	Massive specularite/magnetite layer in Fe-CB phyllite						

Comments : Seam of specularite is about 8m thick, probably replacement along bedding planes in phyllite-Fe-carbonate rock. Rare splashes of malachite on some of the outcrop and a trace of barite. Specularite-quartz veins on strike have similar orientation, tr CP.

Sample No.	Grid Co-or.											
	28 +03N	Type : Chip	Alteration :	mCB, sKF	Au	Ag	Bi	Co	Cu	La
	29 +99E	Strike Length Exp. : 10 m	Metallics :	1%MG, 5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433208	Elevation: 1810 m	Sample Width : 1 m	Secondaries:	wJA	20	0.200	2.000	36.00	213	90.00
	Orientation: /	True Width : 1 m	Host :	Kspar-siderite Wernecke breccia (heterolithic)						

Comments : Contains clasts of magnetite bearing Fe-carbonate in addition to Kspar altered fragments.

Sample No.	Grid Co-or.											
	25 +00N	Type : Chip	Alteration :	sCB, wCL, wKF, wAB	Au	Ag	Bi	Co	Cu	La
	30 +00E	Strike Length Exp. : 30 m	Metallics :	3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433209	Elevation: 1595 m	Sample Width : 3 m	Secondaries:	mLI	<5	0.200	2.000	122.0	30	80.00
	Bedding : 119 / 60 NE	True Width : 2.5 m	Host :	Phyllitic Fe-carbonate bed with disseminated pyrite						

Comments : Seems to be a formational unit but could be selective alteration of a favourable bed

---

Sample No.	Grid Co-or.											
	25 +50N	Type : Chip	Alteration :	mCB, mKF, wMS	Au	Ag	Bi	Co	Cu	La
	27 +50E	Strike Length Exp. : 6 m	Metallics :	1%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433211	Elevation: 1715 m	Sample Width : 6 m	Secondaries:	mJA	<5	0.200	4.000	65.00	15	90.00
	Fault : 080 / 90	True Width : 6 m	Host :	K-spar hornfels (altered Fe-carbonate phyllite) & Bx						

Comments : Sample to test limonitic shear breccia zones 1-3cm. wide, within larger shear fracture zone.

Sample No.	Grid Co-or.											
	21 +40N	Type : Chip	Alteration :	mCB, wCL, mKF	Au	Ag	Bi	Co	Cu	La
	26 +60E	Strike Length Exp. : 1 m	Metallics :	1%CP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433212	Elevation: 1580 m	Sample Width : 1.4 m	Secondaries:	wMC	<5	0.400	2.000	212.0	3280	90.00
	Orientation: /	True Width : 1.4 m	Host :	K-spar altered Fe-carbonate cherty phyllite						

Comments : Zone is probably no wider than 3m. based on talus boulders shed off the ridge.

Sample No.	Grid Co-or.											
	21 +30N	Type :	Alteration :	mQZ	Au	Ag	Bi	Co	Cu	La
	29 +40E	Strike Length Exp. : 0.5 m	Metallics :	0.2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433213	Elevation: 1520 m	Sample Width : 2 m	Secondaries:	mJA	<5	0.200	2.000	22.00	20	20.00
	Orientation: /	True Width : 2 m	Host :	Quartz veined pyritic rusty weathering chert						

Comments : Rusty weathering quartz veined grey-white chert. Located near the helicopter landing site.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		29 +60N	Type :	Float	Alteration :	mQZ						
		31 +90E	Strike Length Exp. :	m	Metallics :	30%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433214	Elevation:	1820 m	Sample Width :	40 cm	Secondaries:	sJA	20	0.600	12.00	19.00	37	30.00
	Orientation:	/	True Width :	40 cm	Host :	Pyritic chert						

Comments : Pyritic chert occurs with Fe-carbonate unit, pyrite appears to be syngenetic type with remobilized blebs. Sample collected from rubble subcrop in ridge, so likely represents outcrop.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		24 +50N	Type :		Alteration :	wCL						
		31 +30E	Strike Length Exp. :	30 m	Metallics :	15%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433215	Elevation:	1520 m	Sample Width :	15 cm	Secondaries:	sLI	15	2.000	10.00	131.0	395	90.00
	Orientation:	/	True Width :	15 cm	Host :	Pyritic black-grey chert +/- argillite						

Comments : Pyritic chert up to 50% pyrite interbedded with black phyllite and Fe-carbonate. Unit appears to be formational unit extending to the west about 250cm.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		29 +45N	Type :	Chip	Alteration :	wCB, wCL, mKF, wSI, mDI?						
		30 +50E	Strike Length Exp. :	1.5 m	Metallics :	1%CP, 5%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433216	Elevation:	1810 m	Sample Width :	1 m	Secondaries:	mJA, mMN, wNE	75	0.200	2.000	156.0	3820	360.0
	Orientation:	/	True Width :	? m	Host :	Hornfels of Fe-carbonate phyllite, magnetite-diopside						

Comments : Black Mn-oxides stain on rocks and jarosite is a useful indication to alteration, rock is cut by magnetite-chalcopyrite-Kspar vein-alteration zones. Some very well mineralized rocks in float, but not in this sample.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		29 +45N	Type :	Chip	Alteration :	mCB, vsKF, wQZ						
		30 +55E	Strike Length Exp. :	8 m	Metallics :	3%CP, 5%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433217	Elevation:	1805 m	Sample Width :	1.8 m	Secondaries:	trAZ, wJA, wMC, wMN	320	0.200	6.000	289.0	17800	110.0
	Fault :	160 / 74 W	True Width :	1.8 m	Host :	Altered Fe-carbonate phyllite						

Comments : Patchy irregular zones of Kspar incipient breccia textured rock cutting hornfelsed Fe-carbonate phyllite. Several directions of faulting seem to follow late magnetite-chalcopyrite zones.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		29 +95N	Type :	Chip	Alteration :	mCB, wCL, wKF, wQZ						
		30 +75E	Strike Length Exp. :	12 m	Metallics :	2%CP, 1%HS, 5%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433218	Elevation:	1825 m	Sample Width :	1 m	Secondaries:	mJA, mMC	160	0.200	24.00	97.00	17100	250.0
	Bed/vn/faul:	057 / 39 NW	True Width :	1 m	Host :	Fe-carbonate phyllite						

Comments : Bedding parallel to fault and vein system. Vein system goes to top of ridge.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		39 +50N	Type :		Alteration :	sCB, sKF						
		31 +25E	Strike Length Exp. :	5 m	Metallics :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
433219	Elevation:	1340 m	Sample Width :	1 m	Secondaries:	mJA	10	0.200	2.000	54.00	1720	20.00
	Orientation:	/	True Width :	1 m	Host :	Kspar and Fe-carbonate alteration zone (intense altn)						

Comments : Weathering of rock has removed chalcopyrite from the outer 2-3cm of the rock, so actual copper grade could be a bit higher. Lots of copper lichen down slope. Zone could be up to 10m wide.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Bi	Co	Cu	La
	28 +05N	Float/grab	mCB, wCL, wMS, mQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	22 +00E	Strike Length Exp. : 2 m	Metallics : 0.25%CP						
433220	Elevation: 1675 m	Sample Width : 40 cm	Secondaries: mAZ, wGE, wMC	<5	0.200	2.000	275.0	14300	20.00
	Orientation: /	True Width : 40 cm	Host : Sheared white-grey chert with quartz veins						

Comments : From sheared chert veined by quartz. Shear zone is probably approximately 40cm wide. Outcrop has been shifted by frost, but is not far travelled float.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Bi	Co	Cu	La
	28 +80N		wCL, mQZ, mSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	20 +75E	Strike Length Exp. : 50 m	Metallics : None						
433221	Elevation: 1760 m	Sample Width : 40 m	Secondaries: None	<5	0.200	2.000	7.000	80	20.00
	Orientation: /	True Width : 35 m	Host : Phyllitic quartzite breccia cemented by quartz						

Comments : Chips from about every 4m along outcrop. The quartzite host rock probably determines the composition of the breccia cement to an extent.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Bi	Co	Cu	La
	28 +50N	Chip	wCB, wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	22 +00E	Strike Length Exp. : 25 m	Metallics : 1/4%CP						
433222	Elevation: 1710 m	Sample Width : 4 m	Secondaries: wAZ, wMC	15	0.200	2.000	119.0	7600	10.00
	Faulting : 141 / 32 NE	True Width : 4 m	Host : White massive chert cut by fracture fault sets						

Comments : Fracture set related to a low angle fault carries the chalcopyrite in Fe-carbonate veinlets and disseminations adjacent to the fracture veinlets.

Sample No.	UTM :	Type	Alteration	Au	Ag	Bi	Co	Cu	La
	7200222 N	Chip	wCL	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	534060 E	Strike Length Exp. : >50 m	Metallics : 1-3%PY						
937651	Elevation: 1440 m	Sample Width : 2.5 m	Secondaries: wGE, sJA	10	0.400	2.000	249.0	25	10.00
	Orientation: /	True Width : >30 m	Host : Quartet - shales pyritic						

Comments : Pyritic, gossanous Quartet at contact with heterolithic breccia. Sample from contact. Jarosite/geothite continuous up slope - creek is Fe stained.

Sample No.	UTM :	Type	Alteration	Au	Ag	Bi	Co	Cu	La
	7200257 N	Chip	wCY, wMS, sSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	534074 E	Strike Length Exp. : >50 m	Metallics : 1-2%PY						
937652	Elevation: 1460 m	Sample Width : 2.5 m	Secondaries: mGE, sJA	105	1.800	12.00	74.00	47	10.00
	FaultingOri: 160 / 30 W	True Width : 2.5 m	Host : Quartet shale						

Comments : Quartz-pyrite zone with associated ferricrete. Silica with boxwork mostly. Silvery pyrite, veining not apparent.

Sample No.	UTM :	Type	Alteration	Au	Ag	Bi	Co	Cu	La
	7200307 N	Grab	mCA, sCL, sKF	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	534090 E	Strike Length Exp. : >30 m	Metallics : 3-5%HS						
937653	Elevation: 1510 m	Sample Width : 2 m	Secondaries: None	<5	0.200	2.000	32.00	3	70.00
	Orientation: /	True Width : 2 m	Host : Heterolithic breccia - chlorite						

Comments : Fine clast heterolithic breccia - clasts generally quite red, matrix is grey/green. Test for feldspar.

Sample No.						Au	Ag	Bi	Co	Cu	La
	UTM :	7200610 N	Type : Float	Alteration :	sCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		534309 E	Strike Length Exp. : m	Metallics :	1-2%CP, 60%MG						
937654	Elevation:	1675 m	Sample Width : 10 cm	Secondaries:	wGE	5	0.200	2.000	12.00	362	280.0
	Orientation:	/	True Width : m	Host :	Gillespie transition						

Comments : Common alteration in float - near ridge top.

Sample No.						Au	Ag	Bi	Co	Cu	La
	UTM :	7200733 N	Type : Chip	Alteration :	sCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		534188 E	Strike Length Exp. : 15 m	Metallics :	tr-1%CP						
937655	Elevation:	1745 m	Sample Width : 5 m	Secondaries:	mGE	<5	0.200	2.000	112.0	780	10.00
	Bedding	: 093 / 38 W	True Width : 5 m	Host :	Gillespie transition - Fe-carbonate zone						

Comments : Ankerite zone within manganese stained siderite. Occurrence on ridge top - west TVA.

Sample No.						Au	Ag	Bi	Co	Cu	La
	UTM :	7201205 N	Type : Float	Alteration :	sCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		534463 E	Strike Length Exp. : m	Metallics :	2-3%PY						
937656	Elevation:	1580 m	Sample Width : m	Secondaries:	mGE	<5	0.200	2.000	34.00	14	30.00
	Orientation:	/	True Width : m	Host :	Fe-carbonate rich homolithic breccia						

Comments : From widespread talus with 1-3% pyrite.

Sample No.						Au	Ag	Bi	Co	Cu	La
	UTM :	7201838 N	Type : Chip	Alteration :	wSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		534543 E	Strike Length Exp. : >50 m	Metallics :	trPY						
937657	Elevation:	1420 m	Sample Width : 2 m	Secondaries:	mGE, sJA	<5	0.400	2.000	12.00	15	170.0
	Joint	: 090 / 60 S	True Width : 2 m	Host :	Brecciated, hornfelsed? sediments.						

Comments :

Sample No.						Au	Ag	Bi	Co	Cu	La
	UTM :	7200684 N	Type : Chip	Alteration :	wCA, wCB, wKF (on clasts)	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		534476 E	Strike Length Exp. : 15 m	Metallics :	trHS						
937658	Elevation:	5875 ft	Sample Width : 1 m	Secondaries:	None	5	0.200	2.000	12.00	11	90.00
	Orientation:	/	True Width : 1 m	Host :	Heterolithic feldspar crystal bearing breccia						

Comments : This breccia is unusual in that it contains numerous feldspar phenocrysts in the matrix. Fault at 045/65 SE. Minor limonite after Fe-carbonate.

Sample No.						Au	Ag	Bi	Co	Cu	La
	UTM :	7200878 N	Type : Chip	Alteration :	wCA, sCL, mKF, wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		534945 E	Strike Length Exp. : 2 m	Metallics :	trCP						
937659	Elevation:	6065 ft	Sample Width : 1 m	Secondaries:	trJA, wLI	25	0.200	2.000	47.00	1090	120.0
	Faulting	: 105 / 45 NE	True Width : 1 m	Host :	Chloritic, f-grained mafic dyke? with several frags						

Comments : Sample duplicate of 546022, 575ppb Au. Check for reproducibility. Located near TVA #1 posts for TVA 5 & 6 claims.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		7200927 N	Type :	Chip	Alteration :	wCB, wCL, sKF	Au	Ag	Bi	Co	Cu	La
		534983 E	Strike Length Exp. :	15 m	Metallics :	1%CP, 5%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937660	Elevation:	5990 ft	Sample Width :	2 m	Secondaries:	trJA	90	0.200	2.000	48.00	2550	230.0
	Vein/fault :	318 / 61 NE	True Width :	2 m	Host :	K-spar altered f.g. mafic dyke in part sheared						

Comments : Sample cuts across magnetite/Fe-carbonate shear vein that is approximately 20cm wide and is mostly feldspar altered mafic dyke? or phyllite? Several pieces of talus in the area contained late barite-fluorite-chalcopyrite-quartz veinlets.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		7201154 N	Type :	Chip	Alteration :	wCB, wQZ	Au	Ag	Bi	Co	Cu	La
		535287 E	Strike Length Exp. :	20 m	Metallics :	1%MG, 30%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937661	Elevation:	5290 ft	Sample Width :	1 m	Secondaries:	1%JA	35	2.600	2.000	38.00	95	340.0
	Orientation:	/	True Width :	1 m	Host :	QZ-PY veined Gillespie trans. cherty stromatolitic DO						

Comments : Pyritic replacement of dolomite and stromatolites. Specularite and magnetite in some of the rock, but not this sample. No chalcopyrite seen. Trace of fluorite along a fracture.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		7201171 N	Type :	Chip	Alteration :	trCA, wQZ	Au	Ag	Bi	Co	Cu	La
		535279 E	Strike Length Exp. :	20 m	Metallics :	trHS, 5%MG, 20%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937662	Elevation:	5270 ft	Sample Width :	2 m	Secondaries:	5%JA	25	0.800	2.000	86.00	244	440.0
	Orientation:	/	True Width :	? m	Host :	Transition group Gillespie domomite-chert						

Comments : The north contact is faulted, looks like the edge of alteration associated with a Wernecke breccia. Pyritic unit is in contact with cherty phyllite with an irregular contact at about 125 deg. and may dip to the south. Located close to 937661.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		7201226 N	Type :	Chip	Alteration :	vsKF	Au	Ag	Bi	Co	Cu	La
		535233 E	Strike Length Exp. :	5 m	Metallics :	3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937663	Elevation:	5135 ft	Sample Width :	1 m	Secondaries:	None	<5	0.400	2.000	77.00	44	60.00
	Bedding/vn :	110 / 85 SW	True Width :	1 m	Host :	Strongly K-spar altered phyllite? cut by spec. veins						

Comments : Trace of malachite on outcrop. More k-feldspar altered part of altered zone, feldspar altered layers are ladder vein hosts for specularite veinlets.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Bi	Co	Cu	La
		7201297 N	Type :	Float	Alteration :	sCB, wKF	Au	Ag	Bi	Co	Cu	La
		535086 E	Strike Length Exp. :	m	Metallics :	3%CP, 2%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
937664	Elevation:	5210 ft	Sample Width :	30 cm	Secondaries:	trMC, 1%LI	15	0.200	2.000	65.00	32300	360.0
	Orientation:	/	True Width :	30 cm	Host :	Hornfels phyllite breccia w. abundant Fe-Carb matrix						

Comments : Contains coarse blebs of chalcopyrite (1cm size). Several more pink clasts, possibly heterolothic, but probably more altered. Rock is weakly magnetic. Located close to helicopter landing site.

APPENDIX E

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 GSC 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 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.

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 - 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.

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
Total Pages : 1
Certificate Date: 20-SEP-94
Invoice No. : I9426125
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9426125

SAMPLE	PREP CODE	Cu %
433217	244 --	1.78
433218	244 --	1.71

CERTIFICATION:

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

A9424530

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

CERTIFICATE A9424530

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

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

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	92	Dry, sieve to -80 mesh
203	4	Dry, sieve to -35 mesh
205	4	Geochem ring to approx 150 mesh
285	96	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	96	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	96	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	96	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	96	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	96	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	96	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	96	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	96	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	96	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	96	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	96	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	96	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	96	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	96	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	96	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	96	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	96	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	96	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	96	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	96	Pb ppm: 24 element, rock & core	AAS	2	10000
582	96	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	96	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	96	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	96	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	96	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	96	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 : 3
Certificate Date: 16-SEP-94
Invoice No. : I9424530
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9424530

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)
00861	201	285	< 5	0.4	2.11	110	< 0.5	< 2	6.73	< 0.5	22	18	110	7.81	0.73	4.12
00862	201	285	< 5	0.8	5.99	330	1.0	< 2	1.50	< 0.5	35	51	252	9.17	1.90	1.63
00863	201	285	< 5	0.8	6.98	590	1.5	< 2	0.47	< 0.5	15	68	108	7.52	2.06	0.75
00938	201	285	120	0.8	4.34	330	< 0.5	< 2	0.82	< 0.5	310	41	132	18.35	0.75	0.71
00939	201	285	15	1.2	6.18	530	1.0	4	0.83	< 0.5	93	53	308	9.80	2.04	0.91
00940	201	285	15	0.2	3.60	2030	< 0.5	< 2	0.78	< 0.5	80	29	1690	10.60	1.21	0.58
00941	201	285	10	0.4	3.03	160	1.0	< 2	4.35	< 0.5	40	23	516	8.19	0.89	2.94
00942	201	285	< 5	0.4	8.24	460	2.5	< 2	0.51	< 0.5	28	69	399	6.26	2.55	1.16
00943	201	285	< 5	0.6	8.96	400	3.0	< 2	0.32	< 0.5	58	72	590	6.03	2.84	1.04
00944	201	285	< 5	0.6	6.84	370	2.0	< 2	0.72	< 0.5	51	64	168	5.04	2.38	0.99
00945	201	285	< 5	0.4	8.17	450	2.0	< 2	0.33	< 0.5	24	70	128	4.34	2.88	1.14
00946	201	285	< 5	0.4	7.47	600	1.5	4	0.78	< 0.5	30	68	115	4.93	2.24	1.09
00947	201	285	< 5	0.6	6.60	450	1.5	< 2	0.23	< 0.5	39	60	95	6.32	1.97	0.97
00948	201	285	< 5	0.8	8.94	400	3.0	< 2	0.19	< 0.5	19	79	171	6.68	3.08	0.94
00949	201	285	10	4.0	6.58	560	1.5	< 2	0.46	< 0.5	84	54	268	7.92	2.29	1.24
00950	201	285	< 5	0.4	5.33	260	1.0	< 2	2.33	< 0.5	35	47	208	9.14	1.79	2.14
001023	201	285	25	< 0.2	9.40	990	1.0	< 2	0.35	< 0.5	37	79	104	6.69	3.91	3.22
001024	201	285	< 5	< 0.2	7.89	1510	1.0	< 2	0.49	< 0.5	30	71	129	6.51	2.69	3.32
001025	201	285	< 5	< 0.2	9.31	570	1.0	< 2	0.27	< 0.5	215	109	1485	9.56	1.17	7.83
001026	201	285	< 5	< 0.2	6.87	430	0.5	< 2	0.21	< 0.5	59	65	188	8.63	1.86	3.05
001027	201	285	< 5	< 0.2	8.10	820	2.0	4	0.43	< 0.5	48	112	22	8.60	2.20	7.46
001028	201	285	< 5	0.4	7.00	480	1.0	< 2	0.24	< 0.5	54	50	26	5.40	1.80	1.52
001029	201	285	< 5	< 0.2	7.81	1010	1.5	< 2	0.47	< 0.5	32	76	84	7.60	2.22	3.59
001030	201	285	< 5	< 0.2	7.06	1020	1.0	< 2	0.56	< 0.5	26	64	52	6.89	2.54	2.58
001031	201	285	< 5	< 0.2	6.16	790	1.0	< 2	0.77	< 0.5	20	60	65	6.56	2.72	1.43
001032	201	285	< 5	< 0.2	7.04	1270	1.0	< 2	1.19	< 0.5	20	71	78	5.70	1.88	1.36
001033	201	285	10	< 0.2	9.49	1540	3.0	< 2	0.88	< 0.5	46	93	251	10.50	3.99	2.14
001034	201	285	< 5	< 0.2	6.86	1190	0.5	< 2	0.37	< 0.5	24	66	10	8.30	4.02	1.50
001035	201	285	< 5	< 0.2	8.10	1300	< 0.5	< 2	0.66	< 0.5	21	68	28	8.60	3.90	1.54
001036	201	285	< 5	< 0.2	8.30	920	< 0.5	< 2	0.72	< 0.5	89	85	70	8.80	2.34	2.60
001037	201	285	50	< 0.2	6.49	1140	< 0.5	< 2	1.06	< 0.5	233	56	163	12.90	1.47	1.14
001038	201	285	50	1.2	6.23	910	< 0.5	12	0.43	< 0.5	70	47	154	11.80	2.71	1.00
001039	201	285	75	0.6	5.93	1020	< 0.5	12	0.48	< 0.5	170	49	206	12.15	2.49	0.94
001040	201	285	45	2.6	3.87	1440	< 0.5	12	3.21	< 0.5	108	30	862	13.95	1.48	2.45
001041	201	285	50	1.4	2.62	1470	< 0.5	8	7.36	< 0.5	89	22	854	12.70	0.53	3.88
001042	201	285	25	0.8	5.16	1130	< 0.5	< 2	1.00	< 0.5	83	52	1030	13.25	0.91	0.99
001043	201	285	5	0.4	2.45	990	< 0.5	< 2	4.80	< 0.5	51	22	351	10.05	0.61	2.94
001044	201	285	65	0.6	1.91	270	< 0.5	< 2	4.84	< 0.5	42	15	262	9.64	0.41	2.75
001045	201	285	10	0.4	1.28	150	< 0.5	< 2	6.83	< 0.5	37	11	119	8.65	0.30	3.75
001046	201	285	5	0.6	1.02	60	< 0.5	< 2	8.33	0.5	44	14	92	6.28	0.19	3.61

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

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

Page Number :1-B
Total Pages :3
Certificate Date: 16-SEP-94
Invoice No. :I9424530
P.O. Number :
Account :BM W

CERTIFICATE OF ANALYSIS A9424530

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		
00861	201	285	>10000	4	0.15	21	710	4	40	0.05	34	< 10	174	< 10		
00862	201	285	7230	7	0.49	49	900	32	61	0.16	67	< 10	218	50		
00863	201	285	860	6	0.88	34	1090	160	106	0.29	97	< 10	226	60		
00938	201	285	>10000	71	1.45	78	2120	2	33	0.08	142	< 10	60	130		
00939	201	285	4100	21	0.80	59	1420	12	37	0.13	96	< 10	168	80		
00940	201	285	>10000	16	0.56	34	2310	2	28	0.08	62	< 10	102	140		
00941	201	285	>10000	6	0.41	33	590	12	33	0.08	41	< 10	284	30		
00942	201	285	4840	7	0.79	41	760	12	53	0.19	87	< 10	132	60		
00943	201	285	3350	12	1.34	76	770	10	54	0.20	106	< 10	122	80		
00944	201	285	6020	5	0.81	45	1110	38	45	0.19	73	< 10	258	60		
00945	201	285	2370	4	0.88	35	680	2	40	0.25	83	< 10	108	60		
00946	201	285	4540	3	1.53	36	1380	6	41	0.20	79	< 10	144	90		
00947	201	285	2780	11	0.72	58	1310	50	63	0.24	78	< 10	268	40		
00948	201	285	825	9	0.62	35	870	20	47	0.23	87	< 10	274	80		
00949	201	285	6670	11	0.76	95	1090	170	94	0.25	76	< 10	602	40		
00950	201	285	8600	6	0.43	48	850	26	40	0.13	61	< 10	392	50		
001023	201	285	1750	3	0.50	25	850	< 2	36	0.26	107	< 10	52	80		
001024	201	285	2430	2	0.66	27	1050	< 2	66	0.22	101	< 10	66	60		
001025	201	285	1995	11	0.41	81	1190	< 2	14	0.25	207	< 10	126	70		
001026	201	285	2030	22	0.58	36	1470	< 2	38	0.20	107	< 10	66	70		
001027	201	285	2440	3	1.50	50	1320	< 2	63	0.36	170	< 10	104	80		
001028	201	285	2080	4	3.20	17	920	4	37	0.13	63	< 10	42	20		
001029	201	285	3540	4	0.80	43	650	< 2	52	0.28	185	< 10	70	60		
001030	201	285	3710	2	0.66	24	2090	< 2	30	0.24	156	< 10	54	60		
001031	201	285	4520	5	0.59	27	1420	< 2	44	0.19	108	< 10	56	70		
001032	201	285	5880	2	2.66	23	1110	< 2	34	0.18	87	< 10	42	40		
001033	201	285	9350	7	0.89	52	2090	< 2	86	0.34	184	< 10	80	110		
001034	201	285	8080	2	0.29	33	760	< 2	18	0.17	77	< 10	56	60		
001035	201	285	4630	3	0.53	28	1670	< 2	49	0.19	103	< 10	70	170		
001036	201	285	5190	13	2.30	62	1570	4	48	0.23	142	< 10	72	180		
001037	201	285	9670	36	2.32	59	2500	< 2	44	0.10	146	< 10	64	140		
001038	201	285	6180	28	0.97	37	1330	2	25	0.13	158	< 10	40	100		
001039	201	285	7700	42	1.11	49	1340	< 2	26	0.14	130	< 10	40	110		
001040	201	285	8420	36	0.48	60	3110	26	36	0.08	126	< 10	40	170		
001041	201	285	>10000	12	0.21	67	970	10	33	0.05	52	< 10	54	20		
001042	201	285	>10000	4	1.62	90	1190	10	70	0.13	70	< 10	84	30		
001043	201	285	>10000	11	0.37	22	1060	10	44	0.06	47	< 10	268	40		
001044	201	285	>10000	6	0.39	17	1570	10	40	0.04	35	< 10	156	20		
001045	201	285	>10000	3	0.22	12	460	18	41	0.03	29	< 10	348	< 10		
001046	201	285	6770	3	0.22	14	200	24	37	0.03	21	< 10	428	< 10		

CERTIFICATION: Ian 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

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

Certificate Date: 16-SEP-94
Invoice No. : I9424530
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9424530

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)
001047	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
001048	201	285	< 5	0.6	1.59	110	< 0.5	< 2	6.93	< 0.5	40	12	201	8.65	0.29	3.97
001049	201	285	25	0.6	6.51	500	1.5	< 2	0.69	< 0.5	94	72	528	7.76	1.91	1.20
001050	201	285	< 5	0.6	7.01	490	1.5	< 2	0.46	< 0.5	105	65	202	8.52	1.95	1.07
001053	201	285	< 5	< 0.2	6.85	5050	< 0.5	< 2	0.30	< 0.5	23	63	59	8.96	2.72	0.72
001054	201	285	< 5	< 0.2	4.70	1100	< 0.5	< 2	1.05	< 0.5	12	47	47	4.65	2.75	0.55
001055	201	285	< 5	0.4	5.28	1060	< 0.5	2	0.54	< 0.5	9	48	25	5.19	2.19	0.58
001056	201	285	< 5	0.2	6.12	980	< 0.5	< 2	0.55	< 0.5	14	59	118	8.41	1.48	0.77
001057	201	285	< 5	0.4	7.23	1190	1.0	< 2	0.56	< 0.5	34	73	140	8.21	2.38	1.28
001058	201	285	10	0.4	7.57	1270	1.0	< 2	0.38	< 0.5	127	77	119	10.55	2.56	1.31
001059	201	285	10	0.4	7.82	1290	1.0	< 2	0.34	< 0.5	38	67	130	7.85	2.98	1.22
001060	201	285	15	< 0.2	6.76	1540	1.0	< 2	0.60	< 0.5	117	59	709	7.54	2.23	1.39
001061	201	285	< 5	0.2	4.31	1000	0.5	< 2	1.05	< 0.5	53	47	108	4.94	1.37	0.50
001062	201	285	< 5	< 0.2	0.76	460	< 0.5	< 2	2.26	< 0.5	13	16	38	0.58	0.28	0.24
001063	201	285	< 5	< 0.2	5.34	610	0.5	< 2	0.19	< 0.5	162	59	873	13.00	1.43	0.49
001064	201	285	< 5	< 0.2	5.77	740	1.0	< 2	0.55	< 0.5	93	59	143	5.57	1.67	0.52
001065	201	285	< 5	< 0.2	7.00	770	1.5	< 2	0.26	< 0.5	97	63	197	5.82	2.20	0.52
001066	201	285	< 5	0.4	6.57	470	1.5	< 2	0.25	< 0.5	60	58	163	5.45	2.25	0.52
001067	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
001068	201	285	< 5	< 0.2	2.54	210	0.5	< 2	1.20	0.5	10	37	22	1.19	0.88	0.35
001069	203	205	< 5	0.2	3.03	250	0.5	< 2	0.64	< 0.5	13	41	26	2.07	1.07	0.31
001070	201	285	< 5	< 0.2	5.67	740	1.0	2	0.36	< 0.5	12	46	31	3.51	1.94	0.34
001071	201	285	< 5	< 0.2	5.75	610	1.0	< 2	1.09	< 0.5	13	55	27	3.41	1.96	0.49
001072	201	285	< 5	< 0.2	5.36	470	1.0	< 2	0.55	< 0.5	10	43	35	4.80	1.61	0.38
001073	201	285	< 5	0.4	6.07	510	1.0	2	0.34	< 0.5	22	61	120	5.49	1.78	0.57
001074	201	285	< 5	< 0.2	5.67	550	1.0	< 2	0.70	< 0.5	12	44	40	4.77	2.18	0.38
001075	201	285	< 5	0.6	4.63	500	1.0	< 2	0.55	< 0.5	20	35	26	1.95	1.68	0.30
001076	201	285	< 5	< 0.2	2.40	420	< 0.5	< 2	1.06	< 0.5	124	21	326	>25.0	0.55	1.01
001077	201	285	< 5	< 0.2	7.84	760	2.0	< 2	0.51	< 0.5	145	84	122	6.71	2.49	0.69
001078	203	205	< 5	0.2	1.39	130	< 0.5	< 2	0.17	< 0.5	7	15	8	0.65	0.51	0.12
001079	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
001080	201	285	< 5	< 0.2	7.58	730	1.5	< 2	0.43	< 0.5	20	74	224	3.23	2.61	0.59
001081	201	285	< 5	< 0.2	8.86	1150	1.5	< 2	0.45	< 0.5	26	87	250	3.48	3.05	0.68
001082	201	285	15	0.4	4.95	260	< 0.5	< 2	0.44	< 0.5	155	44	106	10.40	0.95	0.50
001083	201	285	25	0.4	6.18	400	0.5	< 2	0.45	< 0.5	146	58	474	12.35	1.16	1.01
001084	201	285	45	< 0.2	6.93	1290	2.0	< 2	0.53	< 0.5	77	66	641	8.73	1.73	1.09
001085	201	285	10	< 0.2	7.05	2460	0.5	< 2	0.64	< 0.5	50	68	145	8.04	2.59	1.38
001086	201	285	10	< 0.2	7.35	1420	1.0	< 2	0.50	< 0.5	69	66	135	7.87	2.56	1.59
001087	201	285	5	< 0.2	6.89	450	1.0	< 2	0.37	< 0.5	88	62	49	6.27	1.68	1.03
001088	201	285	< 5	< 0.2	7.20	870	1.0	< 2	0.36	< 0.5	62	71	254	8.58	2.36	1.19

CERTIFICATION:

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 : 2-B
Total Pages : 3
Certificate Date: 16-SEP-94
Invoice No. : I9424530
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9424530

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		
001047	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
001048	201	285	>10000	5	0.29	17	410	48	41	0.04	32	< 10	580	< 10		
001049	201	285	>10000	4	0.89	89	960	8	110	0.32	86	< 10	100	80		
001050	201	285	>10000	6	0.90	69	1980	36	79	0.29	86	< 10	340	130		
001053	201	285	>10000	< 1	1.14	17	860	2	30	0.14	73	< 10	40	30		
001054	201	285	5980	< 1	0.79	19	2220	4	29	0.13	55	< 10	42	40		
001055	201	285	3020	2	1.01	10	1110	4	43	0.18	84	< 10	46	40		
001056	201	285	5220	< 1	1.85	13	1700	12	32	0.14	81	< 10	68	70		
001057	201	285	6680	4	1.19	38	1110	12	56	0.18	88	< 10	68	60		
001058	201	285	5260	6	1.14	62	880	8	44	0.25	89	< 10	56	80		
001059	201	285	4760	7	1.24	36	890	10	31	0.18	83	< 10	58	70		
001060	201	285	5970	11	1.46	51	1150	8	37	0.17	87	< 10	106	80		
001061	201	285	5200	10	0.73	28	1680	8	37	0.11	73	< 10	68	80		
001062	201	285	1945	1	0.14	7	2020	4	26	0.02	11	< 10	88	20		
001063	201	285	>10000	7	0.71	66	1930	16	39	0.17	75	< 10	168	60		
001064	201	285	>10000	6	0.84	45	2070	12	76	0.24	83	< 10	80	40		
001065	201	285	>10000	2	1.15	47	1430	4	43	0.21	68	< 10	68	40		
001066	201	285	8830	1	0.52	40	1320	18	40	0.21	61	< 10	288	50		
001067	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
001068	201	285	1030	< 1	0.34	10	1230	8	52	0.12	32	< 10	92	30		
001069	203	205	1865	< 1	0.31	17	1300	8	45	0.14	37	< 10	208	20		
001070	201	285	1135	2	0.44	20	1010	10	46	0.16	58	< 10	256	20		
001071	201	285	2340	1	0.46	24	770	14	68	0.18	58	< 10	232	40		
001072	201	285	3550	< 1	0.51	12	1250	8	46	0.18	66	< 10	94	30		
001073	201	285	2740	3	0.67	43	790	8	80	0.24	72	< 10	88	40		
001074	201	285	5250	< 1	0.33	19	860	4	45	0.11	48	< 10	136	40		
001075	201	285	6800	< 1	0.49	9	1210	20	61	0.16	51	< 10	148	30		
001076	201	285	>10000	1	0.16	46	590	4	86	0.06	88	< 10	94	60		
001077	201	285	9960	2	0.78	43	940	10	161	0.33	95	< 10	68	60		
001078	203	205	525	< 1	0.16	2	1510	< 2	31	0.07	16	< 10	66	10		
001079	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
001080	201	285	1280	1	0.70	18	870	6	91	0.21	85	< 10	64	60		
001081	201	285	1575	< 1	0.65	21	850	4	89	0.21	91	< 10	58	80		
001082	201	285	4330	16	1.48	34	2570	4	35	0.10	98	< 10	90	80		
001083	201	285	6270	18	1.62	55	1830	16	47	0.13	112	< 10	74	70		
001084	201	285	5840	8	1.39	96	1640	12	68	0.20	87	< 10	94	140		
001085	201	285	6550	4	1.19	49	1780	4	53	0.18	84	< 10	76	150		
001086	201	285	5720	12	0.99	50	1380	2	54	0.20	98	< 10	58	110		
001087	201	285	4210	17	1.59	53	1260	4	66	0.18	81	< 10	66	70		
001088	201	285	5960	17	1.16	62	1870	12	58	0.22	104	< 10	68	80		

CERTIFICATION: Ian 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 :3-A
Total Pages :3
Certificate Date: 16-SEP-94
Invoice No. :I9424530
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9424530

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)
001089	203	205	< 5	< 0.2	5.51	830	< 0.5	< 2	0.52	< 0.5	20	81	12	6.33	3.83	0.83
001090	201	285	< 5	< 0.2	5.30	770	0.5	< 2	0.80	< 0.5	28	49	57	6.14	2.41	1.20
001091	201	285	< 5	< 0.2	8.18	4490	1.5	< 2	0.79	< 0.5	14	56	18	3.08	2.01	0.96
001092	201	285	< 5	< 0.2	7.01	1330	1.0	< 2	0.74	< 0.5	9	70	9	4.41	1.77	0.80
001093	201	285	< 5	< 0.2	8.63	500	1.5	4	0.21	< 0.5	43	66	189	4.27	2.59	1.77
001094	201	285	< 5	< 0.2	9.01	560	1.5	< 2	0.42	< 0.5	16	71	18	4.27	2.58	2.47
001095	201	285	< 5	< 0.2	8.67	730	2.0	< 2	0.45	< 0.5	27	68	116	4.18	2.24	1.00
001096	201	285	< 5	< 0.2	8.74	730	1.5	< 2	0.45	< 0.5	50	77	149	5.42	2.01	1.76
001097	201	285	< 5	< 0.2	8.66	620	1.0	< 2	0.28	< 0.5	25	74	52	7.08	2.79	3.80
001098	201	285	60	< 0.2	6.30	1100	0.5	< 2	0.31	< 0.5	28	104	107	7.65	2.28	2.24
001099	203	205	< 5	< 0.2	4.77	1190	< 0.5	< 2	0.49	< 0.5	26	73	40	6.40	2.06	1.46
001100	201	285	1030	1.6	4.17	170	0.5	< 2	0.78	1.0	7	107	86	2.71	1.08	0.26
000972	201	285	< 5	1.0	6.08	480	1.5	< 2	1.77	< 0.5	23	82	70	4.20	2.65	1.39
000973	201	285	< 5	1.4	5.87	480	1.5	< 2	0.86	< 0.5	28	40	127	4.84	2.34	0.85
000974	201	285	< 5	0.6	7.29	600	3.0	< 2	0.56	< 0.5	237	85	1595	8.78	2.04	0.60
000975	201	285	< 5	< 0.2	7.58	480	2.5	< 2	0.64	< 0.5	209	93	539	6.57	2.32	0.56
000977	201	285	< 5	1.8	5.68	670	1.0	6	0.83	< 0.5	110	37	507	7.26	2.26	0.94
000978	201	285	< 5	0.4	9.59	810	2.0	< 2	0.22	< 0.5	19	98	48	3.29	3.23	0.59
000979	201	285	< 5	1.0	6.44	380	2.0	< 2	1.36	< 0.5	34	40	155	5.07	2.84	1.30

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

Certificate Date: 16-SEP-94
Invoice No. : I9424530
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9424530

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		
001089	203	205	4540	2	0.47	24	2180	< 2	40	0.18	77	< 10	76	30		
001090	201	285	4360	3	0.39	21	1960	< 2	36	0.19	107	< 10	66	70		
001091	201	285	2730	< 1	3.99	11	1140	< 2	154	0.15	64	< 10	24	30		
001092	201	285	1745	1	2.10	7	1650	< 2	31	0.13	129	< 10	48	30		
001093	201	285	1770	33	1.02	34	1040	< 2	33	0.20	109	< 10	38	30		
001094	201	285	1765	5	0.84	16	1170	< 2	29	0.19	111	< 10	48	30		
001095	201	285	2900	5	3.30	32	1020	< 2	30	0.14	104	< 10	42	20		
001096	201	285	2910	2	3.03	38	1090	< 2	35	0.18	121	< 10	52	40		
001097	201	285	1875	< 1	0.57	32	990	< 2	39	0.20	125	< 10	64	70		
001098	201	285	5320	5	0.37	32	2050	< 2	33	0.22	204	< 10	72	40		
001099	203	205	4740	2	0.35	27	2880	4	45	0.14	100	< 10	82	30		
001100	201	285	200	15	0.18	39	1760	164	182	0.20	624	< 10	220	20		
000972	201	285	5050	3	0.34	33	670	80	40	0.16	46	< 10	900	60		
000973	201	285	4260	2	0.52	35	850	60	38	0.16	45	< 10	694	50		
000974	201	285	8950	4	0.66	125	1660	18	79	0.32	90	< 10	74	130		
000975	201	285	>10000	2	0.45	91	1910	18	52	0.26	78	< 10	74	110		
000977	201	285	8350	4	0.49	59	820	62	50	0.19	58	< 10	240	50		
000978	201	285	985	< 1	0.63	20	730	4	80	0.31	94	< 10	68	60		
000979	201	285	6090	2	0.35	42	660	46	37	0.15	46	< 10	414	60		

CERTIFICATION: Stan Bucholz

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

A9424845

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

CERTIFICATE A9424845

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

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

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-SEP-94
Invoice No. : I9424845
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9424845

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)
433220	205	294	< 5	< 0.2	2.42	130	< 0.5	< 2	0.75	< 0.5	275	198	>10000	2.37	0.83	0.67
433221	205	294	< 5	< 0.2	2.81	90	< 0.5	< 2	0.22	< 0.5	7	216	80	1.23	0.88	1.19
433222	205	294	15	< 0.2	0.46	20	< 0.5	< 2	0.02	1.0	119	274	7600	1.79	0.09	0.27

CERTIFICATION: Ian Bradley

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

Page Number :1-B
Total Pages :1
Certificate Date: 19-SEP-94
Invoice No. :I9424845
P.O. Number :
Account :BM W

CERTIFICATE OF ANALYSIS A9424845

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		
433220	205	294	1030	10	0.09	82	650	2	8	0.06	14	< 10	36	20		
433221	205	294	65	2	0.07	11	1250	< 2	6	0.04	21	< 10	18	20		
433222	205	294	170	27	0.03	30	90	< 2	4	0.01	8	< 10	22	< 10		

CERTIFICATION:

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

A9424142

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

CERTIFICATE A9424142

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHALD-UT
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	9	Geochem ring to approx 150 mesh
226	9	0-5 lb crush and split
285	10	ICP - HF digestion charge
214	1	Rcvd as pulp; mesh size checked

* 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	10	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	10	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	10	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	10	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	10	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	10	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	10	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	10	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	10	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	10	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	10	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	10	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	10	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	10	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	10	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	10	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	10	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	10	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	10	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	10	Pb ppm: 24 element, rock & core	AAS	2	10000
582	10	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	10	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	10	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	10	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	10	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	10	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: 12-SEP-94
Invoice No. : I9424142
P.O. Number :
Account : BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424142

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)
433201	205	226	< 5	0.2	6.73	50	1.0	< 2	5.36	< 0.5	18	47	7	1.65	0.29	2.54
433202	205	226	< 5	< 0.2	6.26	1160	0.5	< 2	6.62	< 0.5	48	63	10	1.86	0.19	3.01
433203	205	226	< 5	0.2	8.38	500	2.0	< 2	2.32	< 0.5	12	116	98	1.74	2.02	1.01
433204	205	226	< 5	0.4	5.86	600	2.0	< 2	0.25	0.5	28	116	3	2.38	1.99	3.40
433205	205	226	< 5	0.4	6.23	40	1.0	< 2	0.07	0.5	98	86	19	8.14	0.13	5.81
433206	205	226	610	1.4	2.41	190	< 0.5	28	0.29	0.5	118	81	2050	17.45	1.30	0.44
433207	205	226	35	0.4	0.98	1460	< 0.5	< 2	3.16	1.5	40	37	131	14.85	0.23	1.32
433208	205	226	20	< 0.2	7.03	3520	0.5	< 2	4.07	0.5	36	75	213	5.41	5.53	0.77
433209	205	226	< 5	0.2	6.82	240	2.0	< 2	4.39	< 0.5	122	84	30	5.96	2.12	1.53
433210	285	214	140	0.4	3.91	1490	0.5	2	1.42	1.0	9	105	97	3.17	1.17	0.55

CERTIFICATION: Dan 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: 12-SEP-94
Invoice No. :I9424142
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424142

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		
433201	205	226	1330	< 1	5.26	11	1080	< 2	33	0.08	23	< 10	2	< 10		
433202	205	226	1520	< 1	5.06	13	1410	< 2	83	0.07	22	< 10	2	10		
433203	205	226	1785	3	4.12	14	710	< 2	23	0.24	109	< 10	6	100		
433204	205	226	55	4	0.24	28	740	< 2	7	0.18	92	< 10	14	30		
433205	205	226	90	< 1	0.28	15	300	< 2	3	0.03	18	< 10	8	60		
433206	205	226	290	174	0.08	32	2020	< 2	470	0.06	52	< 10	8	460		
433207	205	226	2880	50	0.05	15	1080	< 2	341	0.01	12	< 10	18	800		
433208	205	226	5280	74	1.39	15	1100	< 2	132	0.12	67	10	< 2	90		
433209	205	226	5110	14	2.42	35	990	< 2	44	0.22	119	30	12	80		
433210	285	214	240	13	0.15	39	1290	14	96	0.19	292	20	98	30		

CERTIFICATION: Ian 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

A9424140

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

CERTIFICATE A9424140

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHALD-UT
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	78	Dry, sieve to -80 mesh
217	1	Geochem ring entire sample
285	79	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	79	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	79	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	79	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	79	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	79	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	79	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	79	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	79	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	79	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	79	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	79	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	79	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	79	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	79	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	79	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	79	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	79	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	79	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	79	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	79	Pb ppm: 24 element, rock & core	AAS	2	10000
582	79	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	79	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	79	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	79	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	79	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	79	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

Certificate Date: 12-SEP-94
Invoice No. :I9424140
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424140

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)
000764	201 285	50	< 0.2	4.93	4030	0.5	< 2	0.82	< 0.5	58	36	1050	6.86	2.87	0.65
000765	201 285	75	< 0.2	4.23	2770	0.5	< 2	1.20	< 0.5	74	31	1015	5.99	1.84	0.63
000766	201 285	75	< 0.2	6.97	2340	1.5	< 2	0.57	< 0.5	66	59	1345	7.30	3.31	1.12
000767	201 285	70	< 0.2	6.40	1380	< 0.5	2	0.20	< 0.5	100	52	734	8.50	4.76	0.58
000768	201 285	25	< 0.2	7.38	1620	< 0.5	2	0.24	< 0.5	122	58	882	9.96	5.40	0.68
000769	201 285	270	< 0.2	5.79	1970	0.5	4	0.47	< 0.5	585	46	3780	12.50	2.44	1.10
000770	201 285	90	< 0.2	4.94	2850	0.5	124	0.67	< 0.5	112	34	8320	10.50	2.02	0.91
000771	201 285	95	< 0.2	5.48	1820	1.0	< 2	0.58	< 0.5	87	38	1100	8.10	3.15	0.76
000772	201 285	300	< 0.2	4.51	2480	< 0.5	6	0.36	< 0.5	207	42	2060	19.05	2.03	1.01
000773	201 285	20	0.8	1.36	910	< 0.5	< 2	5.67	< 0.5	63	13	119	7.35	0.57	3.34
000774	201 285	30	2.0	1.12	460	< 0.5	8	0.75	< 0.5	97	7	288	14.25	0.22	0.49
000775	217 285	265	0.4	6.69	2080	1.5	< 2	3.40	< 0.5	9	57	31	2.59	2.19	0.89
000783	201 285	50	< 0.2	7.46	2280	1.5	< 2	0.26	< 0.5	58	58	1335	7.72	3.58	1.18
000784	201 285	35	< 0.2	7.85	2010	1.5	< 2	0.29	< 0.5	39	62	1090	6.77	3.90	1.14
000785	201 285	30	< 0.2	6.78	1450	1.0	< 2	0.31	< 0.5	38	53	531	7.38	3.47	1.11
000786	201 285	10	< 0.2	8.11	1280	1.0	< 2	0.44	< 0.5	34	68	106	8.51	2.80	2.78
000787	201 285	25	0.8	6.30	1480	1.0	< 2	0.41	< 0.5	48	55	187	9.40	1.97	3.37
000788	201 285	< 5	< 0.2	6.14	1670	0.5	< 2	0.64	< 0.5	28	59	66	7.36	2.30	1.38
000789	201 285	5	< 0.2	7.25	2820	0.5	2	0.24	< 0.5	30	63	84	8.52	3.53	2.01
000790	201 285	< 5	< 0.2	9.42	860	1.0	4	0.35	< 0.5	17	63	40	7.02	4.00	2.40
000791	201 285	5	< 0.2	7.99	2380	2.0	< 2	0.24	< 0.5	22	67	17	7.07	3.09	3.24
000801	201 285	< 5	< 0.2	7.15	400	1.0	< 2	0.24	< 0.5	13	61	23	3.02	2.06	1.07
000802	201 285	< 5	< 0.2	7.21	340	1.0	< 2	0.15	< 0.5	6	56	14	2.14	2.47	1.09
000803	201 285	< 5	< 0.2	6.52	360	1.0	< 2	0.17	< 0.5	7	58	15	2.67	2.02	0.95
000804	201 285	< 5	< 0.2	6.89	500	1.0	< 2	0.23	< 0.5	6	68	21	3.82	1.49	0.61
000805	201 285	< 5	< 0.2	7.24	450	1.0	< 2	0.28	< 0.5	10	62	22	2.60	2.26	1.06
000806	201 285	< 5	< 0.2	7.17	590	1.5	< 2	0.51	< 0.5	13	64	34	2.95	2.07	0.99
000807	201 285	< 5	< 0.2	6.83	580	1.0	2	0.45	< 0.5	12	60	41	3.05	2.11	1.02
000808	201 285	< 5	< 0.2	7.47	550	1.5	< 2	0.33	< 0.5	16	63	55	3.17	2.26	1.01
000809	201 285	< 5	< 0.2	6.65	510	1.0	< 2	0.24	< 0.5	11	57	38	2.82	1.84	0.71
000810	201 285	< 5	< 0.2	6.42	400	1.0	< 2	0.23	< 0.5	7	59	27	3.20	1.22	0.48
000811	201 285	< 5	< 0.2	7.20	580	1.5	2	0.39	0.5	14	61	41	3.00	1.70	0.77
000812	201 285	< 5	< 0.2	7.36	690	1.5	< 2	0.47	< 0.5	11	66	41	3.35	1.86	0.73
000813	201 285	< 5	< 0.2	6.93	610	1.0	< 2	0.40	< 0.5	10	66	38	3.51	1.63	0.59
000814	201 285	< 5	< 0.2	7.59	580	2.0	2	0.41	< 0.5	19	63	101	3.30	1.54	0.73
000815	201 285	< 5	< 0.2	7.27	350	1.5	4	0.29	< 0.5	17	59	100	2.79	1.18	0.66
000816	201 285	< 5	< 0.2	8.35	530	1.5	< 2	0.32	< 0.5	36	70	200	3.52	1.45	0.81
000817	201 285	< 5	0.6	7.15	630	1.5	4	0.38	< 0.5	26	64	356	7.06	1.43	0.92
000818	201 285	< 5	< 0.2	7.35	670	1.5	< 2	0.60	< 0.5	45	57	267	4.85	1.38	0.76
000819	201 285	< 5	< 0.2	7.93	590	2.5	< 2	0.34	< 0.5	31	72	100	4.35	1.40	1.36

CERTIFICATION: Stewart Buchan

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

Certificate Date: 12-SEP-94
Invoice No. :I9424140
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424140

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		
000764	201	285	9610	12	0.22	25	1620	< 2	35	0.12	44	< 10	36	70		
000765	201	285	6180	20	0.27	21	2000	< 2	45	0.13	48	< 10	48	110		
000766	201	285	6160	23	0.33	31	1490	< 2	30	0.17	71	< 10	32	100		
000767	201	285	4030	22	0.26	24	1840	< 2	31	0.14	73	< 10	30	110		
000768	201	285	4920	28	0.30	30	2060	< 2	36	0.17	85	< 10	35	130		
000769	201	285	>10000	101	0.22	52	2360	< 2	64	0.12	74	< 10	42	200		
000770	201	285	9880	74	0.19	40	3280	< 2	308	0.13	69	< 10	30	120		
000771	201	285	7180	46	0.27	31	1440	< 2	29	0.14	64	< 10	60	130		
000772	201	285	9540	57	0.23	49	1640	< 2	256	0.11	226	< 10	42	500		
000773	201	285	7350	7	0.04	17	3020	4	28	0.02	35	< 10	24	20		
000774	201	285	>10000	12	0.07	25	3370	8	11	0.01	24	< 10	34	20		
000775	217	285	445	2	0.96	29	800	12	213	0.30	111	10	114	40		
000783	201	285	3790	18	0.40	35	1490	< 2	24	0.16	75	< 10	40	130		
000784	201	285	2460	15	0.44	27	1490	< 2	27	0.18	78	< 10	34	110		
000785	201	285	3530	10	0.57	29	1090	< 2	25	0.19	70	< 10	28	90		
000786	201	285	4750	12	0.37	52	1300	< 2	18	0.19	126	< 10	50	60		
000787	201	285	6900	17	0.29	41	1310	22	20	0.17	125	< 10	48	50		
000788	201	285	6170	3	0.34	25	2490	< 2	29	0.16	95	< 10	52	50		
000789	201	285	5060	18	0.27	39	1290	< 2	31	0.15	100	< 10	56	120		
000790	201	285	2730	4	0.28	24	950	< 2	14	0.18	94	< 10	32	80		
000791	201	285	6220	3	0.31	39	750	< 2	17	0.22	80	< 10	30	50		
000801	201	285	535	< 1	0.87	18	1130	2	51	0.21	81	< 10	52	40		
000802	201	285	185	3	0.52	13	590	< 2	39	0.18	64	< 10	30	60		
000803	201	285	260	1	0.51	13	630	4	41	0.23	77	< 10	40	50		
000804	201	285	290	2	1.05	15	960	6	60	0.31	112	< 10	68	30		
000805	201	285	315	< 1	0.75	20	580	2	63	0.23	77	< 10	48	60		
000806	201	285	385	1	1.22	27	740	4	109	0.30	93	< 10	56	60		
000807	201	285	365	< 1	0.89	25	720	4	99	0.32	90	< 10	56	60		
000808	201	285	580	< 1	1.06	28	640	4	75	0.27	84	< 10	50	40		
000809	201	285	460	< 1	1.14	18	770	4	56	0.25	83	< 10	50	50		
000810	201	285	420	1	1.90	15	1350	4	57	0.22	92	< 10	68	30		
000811	201	285	425	< 1	1.65	26	650	6	93	0.31	89	< 10	82	60		
000812	201	285	520	2	1.28	27	910	16	109	0.35	109	< 10	138	40		
000813	201	285	450	1	1.28	24	850	10	96	0.34	110	< 10	84	40		
000814	201	285	615	3	2.16	50	740	12	92	0.29	88	< 10	98	60		
000815	201	285	465	5	3.00	50	970	8	49	0.22	80	< 10	74	40		
000816	201	285	1100	1	2.51	64	1040	14	76	0.23	91	< 10	88	40		
000817	201	285	740	12	2.20	88	1300	30	84	0.22	91	< 10	74	130		
000818	201	285	2580	5	2.33	112	1240	12	72	0.20	81	< 10	60	50		
000819	201	285	2120	4	2.37	79	1220	16	58	0.23	107	< 10	74	80		

CERTIFICATION: Heath 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

Page Number :2-A
Total Pages :2
Certificate Date: 12-SEP-94
Invoice No. :I9424140
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424140

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)
000820	201 285	< 5	< 0.2	7.77	700	2.0	< 2	0.34	< 0.5	30	69	87	3.24	1.53	1.24
000821	201 285	< 5	< 0.2	7.10	570	1.0	< 2	0.37	< 0.5	22	72	30	4.83	1.73	0.82
000822	201 285	< 5	< 0.2	5.65	580	0.5	< 2	0.25	< 0.5	4	67	24	3.24	1.36	0.47
000823	201 285	< 5	< 0.2	6.01	160	0.5	< 2	0.19	< 0.5	4	49	15	1.61	0.58	0.22
000824	201 285	< 5	< 0.2	6.52	280	1.0	< 2	0.18	< 0.5	4	61	22	2.60	1.04	0.45
000825	201 285	< 5	< 0.2	7.31	500	1.0	< 2	0.35	< 0.5	8	65	26	3.02	1.23	0.62
000826	201 285	< 5	< 0.2	7.26	540	1.0	< 2	0.40	< 0.5	8	63	30	3.12	1.34	0.69
000827	201 285	< 5	< 0.2	6.41	220	1.0	< 2	0.22	< 0.5	3	50	23	1.38	0.95	0.34
000828	201 285	< 5	< 0.2	6.57	360	1.0	< 2	0.29	< 0.5	9	53	32	2.65	1.03	0.54
000829	201 285	< 5	< 0.2	6.74	310	1.0	< 2	0.23	< 0.5	2	60	19	1.28	0.99	0.34
000830	201 285	< 5	< 0.2	6.52	350	0.5	< 2	0.22	< 0.5	4	51	16	1.90	1.16	0.35
000831	201 285	< 5	< 0.2	6.68	380	0.5	6	0.23	< 0.5	8	55	26	2.60	1.27	0.44
000832	201 285	< 5	< 0.2	7.23	640	1.0	4	0.28	< 0.5	33	58	89	5.27	1.31	0.87
000833	201 285	< 5	< 0.2	5.93	510	0.5	2	0.25	< 0.5	29	53	80	4.63	1.06	0.76
000834	201 285	< 5	< 0.2	5.69	950	0.5	< 2	0.50	< 0.5	16	50	61	5.60	1.09	0.70
000835	201 285	< 5	< 0.2	4.56	1530	< 0.5	< 2	0.89	< 0.5	31	35	95	8.63	1.21	1.10
000836	201 285	< 5	< 0.2	4.18	2080	< 0.5	< 2	0.84	< 0.5	24	39	333	9.81	0.91	0.79
000837	201 285	< 5	< 0.2	4.72	1910	< 0.5	< 2	0.68	< 0.5	43	41	461	13.55	1.10	0.72
000838	201 285	5	< 0.2	4.21	1520	< 0.5	< 2	0.96	< 0.5	32	38	313	11.25	1.05	0.62
000839	201 285	20	0.4	5.54	1880	0.5	< 2	0.40	< 0.5	66	43	411	8.64	1.91	1.27
000840	201 285	< 5	0.4	5.46	1600	0.5	< 2	0.56	< 0.5	53	55	190	9.04	1.11	0.96
000841	201 285	< 5	0.6	5.34	2140	< 0.5	< 2	0.61	< 0.5	53	51	277	12.25	1.10	0.99
000842	201 285	< 5	0.4	6.35	1140	0.5	8	0.69	< 0.5	47	55	276	7.99	1.14	0.84
000843	201 285	< 5	< 0.2	6.04	2370	1.0	< 2	0.72	< 0.5	126	48	1035	8.57	1.26	0.98
000844	201 285	< 5	0.2	4.44	1290	0.5	< 2	0.83	< 0.5	70	36	326	8.84	1.57	1.20
000845	201 285	15	< 0.2	4.32	820	0.5	8	0.43	< 0.5	74	34	224	9.49	1.40	0.97
000846	201 285	10	< 0.2	7.62	680	1.0	8	0.56	< 0.5	37	56	144	7.59	2.50	1.82
000847	201 285	< 5	0.4	4.96	1230	0.5	4	0.96	< 0.5	79	39	346	9.15	1.74	1.40
000850	201 285	400	1.8	2.97	2480	< 0.5	4	0.33	1.0	5	82	118	1.32	0.88	0.17
000851	201 285	< 5	< 0.2	6.85	670	0.5	4	0.42	< 0.5	16	67	203	4.93	1.55	0.63
000852	201 285	< 5	< 0.2	4.97	600	< 0.5	2	1.17	< 0.5	13	45	113	6.18	0.78	0.77
000853	201 285	< 5	0.4	6.67	570	0.5	< 2	0.52	< 0.5	99	56	400	6.20	1.39	0.61
000854	201 285	< 5	< 0.2	6.63	420	< 0.5	2	0.35	< 0.5	43	56	144	4.54	1.23	0.61
000855	201 285	< 5	1.0	6.98	450	< 0.5	8	0.33	< 0.5	13	70	332	7.37	1.13	0.89
000856	201 285	30	< 0.2	6.16	1620	< 0.5	4	0.61	< 0.5	214	48	792	9.97	2.25	0.64
000857	201 285	20	< 0.2	5.81	2740	< 0.5	2	0.60	< 0.5	175	47	410	10.90	2.04	0.60
000858	201 285	< 5	< 0.2	6.24	1320	< 0.5	< 2	0.62	< 0.5	50	46	345	7.16	2.23	0.54
000859	201 285	< 5	< 0.2	6.67	1670	< 0.5	< 2	0.65	< 0.5	46	51	206	6.23	2.49	0.57
000860	201 285	< 5	< 0.2	7.00	1820	1.0	< 2	0.55	< 0.5	37	55	117	6.02	2.98	0.62

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

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number :2-B
Total Pages :2
Certificate Date: 12-SEP-94
Invoice No. :I9424140
P.O. Number :
Account :BM W

CERTIFICATE OF ANALYSIS A9424140

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		
000820	201 285	1540	4	2.00	56	750	8	57	0.29	94	< 10	58	110		
000821	201 285	1175	3	0.87	26	680	4	85	0.36	107	< 10	88	40		
000822	201 285	270	3	0.60	14	520	6	69	0.42	155	< 10	62	30		
000823	201 285	160	1	4.49	8	460	< 2	32	0.28	72	< 10	32	20		
000824	201 285	245	3	3.40	13	690	< 2	34	0.26	108	< 10	40	20		
000825	201 285	490	3	2.12	18	870	6	78	0.29	112	< 10	80	30		
000826	201 285	515	2	2.08	19	720	6	89	0.32	117	< 10	76	40		
000827	201 285	210	1	3.57	11	770	< 2	32	0.18	76	< 10	32	20		
000828	201 285	630	3	2.25	18	1040	< 2	59	0.22	88	< 10	60	30		
000829	201 285	220	3	4.18	9	560	< 2	37	0.29	101	< 10	36	20		
000830	201 285	245	4	2.60	9	490	< 2	40	0.34	111	< 10	42	30		
000831	201 285	450	2	2.68	13	680	< 2	45	0.29	101	< 10	44	30		
000832	201 285	1575	6	2.36	26	1120	< 2	53	0.20	86	< 10	70	40		
000833	201 285	1165	5	1.52	21	860	< 2	57	0.25	94	< 10	58	40		
000834	201 285	5270	3	1.56	14	1050	< 2	60	0.24	94	< 10	60	30		
000835	201 285	7870	12	0.82	15	2200	< 2	28	0.11	81	< 10	48	60		
000836	201 285	8040	8	0.60	52	2370	4	38	0.11	66	< 10	60	30		
000837	201 285	>10000	10	0.75	72	1260	4	41	0.11	78	< 10	90	30		
000838	201 285	>10000	6	0.67	37	1350	< 2	47	0.11	68	< 10	92	30		
000839	201 285	6590	12	0.89	41	1020	4	26	0.12	69	< 10	46	60		
000840	201 285	8730	7	1.30	35	1200	6	50	0.16	83	< 10	52	40		
000841	201 285	>10000	14	0.90	51	1290	14	53	0.15	99	< 10	74	40		
000842	201 285	5290	14	1.79	36	1320	14	53	0.15	105	< 10	64	40		
000843	201 285	>10000	12	1.25	105	1030	4	70	0.17	84	< 10	64	50		
000844	201 285	7090	17	0.57	48	1660	4	23	0.10	90	< 10	114	90		
000845	201 285	5930	17	0.59	43	1830	4	20	0.10	103	< 10	124	110		
000846	201 285	3970	11	0.54	38	1210	6	36	0.15	103	< 10	114	70		
000847	201 285	6130	16	0.75	61	1480	4	22	0.09	81	< 10	154	110		
000850	201 285	25	115	0.08	40	1840	260	134	0.18	506	20	56	40		
000851	201 285	455	5	1.98	39	1150	30	78	0.29	87	< 10	94	110		
000852	201 285	3260	8	1.40	22	2630	12	51	0.14	76	< 10	60	80		
000853	201 285	1360	29	2.18	80	1230	16	88	0.21	89	< 10	46	120		
000854	201 285	480	15	1.92	28	650	8	76	0.23	94	< 10	42	60		
000855	201 285	525	11	2.44	31	1210	70	65	0.20	111	< 10	66	70		
000856	201 285	7380	54	1.09	52	1420	< 2	40	0.15	184	< 10	34	160		
000857	201 285	>10000	33	1.31	47	1390	< 2	69	0.14	210	< 10	28	180		
000858	201 285	8930	23	1.23	33	890	< 2	37	0.16	124	< 10	38	90		
000859	201 285	6110	16	1.29	30	900	< 2	48	0.17	114	< 10	32	90		
000860	201 285	5940	16	1.11	28	1070	< 2	53	0.21	105	< 10	24	100		

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

A9421249

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

CERTIFICATE A9421249

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	14	Geochem ring to approx 150 mesh
226	14	0-5 lb crush and split
285	14	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	14	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	14	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	14	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	14	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	14	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	14	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	14	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	14	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	14	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	14	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	14	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	14	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	14	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	14	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	14	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	14	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	14	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	14	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	14	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	14	Pb ppm: 24 element, rock & core	AAS	2	10000
582	14	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	14	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	14	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	14	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	14	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	14	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: 01-AUG-94
Invoice No. : I9421249
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9421249

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)
937651	205	226	10	0.4	6.27	60	< 0.5	< 2	0.17	< 0.5	249	75	25	9.16	0.91	4.69
937652	205	226	105	1.8	0.45	10	< 0.5	12	0.05	< 0.5	74	203	47	3.70	0.03	0.51
937653	205	226	< 5	< 0.2	6.56	520	< 0.5	< 2	2.16	0.5	32	107	3	7.03	2.93	4.04
937654	205	226	5	< 0.2	0.26	2130	< 0.5	< 2	13.00	2.5	12	20	362	14.05	0.02	7.26
937655	205	226	< 5	< 0.2	0.64	40	< 0.5	< 2	11.20	0.5	112	42	780	6.74	0.14	4.43
937656	205	226	< 5	< 0.2	5.19	340	< 0.5	< 2	7.38	0.5	34	547	14	3.82	1.50	5.70
937657	205	226	< 5	0.4	7.75	210	< 0.5	< 2	0.37	< 0.5	12	62	15	5.84	0.38	1.92
937658	205	226	5	< 0.2	6.89	1300	< 0.5	< 2	2.87	< 0.5	12	96	11	5.92	5.37	1.69
937659	205	226	25	< 0.2	6.98	350	< 0.5	< 2	0.44	2.0	47	86	1090	16.25	2.56	2.89
937660	205	226	90	< 0.2	6.49	3540	0.5	< 2	2.00	1.5	48	70	2550	14.90	3.80	2.89
937661	205	226	35	2.6	0.49	50	< 0.5	< 2	2.97	3.0	38	108	95	>25.0	0.11	1.21
937662	205	226	25	0.8	0.41	180	< 0.5	< 2	5.32	2.0	86	106	244	16.05	0.16	1.43
937663	205	226	< 5	0.4	7.74	2250	1.0	< 2	3.20	0.5	77	84	44	5.88	6.83	0.70
937664	205	226	15	< 0.2	3.22	200	< 0.5	< 2	1.07	1.0	65	77	>10000	14.60	1.57	0.60

CERTIFICATION: Stuart Buchan

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: 01-AUG-94
Invoice No. : I9421249
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9421249

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
937651	205 226	255	22	0.15	47	1070	< 2	7	0.14	112	< 10	38	10
937652	205 226	55	134	0.03	31	280	18	1	< 0.01	7	< 10	2	< 10
937653	205 226	1900	2	0.16	46	630	< 2	14	0.20	92	< 10	56	70
937654	205 226	7090	33	0.10	37	4880	< 2	229	< 0.01	264	< 10	22	280
937655	205 226	>10000	1	0.04	11	320	2	23	< 0.01	17	< 10	18	< 10
937656	205 226	1255	1	3.28	47	460	< 2	42	0.17	217	< 10	4	30
937657	205 226	315	50	3.75	18	1490	< 2	13	0.11	24	< 10	4	170
937658	205 226	3120	1	1.50	33	810	< 2	27	0.18	65	< 10	14	90
937659	205 226	640	32	0.75	75	1010	< 2	19	0.06	115	< 10	118	120
937660	205 226	1785	18	0.34	53	1300	< 2	62	0.12	91	< 10	92	230
937661	205 226	1495	89	0.04	24	1770	24	10	< 0.01	142	< 10	16	340
937662	205 226	5070	119	0.04	66	3150	4	48	0.01	1015	< 10	18	440
937663	205 226	3800	16	0.26	29	830	< 2	42	0.17	90	< 10	8	60
937664	205 226	2050	22	0.04	29	1350	< 2	11	0.09	171	< 10	50	360

CERTIFICATION: Stuart 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

A9422157

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

CERTIFICATE A9422157

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-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

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
Total Pages : 1
Certificate Date: 06-AUG-94
Invoice No. : I9422157
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9422157

SAMPLE	PREP CODE		Cu %
937664	244	--	3.23

CERTIFICATION: David Chiasson

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
Total Pages : 1
Certificate Date: 06-AUG-94
Invoice No. : I9422157
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9422157

SAMPLE	PREP CODE	Cu %
937664	244 --	3.23

CERTIFICATION: David Chiang

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

A9421247

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

CERTIFICATE A9421247

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	49	Dry, sieve to -80 mesh
203	16	Dry, sieve to -35 mesh
205	16	Geochem ring to approx 150 mesh
285	65	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	65	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	65	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	65	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	65	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	65	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	65	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	65	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	65	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	65	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	65	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	65	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	65	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	65	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	65	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	65	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	65	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	65	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	65	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	65	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	65	Pb ppm: 24 element, rock & core	AAS	2	10000
582	65	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	65	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	65	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	65	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	65	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	65	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 :2
Certificate Date: 01-AUG-94
Invoice No. :I9421247
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9421247

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)
CM914 0000E	203	205	< 5	< 0.2	8.53	480	1.0	< 2	0.13	< 0.5	11	95	16	3.06	2.84	1.15
CM914 0050E	201	285	< 5	0.7	7.26	750	0.5	< 2	0.37	< 0.5	120	60	60	9.80	0.70	2.00
CM914 0100E	201	285	< 5	0.4	4.66	230	< 0.5	< 2	0.25	< 0.5	6	38	60	1.11	0.96	0.31
CM914 0150E	203	205	< 5	< 0.2	7.29	430	0.5	< 2	0.23	< 0.5	29	58	46	2.40	0.95	0.53
CM914 0200E	201	285	< 5	0.6	8.01	330	0.5	< 2	0.23	< 0.5	27	54	46	2.18	0.94	0.55
CM914 0250E	201	285	< 5	0.4	7.27	350	0.5	< 2	0.21	< 0.5	13	51	22	2.34	0.96	0.65
CM914 0300E	201	285	< 5	0.2	6.93	260	0.5	< 2	0.20	< 0.5	65	47	52	7.51	0.88	0.79
CM914 0350E	201	285	< 5	0.2	6.93	450	0.5	< 2	0.22	< 0.5	60	53	32	5.29	0.96	1.23
CM914 0400E	201	285	75	0.4	7.63	380	1.5	< 2	0.20	< 0.5	129	63	40	7.01	1.41	1.69
CM914 0450E	201	285	10	0.2	5.92	110	0.5	< 2	0.15	< 0.5	196	41	< 1	13.40	0.18	0.23
CM914 0500E	201	285	15	0.8	2.37	3820	< 0.5	< 2	0.85	0.5	21	15	644	14.55	0.70	0.59
CM914 0550E	201	285	25	2.0	2.08	2740	< 0.5	6	2.80	1.0	40	13	1290	16.70	0.48	3.99
CM914 0600E	201	285	< 5	1.4	1.99	3150	< 0.5	< 2	2.02	< 0.5	24	16	421	16.00	0.64	1.18
CM914 0650E	201	285	< 5	1.4	6.97	2610	1.0	< 2	0.56	< 0.5	37	52	357	9.09	2.74	2.11
CM914 0700E	201	285	< 5	< 0.2	5.79	5270	1.0	< 2	1.05	< 0.5	34	40	47	6.78	2.97	0.55
CM914 0750E	203	205	35	< 0.2	7.66	2290	1.5	< 2	0.20	< 0.5	38	76	156	6.72	4.89	0.77
CM914 0800E	203	205	10	< 0.2	4.93	910	< 0.5	< 2	1.14	< 0.5	41	50	36	5.62	2.03	0.87
CM914 0850E	203	205	< 5	< 0.2	5.31	1530	1.0	< 2	0.95	< 0.5	27	50	42	5.44	2.29	0.77
CM914 0900E	201	285	< 5	0.2	6.58	1130	1.0	< 2	0.47	< 0.5	29	56	131	8.14	3.20	1.07
CM914 0950E	201	285	< 5	4.0	4.81	1750	1.0	< 2	0.69	< 0.5	44	37	205	10.10	1.74	1.67
CM914 1000E	201	285	< 5	< 0.2	7.19	970	1.5	< 2	1.00	< 0.5	24	60	45	7.31	3.11	1.15
CM914 1050E	201	285	< 5	0.4	5.75	500	1.5	< 2	0.45	0.5	61	48	120	8.34	1.17	1.47
CM914 1100E	201	285	< 5	< 0.2	4.39	660	1.0	< 2	0.43	1.0	64	41	220	13.35	1.15	1.09
CM914 1150E	203	205	10	< 0.2	6.15	540	1.5	< 2	0.71	0.5	60	58	80	7.72	1.42	2.20
CM914 1200E	203	205	< 5	< 0.2	4.57	310	< 0.5	< 2	0.33	< 0.5	8	58	25	2.15	1.25	1.56
CM914 1250E	201	285	< 5	< 0.2	6.02	420	1.5	< 2	0.34	< 0.5	66	49	232	6.37	1.54	1.39
CM914 1300E	201	285	< 5	< 0.2	4.57	390	1.0	< 2	0.78	0.5	61	40	166	14.45	1.19	1.82
CM914 1350E	201	285	< 5	< 0.2	3.69	290	0.5	< 2	0.63	0.5	56	30	113	16.90	0.84	1.62
CM914 1400E	201	285	< 5	< 0.2	4.70	310	1.0	< 2	0.76	0.5	68	41	361	15.70	1.03	1.47
CM914 1450E	201	285	< 5	0.4	6.77	530	2.0	< 2	0.46	< 0.5	48	52	583	9.96	2.24	1.38
CM1522 0000E	203	205	< 5	< 0.2	7.29	990	1.5	< 2	0.49	< 0.5	27	72	57	6.62	4.74	1.53
CM1522 0050E	203	205	< 5	< 0.2	7.58	1280	1.0	< 2	0.28	< 0.5	20	83	41	6.94	5.26	1.86
CM1522 0100E	201	285	40	0.6	5.51	500	1.0	6	0.51	< 0.5	204	48	220	13.95	0.98	3.63
CM1522 0150E	201	285	25	0.6	6.60	570	2.0	2	0.52	< 0.5	58	65	515	6.36	1.93	1.64
CM1522 0200E	203	205	5	< 0.1	6.25	250	1.0	6	0.12	< 0.5	15	45	101	4.28	1.52	2.55
CM1522 0250E	203	205	< 5	0.4	7.65	320	1.5	6	0.15	< 0.5	14	56	181	5.81	1.96	2.63
CM1522 0300E	203	205	45	0.6	8.12	410	2.5	6	0.19	< 0.5	72	73	411	5.96	2.48	3.00
CM1522 0350E	201	285	20	0.6	7.41	690	3.0	< 2	0.50	< 0.5	188	64	413	6.46	1.72	2.35
CM1522 0400E	203	205	< 5	0.4	7.28	600	2.0	< 2	0.45	< 0.5	70	68	500	7.06	2.20	1.57
CM1522 0450E	201	285	< 5	< 0.2	8.13	4960	1.0	< 2	0.53	< 0.5	17	52	23	3.94	2.22	0.94

CERTIFICATION: Stuart 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 :2
Certificate Date: 01-AUG-94
Invoice No. :I9421247
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9421247

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		
CM914 0000E	203	205	275	4	0.43	16	580	14	35	0.38	114	< 10	46	40		
CM914 0050E	201	285	5200	9	2.40	150	1000	14	34	0.12	50	< 10	42	80		
CM914 0100E	201	285	115	1	1.17	6	1300	12	51	0.19	55	< 10	40	20		
CM914 0150E	203	205	895	3	3.47	19	890	14	42	0.30	93	< 10	50	30		
CM914 0200E	201	285	425	4	3.77	26	860	12	44	0.28	93	< 10	44	40		
CM914 0250E	201	285	280	3	3.35	14	740	10	41	0.25	97	< 10	42	30		
CM914 0300E	201	285	600	15	2.87	35	1240	10	42	0.17	87	< 10	40	70		
CM914 0350E	201	285	960	6	2.38	27	810	14	48	0.24	89	< 10	40	40		
CM914 0400E	201	285	1675	12	1.85	61	1340	16	34	0.19	91	< 10	44	50		
CM914 0450E	201	285	2000	3	3.82	23	1300	26	21	0.05	26	< 10	16	10		
CM914 0500E	201	285	>10000	13	0.11	15	1350	22	21	0.07	68	< 10	76	30		
CM914 0550E	201	285	>10000	26	0.08	22	1020	38	29	0.04	58	< 10	52	30		
CM914 0600E	201	285	>10000	7	0.11	12	970	12	32	0.05	43	< 10	78	40		
CM914 0650E	201	285	9500	14	0.25	31	1130	16	19	0.16	89	< 10	44	70		
CM914 0700E	201	285	6330	7	0.28	29	940	6	457	0.17	56	< 10	52	60		
CM914 0750E	203	205	3950	35	0.16	40	950	8	30	0.23	116	< 10	36	110		
CM914 0800E	203	205	6060	3	0.94	32	740	12	42	0.12	72	< 10	68	70		
CM914 0850E	203	205	5040	13	0.40	34	1020	12	29	0.17	74	< 10	64	60		
CM914 0900E	201	285	6610	8	0.24	39	1120	12	16	0.24	85	< 10	40	100		
CM914 0950E	201	285	>10000	12	0.18	32	1430	54	20	0.14	86	< 10	62	40		
CM914 1000E	201	285	7320	6	0.53	38	1080	12	25	0.17	103	< 10	52	60		
CM914 1050E	201	285	7960	12	1.10	41	1340	38	47	0.16	87	< 10	266	80		
CM914 1100E	201	285	>10000	10	0.40	65	1450	30	42	0.13	75	< 10	236	50		
CM914 1150E	203	205	5580	13	0.47	37	1780	14	47	0.16	119	< 10	118	60		
CM914 1200E	203	205	290	4	0.45	14	1160	10	56	0.18	69	< 10	68	30		
CM914 1250E	201	285	3370	16	0.55	66	1840	22	72	0.22	88	< 10	100	50		
CM914 1300E	201	285	>10000	16	0.24	57	1130	8	34	0.12	75	< 10	70	40		
CM914 1350E	201	285	>10000	20	0.17	47	1010	4	26	0.09	74	< 10	60	40		
CM914 1400E	201	285	>10000	22	0.76	76	950	10	26	0.11	84	< 10	48	70		
CM914 1450E	201	285	6420	11	0.52	72	940	10	25	0.17	81	< 10	46	60		
CM1522 0000E	203	205	4600	2	0.63	38	790	10	22	0.20	82	< 10	68	80		
CM1522 0050E	203	205	4010	2	0.21	46	900	8	24	0.19	107	< 10	82	60		
CM1522 0100E	201	285	1740	56	0.24	53	5050	10	31	0.12	96	< 10	70	110		
CM1522 0150E	201	285	1125	9	0.74	73	1080	32	99	0.32	97	< 10	138	90		
CM1522 0200E	203	205	275	11	0.63	14	1400	18	27	0.18	71	< 10	64	30		
CM1522 0250E	203	205	215	13	0.71	18	1400	24	31	0.16	73	< 10	64	40		
CM1522 0300E	203	205	780	11	0.42	61	1190	28	44	0.25	91	< 10	118	60		
CM1522 0350E	201	285	1840	10	0.83	136	1230	34	113	0.26	86	< 10	184	50		
CM1522 0400E	203	205	5620	11	0.62	64	2050	18	44	0.22	132	< 10	122	80		
CM1522 0450E	201	285	3720	2	2.94	13	910	4	80	0.17	65	< 10	30	40		

CERTIFICATION: Stuart 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

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

Certificate Date: 01-AUG-94
Invoice No. : I9421247
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9421247

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)
CM1522 0500E	201	285	< 5	0.6	6.50	620	1.5	< 2	0.51	< 0.5	16	67	191	7.74	1.74	0.93
CM1522 0550E	201	285	10	0.4	7.28	580	2.5	< 2	0.52	< 0.5	112	65	266	5.92	1.67	2.02
CM1522 0600E	201	285	< 5	2.8	4.13	410	2.0	< 2	0.23	1.5	183	40	432	20.4	0.85	0.48
CM1522 0650E	201	285	< 5	0.8	9.95	460	2.5	< 2	0.05	< 0.5	6	67	158	4.04	3.43	1.08
CM1522 0700E	201	285	< 5	0.4	9.15	470	2.5	< 2	0.09	< 0.5	16	66	156	4.45	3.22	0.90
CM1522 0750E	201	285	< 5	1.0	9.75	450	2.5	6	0.07	< 0.5	9	73	121	4.73	3.43	1.10
CM1522 0800E	201	285	< 5	0.8	9.60	460	2.5	< 2	0.05	< 0.5	12	71	126	4.12	3.48	1.01
CM1522 0850E	201	285	< 5	0.6	8.65	620	2.0	< 2	0.27	< 0.5	44	70	217	6.51	2.52	1.30
CM1522 0900E	201	285	< 5	1.8	5.04	880	1.0	< 2	0.32	1.0	215	41	833	18.50	0.92	0.71
CM1522 0950E	201	285	< 5	1.8	4.86	900	0.5	6	0.34	1.0	212	40	846	18.85	0.87	0.68
CM1522 1000E	201	285	< 5	1.0	6.36	660	1.5	< 2	0.26	< 0.5	92	44	862	10.00	1.33	0.87
CM1522 1050E	201	285	< 5	1.2	6.12	670	1.5	< 2	0.28	0.5	96	46	867	10.85	1.23	0.82
CM1522 1100E	201	285	60	0.8	4.19	1590	0.5	6	7.22	0.5	106	44	755	7.69	1.38	1.48
CM1522 1150E	201	285	< 5	0.8	6.62	470	2.0	< 2	0.62	0.5	47	58	585	7.42	1.98	1.01
CM1522 1200E	201	285	< 5	1.0	7.24	350	2.5	< 2	0.48	< 0.5	102	61	715	8.13	2.06	0.91
CM1522 1250E	201	285	< 5	1.2	6.04	470	1.5	< 2	0.27	0.5	44	52	104	8.12	1.73	0.87
CM1522 1300E	201	285	< 5	0.8	8.67	530	2.0	< 2	0.14	0.5	34	70	121	5.19	2.81	0.87
CM1522 1350E	201	285	< 5	0.8	8.66	520	2.0	< 2	0.13	< 0.5	31	72	116	5.06	2.84	0.89
CM1522 1400E	201	285	< 5	1.6	6.91	550	2.0	< 2	0.32	0.5	39	50	428	6.56	2.38	0.94
CM1522 1450E	203	205	< 5	0.4	7.83	760	1.0	< 2	1.63	< 0.5	15	80	68	4.34	2.97	1.81
CM1522 1500E	203	205	< 5	< 0.2	8.29	790	1.5	< 2	1.40	< 0.5	15	83	87	4.47	3.05	1.62
CM1522 1550E	201	285	< 5	0.4	7.09	710	1.5	< 2	1.76	0.5	15	62	118	4.53	2.61	1.80
CM1522 1600E	201	285	< 5	0.4	6.69	750	1.5	< 2	0.89	< 0.5	22	61	130	5.23	2.35	1.37
SB2000E-3125N	203	205	15	< 0.2	7.62	800	1.0	< 2	0.96	< 0.5	12	87	21	3.02	3.02	0.82
XG1000E-4550N	201	285	< 5	0.4	6.63	560	0.5	< 2	0.58	< 0.5	30	68	77	4.16	1.44	0.74

CERTIFICATION: Stuart 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-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Certificate Date: 01-AUG-94
Invoice No. : I9421247
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9421247

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		
CM1522 0500E	201 285	415	8	0.78	33	1410	42	111	0.35	96	< 10	68	60		
CM1522 0550E	201 285	1335	4	0.76	94	1010	18	110	0.33	91	< 10	74	60		
CM1522 0600E	201 285	>10000	4	0.56	226	1180	44	61	0.11	93	< 10	366	220		
CM1522 0650E	201 285	255	6	0.42	10	850	34	44	0.20	97	< 10	60	60		
CM1522 0700E	201 285	430	6	0.53	21	960	30	47	0.18	97	< 10	66	60		
CM1522 0750E	201 285	405	6	0.42	13	970	28	38	0.20	100	< 10	62	60		
CM1522 0800E	201 285	435	6	0.51	14	830	30	40	0.22	101	< 10	64	60		
CM1522 0850E	201 285	3200	7	1.29	63	1010	20	37	0.17	91	< 10	66	70		
CM1522 0900E	201 285	>10000	17	1.28	151	1510	54	29	0.08	77	< 10	402	70		
CM1522 0950E	201 285	>10000	16	1.24	153	1580	56	28	0.08	75	< 10	396	70		
CM1522 1000E	201 285	>10000	19	1.69	94	1380	36	27	0.13	76	< 10	142	80		
CM1522 1050E	201 285	>10000	19	1.54	101	1650	38	28	0.11	74	< 10	160	70		
CM1522 1100E	201 285	3670	14	0.76	43	1050	16	85	0.17	84	< 10	102	70		
CM1522 1150E	201 285	6720	8	0.82	66	1150	20	45	0.14	82	< 10	234	60		
CM1522 1200E	201 285	7370	14	1.22	98	1180	18	47	0.15	100	< 10	190	90		
CM1522 1250E	201 285	2000	16	0.57	73	1230	28	73	0.22	75	< 10	364	40		
CM1522 1300E	201 285	2820	6	0.67	47	1110	20	51	0.24	97	< 10	206	60		
CM1522 1350E	201 285	2750	6	0.71	47	1080	20	49	0.24	95	< 10	204	60		
CM1522 1400E	201 285	5500	10	0.57	67	1330	50	61	0.24	85	< 10	312	50		
CM1522 1450E	203 205	2060	< 1	0.81	30	590	12	82	0.19	77	< 10	56	70		
CM1522 1500E	203 205	1880	2	0.80	30	610	16	88	0.20	78	< 10	62	70		
CM1522 1550E	201 285	2510	< 1	0.71	26	740	18	78	0.19	75	< 10	66	80		
CM1522 1600E	201 285	3190	2	0.69	32	790	20	83	0.20	82	< 10	82	70		
SB2000E-3125N	203 205	850	< 1	1.06	20	500	12	77	0.26	71	< 10	82	60		
XG1000E-4550N	201 285	1110	2	1.49	41	1150	16	113	0.36	106	< 10	86	60		

CERTIFICATION: Stuart 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

A9427435

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

CERTIFICATE A9427435

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-OCT-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	2	Dry, sieve to -80 mesh
285	2	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	2	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	2	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	2	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	2	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	2	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	2	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	2	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	2	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	2	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	2	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	2	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	2	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	2	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	2	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	2	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	2	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	2	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	2	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	2	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	2	Pb ppm: 24 element, rock & core	AAS	2	10000
582	2	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	2	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	2	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	2	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	2	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	2	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-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number :1-A
Total Pages :1
Certificate Date: 06-OCT-94
Invoice No. :I9427435
P.O. Number :
Account :BM W

CERTIFICATE OF ANALYSIS A9427435

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)
000997	201	285	590	7.6	3.43	480	0.5	268	0.72	0.5	491	35	2710	7.41	1.05	0.59
000998	201	285	160	5.0	6.43	450	1.0	882	0.09	8.5	316	49	2200	4.27	2.58	0.39

CERTIFICATION: Stuart 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: 06-OCT-94
Invoice No. : I9427435
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9427435

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		
000997	201	285	3300	37	0.50	70	2120	212	83	0.16	60	< 10	42	120		
000998	201	285	585	20	0.30	31	1180	54	30	0.19	55	< 10	12	60		

CERTIFICATION: Stewart Bachlet

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

A9424141

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

CERTIFICATE A9424141

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHALD-UT
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	144	Dry, sieve to -80 mesh
203	8	Dry, sieve to -35 mesh
205	8	Geochem ring to approx 150 mesh
217	4	Geochem ring entire sample
285	156	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	156	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	156	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	156	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	156	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	156	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	156	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	156	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	156	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	156	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	156	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	156	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	156	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	156	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	156	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	156	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	156	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	156	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	156	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	156	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	156	Pb ppm: 24 element, rock & core	AAS	2	10000
582	156	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	156	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	156	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	156	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	156	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	156	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 : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1-A
Total Pages : 5
Certificate Date: 12-SEP-94
Invoice No. : I9424141
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9424141

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)
000751	217	285	450	2.0	2.78	2550	< 0.5	2	0.33	1.0	6	53	129	1.37	0.93	0.18
000752	201	285	10	< 0.2	6.51	330	1.0	< 2	0.22	< 0.5	84	74	134	6.62	1.71	2.05
000753	201	285	10	0.8	4.95	360	0.5	< 2	0.79	< 0.5	77	39	392	8.79	2.21	0.82
000754	201	285	5	2.4	3.17	200	< 0.5	< 2	4.95	< 0.5	127	17	1485	12.80	1.09	2.31
000755	201	285	50	7.2	3.13	960	< 0.5	< 2	0.86	< 0.5	94	15	829	15.15	0.84	1.26
000756	201	285	70	8.6	3.49	840	< 0.5	< 2	4.34	< 0.5	126	25	1165	15.25	1.47	3.39
000757	201	285	25	0.4	7.36	870	< 0.5	< 2	0.44	< 0.5	34	61	66	7.55	3.51	1.91
000758	201	285	10	< 0.2	8.11	1420	1.5	< 2	0.49	< 0.5	37	73	138	6.53	2.61	3.35
000759	201	285	5	< 0.2	7.51	1430	0.5	< 2	0.27	< 0.5	29	71	77	7.15	3.16	2.15
000760	201	285	25	< 0.2	6.66	1590	1.0	< 2	0.54	< 0.5	86	73	317	7.29	2.97	1.28
000761	201	285	50	< 0.2	6.98	2320	1.0	< 2	0.34	< 0.5	146	59	1365	8.76	3.73	1.15
000762	201	285	50	< 0.2	6.15	1290	0.5	< 2	0.33	< 0.5	52	57	1015	7.94	2.72	1.71
000763	201	285	65	< 0.2	6.53	2310	1.5	< 2	0.45	< 0.5	68	67	1635	7.72	4.09	0.89
000776	201	285	< 5	< 0.2	7.46	560	1.0	< 2	0.28	< 0.5	20	86	51	4.13	2.59	1.27
000777	201	285	< 5	< 0.2	7.59	420	0.5	< 2	0.16	< 0.5	19	73	39	3.84	2.66	1.14
000778	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000779	201	285	20	0.8	6.97	1080	0.5	< 2	0.89	< 0.5	66	54	210	10.30	2.59	2.20
000780	201	285	15	0.4	6.32	1440	< 0.5	< 2	0.50	< 0.5	137	49	437	11.30	1.80	4.22
000781	201	285	< 5	< 0.2	8.04	650	2.0	< 2	0.11	< 0.5	89	70	227	6.17	3.14	1.23
000782	201	285	5	0.4	8.07	790	2.5	< 2	0.15	< 0.5	44	67	422	7.48	3.51	0.71
000793	201	285	250	< 0.2	5.93	1880	1.5	< 2	0.29	< 0.5	160	54	>10000	14.65	2.85	1.78
000794	201	285	165	< 0.2	6.35	3040	1.5	< 2	0.29	< 0.5	86	54	3830	11.45	3.34	1.17
000795	201	285	285	< 0.2	5.22	2910	1.5	< 2	0.34	< 0.5	58	44	312	8.05	2.62	0.65
000796	201	285	40	< 0.2	5.75	3470	1.5	< 2	0.41	< 0.5	117	48	1135	12.20	3.04	0.83
000797	201	285	10	0.8	2.33	1670	0.5	< 2	1.04	< 0.5	61	18	157	12.55	0.74	0.58
000798	201	285	5	0.4	2.11	2970	0.5	< 2	5.05	< 0.5	39	14	188	12.65	0.77	2.83
000799	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000800	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000864	201	285	< 5	0.4	7.94	760	2.5	< 2	0.39	< 0.5	66	77	123	6.36	2.07	1.05
000865	201	285	< 5	< 0.2	7.35	1290	1.5	< 2	0.23	< 0.5	71	49	64	5.13	1.02	0.48
000866	201	285	< 5	< 0.2	6.57	2980	1.0	< 2	0.53	< 0.5	69	44	73	4.29	1.27	0.68
000867	201	285	< 5	< 0.2	6.61	1340	1.0	< 2	0.39	< 0.5	99	47	119	6.37	1.29	0.73
000868	201	285	< 5	0.4	7.57	3250	1.5	< 2	0.16	< 0.5	165	59	223	8.87	1.77	0.94
000869	201	285	< 5	0.4	6.55	2140	1.0	< 2	0.24	< 0.5	181	41	93	7.72	0.74	0.46
000870	201	285	10	0.8	5.67	520	0.5	< 2	0.37	< 0.5	280	43	76	12.00	0.51	0.36
000871	201	285	25	0.4	4.96	310	0.5	< 2	0.33	< 0.5	254	78	657	12.05	0.53	0.94
000872	201	285	5	0.6	1.57	260	0.5	< 2	12.70	< 0.5	30	5	50	6.62	0.64	6.53
000873	201	285	20	1.4	3.10	3660	1.0	< 2	2.51	0.5	47	19	2210	16.00	1.24	1.79
000874	201	285	45	3.6	1.40	1220	< 0.5	20	2.66	1.0	33	7	2230	15.25	0.44	1.65
000875	201	285	10	4.8	1.31	2370	< 0.5	16	3.19	1.0	55	5	1860	15.40	0.47	1.94

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

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Page Number : 1-B
Total Pages : 5
Certificate Date: 12-SEP-94
Invoice No. : I9424141
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9424141

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		
000751	217	285	30	113	0.05	43	1880	240	134	0.25	516	20	54	40		
000752	201	285	3650	12	0.49	36	1340	14	37	0.29	88	< 10	80	30		
000753	201	285	8710	15	0.18	52	1720	48	26	0.17	62	< 10	98	40		
000754	201	285	>10000	9	0.16	25	1580	84	38	0.06	47	< 10	46	30		
000755	201	285	>10000	11	0.13	28	1560	210	17	0.05	35	< 10	48	30		
000756	201	285	>10000	34	0.21	59	2430	36	30	0.06	77	< 10	32	80		
000757	201	285	4110	10	0.85	38	1090	< 2	19	0.19	93	< 10	38	90		
000758	201	285	1795	11	0.84	40	1360	4	32	0.24	99	< 10	48	50		
000759	201	285	4600	4	1.17	37	880	< 2	25	0.24	96	< 10	42	60		
000760	201	285	4600	9	0.88	37	1110	< 2	31	0.22	85	< 10	40	80		
000761	201	285	7060	15	0.53	42	1140	< 2	28	0.18	79	< 10	44	150		
000762	201	285	3630	15	0.51	34	1130	< 2	28	0.19	79	< 10	46	110		
000763	201	285	4460	16	0.42	33	1320	< 2	36	0.22	82	< 10	38	100		
000776	201	285	705	3	0.57	25	990	10	57	0.36	114	< 10	72	20		
000777	201	285	870	2	0.49	23	1620	6	27	0.27	86	< 10	42	30		
000778	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
000779	201	285	7830	14	0.89	46	1550	8	22	0.16	97	< 10	44	100		
000780	201	285	7920	15	0.69	55	1470	12	23	0.12	88	< 10	54	50		
000781	201	285	3560	7	1.00	72	760	< 2	17	0.23	82	< 10	30	50		
000782	201	285	2830	11	0.41	62	1140	24	21	0.22	84	< 10	42	60		
000793	201	285	6880	46	0.33	50	1900	< 2	80	0.13	94	< 10	26	200		
000794	201	285	7420	45	0.42	42	1360	< 2	32	0.18	88	< 10	36	240		
000795	201	285	8950	20	0.23	22	1150	< 2	123	0.14	79	< 10	26	100		
000796	201	285	9170	41	0.28	35	1410	< 2	32	0.14	145	< 10	30	230		
000797	201	285	>10000	21	0.09	25	3930	12	17	0.05	62	< 10	38	40		
000798	201	285	>10000	11	0.09	17	2810	2	31	0.04	48	< 10	52	20		
000799	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
000800	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
000864	201	285	2830	2	0.92	58	1730	14	81	0.37	110	< 10	102	50		
000865	201	285	1035	8	4.68	26	910	< 2	29	0.16	69	< 10	22	20		
000866	201	285	1505	7	2.98	26	1250	4	36	0.13	66	< 10	38	20		
000867	201	285	2320	8	2.62	32	1400	8	34	0.14	66	< 10	48	30		
000868	201	285	2230	11	2.79	69	1170	4	43	0.15	71	< 10	30	40		
000869	201	285	2400	10	4.03	51	1300	< 2	40	0.10	51	< 10	28	40		
000870	201	285	3700	8	3.66	79	1230	< 2	34	0.07	39	< 10	32	30		
000871	201	285	3230	3	2.69	71	1010	< 2	50	0.12	94	< 10	38	20		
000872	201	285	7590	6	0.06	14	970	12	58	0.03	36	< 10	18	< 10		
000873	201	285	>10000	21	0.18	39	2470	14	34	0.07	54	< 10	104	40		
000874	201	285	>10000	74	0.04	18	800	50	21	0.02	36	< 10	44	20		
000875	201	285	>10000	7	0.07	8	460	22	23	0.02	37	< 10	44	40		

CERTIFICATION: Ian R. 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 :2-A
Total Pages :5
Certificate Date: 12-SEP-94
Invoice No. :I9424141
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424141

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)
000876	201	285	< 5	1.2	2.26	1440	0.5	< 2	3.34	< 0.5	23	12	330	13.10	0.92	1.94
000877	201	285	< 5	0.6	3.09	1520	0.5	< 2	0.81	< 0.5	20	16	377	14.45	1.26	0.57
000878	201	285	< 5	1.0	2.19	1620	0.5	< 2	4.37	< 0.5	31	13	553	9.12	0.87	2.49
000879	201	285	75	1.8	5.20	780	1.0	< 2	0.31	< 0.5	92	40	432	21.7	2.90	0.49
000880	201	285	< 5	1.0	5.13	360	0.5	< 2	0.32	< 0.5	266	38	265	15.70	0.78	0.66
000881	201	285	80	2.8	4.96	1560	< 0.5	10	0.62	< 0.5	122	43	151	16.80	2.08	1.40
000882	201	285	95	< 0.2	7.04	2860	2.0	< 2	0.43	< 0.5	159	56	1030	10.30	3.50	1.06
000883	201	285	30	< 0.2	6.68	4780	2.0	< 2	0.47	< 0.5	56	59	213	8.72	3.92	0.75
000884	201	285	15	< 0.2	6.83	2150	2.0	< 2	0.29	< 0.5	72	56	300	7.98	4.00	0.76
000885	201	285	140	0.2	6.73	1920	2.0	< 2	0.30	< 0.5	47	52	139	8.19	3.94	1.56
000886	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000887	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000888	201	285	45	0.8	3.14	1200	0.5	< 2	2.28	1.0	72	25	311	9.55	1.37	1.70
000889	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
000890	201	285	< 5	< 0.2	7.02	500	2.0	< 2	0.30	< 0.5	37	56	97	5.43	1.75	0.89
000891	203	205	< 5	0.4	3.58	540	0.5	< 2	1.62	< 0.5	29	46	83	8.10	0.69	1.66
000892	201	285	< 5	0.6	7.89	600	2.5	< 2	0.18	< 0.5	74	62	411	8.58	2.46	0.86
000893	201	285	25	0.4	7.35	1950	2.0	< 2	0.72	< 0.5	60	64	513	7.08	3.53	0.84
000894	201	285	30	< 0.2	5.96	1510	1.5	< 2	0.86	< 0.5	57	58	274	6.36	2.34	0.74
000895	201	285	130	< 0.2	5.47	2230	1.0	< 2	0.95	< 0.5	90	51	1550	7.31	2.69	0.71
000896	201	285	40	0.4	6.50	3670	2.0	< 2	0.87	< 0.5	60	56	66	5.38	3.01	0.79
000897	201	285	< 5	1.4	7.33	770	3.0	< 2	0.43	< 0.5	57	62	1605	6.10	2.82	1.08
000898	201	285	< 5	< 0.2	5.47	780	1.5	< 2	0.76	< 0.5	32	61	48	5.14	1.83	0.76
000899	201	285	< 5	2.0	8.24	600	3.5	< 2	0.45	< 0.5	109	64	720	6.91	3.39	1.20
000900	201	285	< 5	1.4	4.62	2390	1.0	< 2	0.81	< 0.5	150	52	816	13.95	0.94	0.85
000901	201	285	< 5	< 0.2	7.83	3800	1.5	< 2	0.40	< 0.5	35	59	471	7.21	3.02	2.25
000902	201	285	35	< 0.2	8.42	2620	1.5	< 2	0.56	< 0.5	56	51	582	7.91	3.67	2.01
000903	201	285	80	< 0.2	6.59	4010	1.5	< 2	0.33	< 0.5	122	52	2710	10.60	3.23	1.11
000904	201	285	40	< 0.2	6.87	2810	2.0	< 2	0.50	< 0.5	98	58	1595	8.60	3.68	0.91
000905	201	285	70	< 0.2	4.94	4960	1.0	< 2	0.35	< 0.5	96	44	1025	11.75	2.61	0.69
000906	201	285	25	0.8	3.25	480	0.5	< 2	1.13	< 0.5	111	23	460	16.75	1.46	0.97
000907	201	285	15	0.4	6.86	620	1.5	< 2	0.56	< 0.5	59	66	206	9.83	2.38	2.24
000908	201	285	< 5	1.0	1.71	680	< 0.5	< 2	6.24	0.5	69	12	214	8.85	0.54	3.22
000909	201	285	20	1.0	2.84	690	1.0	2	2.39	< 0.5	101	21	362	10.80	1.13	1.41
000910	201	285	10	0.4	3.40	1050	0.5	< 2	1.60	< 0.5	63	25	289	8.94	1.42	1.14
000911	201	285	5	0.8	2.48	1110	< 0.5	< 2	1.22	< 0.5	73	14	241	11.75	0.78	0.86
000912	201	285	< 5	< 0.2	6.61	460	2.0	4	0.30	< 0.5	63	52	180	7.45	1.39	1.16
000913	203	205	< 5	< 0.2	3.39	590	< 0.5	< 2	1.01	< 0.5	59	42	106	13.25	0.53	1.79
000914	201	285	230	0.4	5.65	1420	< 0.5	< 2	0.59	< 0.5	185	40	1025	14.20	2.08	0.65
000915	201	285	215	< 0.2	5.79	2320	1.5	< 2	0.47	< 0.5	130	49	1105	10.65	2.87	0.92

CERTIFICATION: _____

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 : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Certificate Date: 12-SEP-94
Invoice No. :I9424141
P.O. Number :
Account :BM W

CERTIFICATE OF ANALYSIS A9424141

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		
000876	201	285	>10000	5	0.08	15	1280	10	25	0.04	55	< 10	52	30		
000877	201	285	>10000	9	0.12	16	1220	10	19	0.07	68	< 10	60	30		
000878	201	285	>10000	18	0.09	21	2240	12	32	0.04	52	< 10	42	40		
000879	201	285	6420	131	0.23	26	1530	14	146	0.10	212	< 10	20	130		
000880	201	285	5750	10	2.83	87	1140	< 2	22	0.07	54	< 10	40	30		
000881	201	285	5390	73	0.24	35	1590	30	17	0.10	307	< 10	24	180		
000882	201	285	9880	49	0.39	49	1190	< 2	209	0.17	93	< 10	70	130		
000883	201	285	>10000	16	0.36	39	1090	< 2	143	0.22	81	< 10	40	100		
000884	201	285	5140	16	0.29	47	1120	< 2	20	0.20	87	< 10	92	100		
000885	201	285	5450	12	1.06	69	1230	4	27	0.31	141	< 10	68	100		
000886	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
000887	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
000888	201	285	6160	24	0.22	40	3130	8	24	0.07	120	< 10	142	160		
000889	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.		
000890	201	285	1280	6	0.77	55	890	18	70	0.27	88	< 10	186	60		
000891	203	205	8450	9	0.37	23	1630	10	47	0.11	71	< 10	96	30		
000892	201	285	6600	13	1.06	86	1720	70	42	0.18	90	< 10	1075	60		
000893	201	285	8010	12	0.73	38	1470	6	65	0.23	90	< 10	60	100		
000894	201	285	6710	8	0.91	35	1070	8	98	0.25	89	< 10	66	100		
000895	201	285	8160	14	0.64	49	1560	4	60	0.17	77	< 10	54	110		
000896	201	285	8080	10	0.75	33	1600	4	67	0.23	76	< 10	50	90		
000897	201	285	6210	6	0.77	59	780	18	34	0.21	81	< 10	72	70		
000898	201	285	3080	3	1.09	28	1320	8	117	0.29	87	< 10	54	50		
000899	201	285	6820	15	0.61	65	1180	16	17	0.23	95	< 10	42	70		
000900	201	285	>10000	17	1.42	123	1180	54	63	0.12	92	< 10	256	100		
000901	201	285	4720	14	0.69	32	820	< 2	38	0.17	95	< 10	42	70		
000902	201	285	5360	15	0.37	28	1190	< 2	23	0.14	83	< 10	46	100		
000903	201	285	6840	48	0.36	32	1540	< 2	32	0.16	111	< 10	32	220		
000904	201	285	9680	32	0.41	29	1290	< 2	33	0.19	103	< 10	42	130		
000905	201	285	8270	49	0.22	30	1800	< 2	45	0.13	173	< 10	24	270		
000906	201	285	>10000	49	0.18	43	2950	6	20	0.07	157	< 10	58	240		
000907	201	285	5630	11	0.88	78	1230	< 2	21	0.21	175	< 10	78	100		
000908	201	285	7890	15	0.10	36	2700	8	30	0.03	68	10	144	70		
000909	201	285	7740	29	0.14	61	3970	16	22	0.07	114	< 10	208	170		
000910	201	285	7430	24	0.21	30	1970	4	14	0.08	104	< 10	106	100		
000911	201	285	>10000	21	0.14	44	2160	12	17	0.05	66	< 10	190	60		
000912	201	285	3100	8	0.79	85	1040	20	69	0.20	92	< 10	146	60		
000913	203	205	>10000	17	0.31	40	1590	6	38	0.10	86	< 10	68	30		
000914	201	285	>10000	65	2.12	44	1270	< 2	187	0.08	68	< 10	38	260		
000915	201	285	5350	27	0.63	39	950	< 2	104	0.20	75	< 10	34	100		

CERTIFICATION: Stuart Bachlan

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 : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Certificate Date: 12-SEP-94
Invoice No. : I9424141
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9424141

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)
000916	201	285	130	< 0.2	6.14	5330	1.0	< 2	0.60	< 0.5	99	50	1265	12.45	2.90	1.95
000917	201	285	100	< 0.2	6.80	5200	1.5	< 2	0.38	< 0.5	206	59	2140	12.90	3.37	1.93
000918	201	285	60	< 0.2	8.86	860	3.5	< 2	0.47	< 0.5	34	69	86	5.55	2.85	1.23
000919	201	285	20	< 0.2	6.04	1050	1.0	< 2	0.55	0.5	53	58	97	9.11	2.60	1.78
000920	201	285	55	< 0.2	7.53	1310	2.0	< 2	0.52	0.5	109	52	487	8.51	2.29	1.23
000921	201	285	25	< 0.2	7.09	1390	1.5	< 2	0.72	< 0.5	163	63	538	8.43	2.66	1.32
000922	201	285	10	0.4	7.28	1600	3.0	< 2	0.51	< 0.5	26	62	19	6.75	3.94	0.93
000923	201	285	< 5	< 0.2	7.14	1020	1.0	< 2	0.58	< 0.5	35	86	102	7.44	2.25	2.10
000924	203	205	< 5	< 0.2	5.28	1440	1.0	< 2	1.15	< 0.5	13	64	14	6.10	1.48	0.76
000925	201	285	50	0.8	6.56	1120	1.5	< 2	0.53	< 0.5	115	63	592	12.05	3.31	1.21
000926	201	285	105	2.0	4.90	270	< 0.5	< 2	0.79	0.5	221	44	464	20.1	2.08	3.02
000927	201	285	140	5.2	3.17	930	< 0.5	16	0.43	1.5	296	28	1860	19.70	0.85	1.57
000928	201	285	325	5.4	4.38	500	0.5	162	0.37	6.5	2230	32	3530	11.50	1.58	0.93
000929	201	285	485	6.4	3.17	430	0.5	236	0.65	2.5	602	25	3570	7.95	0.92	0.55
000930	201	285	215	3.8	6.49	510	1.5	528	0.31	7.5	790	52	6590	5.45	2.64	0.50
000931	201	285	345	< 0.2	6.08	2120	1.0	< 2	0.55	1.0	375	53	3350	11.90	2.97	1.04
000932	201	285	345	< 0.2	5.63	920	0.5	< 2	0.61	0.5	367	55	5800	15.10	2.66	0.99
000933	201	285	75	< 0.2	6.29	5810	1.0	< 2	0.93	< 0.5	95	55	599	10.05	2.81	0.97
000934	201	285	5	< 0.2	1.85	620	< 0.5	< 2	11.55	< 0.5	27	19	135	5.20	0.80	5.73
000935	203	205	< 5	0.4	1.15	490	< 0.5	< 2	3.03	< 0.5	24	11	56	4.23	0.31	0.75
000936	201	285	10	1.4	1.91	850	< 0.5	< 2	0.89	0.5	41	16	445	9.86	0.51	0.71
000937	201	285	45	0.2	8.22	970	0.5	< 2	1.10	1.0	14	48	41	3.13	2.20	0.71
000951	201	285	75	1.2	7.21	2000	< 0.5	< 2	0.46	< 0.5	74	57	203	11.70	2.22	3.20
000952	201	285	30	1.0	3.90	810	< 0.5	< 2	2.23	0.5	49	36	186	9.31	0.89	4.74
000953	201	285	20	4.0	4.44	3670	< 0.5	< 2	0.39	< 0.5	53	48	467	12.00	1.42	1.79
000954	201	285	< 5	3.2	4.14	570	< 0.5	12	1.55	0.5	72	39	901	12.90	1.60	1.60
000955	201	285	< 5	5.6	1.68	1980	< 0.5	< 2	4.01	< 0.5	30	11	818	11.60	0.62	2.17
000956	201	285	< 5	0.4	1.67	3720	< 0.5	< 2	4.59	< 0.5	18	16	261	10.05	0.60	2.07
000957	201	285	5	2.2	2.94	2780	< 0.5	< 2	1.50	< 0.5	36	24	1295	13.90	1.14	0.99
000958	201	285	< 5	1.2	5.52	1500	< 0.5	< 2	0.37	< 0.5	85	46	593	10.30	1.94	0.90
000959	201	285	< 5	< 0.2	6.15	2940	< 0.5	< 2	0.31	0.5	38	58	328	6.87	1.66	1.19
000960	201	285	< 5	< 0.2	6.85	2540	0.5	< 2	0.34	< 0.5	29	56	267	5.04	1.25	1.12
000961	201	285	10	1.0	5.04	1430	< 0.5	< 2	0.52	1.0	473	45	101	15.70	0.73	0.71
000962	201	285	< 5	< 0.2	7.68	2520	0.5	< 2	0.47	< 0.5	146	42	223	6.90	1.15	0.73
000963	201	285	< 5	< 0.2	7.10	1360	< 0.5	< 2	0.44	0.5	73	62	338	9.26	2.82	1.56
000964	201	285	5	< 0.2	10.40	540	1.5	6	0.23	0.5	35	103	85	3.11	3.47	1.60
000965	201	285	265	0.4	6.29	560	< 0.5	< 2	0.65	0.5	333	49	1600	15.35	2.45	0.73
000966	201	285	< 5	0.4	6.38	800	1.0	2	1.53	1.5	21	44	51	3.28	2.58	0.78
000967	201	285	< 5	0.6	6.59	990	1.5	2	0.74	1.5	30	49	76	4.16	2.38	0.57
000968	201	285	< 5	< 0.2	6.29	830	1.0	< 2	0.58	1.0	17	41	44	4.10	2.45	0.45

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

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

Certificate Date: 12-SEP-94
Invoice No. :I9424141
P.O. Number :
Account :BM W

CERTIFICATE OF ANALYSIS A9424141

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		
000916	201	285	4090	33	0.35	37	1070	< 2	63	0.15	74	< 10	38	260		
000917	201	285	5420	23	0.36	41	970	< 2	59	0.18	85	< 10	30	130		
000918	201	285	3170	6	2.75	27	1080	14	24	0.23	86	< 10	44	40		
000919	201	285	8830	8	0.50	49	1730	6	40	0.21	120	< 10	90	170		
000920	201	285	4890	9	1.84	26	1140	6	23	0.14	74	< 10	64	90		
000921	201	285	5360	15	1.62	30	1040	< 2	31	0.14	72	< 10	46	80		
000922	201	285	5760	3	0.96	38	1070	14	38	0.29	85	< 10	40	110		
000923	201	285	5190	< 1	2.24	66	970	< 2	24	0.26	146	< 10	54	80		
000924	203	205	4050	< 1	1.81	20	2500	8	33	0.17	72	< 10	46	60		
000925	201	285	6860	52	0.36	58	1190	6	19	0.15	112	< 10	26	150		
000926	201	285	6750	55	0.33	71	2790	18	26	0.09	87	< 10	36	110		
000927	201	285	>10000	54	0.28	59	2190	84	33	0.07	71	< 10	42	120		
000928	201	285	7360	33	0.37	131	2350	244	53	0.11	64	< 10	32	100		
000929	201	285	6180	31	0.38	77	1920	210	58	0.12	50	< 10	62	100		
000930	201	285	1795	24	0.54	76	1160	40	56	0.20	64	< 10	26	70		
000931	201	285	9130	53	0.38	42	1350	< 2	77	0.14	83	< 10	50	180		
000932	201	285	>10000	110	0.41	52	2040	< 2	224	0.16	79	10	36	220		
000933	201	285	>10000	37	0.83	36	1170	< 2	102	0.19	87	< 10	42	90		
000934	201	285	7560	5	0.06	14	1400	< 2	43	0.04	35	< 10	26	< 10		
000935	203	205	5720	3	0.11	8	2340	4	25	0.03	24	< 10	56	20		
000936	201	285	>10000	15	0.13	19	2160	20	20	0.06	54	< 10	36	30		
000937	201	285	790	1	1.42	24	680	24	245	0.40	109	< 10	104	50		
000951	201	285	4150	35	0.33	51	1540	6	22	0.11	132	< 10	38	100		
000952	201	285	6400	16	0.22	30	1750	30	94	0.08	95	< 10	40	50		
000953	201	285	9060	28	0.20	47	1470	36	45	0.12	97	< 10	44	90		
000954	201	285	>10000	12	0.17	55	1550	30	84	0.10	72	< 10	44	40		
000955	201	285	>10000	4	0.07	13	820	18	97	0.02	39	< 10	38	20		
000956	201	285	>10000	2	0.08	5	800	< 2	28	0.03	41	< 10	40	20		
000957	201	285	>10000	9	0.11	25	1020	12	56	0.06	59	< 10	48	40		
000958	201	285	>10000	11	0.74	50	830	14	55	0.14	73	< 10	32	60		
000959	201	285	6490	3	1.47	31	900	8	36	0.18	93	< 10	36	50		
000960	201	285	4030	4	2.94	29	900	6	44	0.17	85	< 10	38	40		
000961	201	285	2910	9	2.13	52	1240	4	28	0.07	51	< 10	36	40		
000962	201	285	6110	3	4.19	49	1190	< 2	35	0.13	48	< 10	26	40		
000963	201	285	3680	9	0.85	44	1170	< 2	20	0.18	91	< 10	38	70		
000964	201	285	820	4	0.65	30	790	14	41	0.37	105	< 10	62	40		
000965	201	285	>10000	115	2.29	58	1740	2	166	0.08	72	< 10	36	190		
000966	201	285	3160	< 1	0.52	26	700	24	48	0.16	54	< 10	744	50		
000967	201	285	4560	1	0.68	39	960	24	77	0.21	67	< 10	728	60		
000968	201	285	4720	1	0.46	28	900	16	48	0.16	53	< 10	592	40		

CERTIFICATION:

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 :4-A
Total Pages :5
Certificate Date: 12-SEP-94
Invoice No. :I9424141
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424141

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)
000969	201	285	< 5	0.8	7.59	790	2.0	< 2	0.50	1.0	53	64	151	5.63	2.54	0.75
000970	201	285	< 5	< 0.2	5.24	640	0.5	4	0.75	1.0	16	36	29	3.39	1.91	0.40
000971	201	285	< 5	< 0.2	4.66	700	0.5	< 2	1.21	2.0	15	34	34	3.13	1.71	0.39
000980	201	285	< 5	0.2	6.59	380	1.0	< 2	0.95	0.5	71	49	650	7.30	1.55	0.84
000981	201	285	< 5	< 0.2	6.74	460	0.5	< 2	0.45	1.0	70	54	81	6.80	1.69	0.72
000982	203	205	< 5	< 0.2	5.77	780	< 0.5	< 2	0.47	< 0.5	45	70	25	5.69	1.47	0.53
000983	203	205	< 5	< 0.2	6.11	460	< 0.5	4	0.68	0.5	65	70	48	5.89	1.03	0.69
000984	201	285	< 5	< 0.2	3.96	330	< 0.5	< 2	1.55	< 0.5	37	26	149	4.68	1.23	0.43
000985	201	285	< 5	0.8	5.34	320	1.0	< 2	0.95	1.0	110	46	301	8.25	2.07	0.59
000986	201	285	< 5	< 0.2	6.04	620	1.0	< 2	0.79	0.5	21	52	41	4.54	2.50	0.59
000987	201	285	< 5	< 0.2	5.72	490	1.0	< 2	1.01	0.5	30	38	77	6.00	2.24	0.67
000988	201	285	< 5	< 0.2	6.27	730	0.5	< 2	1.42	0.5	54	50	27	6.71	1.75	1.10
000989	203	205	< 5	< 0.2	7.33	140	0.5	4	0.21	< 0.5	22	84	85	1.97	1.84	0.30
000990	203	205	< 5	< 0.2	7.80	460	< 0.5	6	0.21	< 0.5	31	84	157	4.54	2.00	0.58
000991	201	285	10	< 0.2	9.15	640	4.5	6	0.32	0.5	181	78	1185	5.43	3.40	0.72
000992	217	285	< 5	< 0.2	8.24	600	1.5	< 2	0.22	< 0.5	62	87	444	5.38	2.22	0.76
000993	201	285	< 5	< 0.2	7.46	490	0.5	< 2	0.12	< 0.5	25	75	163	3.93	2.87	0.33
000994	217	285	< 5	< 0.2	4.57	520	< 0.5	< 2	0.44	< 0.5	6	57	15	3.38	2.31	0.45
000995	217	285	< 5	< 0.2	6.06	970	< 0.5	< 2	0.28	< 0.5	7	69	8	3.64	3.91	0.31
000996	201	285	< 5	0.2	2.64	2210	< 0.5	6	2.10	< 0.5	9	36	21	2.31	1.32	0.56
001001	201	285	30	0.6	5.48	660	< 0.5	< 2	0.89	< 0.5	150	66	34	14.25	1.17	1.10
001002	201	285	< 5	0.6	5.49	1160	0.5	6	0.61	< 0.5	88	54	153	10.10	1.11	0.85
001003	201	285	< 5	1.8	5.90	1460	1.5	2	0.62	5.5	133	51	317	10.90	1.42	0.85
001004	201	285	< 5	1.0	5.85	840	0.5	< 2	0.75	1.5	63	48	196	11.90	1.27	0.96
001005	201	285	< 5	1.2	8.41	380	2.5	< 2	0.15	1.0	62	57	303	13.05	2.04	1.09
001006	201	285	< 5	0.8	6.88	560	1.0	< 2	0.34	0.5	24	60	122	7.07	1.78	1.29
001007	201	285	< 5	2.0	6.60	530	1.0	< 2	0.54	0.5	22	59	186	6.65	1.62	1.00
001008	201	285	100	1.6	7.27	380	1.5	< 2	0.27	< 0.5	38	58	215	8.50	1.75	2.42
001009	201	285	5	0.8	7.79	490	2.0	< 2	0.29	< 0.5	136	58	110	5.79	1.87	4.40
001010	201	285	< 5	0.2	5.97	450	< 0.5	< 2	0.60	0.5	103	46	310	8.66	1.10	0.70
001011	201	285	< 5	0.2	5.70	300	< 0.5	< 2	0.35	0.5	19	28	52	5.07	1.03	0.46
001012	201	285	< 5	0.8	5.23	340	1.0	< 2	0.76	< 0.5	41	29	205	7.16	1.77	0.93
001013	201	285	< 5	1.0	5.78	280	1.0	< 2	1.56	1.0	47	29	173	6.61	2.13	1.34
001014	201	285	50	0.6	5.12	750	< 0.5	< 2	2.54	1.0	132	42	1190	11.30	1.92	1.90
001015	201	285	< 5	4.0	5.49	450	1.0	< 2	0.37	3.0	77	31	306	11.95	2.58	0.89
001016	201	285	< 5	1.4	5.39	300	1.0	< 2	1.90	1.5	44	25	274	7.30	2.11	1.98
001017	201	285	< 5	1.6	5.40	190	0.5	2	0.58	1.0	52	24	603	9.37	1.47	0.83
001018	201	285	< 5	0.2	4.72	340	0.5	< 2	0.96	< 0.5	65	32	123	5.93	1.74	0.90
001019	201	285	< 5	1.4	6.72	510	1.5	< 2	0.25	1.0	79	42	488	9.52	2.71	1.00
001020	201	285	< 5	11.2	6.25	2830	1.0	< 2	0.71	0.5	141	56	5300	8.27	2.30	0.65

CERTIFICATION: Stuart 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 :4-B
Total Pages :5
Certificate Date: 12-SEP-94
Invoice No. :I9424141
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424141

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		
000969	201 285	4410	5	0.83	103	930	28	102	0.27	86	< 10	228	80		
000970	201 285	2140	< 1	0.44	14	970	16	41	0.12	47	< 10	510	30		
000971	201 285	3600	2	0.37	18	1460	28	45	0.12	46	< 10	766	40		
000980	201 285	8750	3	1.69	65	1720	4	60	0.16	73	< 10	100	80		
000981	201 285	3780	2	1.73	52	1830	4	69	0.18	80	< 10	56	60		
000982	203 205	9200	4	1.93	38	2050	< 2	25	0.14	67	< 10	52	100		
000983	203 205	>10000	3	2.71	49	1680	< 2	24	0.11	69	< 10	66	150		
000984	201 285	6800	1	0.90	20	2270	< 2	32	0.10	37	< 10	70	40		
000985	201 285	9290	1	0.59	69	1330	16	31	0.12	54	< 10	382	40		
000986	201 285	5440	< 1	0.54	26	880	< 2	22	0.14	53	< 10	62	40		
000987	201 285	9510	2	0.75	29	1320	< 2	26	0.14	50	< 10	118	50		
000988	201 285	9280	8	1.31	31	1500	< 2	34	0.13	75	< 10	50	80		
000989	203 205	970	2	3.44	12	1750	< 2	18	0.21	74	< 10	32	30		
000990	203 205	3080	6	2.40	19	1420	< 2	35	0.24	111	< 10	46	60		
000991	201 285	3650	13	1.12	80	1860	10	45	0.26	110	< 10	198	90		
000992	217 285	3750	2	2.33	59	1450	24	48	0.23	82	< 10	62	270		
000993	201 285	1640	7	0.70	22	960	4	43	0.40	121	< 10	32	70		
000994	217 285	1665	2	0.97	18	2480	2	57	0.19	66	< 10	40	20		
000995	217 285	1815	< 1	1.53	8	1610	2	40	0.23	77	< 10	30	20		
000996	201 285	3040	< 1	0.29	10	1870	4	30	0.08	35	< 10	52	60		
001001	201 285	>10000	9	1.85	118	2250	4	31	0.12	128	< 10	100	130		
001002	201 285	>10000	9	1.40	67	2750	8	43	0.17	92	< 10	86	170		
001003	201 285	>10000	6	1.45	122	1690	72	65	0.21	100	< 10	2690	130		
001004	201 285	>10000	3	1.44	73	1240	28	49	0.14	80	< 10	604	90		
001005	201 285	1220	16	0.47	92	2140	56	24	0.17	70	< 10	250	50		
001006	201 285	395	4	0.77	31	1440	40	78	0.27	90	< 10	70	50		
001007	201 285	470	7	0.91	43	1570	390	102	0.31	92	< 10	232	50		
001008	201 285	350	10	0.60	45	1520	66	56	0.27	93	< 10	134	60		
001009	201 285	1400	9	0.90	53	1460	20	27	0.21	85	< 10	74	60		
001010	201 285	4800	9	1.88	70	1250	18	65	0.17	86	< 10	148	60		
001011	201 285	2480	2	2.18	18	1510	14	45	0.16	69	< 10	114	30		
001012	201 285	>10000	< 1	0.83	47	1030	36	36	0.15	48	< 10	192	60		
001013	201 285	5250	4	1.38	51	910	84	36	0.15	47	< 10	656	70		
001014	201 285	7030	27	0.77	54	1560	18	49	0.12	98	< 10	188	130		
001015	201 285	7620	25	0.35	197	1520	196	22	0.17	81	< 10	1155	40		
001016	201 285	4700	7	0.54	71	760	136	33	0.17	60	< 10	516	60		
001017	201 285	7590	6	1.29	52	940	66	32	0.12	62	< 10	270	40		
001018	201 285	7950	6	0.44	46	2620	36	50	0.18	57	< 10	154	40		
001019	201 285	6040	17	0.60	126	1660	86	39	0.18	91	< 10	338	60		
001020	201 285	>10000	< 1	0.55	109	1130	22	71	0.22	70	< 10	192	70		

CERTIFICATION:

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

Certificate Date: 12-SEP-94
Invoice No. :I9424141
P.O. Number :
Account :BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424141

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)
001021	201 285	< 5	1.2	5.62	470	1.0	2	1.22	0.5	37	47	209	6.29	1.88	0.91
001022	201 285	< 5	0.4	5.33	660	0.5	< 2	0.69	0.5	52	64	194	7.18	1.54	0.71

CERTIFICATION: Stuart 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

Certificate Date: 12-SEP-94
Invoice No. : I9424141
P.O. Number :
Account : BM W

Project : FAIRCHALD-UT
Comments: CC: PAMICON CC: D. CAULFIELD CC: M. JONES CC: R. VANCE

CERTIFICATE OF ANALYSIS A9424141

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		
001021	201	285	7240	4	0.62	42	1910	40	63	0.17	73	< 10	218	50		
001022	201	285	8950	< 1	0.56	57	1940	18	75	0.26	78	< 10	108	110		

CERTIFICATION:

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

A9426128

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

CERTIFICATE A9426128

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

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

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

Page Number : 1
Total Pages : 1
Certificate Date: 19-SEP-94
Invoice No. : I9426128
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9426128

SAMPLE	PREP CODE	Cu %
000793	244 --	1.03

CERTIFICATION:

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

A9427058

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

CERTIFICATE A9427058

(BM W) - PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD-UT
P.O. # :

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

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

Page Number : 1
Total Pages : 1
Certificate Date: 03-OCT-94
Invoice No. : I9427058
P.O. Number :
Account : BM W

CERTIFICATE OF ANALYSIS A9427058

SAMPLE	PREP CODE		Cu %									
433220	244	--	1.43									

CERTIFICATION: Albertu

APPENDIX G

GEOLOGIST'S CERTIFICATES

GEOLOGISTS' CERTIFICATE

I, Harvey M. Klatt, of S24-C2, Oliver, 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, Ontario and Minnesota for 9 years.

3. THAT I am a graduate of the University of British Columbia (1986) and hold a BSc in Geology and am a graduate of Queen's University (1992) and hold a M.Sc. in Geology.

4. THAT I am duly registered as a Professional Geoscientist in the Province of British Columbia (#19914).

5. THAT this report is based in part on property work I personally completed between July 1 and August 31, 1994.

6. 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 23 day of January, 1995.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
H. M. KLATT
GEOSCIENTIST

Harvey M. Klatt, P.Geo., MSc