MAP NO.: 106E 1

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093173
MINING DISTRICT: MAYO
TYPE OF WORK: GEOCHEM, GEOLOGY

REPORT FILED UNDER: WESTMIN RESOURCES

DATE PERFORMED: JUNE 12-28, 1993 **DATE FILED:** FEB 02, 1994

LOCATION: **LAT.:** 65°05'N **AREA:** BONNET PLUME RIVER

LONG.: 134°15'W **VALUE $:** 27,700

CLAIM NAME & NO.: HOOVER 1-8(YB28692-699), HOOVER 9-36 (YB28970-997), HOOVER 37-114 (YB29288-365)

WORK DONE BY: M.E. BAKNES, M.A. STAMMERS

WORK DONE FOR: WESTMIN RESOURCES

DATE TO GOOD STANDING:	

REMARKS: GRID ESTABLISHED. 625 SOIL SAMPLES COLLECTED
100 ROCK SAMPLES COLLECTED.

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

M.R. file no.

R.M.M.R. file no.

Date forwarded 28 January 1994

TRANSMITTAL FORM

From ▶ Mining Recorder at: Mayo

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. 093173 — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: Hoover 1-114 — Claim sheet no.: 106-E-1
  - Type of report: Geology / Geochemical
  - Submitted by: Mark E. Baknes, Michael A. Stammers
  - Cls. work performed on
  - $ req. for ren. application: 27,700.00

Signature

REPLY ACTION

Date returned

OFFICE OF THE REGIONAL MINERAL RIGHTS MANAGER FEB 02 1994 WHITEHORSE YUKON TERRITORY

Signature

802-6027-26 (6-86)

1993 SUMMARY REPORT ON THE HOOVER 1-114 CLAIMS

Located in the Wernecke Mountains
Mayo Mining District
NTS 106E/1
65° 05′ North Latitude
134° 15′ West Longitude

-prepared for-
WESTMIN RESOURCES LIMITED

-prepared by-
Mark E. Baknes, P.Geo.
Michael A. Stammers, P.Geo.

DATES OF WORK PERFORMED: June 12-28, 1993
DATE OF REPORT: December 1993

1993 SUMMARY REPORT ON THE HOOVER 1-114 CLAIMS

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1.0 INTRODUCTION

The Hoover mineral claims are located in the Bonnet Plume River valley, approximately 185 kilometres north-northeast of Mayo in east central Yukon (Figure 1). Geologically, the claim group is underlain by a weakly metamorphosed, faulted and folded sequence of Proterozoic sedimentary and volcanic strata that has been intruded by hematite breccias and cut by mafic sills and dykes.

Early exploration lead to the first discovery of copper mineralization (the Irene occurrence) in 1910. Work peaked on the property in the late 1960's with the mobilization of a diamond drill and underground mining equipment. A limited drill program was completed but underground work never proceeded beyond the mobilization stage. Some of the equipment still remains on site.

The geological setting of the Wernecke Mountains is considered excellent for hosting Olympic Dam copper-uranium-gold-silver breccia type deposits and it was on this basis that the original Hoover 1-8 claims were acquired by staking in July 1992. The property has expanded in stages that included the Hoover 9-36 in September 1992, the Hoover 37-114 in October 1992 and the Hoover 115-186 in October 1993.

An initial work program in 1992 included lithogeochemical sampling, limited chip sampling, prospecting and geological mapping. Significant copper-gold mineralization, related to structural and replacement zones in Fairchild Lake Group sediments were identified within an open ended, 1800 m long by 200 m wide belt of rocks. On the basis of these favourable results, a follow-up program was undertaken in 1993, comprised of orthophoto mapping, grid establishment, geological mapping, lithogeochemistry, soil geochemistry, geophysical surveys and prospecting.

All work programs have been jointly conducted by Pamicon Developments Ltd. and Equity Engineering Ltd. on behalf of Westmin Resources Limited. The same companies have been retained to report on the fieldwork activities.

2.0 LIST OF CLAIMS

During the 1993 exploration program, the Hoover property comprised 114 contiguous quartz mineral claims located in the Mayo Mining District (Figure 2). Government records indicate that these claims are owned 50% each by Pamicon Developments Ltd. and Equity Engineering Ltd. of Vancouver, B.C. Separate documents indicate that the claims are held under option by Westmin Resources Limited of Vancouver, B.C.

Following the 1993 work program, an additional 72 claims (Hoover 115-186) were staked, on behalf of the joint venture, to

WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

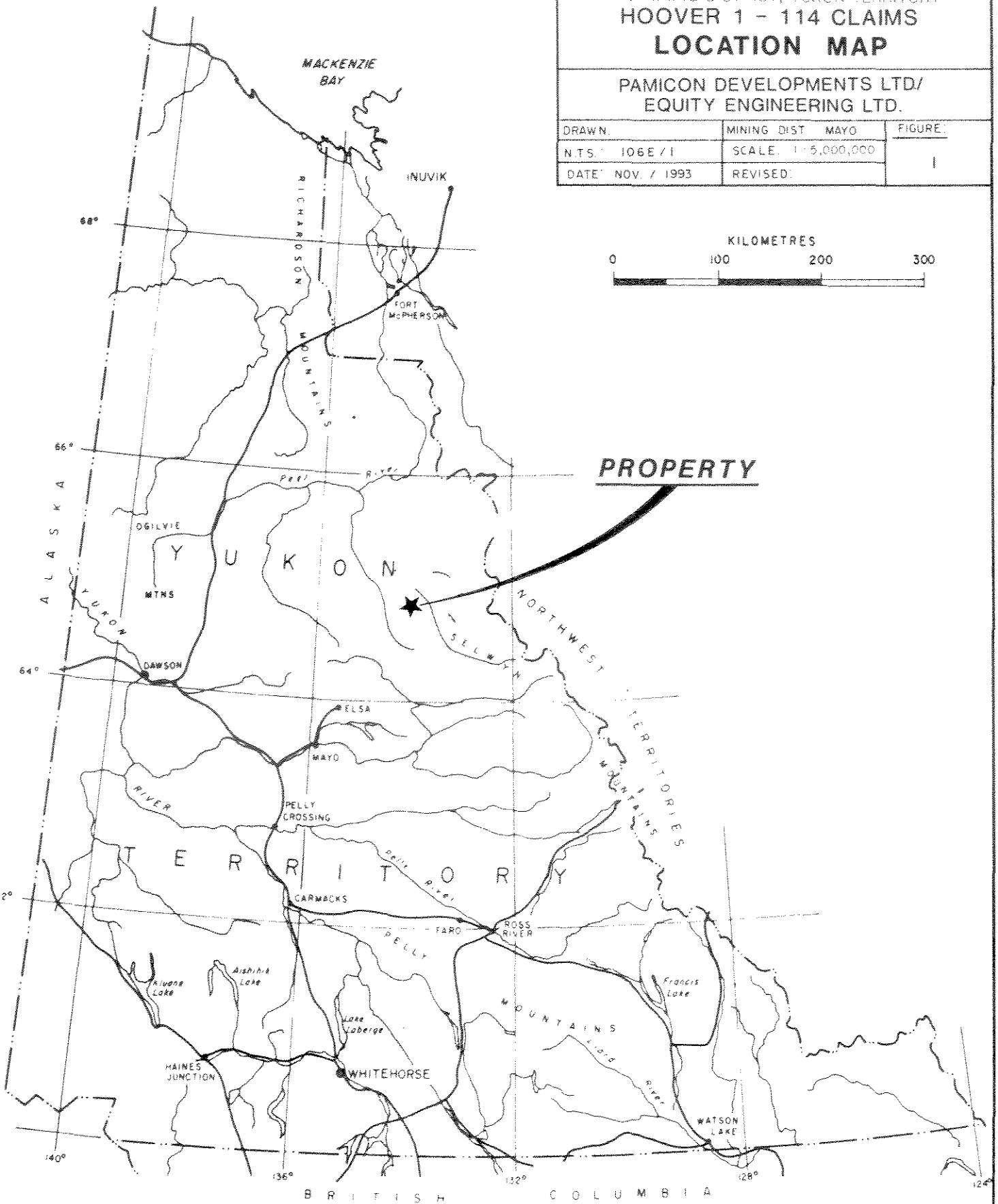
MAYO MINING DISTRICT, YUKON TERRITORY

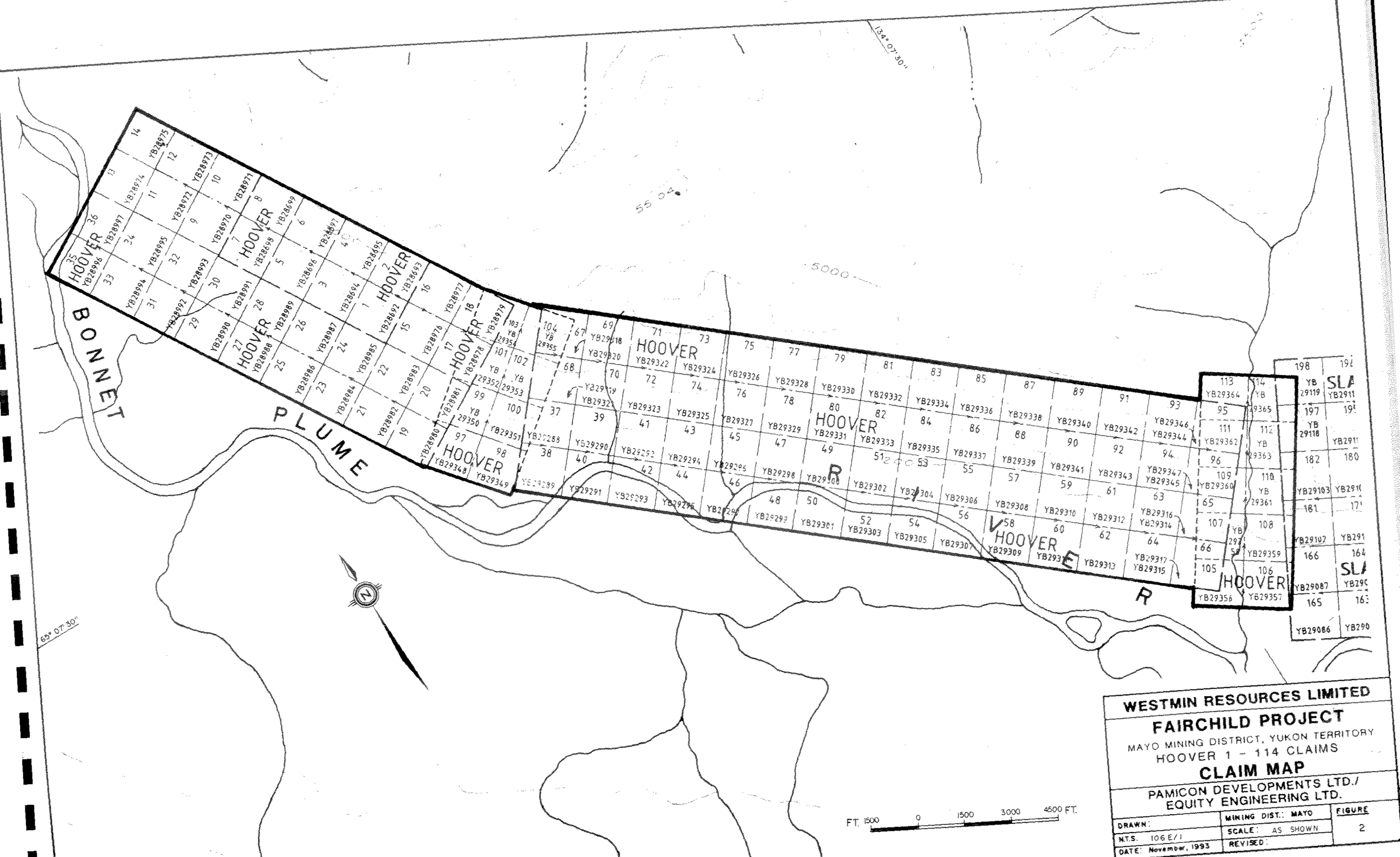
HOOVER 1 - 114 CLAIMS

LOCATION MAP

PAMICON DEVELOPMENTS LTD/
EQUITY ENGINEERING LTD.

DRAWN.	MINING DIST. MAYO	FIGURE:
N.T.S.: 106E/1	SCALE: 1:5,000,000	1
DATE: NOV. / 1993	REVISED:	





WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

HOOVER 1 - 114 CLAIMS

CLAIM MAP

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE
N.T.S. 106 E/1	SCALE: AS SHOWN	2
DATE: November, 1993	REVISED:	

cover favourable ground. These claims are presently registered under the staker's name, M. Stammers of North Vancouver, B.C. The following table lists the claims by name, number, record date, expiry date and map sheet designation.

TABLE 2.0.1
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Date	NTS
Hoover 1 - 8	YB28692-699	07/06/92	12/31/01*	106E/1
9 - 36	YB28970-997	09/14/92	12/31/97*	106E/1
37 - 46	YB29288-297	10/19/92	12/31/97*	106E/1
47 - 62	YB29298-313	10/19/92	12/31/96*	106E/1
63 - 66	YB29314-317	10/19/92	12/31/95*	106E/1
67 - 76	YB29318-327	10/19/92	12/31/97*	106E/1
77 - 80	YB29328-331	10/19/92	12/31/95*	106E/1
81 - 84	YB29332-335	10/19/92	12/31/95*	106E/1
85 - 90	YB29336-341	10/19/92	12/31/96*	106E/1
91 - 96	YB29342-347	10/19/92	12/31/95*	106E/1
97 - 104	YB29348-355	10/19/92	12/31/97*	106E/1
105 - 114	YB29356-365	10/19/92	12/31/95*	106E/1
115 - 186	YB22704-775	10/12/93	10/12/94	106E/1

* Subject to approval of assessment work covered by this report

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Hoover property is located in the Wernecke Mountains of east central Yukon, approximately 185 kilometres north-northeast of Mayo (Figure 1). The claim group is located 24 kilometres west-northwest of Fairchild Lake and 9 kilometres southeast of Quartet Lakes on a south facing slope of the Bonnet Plume River valley. Coordinates are 65° 05′ north latitude and 134° 15′ west longitude.

The project area is accessible from Mayo by float plane to Fairchild Lake and by wheeled aircraft to the 800 metre long, gravel airstrip at Bear River. Other airstrips in the area including the nearby Bonnet Plume strip are no longer serviceable. The village of Mayo may be reached by charter air service from Whitehorse and is located on the Silver Trail Highway (#11), a branch of the Klondike Highway (#2).

Access during the 1993 field program was by DC3 aircraft from Mayo to the Bear River airstrip and then by helicopter 13 kilometres northeast to a base camp established on Breccia Creek. The Hoover property lies 18 kilometres north-northwest of the base camp and was reached by helicopter.

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 early 1960's was utilized again during work on the Snake River (Crest) iron deposit. In the late 1960's, several spur trails and airstrips were constructed providing access to the Dolores Creek, Wind River, and Bonnet Plume (Hoover) 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 in 1979 and 1980.

Elevations on the Hoover property range from 560 to 1050 metres above sea level and relief is gentle to moderate to locally steep. The western claims area lies in the Bonnet Plume River floodplain and is essentially flat. This part of the Yukon did not receive continental Pleistocene glaciation, but was subjected to significant alpine glaciation to form the wide U-shaped valleys of the Bonnet Plume and Wind Rivers. A few receding alpine glaciers are present on north facing slopes.

Most of the property lies above tree line with the exception of the lower slopes and the valley bottom where the vegetation consists of stunted spruce, wild rose, arctic sage, 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 early October the best months for exploration on the lower slopes of the property. Higher elevations are accessible June through September. The average daily January and July temperatures for Mayo are -29°C and 15.2°C with annual precipitation of 306.3 millimetres, of which 40% is snow.

4.0 AREA AND PROPERTY EXPLORATION HISTORY

4.1 Area Exploration History

The first copper occurrences were noted by trappers working in the region at the turn of the century. In 1935, the McCluskey Lake copper occurrences were staked and the Bonnet Plume and Wind River area received sporadic exploration for copper over the next 20 years. Exploration activity was stimulated in the early 1960's when California Standard Company through their subsidiary Crest Exploration Limited worked on their world class banded iron formation 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 1960's, 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 of 1975 to 1980, a number of major companies (i.e. Urangesellschaft, Noranda) and joint ventures (i.e. Wernecke Joint Venture, Mountaineer Mines-Pan Ocean Oil Ltd.) were involved in exploration of breccia-related uranium mineralization. At this time, Pan Ocean drilled coal reserves on their leases to outline in excess of 500 million tonnes of low sulphur, high volatile bituminous coal in Cretaceous strata in the Bonnet Plume Basin located north of the Wernecke Mountain Range.

The 1980's saw very limited work throughout the project area. Archer-Cathro, Texaco and Cyprus Gold embarked on limited exploration campaigns to test the gold potential of some of the known uranium or copper occurrences. The lack of recent exploration activity has allowed most of the staked areas to come open.

4.2 Property Exploration History

The Hoover property area was first staked around 1910 as the Irene (12046) claim and was staked again in 1969 by G. Van Bibber and optioned by Bonnet Plume River Mines Ltd., which carried out geological mapping, prospecting, and diamond drilling (Assessment Reports 60187 and 61618). Eight drill holes, totalling 434 metres, were completed at this time. Sampling results were encouraging with DDH 2 returning 2.30% Cu over a true thickness of 6.93 metres Underground track mining equipment and fuel were mobilized by winter road to the property and a portal site and airstrip were prepared. It is uncertain as to why the project was terminated and much of the equipment abandoned on site. The property was restaked in 1973 by Van Bibber, who performed minor trenching from 1974 to 1976. The area was overstaked by the Wernecke Joint Venture in 1975 (Chalco claims) and finally restaked in 1978 as the Tag claims by Van Bibber who kept the claims in good standing through payment-in-lieu. The Tag claims were purchased by Westmin Resources Limited in 1992 and later abandoned and restaked as a portion of the Hoover claim group.

In 1992, Westmin Resources Limited carried out a preliminary exploration program on the Hoover property, consisting of lithogeochemical sampling, chip sampling, prospecting and geological mapping (Stammers, 1992). A total of 55 lithogeochemical, 38 grab samples and 9 chip samples was taken.

5.0 1993 EXPLORATION PROGRAM

During the period June 11-28, 1993 Westmin Resources Ltd. carried out a field exploration program on the Hoover property,

consisting of grid establishment, soil geochemistry, lithogeochemistry, geological mapping and ground geophysics. Prior to the field season, orthophoto mapping of a portion of the claim group was completed.

For purposes of reporting, the property has been divided into two map areas that will be discussed separately. These properties, from north to south, are the Hoover and Bon properties.

Orthophoto mapping utilizing existing government aerial photographs was completed over the Hoover grid by the Orthoshop of Calgary, Alberta. Contour base maps with and without photography were prepared at 1:5000 and 1:10000 scales with a contour interval of 20 metres. The approximate map area totalled 6.6 square kilometres, extending 4.4 kilometres north-south and 1.5 kilometres east-west.

Grid establishment in the Hoover central area included the emplacement of a 2.6 kilometre long cut, secant-chained and picketed baseline and seven crosslines totalling 4.2 kilometres. Linecutting work was undertaken by Courier des Bois Contracting Ltd. of Whitehorse, Yukon. An additional 9.7 kilometres of slope corrected, belt chain measured, compassed and flagged crosslines were run to complete the grid work. On the Bon grid, a 6.8 kilometre baseline was established along an existing claim line and eighteen crosslines totalling 16.9 kilometres were emplaced. Lines were measured with a belt chain, slope corrected, and marked with flagging tape.

On the Hoover grid, 275 soil samples were taken every 50 metres on lines 100 metres apart. At the Bon grid, 350 soil samples were collected every 50 metres on lines 400 metres apart. Samples were collected, where possible, from "B" horizon material at depths ranging from 10 to 40 centimetres and placed in numbered kraft envelopes. The sample site was marked in the field with plastic flagging or on a metal tag attached to a wood picket. The sampler recorded notes pertaining to sample horizon, colour, texture, vegetation, and local physiography. Samples were partially dried in camp and then shipped to Chemex Labs of North Vancouver, B.C. for sample preparation and analysis. Two soil samples from the Hoover grid returned copper values over the detection limit and were subsequently assayed. Analytical procedures and a complete set of results for gold, lanthanum and 24-elements by ICP geochemistry are listed in the appendices.

Geological mapping was completed on the Hoover grid at 1:2500 and preliminary mapping at 1:20000 scale was initiated at the Bon grid.

A total of 96 rock samples was collected on the Hoover property and includes: 50 lithogeochemical samples, 28 chip samples and 22 grab samples. Four rock samples were taken on the

Bon property. All samples were shipped to Chemex Labs (as above) and analyzed for gold-lanthanum plus 24-elements by ICP geochemistry. Ten overlimit assays were performed for copper. Rock descriptions, analytical procedures and complete results are included in the appendices of this report. The statistical analysis and computer drafting was completed by Westmin Resources Limited.

Induced polarization/resistivity (IP) and magnetometer (mag) surveys were completed on the Hoover grid by Scott Geophysics Ltd of Vancouver, B.C. IP coverage totalled 5.3 kilometres on seven lines and magnetic coverage comprised 13.9 line kilometres. A geophysical report, including maps, instrumentation and procedures is included in appendix G.

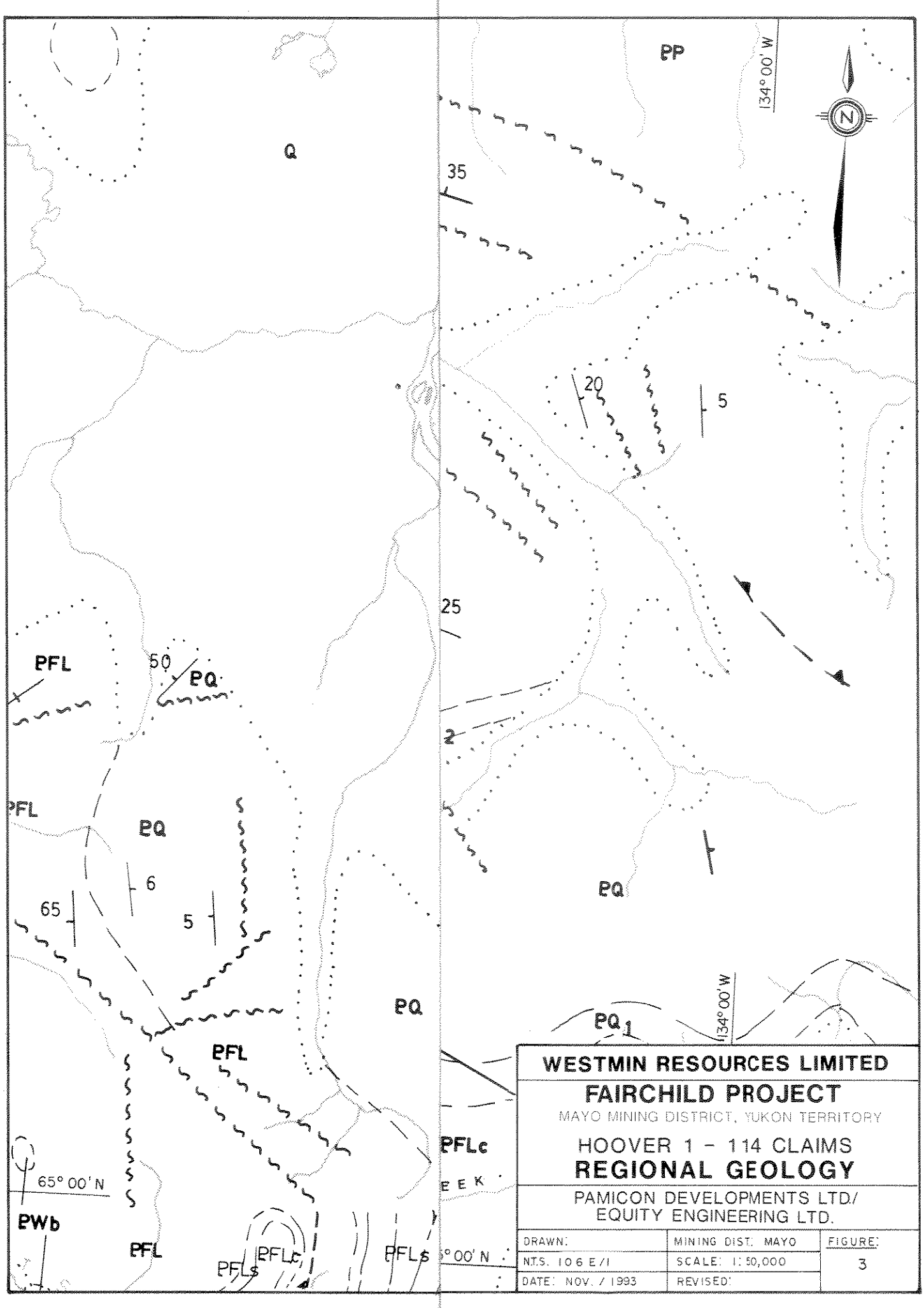
6.0 REGIONAL GEOLOGY

This summary of the regional geology is based on work by Delaney (1985), Thorkelson and Wallace (1993) and by Pamicon Developments Ltd. (unpublished, 1977). References to earlier work are cited by Delaney.

The Wernecke Mountains are cored by at least 14,000 metres of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by hematite breccias and cut by mafic sills and dykes (Figure 3). The entire succession has been named the Wernecke Supergroup and has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. To the east and south, the Hadrynian Pinguicula Group 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 portion of the 1:100,000 regional geology completed by Pamicon Developments Ltd. in 1977 and modified in 1993 incorporating work by Thorkelson and Wallace.

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. These faults separate the Wernecke Supergroup from younger Proterozoic rocks to the east. In the western part of the area, Lower Paleozoic rocks unconformably overlie the Wernecke Supergroup, forming spectacular angular unconformities. On a regional scale, sediments dip away from the Bonnet Plume valley causing the Proterozoic rock units to be exposed in a northwest



WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

HOOVER 1 - 114 CLAIMS

REGIONAL GEOLOGY

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST. MAYO	FIGURE:
N.T.S. 106 E/1	SCALE: 1:50,000	3
DATE: NOV. / 1993	REVISED:	

LEGEND

(to accompany 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 (?) PP

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, interbedded with subordinate black weathering siltstone and shale, green, grey and brown weathering laminated mudstone, and grey to white weathering quartzose sandstone.

- **PGLbm** Southwest of Bear River, brown to black weathering laminated mudstone and shale
- **PGLgm** Southeast of Bear River, green, grey and brown weathering laminated mudstone
- **PGLs** Black weathering siltstone and shale
- **PGLb** Basal Gillespie 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 cross laminated light grey weathering siltstone and fine-grained sandstone. Grades upward into basal Gillespie Lake Group.

- **PQ1** Black shale with sandstone and shale interbeds, quartzite
- **PQ2** Pyritic quartzite

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, and interbedded with dark grey weathering shale and siltstone, below conformable contact with Quartet Group.

- **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 to Proterozoic to Mesozoic

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

Fine- to medium-grained gabbro, diorite and basalt

Middle to Late Proterozoic

Wernecke Breccia

PWb Mottled red, green and grey weathering hematitic and dolomitic siltstone and dolostone-clast breccia, and related metasomatized country rock. Breccia and metasomatites host copper, uranium, cobalt, silver and gold mineralization.

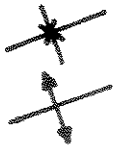
SYMBOLS

stratigraphic or intrusive contact
known, approximate, assumed

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

reverse fault (teeth on hanging wall)

bedding
inclined, overturned, vertical



fold axis
syncline

anticline

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

106C/13, E/1, F/4 After Pamicon Developments 1977

trending anticlinal structure.

7.0 PROPERTY GEOLOGY

7.1 Hoover

The Hoover claim group is underlain by a metamorphosed, altered and folded sequence of Proterozoic Wernecke Supergroup sediments, which are cut by hematite breccias and dioritic intrusives (Figure 4). Stratigraphy generally strikes northwest with moderate to shallow northeast dips. The property is underlain mainly by Proterozoic Wernecke sediments belonging to the Fairchild Lake Group. The main lithologies are dolomite with interbedded phyllite-slate (**Unit Fdo**), green-grey slate-laminated cherty argillite (**Unit Fsl**), silver grey magnetite-bearing phyllite (**Unit Fphm**), light green-grey siltstone-cherty argillite with local interbedded carbonate (**Unit Fchc**) and light brown to grey carbonate-rich siltstones and mudstones (**Unit Fcb**). The dolomite-phyllite units correspond with the Fairchild Lake transitional zone (Pftr), which occurs at the top of the Fairchild stratigraphy. Quartet Group sediments outcrop upslope from and northeast of the claim boundary and are largely comprised of dark grey weathering shale and siltstone. A semi continuous tabular mass of steeply dipping breccia, ranging from 25 to 100 metres in width, is exposed from lines 6800N to 8000N, and likely extends beyond.

Light brown to grey carbonate-rich siltstones and mudstones (**Fcb**) underlie a small area at the northern end of the grid. The sediments are well bedded to massive and they appear to form the framework component in adjacent breccias. Carbonate-rich fragments in breccias in the southern part of the grid, are thought to result from carbonate alteration of siliceous sediments.

Light green-grey siltstone-cherty argillite with local interbedded carbonate (**Fchc**) underlies the area on the southwest side of the main breccia mass. This unit has a distinctive hackly fracture, and ranges from massive to rhythmic bedded with calcareous interbeds that are locally altered and mineralized with magnetite, chalcopyrite, muscovite and rarely garnet. The unit is often quartz-albite ± K-feldspar altered, imparting a distinctive chalky white to pinkish colour. Whereas the bedding and foliation orientations of the other lithologies average 130°/40°NE, the foliation and bedding attitudes within the Fchc unit average 020°/60°W. This contrasting attitude is likely a result of folding, as is locally evident, or the presence of an unconformity, separating sediments on either side of the breccia. Carbonate sediments or carbonate altered siliceous sediments occur at a number of localities on the southwest side of the main breccia and to a minor extent within the main breccia, as carbonate breccias. Because the true nature (alteration or primary lithology) of these sediments is still unclear they are not distinguished as a separate

unit.

The silver grey magnetite-bearing phyllite unit (**Fphm**) lies on the immediate northeast side of the breccia and is exposed south of line 7200N. This unit has a distinctive silver grey colour due to high muscovite content, a papery phyllitic cleavage, and a variable component of 1-2 mm magnetite porphyroblasts. It may be that this unit is not a distinct lithology, but an altered equivalent of the green slate unit (Fsl).

The green-grey slate unit (**Fsl**) is the next unit up section from the silver grey phyllite unit. It varies from dark green to greenish grey, is massive fine grained, to finely laminated with slaty to characteristic blocky fracture. The green slate unit is not host to significant mineralization, however, malachite staining is locally developed.

The Fairchild Lake Group Transitional Zone outcrops at the extreme northeast of the claims and comprises brown weathering dolomite and interbedded shale, black pyritic shale and a distinctive (10 metre thick) limestone unit. Although mapping did not extend as far, black-dark grey sediments of the Quartet Group form the cliffs and ridges to the northeast of the property.

Diorite to gabbroic intrusive rocks (**Idi**) are a minor component and occur as irregular dyke-like bodies in both sedimentary rocks and hematite breccias. Diorites are dark green, medium grained, equigranular intergrowths of chloritized amphiboles, interstitial plagioclase and minor magnetite and biotite.

An isolated outcrop of a felsic magnetite-bearing dyke is exposed at 7600N, 5120E. The dyke is comprised primarily of medium granular albite or K-feldspar, minor quartz, chlorite and Fe-carbonate, supporting 5-15%, 0.1-1 cm, crystal aggregates of magnetite. This dyke may represent a felsic oxidized magma or alternatively a highly evolved hydrothermal-magmatic differentiate.

Breccias on the Hoover claims are highly variable in terms of mineralogy and degree of brecciation. The main body of breccia is comprised of heterolithic breccias (**Unit Bht**), having distinct matrix and framework component, a high degree of fragmentation, and a fairly consistent fragment size distribution. Locally within the main breccia body and over a large area on the southwest side of the breccia, breccias are largely homolithic (**Unit Bhm**) crackle breccias. The majority of the heterolithic breccias are described as sodic breccias and typically have a matrix of chalky white granular albite, lesser quartz, muscovite, chlorite, fine grained disseminated specular hematite and rarely magnetite. These breccias are typically matrix supported, fragments are angular to subangular, have an average size range of 1-15 cm and consist of moderately to strongly altered and bleached sedimentary fragments.

In some breccias fragments are partially or wholly replaced by massive specular hematite, and rarely magnetite.

Homolithic breccias are not easily divisible into sub-types, however, during mapping at least two possible subtypes were noted, based on differences in alteration. Carbonate breccias are light grey to light brown, the matrix is recessive relative to the framework, and they are usually framework supported. The matrix is a granular intergrowth of carbonate, quartz, albite, chlorite and minor specular hematite. Fragments are often large, 15 cm to greater than 1 metre, consisting of calcareous to dolomitic bedded siltstones (or carbonate altered sediments). These breccias occur at the southwest contact of breccia on line 7600N, south of the base line between lines 7800N and 8100N, and the northeast end of lines 8500N and 8600N. On line 7600N, carbonate breccias and the sodic breccias have a complex contact relation, but in general it appears carbonate breccias postdate sodic breccias. Carbonate breccias are associated with brannerite mineralized aplite dykes and stringers at the northwest end of the property and with strong chalcopyrite mineralization at the southwest contact of the heterolithic breccia on line 7600N. A second homolithic breccia subtype is the blue-grey breccia. This breccia has a distinctive grey-blue colour, likely caused by finely disseminated specular hematite. The breccia is typically a crackle breccia with a minor matrix component of quartz, carbonate, feldspar, chlorite and minor specular hematite. The blue-grey breccia and the carbonate breccias may be equivalents differing only in the concentration of specular hematite. The blue grey breccias are most notable near the base line between lines 8000N and 8100N. This area contains several samples assaying in excess of 1% copper.

7.2 Bon

The Bon grid was not systematically mapped, however, the general geology noted during the soil sampling program has been combined with regional structures (Figure 5). Almost the entire grid is underlain by Quartet Group phyllites (**Unit Qph**), shales (**Unit Qsh**), siltstones (**Unit Qst**) and quartzites (**Unit Qqz**). A small expanse of undifferentiated Fairchild Group schists (**Unit Fxx**) is exposed at the southwest corner of the grid, suggesting that Fairchild Group rocks may underlie the grid south areas. Small exposures of heterolithic (**Unit Bht**), homolithic (**Unit Bhm**) and chaotic breccias (**Unit Bhc**), similar to those on the Slab property, were noted on lines 8400E, 9800E, 11800E and 12200E. Igneous rocks include possible diorite-gabbro (**Idi**) on line 11800E, felsic dykes (**Ife**) on line 8800E and a possible monzonite or diorite (**Imo**) exposed in a gully near line 9200E.

8.0 MINERALIZATION

8.1 Hoover

Albite alteration is the most well developed alteration on the Hoover property. Albite is a common matrix constituent of the heterolithic breccias, but also affects unbrecciated sediments. Towards the northeast ends of lines 7500N and 7600N, albite alteration, within green slates, occurs as a conformable zone of intense and pervasive albite-quartz ± chlorite-carbonate alteration. Traces of coarse grained chalcopyrite and brannerite are associated with this alteration. At the far northeast corner of the property aplitic dykes, replacement bodies and aplite breccias form several outcrops in association with carbonate breccias, grey slates and phyllites. The aplites are a granular intergrowth of albite, quartz, late stage carbonate and quartz stringers. Brannerite occurs locally as 1-5 mm crystals and crystal aggregates with rare hematite and pyrite. Moderate to strong albite, with minor quartz sericite alteration pervades the Fchc unit southwest of the breccia and intensifies northeast of the baseline, between lines 7000N and 7200N. In this area the alteration preferentially pervades along calcareous bedding and includes muscovite and magnetite in addition to quartz-albite. Preferential albitization along bedding at Hoover resembles the alteration style on the Slab property to the southeast. Chlorite alteration is a minor constituent in both the carbonate breccias and pervasive albite alteration zones. The strongest chlorite alteration occurs in heterolithic breccias near diorite intrusives. This relation, among others, suggests brecciation was nearly coincident with emplacement of the diorite bodies. Carbonate alteration occurs as a matrix phase in all breccias, but especially in the carbonate and grey-blue breccias. The framework rocks of these breccias resemble calcareous and dolomitic sediments, but they may actually be pervasively carbonate altered. A dolomite/iron carbonate vein/fault forms the southwest contact of the main breccia body, between lines 7450N and 7650N. This vein/fault is associated with blebby chalcopyrite mineralization, a complex of sodic and carbonate breccias and carbonate altered sediments. Cordierite porphyroblasts that occur in the northeast extreme of the grid resemble the presumed contact metamorphic minerals that are notable at the Slab and Eagle properties.

Mineralization on the Hoover grid occurs in several zones, parallel to both the regional strike and the trend of the main breccia body (Figure 6, 7). The main sulphide is chalcopyrite with minor pyrite and oxides including specular hematite, minor magnetite and brannerite. Chalcopyrite mineralization occurs both in crackle brecciated to non-brecciated sediments outside of the main breccia body and to a minor extent within and on the margins of the main breccia body. Typically chalcopyrite occurs in the matrix of crackle breccias, where it may form a network texture, as brittle fracture fillings in fault zones, or as coarse blebs and

lenses in carbonate breccias and vein/faults. Based on calculated correlation coefficients gold correlates with zinc, copper, bismuth, tungsten and cobalt, in decreasing order of significance. Zinc has a strong correlation with both bismuth and copper (Appendix F). Four mineralized zones (A - E) are distinguished based on the results of rock geochemistry, geology and soil geochemistry.

Zone A is centred on 6300N, 5130E, on the southeast side of a prominent gully. The best sample results are a 5 metre chip sample containing 0.64% copper and 45 ppb gold. Chalcopyrite occurs as disseminations in crackle-brecciated sediments, perhaps related to a fault trending 060°. The mineralization extends over at least a 25 metre area, however, the true extent is difficult to determine because of steep slopes. Cliffs to the grid south are extensively stained with malachite and areas to the grid east contain minor chalcopyrite mineralization.

Zone B is located in the area around line 6800N and the base line. Two chip samples across 1.1 metres and 1.25 metres assayed 6.5% copper, 160 ppb gold and 1.6% copper, 950 ppb gold respectively. A third chip sample over 3 metres returned 0.82% copper. The mineralization is in crackle-brecciated carbonate altered sediments. Chalcopyrite occurs in quartz-carbonate brecciated vein-faults. Mineralization has an approximate orientation of 120°/55°NE and extends at least 25 metres along strike. Bonnet Plume River Mines Ltd. drilled 3 holes to test the B zone mineralization. Significant results from this drilling are shown below in table 8.1.1.

TABLE 8.1.1
ZONE B 1969 DRILL RESULTS

Drill Hole	FROM (m)	TO (m)	Width (m)	Cu (%)	Au (g/t)
DDH 5	22.2	29.6	7.3	0.35	
DDH 5	71.6	75.1	3.5	0.90	
DDH 6	3.5	9.6	6.1	0.29	
DDH 6	12.2	15.4	3.2	0.33	
DDH 6	30.6	32.3	1.7	2.4	
DDH 7	11.7	29.6	17.9	0.24	
DDH 7	74.1	75.6	1.5	1.60	

Zone C is an elongate zone that extends between lines 6900N and 7200N, at 5200E. Chip sample results include: 2.49% copper and 525 ppb gold across 1.5 metres; 5.63% copper and 1010 ppb gold across 1.5 metres. Representative grab samples average roughly 0.15% copper. High grade float samples, ranging from 1.68-3.13% copper and 15-20,200 ppb gold, have also been collected in float

from the C Zone, however, in situ mineralization of such high grade has not been found. The C Zone mineralization spans a distance of 125 metres, controlled by a 125° trending brittle fault structure, exposed on line 6900N. Irregular chalcopyrite mineralization averaging 0.5%, but locally 2-5%, occurs as blebs and fracture coatings associated with crackle brecciation and fracturing of cherty sediments. Alteration consists of strong, pervasive albite alteration, preferential quartz-albite-muscovite-magnetite replacements along thin calcareous beds and quartz-albite ± muscovite-magnetite stringer stockworks. The copper mineralization in this zone is significant, however, it is irregular, and a true estimation of the grade and continuity of the zone is difficult to determine.

Zone D extends from line 7500N to line 7625N, at approximately 5100E. Chip sample results include: 0.63% copper, 135 ppb gold across 1.3 metres; 1.32% copper, 1270 ppb gold across 3.0 metres; and 0.45% copper, 95 ppb gold over a 3 metre square panel sample. Zone D is situated at the southwestern contact of the main breccia, which is marked by an iron-carbonate vein-fault, with orientation 110°/50°N. The zone consists of a complex contact relationship between sodic and carbonate breccias, that are affected by both pervasive, and stockwork quartz-albite-carbonate alteration. Chalcopyrite occurs as massive pods in carbonate veins and as fracture fillings, disseminations, chalcopyrite-quartz-calcite-albite reticulate stringers in crackle and fault-related breccias. Concentrations of specular hematite are on average much lower than in the sodic, heterolithic breccias up slope.

Zone E is a long but poorly exposed zone that extends from line 7850N, 4925E to 8400N, 5000E. Three areas within this zone, the Blue, Base Line and Irene showings returned high grade assays of copper, the results of which are shown in table 8.1.2.

TABLE 8.1.2
ZONE E ROCK GEOCHEMISTRY

Sample Number	Area	Type	Width	Cu(%)	Au(ppb)
548048	Irene	select		0.83	130
548050	Irene	select		11.70	615
546026	Blue	chip	1.0 panel	1.25	40
546027	Blue	chip	1.0	3.09	105
546028	Blue	chip	1.0	1.39	70
546029	Blue	chip	1.0	1.04	5
546030	Blue	chip	1.0	2.66	30
546031	Blue	chip	1.0	0.73	5
546033	Blue	chip	1.0	2.66	205
546034	Blue	chip	1.0	1.04	75
546035	Blue	chip	1.0	0.80	25
546036	Blue	chip	1.0	1.32	5
546037	Blue	chip	1.0	0.21	5
546038	Blue	chip	1.0	0.67	5

TABLE 8.1.2 cont.'d
ZONE E ROCK GEOCHEMISTRY

Sample Number	Area	Type	Width	Cu(%)	Au(ppb)
546039	Blue	chip	1.0	1.44	20
546040	Blue	chip	1.0	1.71	35
547655	B.L.	grab		1.06	25
546405	B.L.	grab		0.59	30
547651	B.L.	grab		3.42	25
547652	B.L.	grab		4.31	150

The Irene showing is an area that was drilled in 1969. Highlights of the drilling are shown below in Table 8.1.3. At the Irene showing, alteration of the host slates and cherty sediments occurs as strong pervasive, and stringer/vein quartz-albite-chlorite-Fe-carbonate ± K-feldspar. Chalcopyrite mineralization occurs as massive pods in carbonate veins and as blebs and disseminations in fractured and stockwork zones. The strongest mineralization at the Irene showing consists of a roughly 1 metre thick Fe-carbonate vein, trending 023°/68°W, that contains massive pods of chalcopyrite.

TABLE 8.1.3
IRENE SHOWING 1969 DRILL RESULTS

Drill Hole	FROM (m)	TO (m)	Width (m)	Cu (%)	Au (g/t)
DDH 1	9.4	11.6	2.2	3.3	1.3
DDH 2	12.2	15.2	3.0	4.8	
DDH 2	15.2	18.0	2.8	0.93	
DDH 3	9.4	11.6	2.2	5.0	

The Blue showing is approximately 200 metres grid north of the Irene showing. Mineralization is hosted in a grey blue zone of heterolithic and homolithic breccias exposed along a 12 metre long, irregular outcrop scarp. Matrix minerals are primarily carbonate, albite and quartz with lesser chlorite and specular hematite. The breccia framework is comprised of grey and bluish-grey carbonate rich and or altered sediments. Chalcopyrite occurs as irregular blebs and as a matrix component, where it locally forms a continuous network-like texture. The trend of the zone is not evident however similar mineralization at the Base Line showing indicates a possible northwesterly trend.

The Base Line showing is situated on the base line centred at 8350N. Mineralization occurs in large slumped boulders derived from a very local source. Homolithic and heterolithic breccias with sparry carbonate and quartz-albite matrix, and a framework of bluish-grey carbonate rich sediments host the chalcopyrite mineralization. Aplite vein/dykes similar to that noted on Line

9000N cut the breccias. Chalcopyrite is poddy and often closely associated with sparry carbonate. The trend of the mineralization can not be defined, but mineralized boulders occur discontinuously over a 100 by 30 metre area.

8.2 Bon

Mapping surveys were not completed on the Bon grid and as such the extent of alteration and mineralization is not well defined (Figure 5). The northern sections of lines 9800E and 10200E are underlain by silicified Quartet sediments and quartz healed breccias. Minor chalcopyrite in quartz-carbonate stringers occurs on line 15000E, 4620N, in Fairchild Group sediments. There is no obvious source thus far noted to explain the anomalous soil geochemistry results at the east end of the grid. Selective mapping and prospecting will be required to explain the soil geochemistry.

9.0 SOIL GEOCHEMISTRY

9.1 Hoover

A total of 266 soil samples were collected on the Hoover grid (Figure 8, 9). Samples were taken at 50 metre intervals on 100 metre line separation. Thresholds based on 5th, 16th, 50th, 84th and 95th percentile were used to determine anomalous areas for copper and gold (Table 9.1.1). Correlation coefficients calculated for the soil data indicate that gold has a positive correlation with both copper and cobalt. Copper has a weak correlation with barium. Gold-bismuth correlation noted in rocks is not evident in soils. Tungsten concentrations were all below detection (10 ppm) in soils and therefore the positive gold-tungsten correlation in rocks could not be demonstrated in soils. Strong correlations of zinc, in rocks, with gold, bismuth and copper were not evident in soils, perhaps because of the high mobility of zinc in soils.

Three extensive and strong copper-gold anomalies are defined by the 84th percentile values of soil geochemistry: north-central, central and south-central. It should be noted that a lower threshold would allow all three anomalies to be contained within one contour. Two less prominent anomalies lie at the extreme north and south ends of the grid. The south anomaly is a moderate and discontinuous, copper-gold anomaly at the extreme south of the grid. The north anomaly is a weak to moderate copper anomaly with no associated gold.

TABLE 9.1.1
HOOVER SOIL GEOCHEMICAL THRESHOLD LEVELS

PERCENTILE	COPPER	GOLD	RATING
5th	36	5	
16th	53	12	
50th	138	27	
84th	958	101	Anomalous
95th	2029	330	Strongly anomalous

The south anomaly, which lies south of the south-central anomaly, is somewhat discontinuous anomaly that covers a large area at the south end of the grid and extends to grid east beyond sample coverage. Copper values range as high as 1841 ppm, with a coincident gold value of 225 ppb. Soil anomalies correspond with local concentrations of chalcopyrite in brittle fault zones (A Zone) and crackle breccias.

The 84th percentile contour (Cu > 958 ppm) of the south central anomaly forms a lens-shaped, north-northwest trending anomaly, extending between lines 6700N and 7350N, from 4850E to 5225E. Anomalous gold is coincident with the copper, but the 84th percentile gold contour is much more restricted and centred on the upslope side of the copper anomaly. Soil conditions west of the western limit of sampling are poor, consisting of muskeg and permafrost, however, the westernmost samples on all of these lines are strongly anomalous in copper. The soil anomaly lies toward the downslope side of both the B and C mineralized Zones, discussed in section 8.1. This area of discontinuous, fracture controlled chalcopyrite mineralization is associated with areas of strong albite-quartz with lesser sericite, carbonate and magnetite alteration of the Fchc unit. The continuity and extent of this anomaly indicate the presence of a large and perhaps more continuous area of mineralization, than is evident in limited exposure. This area of mineralization lies outside of and on the western margin of the main heterolithic breccia body.

The central anomaly, as defined by the 84th percentile copper contour, forms a roughly circular anomaly extending between 7500N and 7750N and 4875E to 5125E. Similar to the south central anomaly, gold is coincident with copper, but is confined to a smaller area and lies towards the upslope side of the copper anomaly. The grid west extent of the anomaly is defined by non anomalous samples, however, poor soil conditions exist toward the extreme west. The upslope side of the copper and gold anomalies coincide with the D Zone of mineralization. The chalcopyrite mineralization in the D Zone is controlled by an iron-carbonate vein fault and the associated carbonate and sodic breccias and brittle fracturing of the adjacent rocks. Mineralization is controlled by a roughly planar structure; a feature not readily apparent from the soil data, likely because of downslope dispersion. The soil geochemistry indicates that the D Zone

mineralization may extend at least 300 metres along strike.

The 84th percentile copper contour for the north-central anomaly defines an irregular anomalous area lying between 7900N and 8150N and 4800E and 5025E. High gold is for the most part coincident with copper and concentrated toward the upslope side of the copper anomaly. Poor soil conditions occur to the west and north of the north central anomaly. The anomalous soil results are coincident with the south extreme of the E Zone of mineralization and in particular the Irene showing. Surprisingly, samples taken over the Blue showing are not highly anomalous, but two soils taken downslope are. A weakly anomalous sample defines the Base Line showing, but unfortunately no samples could be taken west of 4950E. The E Zone mineralization may extend beyond the present known boundaries, however, soil geochemistry was not able to define such an extension because of permafrost and swampy conditions. Perhaps a method of deep penetrating overburden sampling will be required to trace northwest extensions to the E zone mineralization.

Several additional indicator elements displayed relationships to the mineralization and alteration. Anomalous cobalt values (Co > 80 ppm) as high as 672 ppm are associated with the south copper-gold anomaly. Only two anomalous cobalt results are associated with the south-central copper-gold anomaly in an area of quartz-albite-muscovite-magnetite alteration in cherty sediments. Two anomalous cobalt values at the east end of line 7000N are associated with minor chalcopyrite mineralization in green slates. Several anomalous cobalt values exist between lines 7800N and 8300N near the base line and upslope from the north-central anomaly and the Irene and Base Line showings. Nickel correlates fairly consistently with cobalt especially at the south anomaly. Anomalous nickel (Ni > 60 ppm) is associated with the central copper-gold anomaly, which is host to diorite bodies, and much of the East Zone of mineralization including the Blue and Base Line Showings. Anomalous levels of molybdenum (Mo > 7 ppm) are somewhat sporadic, but show a strong coincidence with the south copper-gold anomaly, and areas of possible fault related mineralization. Anomalous beryllium concentrations (Be > 2.0 ppm) show some interesting relationship to alteration. At the south end of the grid there is an apparent association of high beryllium with the magnetite-bearing muscovite phyllite-schist unit (Fphm). At the extreme north end of the grid a large area of anomalous beryllium coincides with aplites, carbonate alteration and brannerite mineralization. Anomalous beryllium values likely relates to the geochemical behaviour of beryllium, which is a lithophile element, concentrating in late stage evolved phases such as pegmatites and aplites. Beryllium is also often associated with mica schists, where it substitutes into micas and may form beryl. Lanthanum, a light rare earth element, defines a narrow anomaly (La >80 ppm) that extends from the B Zone to the C Zone in an area of strong quartz-albite-muscovite±carbonate alteration.

9.2 Bon

A total of 350 soil samples were collected on the Bon grid (Figure 10, 11). Samples were taken at 50 metre intervals on 400 metre line separation. The 5000N baseline followed the existing claim line and as such is not ideally straight. Because the baseline and lines are not always orthogonal grid coordinates are relative to each individual line. Thresholds based on 5th, 16th, 50th, 84th and 95th percentile were used to determine anomalous areas for copper (Table 10.2.1). Gold values with the exception of three samples, which returned values of 10, 10 and 15 ppb gold, were all under detection. Relative to the Hoover grid, copper and gold concentrations in soils are much lower on the Bon grid, however, deeper overburden and more mature soils prevail at Bon. Because of these contrasting soil conditions it may be that the soil results at Bon indicate as yet undiscovered concentrations of mineralization. Correlation coefficients calculated for the soil data indicate that cobalt and nickel show a strong positive correlation with copper, zinc and lanthanum (Appendix F). These relationships and the absence of anomalous gold in soils distinguish the Bon from the Hoover. Concentrations of zinc are generally higher on the Bon relative to the other properties. This may reflect a higher background in Quartet stratigraphy, although, the moderate positive correlation between zinc and copper suggests it may be related to copper mineralization.

TABLE 9.2.1
BON SOIL GEOCHEMICAL THRESHOLD LEVELS

PERCENTILE	COPPER	GOLD	RATING
5th	24	*	
16th	30	*	
50th	42	*	
84th	60	*	anomalous
95th	93	*	strongly anomalous

Copper anomalies occur from lines 12,600E discontinuously to line 15,000E. The anomalies strike northwest, parallel to the regional strike. The anomaly between lines 14,200E and 15,000E may be offset by an inferred regional scale fault/lineament. As discussed above, the only mineralization noted on the Bon grid is minor chalcopyrite within quartz-carbonate stringers on line 15,000E. The quartz-healed breccias and silicification of Quartet Group sediments noted on lines 9800E and 10200E do not have any anomalous soil geochemical expression.

10.0 GEOPHYSICAL SURVEYS

10.1 Hoover

Scott Geophysics Ltd. conducted induced polarization (IP) and magnetometer surveys on seven grid lines on the Hoover grid, from line 7400N to 8800N. The IP survey utilized a pole-dipole array with an "a" spacing of 25 metres and "n" separations of 1 to 5. Magnetometer readings were taken at 12.5 metre intervals. Survey results, figures are attached as Appendix G.

Contours of chargeability indicate five areas of chargeability greater than 20.0 mV/V. The largest and strongest chargeability extends from 8000N, 4800E, to beyond the survey at 7400N, 4800E. This area has no outcrop exposure and is characterized by permafrost and low lying muskeg. Three en echelon chargeability highs extend from 8000N, 5250E to 8500N, 4900E. The strongest, centred at 8000N, 5250E, is in an area without outcrop, but most likely is underlain by grey phyllites and dolomites belonging to the Fdo unit. Some of these phyllites are graphitic and contain traces of disseminated pyrite possibly accounting for the high chargeability. The next anomaly is centred at 8200N, 5150E and once again is in an area of no outcrop exposure. The most likely underlying unit is the Fsl unit which at the nearest exposure is weakly pyritic. A low intensity chargeability high is centred at 8500N, 4850E. There is no outcrop in this area, but there is a possibility that the Blue showing mineralization may trend in this direction. Another low intensity chargeability high is centred at 7400N, 5200E and appears to extend farther south beyond the survey limits. This area is underlain by the main heterolithic breccia and by the C Zone area of mineralization. Chargeability lows generally correspond with grey and green phyllites south of line 8000N.

A strong resistivity high (20,000 log ohm-meters), extends from 7900N, 4900E, to 8600N, 5050E. This roughly coincides with the E Zone of mineralization, from the Irene showing to beyond the Base Line showing. A prominent resistivity low lies along the east side of the main breccia between lines 8300N and south of 7400N. This area is underlain grey dolomites and grey, locally graphitic slates and phyllites. A very strong resistivity low lies at the extreme west ends of lines 7600N and 8000N, in an area of permafrost and low lying muskeg.

Grid lines at 100 metre spacing from line 6700N to 8800N were surveyed by magnetometer. The details of the procedures, and data manipulation are attached in Appendix G.

Some of the most prominent magnetic features are the semi-continuous series of magnetic highs that extend south from line 7600N to beyond line 6800N. This anomaly appears to be in response to the silver-grey magnetite-bearing phyllite unit (Fphm), which

outcrops in that area. Another large and intense magnetic high stretches between lines 7900N and 8500N. The southern end of this anomaly is underlain by green chloritic phyllite and slate (Fsl) with local areas containing lenses and disseminated grains of magnetite. The northern part of the anomaly is very poorly exposed, but there are scattered outcrops of magnetite-bearing phyllite (Fphm). The main heterolithic, hematite breccia body (Bht) is essentially a magnetic low. There are local zones where magnetite and hematite occur in the matrix, but the majority of the breccia contains hematite as the major iron oxide.

11.0 CONCLUSIONS AND RECOMMENDATIONS

Mineralization on the Hoover grid is concentrated in four primary areas: A Zone, B and C zones, D Zone and the E zone. Each area is somewhat unique, however all are considered to be part of the same mineralizing event.

The A Zone is located at the south end of the grid and is characterised by fracture related mineralization possibly related to an 060° trending fault/breccia zone. Results include a 5 metre chip grading 0.64% copper. The size of this zone is unclear, however, abundant copper oxide on cliff faces to the south, which were not mapped, make this area a high priority for further mapping.

The B and C zones are centred at line 6900N. Some of the best chip sample results include 3 metres of 0.82% copper and 1.5 metres of 5.63% copper and 1010 ppb gold. Mineralization occurs in strongly altered, crackle brecciated carbonate-siliceous sediments, controlled by brecciated zones related to brittle fault structures. Chalcopyrite occurs as blebs, fracture coatings and in quartz-carbonate brecciated vein-faults. The B Zone mineralization appears to be local, but C zone mineralization is traceable discontinuously over at least 150 metres. Mineralization in the B and C zones is spotty, however, a 500 meter long copper and gold soil geochemical anomaly suggests that the zone may be more extensive and persistent than evident in exposure.

Zone D lies on the southwest side of the main breccia body centred on line 7600N. One of the best chip sample results assayed 1.32% copper and 1270 ppb gold across 3.0 metres. Mineralization is hosted in an iron-carbonate vein-fault (110°/50°N), and associated carbonate breccias, with strong pervasive and stockwork quartz-albite-carbonate alteration. The mineralization persists for at least 125 metres along strike and soil geochemical results indicate in excess of 250 metres strike length.

Zone E extends from line 7850N, 4925E to 8400N, 5000E. Three areas within this zone returned high grade assays of copper. Mineralization at the Irene showing is controlled by Fe-carbonate veining, that averages 023°/68°W. Strong chalcopyrite

mineralization, at the Blue and Base Line showings, is hosted in heterolithic and homolithic breccias and occurs as irregular blebs and as a matrix component. Controls on the E Zone mineralization, other than crackle brecciation and associated carbonate alteration are unclear, although, the trend of the E Zone is roughly north-northwest. Soil geochemical data is anomalous over only part of the E zone likely because of poor soil conditions at the north end. There is no obvious geophysical response other than a possible associated resistivity high.

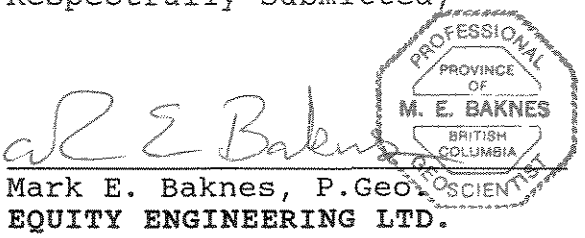
All four of these mineralized zones lie along an axis parallel to and on the southwest side of the main breccia body and in essence form a continuous zone of mineralization. On a much larger scale, mineralization at the Hoover appears to lie along a trend defined by a linear magnetic high that extends from the Slab group, to the southeast and terminates to the north in a strong and large bulls eye magnetic anomaly. Mineralization at Hoover occurs largely in crackle breccias, and in strongly altered and fractured wall rocks often associated with brittle faults. The alteration assemblage in both the main breccia body and the mineralized breccias are similar, but there appears to be a greater proportion of carbonate in association with mineralization on the periphery of the main mass of sodic breccia. The controls on mineralization are complex, however, an obvious control is proximity to the main sodic-heterolithic breccia body. The strong structural association of mineralization evident at the A, B and D zones suggests brittle structures are also of importance. Another common feature of the mineralized zones is an association with carbonate as a breccia matrix, wall rock alteration, and as veins and vein-faults. Certain exposures indicate that the carbonate-rich fluids that produced carbonate breccias, veins and permeated along faults were later than the sodic fluids that precipitated in the main breccia body and adjacent wall rocks. Such relationships suggest a model whereby initial brecciation, with associated high temperature sodic fluids, resulted in the formation of the main breccia body. The high temperature breccia event was followed by development of a hydrothermal cell that carried metals in perhaps a more reduced and CO_2 rich fluid. These fluids were concentrated along structures (B, C, D zones), in shattered or sheeted zones (D zone) and in crackle breccias (Blue and Base Line zones). Sulphides precipitated in these zones likely in response to cooling, changing eH-pH conditions and or reaction with wall rocks.

The 1994 exploration program should include evaluation of known mineralized zones by diamond drilling and surface exploration to both the northwest and southeast of the present Hoover grid. In order of priority drilling should test the Blue and Base Line Showing areas followed by the D Zone. In the Blue and Base Line Zones 2 to 3 holes, collared near the northeast contact of the mineralization, should sufficiently test this zone. The holes should be inclined 45° toward the southwest. The D Zone mineralization should also be tested with an inclined southwest

directed hole collared near the upslope contact of the mineralization and the coincident fault - breccia contact. Other mineralized areas, including the A, B and C zones, are of a lower priority and will require further surface work to bring them to a drilling stage. Total meterage of a four hole, phase one drill program is estimated at between 600 to 800 meters. Surface mapping and sampling should be extended to the southeast to investigate several areas containing secondary copper mineralization (malachite). Surface mapping and close spaced airborne geophysics should be extended to the northwest toward a large-strong airborne magnetic anomaly outlined in the 1993 airborne geophysics program.

Work on the Bon grid thus far has defined several areas of anomalous geochemistry and isolated mineralized occurrences. Subsequent work should include follow up prospecting and mapping in areas of interest. No geophysics is recommended for the Bon grid unless follow up results indicate its utility.

Respectfully submitted,



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Vancouver, British Columbia
December, 1993

APPENDIX A

BIBLIOGRAPHY

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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.

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. (1992): 1992 Geochemical Report on the Hoover 1-8 Mineral Claims; Report submitted for assessment credit.

Thorkelson, D. and Wallace, C. (1993): Geological Map of Slats Creek Map Area, Wernecke Mts., Yukon (106D/16); Open File 1993-2, Indian and Northern Affairs Canada, Exploration and Geological Services Division (1:50,000).

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.

APPENDIX B

LIST OF PERSONNEL

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Mark E. Baknes (Sr. Geologist)
207, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

Tom Bell (Sr. Prospector)
207, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

Patricia Bonnetplume (Cook)
163 Dalton Terrace
Whitehorse, Yukon Y1A 3G2

David Caulfield (Sr. Geologist)
207, 675 West Hastings Street
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Shaun Dykes (Sr. Geologist)
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Barry Girling (Sr. Prospector)
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Vancouver, B.C. V6B 1N2

Harlan Meade (Sr. Geologist)
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Vancouver, B.C. V7X 1C4

Murray Jones (Sr. Geologist)
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Vancouver, B.C. V7X 1C4

Bruce McCall (Sampler)
711, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

Michael A. Stammers (Sr. Geologist)
711, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
HOOVER 1 - 114 MINERAL CLAIMS

CANADA) In the matter of an evaluation program on the
) Hoover 1-114 Mineral Claims

I, Mike Stammers for Pamicon Developments Limited, 711, 675 West Hastings Street, Vancouver, B.C. and Equity Engineering Ltd., 207, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping, prospecting, geochemical and geophysical survey work was carried out on the Hoover 1-114 Mineral Claims during the period June 9 to 30, 1993.

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

PROFESSIONAL FEES AND WAGES:

David A. Caulfield, P. Geo.		
2.0 days @ $375/day	$ 750.00	
Mike Stammers, P. Geo.		
6.0 days @ $375/day	2,250.00	
Mark Baknes, P. Geo.		
9.5 days @ $200/day	1,900.00	
Barry Girling, Prospector		
6.0 days @ $250/day	1,500.00	
Tom Bell, Prospector		
5.0 days @ $250/day	1,250.00	
B. McCall, Sampler		
5.0 days @ $200/day	1,000.00	
Murray Jones, P. Geo.		
9.5 days @ $300/day	2,850.00	
S. Dykes, P. Geo.		
2.0 days @ $300/day	600.00	
Harlan Meade, P. Geo.		
1.0 days @ $375/day	375.00	
Prorated Wages	7,664.25	$ 20,139.25

EXPENSES:

Helicopter:	Direct	$ 10,260.00
	Prorated	2,610.00
	Fuel	2,587.43
Fixed Wing		6,320.85
Travel, Accommodation & Meals		2,106.76
Airfare		477.95
Camp Food		2,074.66
Camp Fuel		76.82
Camp Rental		1,972.50
Rentals:	Radios	304.54
	Equipment	247.50
	Truck	674.05

Field Supplies		$ 837.95	
Freight		66.01	
Telephone		349.71	
Line Cutting		6,300.00	
Assays		11,638.28	
Geophysical		9,153.57	
Orthophotos		2,176.80	
Reproductions		302.50	
Report:	Pamicon & Equity	11,067.30	
	Westmin	6,353.40	
Management Fees		7,725.01	$ 85,683.59

TOTAL: $ 105,822.84

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.

Declared before me at Vancouver in)
the Province of British Columbia this)
28 day of JANUARY, 1994)

A Commissioner for Oaths for, or
Notary Public for the Yukon Territory

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	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

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	69 +20N	Grab	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +00E	Strike Length Exp. : 50-60 m	1-3%MG						
545811	Elevation: 825 m	Sample Width : 2 m	None	<5	<0.2	8.	33.	<2	<2
	Bedding : 105 / 40 N	True Width : m	Host : Bleached phyllite with dissem. MG porphroblasts						

Comments : Porphyritic phyllitic unit - above hematite breccia.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	69 +00N	Grab	wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : 50+ m	2-5%HS						
545812	Elevation: 785 m	Sample Width : 2 m	None	<5	<0.2	23.	203.	<2	<2
	Orientation: /	True Width : 2 m	Host : Breccia, Hoover-style - light matric heterolithic						

Comments : Heterolithic breccia, clasts are weakly altered, specularite clasts common, rock is generally non-magnetic. Light bluish grey overall colour. Mino biotite rich, gossanous clasts - lamprophyres?

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	69 +00N	Grab	mCB, mMS, mSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +00E	Strike Length Exp. : 30 m	trCP, 2-5%HS						
545813	Elevation: 1760 m	Sample Width : 2 m	wAZ, wMC	20.	<0.2	12.	1855.	<2	<2
	Orientation: 110 /	True Width : 2 m	Host : Hematite breccia -homolithic? carb-sericite in matrix						

Comments : Near Bruno Kasper's 1992 samples 548350 and 548351 and Murray Jones' sample 547843.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	69 +00N	Grab	mBI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +50E	Strike Length Exp. : 40 m	Metallics : None						
545814	Elevation: 720 m	Sample Width : 2 m	Secondaries: None	15.	<0.2	47.	180.	<2	4.
	Bedding : 050 / 83 SE	True Width : 2 m	Host : Altered sediments near breccia - still fresh						

Comments : Fractured, local brecciation - possibly in breccia, abundant copper stain in surrounding rocks.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	69 +10N	Grab	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +00E	Strike Length Exp. : 10 m	trPY						
545815	Elevation: 680 m	Sample Width : 2 m	None	25.	<0.2	17.	706.	<2	<2
	Bedding : /	True Width : 2 m	Host : Limey siltstone						

Comments :

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	69 +00N	Grab	wBI, wCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	49 +60E	Strike Length Exp. : >100 m	tr-1%CP						
545816	Elevation: 625 m	Sample Width : 2 m	wMC	55.	<0.2	15.	1485.	<2	<2
	Orientation: /	True Width : 2 m	Host : Crackle breccia sediments						

Comments : Crackle breccia sediments blocks, lenses of unaffected rock, chalcopyrite in fractures and along foliation.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	68 +00N	Grab	w?QZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +00E	Strike Length Exp. : >100 m	Metallics	trCP						
545817	Elevation: 735 m	Sample Width : 2 m	Secondaries:	wMC	20.	<0.2	12.	732.	<2	<2
	Orientation: ? /	True Width : 2 cm	Host	Crackle brecciated sediments-f.g.-locally calcareous						

Comments : Base of cliff - overall chaotic looking outcrop.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	68 +80N	Grab	mMS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	53 +00E	Strike Length Exp. : m	Metallics	1-3%MG						
545818	Elevation: 80 ft	Sample Width : 2 m	Secondaries:	None	<5	<0.2	7.	3.	<2	<2
	Orientation: /	True Width : m	Host	Highly bleached? Phyllite - magnetite crystals						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	68 +30N	Grab	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +50E	Strike Length Exp. : m	Metallics	2-5%MG						
545819	Elevation: 795 m	Sample Width : m	Secondaries:	None	<5	<0.2	47.	9.	<2	28.
	Orientation: /	True Width : m	Host	MG-rich intrusion or breccia? Ghosty sed.text.visible						

Comments : Magnetite wispy, locally, chloritic matrix - intrusion?

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +80N	Grab	mCB, wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : m	Metallics	None						
545820	Elevation: 790 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	8.	52.	<2	10.
	Orientation: /	True Width : m	Host	Brecciated sediments - homolithic breccia						

Comments : Possible sedimentary block within homolithic breccia.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	66 +00N	Grab	mMS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	53 +00E	Strike Length Exp. : >100 m	Metallics	1-3%MG						
545821	Elevation: 910 m	Sample Width : 2 m	Secondaries:	wMC	<5	<0.2	18.	<1	<2	<2
	Bedding : 165 / 28 E	True Width : 2 cm	Host	Bleached phyllite unit						

Comments : Porphyry phyllitic transitional to more blocky phyllite 5m upslope.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	66 +00N	Grab	sCB, mMS, sQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +50E	Strike Length Exp. : 30 m	Metallics	trBO?, tr-1%CP, trPY						
545822	Elevation: 875 m	Sample Width : 2 m	Secondaries:	wMC	<5	<0.2	57.	1535.	<2	46.
	Bedding? : 145 / 30 NE	True Width : 2 cm	Host	Magnetite-specular hematite-Fe-carbonate-quartz zone						

Comments : Upper part seems to be replacement of bedding? Carbonate bedding below. Flakey muscovite locally.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	66 +00N	Grab	wCB, wMS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +00E	Strike Length Exp. : >100 m	Metallics	None						
545823	Elevation: 820 m	Sample Width : 2 m	Secondaries:	None	20.	<0.2	16.	597.	<2	<2
	Orientation: /	True Width : 2 m	Host	Crackel breccia sediments						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	66 +00N	Grab	wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : 100 m	Metallics	None						
545824	Elevation: 780 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	7.	22.	<2	<2
	Orientation: /	True Width : 2 m	Host	Crackle breccia sediments - poss. breccia intrusive?						

Comments : Flakey muscovite in area.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	66 +15N	Grab	wCL, wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +00E	Strike Length Exp. : >100 m	Metallics	None						
545825	Elevation: 740 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	6.	<1	<2	<2
	Orientation: /	True Width : m	Host	Brecciated, fine laminated seds-argillites-siltstone?						

Comments : Base of cliff.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	66 +00N	Grab	wCB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +45E	Strike Length Exp. : 15 m	Metallics	None						
545826	Elevation: 705 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	7.	20.	<2	<2
	Orientation: /	True Width : m	Host	Calcite siltstone?						

Comments : Weakly brecciated sediments.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	65 +00N	Grab	wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : >100 m	Metallics	None						
545827	Elevation: 755 m	Sample Width : 3 m	Secondaries:	wMC	45.	<0.2	9.	2150.	<2	<2
	Orientation: /	True Width : m	Host	Grey green sediments, cherty locally						

Comments : Base of cliff - rocks coated with white precipitate - no bedding visible.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	64 +75N	Grab	mMS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +00E	Strike Length Exp. : >50 m	Metallics	None						
545828	Elevation: 800 m	Sample Width : 2 m	Secondaries:	wMC	<5	<0.2	99.	179.	<2	2.
	Orientation: /	True Width : m	Host	Altered brecciated sediments						

Comments :

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	64 +10N	Grab	sCL, wMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	53 +00E	Strike Length Exp. : >50 m	Metallics : trPY						
545829	Elevation: 835 m	Sample Width : 2 m	Secondaries: wGE	<5	<0.2	40.	44.	<2	58.
	Orientation: /	True Width : m	Host : Chloritic bedded unit - sediment?						

Comments : Appears to be bedded unit - quite massive, not phyllitic.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	64 +10N	Grab	wMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +50E	Strike Length Exp. : 25 m	Metallics : 1-3%MG						
545830	Elevation: 800 m	Sample Width : 1 m	Secondaries: None	<5	<0.2	10.	6.	<2	<2
	Orientation: /	True Width : m	Host : Phyllite with magnetite						

Comments :

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	64 +00N	Grab	wMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +00E	Strike Length Exp. : >50 m	Metallics : 5-10%HS, 1-3%PY						
545831	Elevation: 770 m	Sample Width : 2 m	Secondaries: mJA	<5	<0.2	29.	86.	<2	<2
	Orientation: /	True Width : m	Host : Heterolithic breccia - near upper contact						

Comments : Specularite-rich zones, with pyrite, in upper contact area of hematite breccia.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	64 +00N	Grab	sCB, mMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : >50 m	Metallics : 1%HS, trPY						
545832	Elevation: 710 m	Sample Width : 2 m	Secondaries: None	<5	<0.2	30.	32.	<2	<2
	Orientation: /	True Width : m	Host : Calcite-silicate rock - dolomite?						

Comments : Rock could be skarn - brecciation evident.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	63 +00N	Grab	wMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +00E	Strike Length Exp. : 10 m	Metallics : 1-2%MG						
545833	Elevation: 780 m	Sample Width : 2 m	Secondaries: None	<5	<0.2	8.	21.	<2	<2
	Orientation: /	True Width : m	Host : Phyllite						

Comments :

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	63 +00N	Grab	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : >50 m	Metallics : None						
545834	Elevation: 735 m	Sample Width : 2 m	Secondaries: None	15.	<0.2	41.	13.	<2	<2
	Orientation: 020 / 75 E	True Width : m	Host : Rusty quartzite?						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	64 +00N	Grab	mCL		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	53 +50E	Strike Length Exp. : >100 m	Metallics	: trPY						
545835	Elevation: 820 m	Sample Width : 2 m	Secondaries:	wMC	5.	<0.2	36.	85.	<2	26.
	Bedding : 033 / 30 SE	True Width : m	Host	: Dark phyllite - chloritic argillite						

Comments : Possibly mafic component for chloritic beds. Underlays gossanous zone/unit.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +00N	Grab	wMS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +90E	Strike Length Exp. : 10 m	Metallics	: None						
545836	Elevation: 845 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	26.	17.	<2	<2
	Orientation: /	True Width : m	Host	: Phyllite - medium grey, non-magnetic						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +00N	Grab	mCB, wMS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +00E	Strike Length Exp. : >100 m	Metallics	: trCP, 3-5%HS, trPY						
545837	Elevation: 710 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	67.	8.	<2	<2
	Orientation: /	True Width : m	Host	: Brecciated sediments						

Comments : Part of wide brecciated sediment unit, widely, but apparently sparsely mineralized.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	62 +00N	Grab	mCB, wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +00E	Strike Length Exp. : 20 m	Metallics	: 1-2%HS, 1%PY						
545838	Elevation: 635 m	Sample Width : 4 m	Secondaries:	None	<5	<0.2	66.	19.	<2	<2
	Orientation: /	True Width : ? m	Host	: Brecciated sediments- Fe-carbonate sericite in matrix						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	83 +90N	Grab	m?AB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +00E	Strike Length Exp. : 15 m	Metallics	: 1-3%HS						
545839	Elevation: 610 m	Sample Width : 2 m	Secondaries:	None	25.	<0.2	12.	3250.	<2	<2
	Orientation: /	True Width : m	Host	: Specular hematite breccia						

Comments : Possibly very large talus blocks, but looks like outcrop.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	84 +00N	Grab	wCL, wMS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +00E	Strike Length Exp. : 5 m	Metallics	: None						
545840	Elevation: 680 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	33.	35.	18.	40.
	Orientation: /	True Width : m	Host	: Grey-green phyllite						

Comments : Outcrop in creek.

Sample No.	Grid Co-or.					Au	Ag	Co	Cu	Pb	Zn
	83 +00N	Type : Grab	Alteration :	wKF, mAB							
	50 +00E	Strike Length Exp. : m	Metallics :	1-3%CP, 1-2%HS, tr-1%PY		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545841	Elevation: 605 m	Sample Width : m	Secondaries:	None		25.	<0.2	38.	3160.	<2	2.
	Orientation: /	True Width : m	Host :	Heterolithic hematite breccia							

Comments : Large blocky talus - very local.

Sample No.	Grid Co-or.					Au	Ag	Co	Cu	Pb	Zn
	81 +00N	Type : Grab	Alteration :	mCL, wMS							
	51 +00E	Strike Length Exp. : 10 m	Metallics :	5-8%MG		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545842	Elevation: 710 m	Sample Width : 2 m	Secondaries:	None		15.	<0.2	52.	35.	<2	50.
	Foliation : 170 / 25 E	True Width : m	Host :	Chloritic phyllite? - matrix magnetite as lenses							

Comments : At contact with hematite breccia.

Sample No.	Grid Co-or.					Au	Ag	Co	Cu	Pb	Zn
	81 +00N	Type : Grab	Alteration :	wCL, wKF, wAB							
	50 +50E	Strike Length Exp. : >50 m	Metallics :	1-5%HS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545843	Elevation: 680 m	Sample Width : 2 m	Secondaries:	None		<5	<0.2	61.	13.	<2	<2
	Orientation: /	True Width : m	Host :	Heterolithic hematite breccia							

Comments : K-feldspar-albite alteration zone in outcrop - rock is shattered locally.

Sample No.	Grid Co-or.					Au	Ag	Co	Cu	Pb	Zn
	81 +10N	Type : Grab	Alteration :	mCL, wMS, wAB							
	50 +00E	Strike Length Exp. : 30 m	Metallics :	trCP		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545844	Elevation: 650 m	Sample Width : 2 m	Secondaries:	None		<5	<0.2	25.	290.	8.	46.
	Orientation: /	True Width : m	Host :	Chloritic phyllite sediment - quartz veining							

Comments : Large blocky rocks - subcrop?

Sample No.	Grid Co-or.					Au	Ag	Co	Cu	Pb	Zn
	81 +00N	Type : Grab	Alteration :	wKF, wAB							
	48 +00E	Strike Length Exp. : 50 m	Metallics :	1-5%CP, 2-5%HS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545845	Elevation: 625 m	Sample Width : 2 m	Secondaries:	mMC		15.	<0.2	29.	4870.	<2	<2
	Orientation: /	True Width : m	Host :	Heterolithic hematite breccia - mineralized							

Comments : Mineralized zone in heterolithic hematite breccia - many types of pyrite occurrences.

Sample No.	Grid Co-or.					Au	Ag	Co	Cu	Pb	Zn
	90 +00N	Type : Grab	Alteration :	wKF, AB?							
	52 +55E	Strike Length Exp. : >50 m	Metallics :	tr-2%BR		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545866	Elevation: 610 m	Sample Width : 2 m	Secondaries:	None		<5	<0.2	6.	10.	10.	6.
	Orientation: /	True Width : m	Host :	Aplite - potassium feldspar/quartz - local breccia							

Comments : Intrusive (or very weak alteration zone) - probably equivalent to Mark's aplite-brannerite concentrated breccia zones.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	90 +00N	Grab								
	53 +00E	Strike Length Exp. : >50 m	Metallics	1-3%HS, trMG, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545867	Elevation: 625 m	Sample Width : 2 m	Secondaries:	None	<5	<0.2	8.	51.	<2	<2
	Orientation: /	True Width : m	Host	Aplite/breccia						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	89 +00N	Grab								
	52 +70E	Strike Length Exp. : >50 m	Metallics	trHS, 1-2%BR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545868	Elevation: 640 m	Sample Width : 1.5 m	Secondaries:	None	<5	<0.2	4.	29.	6.	<2
	Orientation: /	True Width : m	Host	Aplite/breccia						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	87 +50N	Float								
	52 +15E	Strike Length Exp. : 20 m	Metallics	trBR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545869	Elevation: 645 m	Sample Width : m	Secondaries:	None	<5	<0.2	4.	23.	<2	<2
	Orientation: /	True Width : m	Host	Aplite/breccia						

Comments :

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +00N	Chip								
	51 +25E	Strike Length Exp. : >100 m	Metallics	1-3%CP, trHS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545870	Elevation: 740 m	Sample Width : 5 m	Secondaries:	wMC	25.	<0.2	66.	2280.	<2	<2
	Faulting? : 110 / 41 SW	True Width : ? m	Host	Brecciated sediments - biotite hornfels - CB matrix						

Comments : Altered (mostly bleached) biotite hornfels (Fairchild) with strong QZ-CB matrix, quartz veinlets. CP in fragments and diseminated blebs, sample is composite chip - piece every 40cm (hammer length).

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	66 +05N	Chip								
	51 +27E	Strike Length Exp. : >100 m	Metallics	1-3%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545871	Elevation: 740 m	Sample Width : 5 m	Secondaries:	wMC	45.	<0.2	76.	6430.	<2	18.
	Orientation: /	True Width : ? m	Host	Brecciated altered biotite hornfels veining (QZ-CB)						

Comments : Continuous from 545870 - locally pyrite, and quartz-rich zones. Couldn't continue chips due to unstable cliff face.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +20N	Chip								
	51 +40E	Strike Length Exp. : >100 m	Metallics	tr-1%CP, tr-1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545872	Elevation: 755 m	Sample Width : 3 m	Secondaries:	None	<5	<0.2	107.	404.	<2	<2
	Fol'n shear: 165 / 57 NE	True Width : 3 m	Host	Brecciated/veined altered biotite hornfels						

Comments : Small shear on cliff face - not accessible - not well mineralized.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +30N	Chip	mCB, mQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +65E	Strike Length Exp. : 25 m	Metallics	tr-1%CP, trPY						
545873	Elevation: 770 m	Sample Width : 5 m	Secondaries:	wMC	<5	<0.2	30.	969.	<2	16.
	Orientation: /	True Width : 5 m	Host	Magnetite-specular hematite-Fe carbonate unit						

Comments : Zone of magnetite specular hematite, also large sparry calcite veins.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +35N	Chip	mCB, mSI		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +65E	Strike Length Exp. : 25 m	Metallics	trCP, 1-3%PY						
545874	Elevation: 710 m	Sample Width : 6 m	Secondaries:	wJA	10.	<0.2	114.	210.	<2	22.
	Bedding : /	True Width : 6 m	Host	Banded MG-QZ-CB-HS, with chloritic zones, silic'd loc						

Comments : Possibly hematite breccia - some chert visible.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	63 +30N	Chip	mCB, mAB?		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51+75E	Strike Length Exp. : 50 m	Metallics	1-2%CP, 2-8%HS						
545875	Elevation: 820 m	Sample Width : 5 m	Secondaries:	sMC	<5	<0.2	64.	2160.	<2	<2
	Orientation: /	True Width : 5 m	Host	Heterolithic hem. breccia - altd sediments(blue grey)						

Comments : Geol. station MJ-30. Couldn't sample all of zone - access to overhang.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	70 +00N	Grab	wQZ, wAB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +50E	Strike Length Exp. : m	Metallics	None						
545905	Elevation: 880 m	Sample Width : m	Secondaries:	vwMC, wMN	<5	<0.2	11.	139.	<2	18.
	Bedding : 152 / 30 NE	True Width : m	Host							

Comments : Dark green siliceous slate, weak bedding/foliation, local bleaching, quartz albite?, local Mn stain. Very minor spotty malachite.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	70 +35N	Grab	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +85E	Strike Length Exp. : 10 m	Metallics	4%MG						
545906	Elevation: 830 m	Sample Width : m	Secondaries:	wAZ, wMC	<5	<0.2	4.	31.	<2	8.
	Orientation: /	True Width : m	Host							

Comments : Pale silvery grey phyllite with 1-2%, 1mm magnetite porphyroblasts and magnetite in foliation parallel quartz-carbonate-magnetite stringers.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	70 +05N	Grab	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : 5 m	Metallics	4%MG						
545907	Elevation: 800 m	Sample Width : m	Secondaries:	None	<5	<0.2	<1	20.	<2	8.
	Orientation: /	True Width : m	Host							

Comments : Silvery grey phyllite with 3% 0.5-1mm disseminated magnetite porphyroblasts.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	70 +00N	Grab	mCB,mCL,wKF,wMS,sQZ,sAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +00E	Strike Length Exp. : >100 m	0.5%CP, 3%MG						
545908	Elevation: 750 m	Sample Width : m	Secondaries: None	50.	<0.2	25.	986.	<2	18.
	Orientation: /	True Width : m	Host : Altered cherty argillite?						

Comments : Strongly altered argillite? Pervasive alteration and stockwork. Quartz albitite +/- Kspar, chlorite, and sericite. Magnetite as irregular blebs, chalcopyrite in minor patches.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	70 +10N	Grab	sCB. wKF. wMS, sQZ, mAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +50E	Strike Length Exp. : 15 m	0.5%CP, 2%MG						
545909	Elevation: 710 m	Sample Width : m	Secondaries: wAZ, wMC	<5	<0.2	12.	1330.	<2	22.
	Orientation: /	True Width : m	Host : Pale green bedded chert						

Comments : Medium green altered bedded chert. Local strong alteration as crackle breccia and along foliation.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	71 +00N	Chip	sCA, wKF, sQZ, wAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	53 +00E	Strike Length Exp. : >100 m	0.5%Cp, 10%Mg, 3%Py						
545910	Elevation: 960 m	Sample Width : 1 m	Secondaries: wMn	<5	<0.2	4.	205.	<2	14.
	Veining : 142 / 33 NE	True Width : 1 m	Host : On hanging wall dolo-phyllite on footwall grey slate						

Comments :

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	71 +00N	Grab	sCA, wKF, sQZ, wAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +12E	Strike Length Exp. : 15 m	0.5%CP, 10%MG, 3%PY						
545911	Elevation: 830 m	Sample Width : m	Secondaries: wMN	40.	<0.2	74.	33.	<2	18.
	Orientation: /	True Width : m	Host : Pale green cherty sediments						

Comments : Veined and brecciated cherty sediments. Quartz magnetite +/- carbonate, sericite, albite in veins and as breccia matrix and fragments. Stockwork - breccia replacements along bedding.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	71 +00N	Grab	wCB, mKF, mMS, sQZ, AB?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +85E	Strike Length Exp. : 4 m	1%CP						
545912	Elevation: 790 m	Sample Width : m	Secondaries: mMC, wMN	15.	<0.2	55.	45.	<2	20.
	Orientation: /	True Width : m	Host : Possible cherty sediment						

Comments : Crackle breccia metasediment. Kspar and sericite +/- carbonate and albite altered and crackle breccia. Minor chalcopyrite as blebs. Distinct from sodic? Breccia up slope.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	72 +00N	Grab	wMS, sQZ, sAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +75E	Strike Length Exp. : >50 m	1%MG, 0.5%PY, 8%HS						
545913	Elevation: 845 m	Sample Width : 10 m	Secondaries: None	<5	<0.2	6.	215.	<2	14.
	Orientation: /	True Width : m	Host : Breccia hosted in green slatey siliceous sediments						

Comments : Sodic heterolithic hematite breccia. Pale salt 'n pepper quartz albite? matrix with fine disseminated specularite. Fragments 1-20cm avg, alt-unalt metasediments, some partial or wholly replaced by specularite. Sample random rough chip over 3x10m area.

Sample No.	Grid Co-or.	Type :	Alteration :	Au	Ag	Co	Cu	Pb	Zn
	72 +00N	Grab	wCB, wKF, wMS, sQZ, sAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +20E	Strike Length Exp. : m	Metallics : 0.1%CP, 0.5%HS						
545914	Elevation: 720 m	Sample Width : 4 m	Secondaries: wMC	<5	<0.2	3.	66.	<2	16.
	Bedding : 060 / 60 N	True Width : 4 m	Host : Pale green grey bedded cherty sediment						

Comments : Similar to exposures uphill, but weaker alteration. Pale green cherty sediments, alteration quartz, albite +/- Kspar. Muscovite mainly along bedding, trace chalcopyrite and malachite. Sample rough chips across 4m.

Sample No.	Grid Co-or.	Type :	Alteration :	Au	Ag	Co	Cu	Pb	Zn
	73 +00N	Grab	wCB, mCL, wMS, sQZ, sAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +35E	Strike Length Exp. : 5 m	Metallics : 4%HS, 0.5%PY						
545915	Elevation: 820 m	Sample Width : 2 m	Secondaries: None	<5	<0.2	50.	45.	<2	26.
	Orientation: /	True Width : m	Host : Host is dark green black siliceous sediments						

Comments : Sodic heterolithic hematite (specularite breccia). Matrix supported, granular quartz albite + chlorite matrix supporting 2-25cm subangular fragments of variable altered sediments. Fragments sometimes replaced by HS+CL. Random grab over 2x2m.

Sample No.	Grid Co-or.	Type :	Alteration :	Au	Ag	Co	Cu	Pb	Zn
	73 +00N	Grab	mCA, mQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +50E	Strike Length Exp. : 5 m	Metallics : 2%MG						
545916	Elevation: 770 m	Sample Width : m	Secondaries: wMN	<5	<0.2	13.	33.	<2	14.
	Orientation: /	True Width : m	Host : Medium grey siliceous slate						

Comments : Medium grey cherty argillite?, weakly bedded with moderate quartz carbonate and hematite alteration along bedding. No visible sulphides. Random grab over 1x2m area.

Sample No.	Grid Co-or.	Type :	Alteration :	Au	Ag	Co	Cu	Pb	Zn
	75 +00N	Chip	wCL, sQZ, wAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +75E	Strike Length Exp. : >50 m	Metallics : 2%HS, 0.2%PY						
545917	Elevation: 830 m	Sample Width : 6 m	Secondaries: vwMC	<5	<0.2	94.	12.	<2	10.
	Veining : 125 / 35 N	True Width : 6 m	Host : Green slate-siliceous sediments						

Comments : 6m thick white conformable quartz +/- albite +/- sericite +/- chlorite alteration zone of green slaty sediments. Very minor malachite stain, trace pyrite. Sample rough chip over 6m true thickness. Local quartz veins with specular hematite.

Sample No.	Grid Co-or.	Type :	Alteration :	Au	Ag	Co	Cu	Pb	Zn
	75 +00N	Float	sCA, sQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +50E	Strike Length Exp. : m	Metallics : 3%PY						
545918	Elevation: 820 m	Sample Width : m	Secondaries: wMC	<5	1.0	56.	4990.	4.	6.
	Orientation: /	True Width : m	Host : Green slaty sediments						

Comments : 30x40cm angular boulder, very likely from alteration zone upslope. Pale purple coarsely crystalline. Calcite as matrix fill in vein breccia. Chalcopyrite 2-3% as 1-3mm irregular blebs intergrown with calcite.

Sample No.	Grid Co-or.	Type :	Alteration :	Au	Ag	Co	Cu	Pb	Zn
	75 +00N	Grab	wCB, mMS, wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	52 +10E	Strike Length Exp. : >50 m	Metallics : 3%MG						
545919	Elevation: 790 m	Sample Width : m	Secondaries: None	<5	<0.2	4.	26.	<2	8.
	Bedding : 035 / 50 E	True Width : m	Host : Dark green slaty sediments						

Comments : Altered equivalent to green slate/sediments. Silvery grey phyllite with 2-3% 1mm magnetite porphyroblasts.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	75 +00N	Grab	wCL						
	51 +85E	Strike Length Exp. : >50 m	Metallics : <0.5%BO, <0.5%CP, 5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545920	Elevation: 790 m	Sample Width : m	Secondaries: wMC	<5	<0.2	21.	92.	<2	22.
	Orientation: ? /	True Width : m	Host : Contact between heterolithic breccia & gabbro-diorite						

Comments : Contact between green medium-grained diorite and heterolithic weakly hematitic breccia, mostly 0.5-2cm subrounded variably altered sediment fragments, but also 10-20cm fragments. This breccia less hematitic than to grid S. Minor BO+CP adjacent contact.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	75 +20N	Chip	mCB, mCL, mKF?, wMS, sQZ						
	51 +50E	Strike Length Exp. : >50 m	Metallics : 1%CP, 2%HS, <0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545921	Elevation: 760 m	Sample Width : 3 m	Secondaries: wMC	40.	<0.2	12.	2350.	<2	14.
	Jointing : 160 / 70 E	True Width : 2.3? m	Host : Quartz Kspar? chlorite albite altered hematite brecc.						

Comments : Siliceous heterolithic hematite breccia. Breccia textures difficult to distinguish, intense alteration gives mottled white & pinkish appearance with patchy chlorite & specular hematite. CP <1-3mm blebs intergrown with specularite. Continuous chip w. 922.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	75 +20N	Chip	mCB, mCL, m?KF, wMS, sQZ						
	51 +50E	Strike Length Exp. : >50 m	Metallics : 0.5%CP, 2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545922	Elevation: 750 m	Sample Width : 1.5 m	Secondaries: None	50.	<0.2	11.	2660.	4.	16.
	Orientation: 160 / 70 E?	True Width : 1.5 m	Host : Quartz Kspar? chlorite albite altered hematite brecc.						

Comments : Same as 545921, but less mineralization. Samples taken across joint set which may partially contact mineralization.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	77 +20N	Grab	wCB, wCL, sQZ, sAB						
	51 +35E	Strike Length Exp. : >50 m	Metallics : 0.5%CP, 15%HS, 0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545923	Elevation: 820 m	Sample Width : m	Secondaries: None	<5	<0.2	<1	126.	<2	14.
	Orientation: /	True Width : m	Host : Sodic hematite-rich breccia						

Comments : Hematite (specularite)-rich heterolithic sodic breccia. Salt 'n pepper white matrix with dissem. specularite. Matrix supported fragments subangular metasediments, often replaced by HS. Minor chalcopyrite near gabbro margin. 2x2m grab.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	78 +00N	Grab	wCB, wMS, mQZ, sAB						
	51 +00E	Strike Length Exp. : >100 m	Metallics : 8%HS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545924	Elevation: 790 m	Sample Width : m	Secondaries: None	<5	<0.2	13.	18.	<2	12.
	Orientation: /	True Width : m	Host : Sodic heterolithic hematite breccia						

Comments : White salt 'n pepper textured breccia. <5cm subrounded fragments variably altered sediments matrix supported. HS finely disseminated in matrix and fine-grained replacements of fragments, 1-2% euhedral pyrite. Grab over 1x3m area.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	78 +00N	Grab	wCB, mCL, wMS, sQZ, sAB						
	50 +50E	Strike Length Exp. : >50 m	Metallics : 0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545925	Elevation: 740 m	Sample Width : m	Secondaries: None	<5	<0.2	21.	17.	<2	30.
	Orientation: /	True Width : m	Host : Sodic & chloritic heterolithic hematite (HS) breccia						

Comments :

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	79 +00N	Grab	sCA, wCL, wMS, mQZ, sAB						
	50 +60E	Strike Length Exp. : >50 m	Metallics : 10%HS						
545926	Elevation: 750 m	Sample Width : m	Secondaries: None	<5	<0.2	31.	8.	<2	10.
	Orientation: /	True Width : m	Host : Pale grey heterolithic hematite (specularite) breccia						

Comments : Pale grey to white heterolithic matrix supported hematite (specularite) breccia. Fine disseminated and massive replacements of fragments. Most fragments carbon sediments. Grab.

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	79 +00N	Grab	wCB, wCL, wKF,wMS,sQZ,sAB						
	51 +10E	Strike Length Exp. : m	Metallics : 10%HS, trPY						
545927	Elevation: 770 m	Sample Width : m	Secondaries: None	<5	<0.2	15.	7.	4.	14.
	Orientation: /	True Width : m	Host : Sodic heterolithic hematite breccia						

Comments : Pale grey sodic hematite breccia. Matrix supported, minor pyrite. Random grab over 2x2m area.

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	80 +25N	Grab	wCB, wCL, wKF,wMS,mQZ,sAB						
	51 +00E	Strike Length Exp. : m	Metallics : 10%HS, 0.5%PY						
545928	Elevation: 770 m	Sample Width : m	Secondaries: None	<5	<0.2	4.	9.	<2	20.
	Orientation: /	True Width : m	Host : Sodic heterolithic hematite breccia						

Comments : Pale grey salt 'n pepper textured, with specularite in matrix and replacing fragments. Variably altered fragments, some weak, others strong. Most subangular meta-grey sediments. Grab over 1x3m area.

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	80 +15N	Grab	mCL, sQZ, sAB						
	50 +50E	Strike Length Exp. : m	Metallics : 0.5%CP, 5%HS						
545929	Elevation:	Sample Width : m	Secondaries: None	<5	<0.2	1.	725.	<2	28.
	Orientation: /	True Width : m	Host : Strongly albite/quartz altered sediments						

Comments : Near margin of breccia, strong albite/quartz and chlorite altered stockwork and crackle breccia. Minor blebby chalcopyrite/

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	80 +00N	Grab	wCB, mCL, wKF, mQZ, mAB						
	49 +15E	Strike Length Exp. : >60 m	Metallics : 0.5%CP, 1%HS						
545930	Elevation: 640 m	Sample Width : m	Secondaries: None	<5	<0.2	102.	200.	<2	8.
	Orientation: /	True Width : m	Host : Felsic aplite vein?						

Comments : Possible aplite dyke, looks similar to aplites that cut hematite breccia. Minor disseminated chalcopyrite with possible disseminated brannerite (or hematite), chlorite patches; grab from 1x1m area.

Sample No.	Grid Co-or.	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	80 +00N	Chip	wCB, wCL, KF?, wMS, mQZ						
	49 +25E	Strike Length Exp. : 10 m	Metallics : 1.5%CP, 2%HS, 0.5%PY						
545931	Elevation: 650 m	Sample Width : 2 m	Secondaries: None	45.	<0.2	23.	3790.	<2	16.
	Bedding : 100 / 33 N	True Width : 2 ? m	Host : Crackle brecciated and altered limey sediments						

Comments : Weakly bedded limey sediments, weakly crackle brecciated, siliceous beds disrupted. Alteration gives mottled texture with sericite chlorite halos. Chalcopyrite as 0.5-3mm blebs intergrown with specular hematite. Chip is perpendicular to bed.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	80 +00N	Grab	mCB, mCL, mQZ, AB?							
	49 +50E	Strike Length Exp. : m	Metallics :	5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545932	Elevation: 660 m	Sample Width : m	Secondaries:	None	<5	<0.2	<1	34.	<2	14.
	Orientation: /	True Width : m	Host :	Blue grey homolithic carb-specular hematite breccia						

Comments : Blue grey homolithic-carbonate-specularite breccia. Matrix quartz +/- albite-carbonate + chlorite, framework supported. Fragments. Blue grey metasediments. No visible sulphides.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	80 +00N	Grab	sCB, mCL, s-mQZ							
	50 +10E	Strike Length Exp. : 10 m	Metallics :	7%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545933	Elevation: 710 m	Sample Width : m	Secondaries:	None	<5	<0.2	2.	53.	<2	20.
	Orientation: /	True Width : m	Host :	Grey blue homolithic hematite breccia						

Comments : Grey blue color, matrix - framework supported. Matrix granular quartz carbonate with lesser chlorite +/- albite and 5% disseminated specularite. Fragments grey quartz carbonate sediments. Breccia may be conformable?

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	84 +80N	Grab	wCL, sQZ, sAB							
	51 +35E	Strike Length Exp. : 10 m	Metallics :	6%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545934	Elevation: 670 m	Sample Width : m	Secondaries:	None	<5	<0.2	4.	12.	<2	20.
	Orientation: /	True Width : m	Host :	Sodic heterolithic hematite breccia						

Comments : White sodic heterolithic hematite breccia. Matrix supported, fragments subangular, sediments and massive specular hematite. Granular quartz albite matrix with disseminated specular hematite and chlorite.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	85 +30N	Grab	mCL, wMS, mQZ							
	53 +50E	Strike Length Exp. : >50 m	Metallics :	4%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545935	Elevation: 760 m	Sample Width : m	Secondaries:	None	<5	<0.2	3.	6.	<2	14.
	Orientation: /	True Width : m	Host :	Carbonate hematite breccia						

Comments : Light grey-brown homolithic, framework - matrix supported. Matrix carbonate and quartz minor chlorite. Fragments; large blocks - <1cm bedded carbonates and calcareous sediments. Locally carbonates seem to contain porphyroblasts of andalusite.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	86 +00N	Grab	wKF, sQZ, sAB							
	52 +40E	Strike Length Exp. : >40 m	Metallics :	1%BR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545936	Elevation: 720 m	Sample Width : m	Secondaries:	None	<5	<0.2	<1	7.	<2	6.
	Orientation: 164 / ?	True Width : m	Host :	Intensely albite quartz altered green slates						

Comments : Strong conformable altered zone. Albite quartz fine aplitic texture completely replaces shale both along foliation & as cross-cutting veinlets. Brannerite as dissem. blebs & up to 1cm euhedral cubes. Sparry calcite locally fills voids same as adj breccia

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Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	76 +00N	Grab	w?KF, sQZ, sAB							
	52 +07E	Strike Length Exp. : >30 m	Metallics :	3%HS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545937	Elevation: 860 m	Sample Width : m	Secondaries:	None	<5	<0.2	88.	8.	<2	8.
	Bedding : 068 / 28 N	True Width : m	Host :	Pale-dark green siliceous slate						

Comments : Strong quartz albite semi-conformable alteration zone. Quartz albite flooding along bedding and quartz albite, specular hematite +/- brannerite veins. Pyrite as disseminated cubes approximately 1-2% specular hematite in quartz albite veins.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	76 +00N	Grab	sCB, wCL, sQZ, wAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +50E	Strike Length Exp. : >50 m	5%HS, 1%PY						
545938	Elevation: 860 m	Sample Width : m	None	35.	<0.2	8.	10.	<2	28.
	Orientation: /	True Width : m	Carbonate breccia						

Comments : Carbonate breccia. Pale grey-blue grey framework supported, largely calcareous fragments, big blocks frequent, essentially homolithic. Matrix fine-grained carbonate quartz +/- albite, minor chlorite. Local sparry calcite.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	76 +20N	Grab	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	51 +25E	Strike Length Exp. : 25 m	15%MG						
545939	Elevation: 810 m	Sample Width : m	None	<5	<0.2	13.	4.	<2	8.
	Orientation: 150 / 50 NE	True Width : m	Felsic magnetite-bearing monzonite? dyke						

Comments : Felsic magnetite-bearing dyke. Groundmass mainly, Kspar/albite? with minor chlorite and Fe-carbonate. Magnetite 5-15% is as subhedral crystal masses. This is candidate for highly oxidized felsic intrusive dyke >4m.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	81 +00N	Chip	sCB, mSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	49 +50E	Strike Length Exp. : m	2%CP, 2%HS						
546026	Elevation: 625 m	Sample Width : 1.0 m	wAZ, sMC	40.	<0.2	29.	1.25%	4.	4.
	Orientation: /	True Width : 1.0 m	Heterolithic breccia						

Comments : Hoover Grid. Samples 546026-546041 were all taken frrom the same showing.

Sample No.	UTM :	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	N	Chip	CB, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : m	<1%BO, 2%CP, <2%HS						
546027	Elevation: 625 m	Sample Width : 1.0 m	sMC	105.	0.4	94.	3.09%	2.	<2
	Orientation: /	True Width : 1.0 m	Heterolithic breccia						

Comments :

Sample No.	UTM :	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	N	Chip	CB, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : m	2%CP, 2%HS						
546028	Elevation: 630 m	Sample Width : 1.0 m	wMC	70.	0.2	47.	1.39%	<2	4.
	Orientation: /	True Width : m	Heterolithic breccia						

Comments :

Sample No.	UTM :	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	N	Chip	mCB, mKF, wSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : m	1-2%CP, 1-2%HS						
546029	Elevation: 630 m	Sample Width : 1.0 m	wMC	5.	<0.2	47.	1.04%	<2	2.
	Orientation: /	True Width : m	Heterolithic breccia						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	wCB, wKF, mSI, sAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	3%CP, 2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546030	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	MC	30.	0.6	34.	2.66%	<2	<2
	Orientation: /		True Width : m	Host :	Heterolithic carbonate breccia						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	mCB, wKF, mSI, mAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	2-3%CP, 3-5%HS, tr-5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546031	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	wMC	<5	<0.2	36.	7321.	<2	4.
	Orientation: /		True Width : m	Host :	Heterolithic breccia/aplite dyke						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	wCB, sCL	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	<1%CP, trHS, trMG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546032	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	wMC	<5	<0.2	16.	989.	<2	70.
	Orientation: /		True Width : m	Host :	Chlorite-rich clast?/heterolithic breccia						

Comments : Mafic dyke - irregular form.

Sample No.	UTM :	N	Type : Chip	Alteration :	mCB, mSI, mAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	3-5%CP, trHS, MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546033	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	wMC	205.	0.8	63.	2.61%	<2	8.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments : Mafic dyke. Chalcopyrite in contact phase.

Sample No.	UTM :	N	Type : Chip	Alteration :	mCB, mSI	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	1%CP, 2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546034	Elevation:		Sample Width : m	Secondaries:	mMC	75.	0.2	45.	1.04%	<2	2.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	CB, SI	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	2%CP, HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546035	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	mMC	25.	<0.2	56.	7990.	<2	2.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	CB, SI	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546036	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	None	<5	0.4	29.	1.32%	<2	<2
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	wCB, mSI, mAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	2-3%CP, 2-5%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546037	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	wMC	<5	<0.2	33.	2100.	<2	6.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	wCB, mSI, mAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	3%CP, 5%HS,trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546038	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	wMC	5.	<0.2	75.	6670.	<2	2.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	N	Type : Chip	Alteration :	wCB, wSI, mAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	2-3%CP, 3-5%HS, tr-1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546039	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	None	20.	<0.2	69.	1.44%	<2	14.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments : Note blebby chalcopyrite, fine-grained pyrite.

Sample No.	UTM :	N	Type : Chip	Alteration :	None	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	3-5%CP, 2-15%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546040	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	wMC	35.	<0.2	56.	1.71%	<2	6.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments : Crosses small shear 020, 6SE?. Enriched in chalcopyrite.

Sample No.	UTM :	N	Type : Chip	Alteration :	mSI, mAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	1-2%CP, 2-3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546041	Elevation: 630 m		Sample Width : 1.0 m	Secondaries:	wMC	<5	<0.2	50.	2320.	<2	16.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments : Specular hematite is fine-grained.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	82 +00N	Grab	ssQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	54 +00E	Strike Length Exp. : m	Metallics : trCP, 2%HS, 2-3%PY						
546112	Elevation:	Sample Width : 2 m	Secondaries: sHE, sJA	<5	0.2	4.	299.	4.	76.
	Orientation: /	True Width : ? m	Host : Quartz vein						

Comments : Sample taken on L 8200/5400E. Large frothy, coarse-grained quartz veins, but a quick grab along line as I was running I.P. Strong I.P. anomaly here.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	82 +00N	Grab	CL	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	54 +00E	Strike Length Exp. : m	Metallics : >1%CP. 1-2%HS. 10-15PY						
546113	Elevation:	Sample Width : 2-3 m	Secondaries: HE, JA	25.	0.2	<1	135.	<2	172.
	Orientation: /	True Width : ? m	Host : Sediments						

Comments : Taken in same area as 546112. Strong I.P. anomaly here. A quick grab while running I.P.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	83 +90N	Chip	CA, QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	49 +80E	Strike Length Exp. : m	Metallics : 2%CP, 3%HS, trPY						
546405	Elevation:	Sample Width : 5 m	Secondaries: wAZ, wHE, sMC	30.	<0.2	37.	5930.	<2	32.
	Orientation: /	True Width : m	Host : Heterolithic breccia-hem, CP blebs & dissem. patches						

Comments : A very large block of dark grey breccia with hematite fragments. Carb-quartz veins with coarse-grained vuggy chalcopyrite, minor chlorite, abundant pink feldspathization, very massive, well mineralized.

Sample No.	Grid Co-or.	Type	Alteration	Au	Ag	Co	Cu	Pb	Zn
	86 +30N	Grab	3%KF, 1%QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	53 +40E	Strike Length Exp. : m	Metallics : 1-2%HS						
546406	Elevation:	Sample Width : m	Secondaries: None	<5	0.4	327.	63.	4.	18.
	Orientation: /	True Width : m	Host : Feldspathic altered siltstone						

Comments : Chloritic feldspathic siltstone. Local Kspar-quartz veined. Brecciated, but not breccia and sideritic carbonate pods, no chalcopyrite, laminated and massive.

APPENDIX E

CERTIFICATES OF ANALYSIS

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 %

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Gold

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

Chemex Code: 100

A 10g 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

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Pamicon Developments Limited
711 - 675 W. Hastings St.
Vancouver, BC, V6B 1N4

Project: Fairchild - Hoover

Certificate Date: 15-Nov-93
Page Number: 1
Total Pages: 6
Account: BM

Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
545811	<5	<0.2	11.19	1820	3.5	<2	0.15	<0.5	8	114	33	4.94	4.96	0.35
545812	<5	<0.2	7.24	170	<0.5	6	3.74	<0.5	23	97	203	5.37	0.38	1.75
545813	20	<0.2	4.13	1530	<0.5	6	13.41	<0.5	12	83	1854	1.92	3.36	0.68
545814	15	<0.2	5.25	800	1.5	6	9.45	<0.5	47	120	180	3.13	3.72	0.78
545815	25	<0.2	7.84	1730	1.0	2	2.87	<0.5	17	83	706	1.81	6.51	0.54
545816	55	<0.2	7.59	4450	<0.5	4	3.42	<0.5	15	98	1485	0.98	7.54	0.53
545817	20	<0.2	8.23	3270	1.5	2	1.77	0.5	12	91	732	0.92	6.55	0.47
545818	<5	<0.2	10.12	1690	3.0	<2	0.13	<0.5	7	147	3	9.07	4.90	0.31
545819	<5	<0.2	8.26	1380	3.0	2	0.96	<0.5	47	115	9	11.95	4.30	0.75
545820	<5	<0.2	8.44	3900	0.5	<2	5.08	<0.5	8	130	52	1.44	9.00	1.10
545821	<5	<0.2	9.55	680	2.5	<2	0.39	<0.5	18	87	<1	2.46	3.84	0.17
545822	<5	<0.2	0.58	60	<0.5	<2	2.86	<0.5	57	65	1536	>25.00	0.19	2.25
545823	20	<0.2	6.29	780	0.5	4	5.12	<0.5	16	87	597	2.14	3.86	1.13
545824	<5	<0.2	5.20	90	0.5	4	9.87	<0.5	7	81	22	2.06	0.41	0.53
545825	<5	<0.2	7.03	1540	1.5	2	3.68	<0.5	6	102	<1	1.57	5.83	0.52
545826	<5	<0.2	7.54	1400	1.5	4	4.26	<0.5	7	88	20	1.47	5.70	0.82
545827	45	<0.2	7.56	2680	1.0	6	1.98	<0.5	9	95	2146	2.14	6.61	0.67
545828	<5	<0.2	5.29	1530	0.5	4	7.10	<0.5	99	81	179	2.78	4.05	0.54
545829	<5	<0.2	8.74	10	<0.5	<2	1.62	<0.5	40	74	44	10.93	0.14	8.78
545830	<5	<0.2	10.26	830	2.5	6	0.64	<0.5	10	108	6	6.29	4.65	0.98
545831	<5	<0.2	9.77	1600	0.5	4	0.18	<0.5	29	95	86	10.98	3.78	0.55
545832	<5	<0.2	3.86	410	1.5	6	14.08	<0.5	30	51	32	1.55	2.41	0.71
545833	<5	<0.2	10.76	960	3.5	4	0.19	<0.5	8	92	21	6.27	5.03	0.39
545834	15	<0.2	9.84	240	0.5	28	0.21	<0.5	41	78	13	1.95	1.73	0.53
545835	5	<0.2	7.83	270	0.5	<2	0.08	<0.5	36	85	85	6.31	1.22	6.53
545836	<5	<0.2	11.40	1030	3.5	6	0.19	<0.5	26	130	17	4.69	3.58	0.70
545837	<5	<0.2	2.61	40	1.0	4	11.65	<0.5	67	82	8	2.34	0.09	0.36
545838	<5	<0.2	3.38	110	<0.5	10	16.62	<0.5	66	64	19	1.30	0.10	1.00
545839	25	<0.2	4.08	80	0.5	4	10.71	<0.5	12	96	3251	2.83	0.23	0.16
545840	<5	<0.2	10.99	760	3.0	4	0.25	<0.5	33	154	35	6.71	3.47	0.56
545841	25	<0.2	5.26	70	0.5	8	7.08	<0.5	38	124	3163	5.10	0.32	0.12
545842	15	<0.2	3.09	20	<0.5	2	4.57	<0.5	52	99	35	17.60	0.06	2.97
545843	<5	<0.2	9.60	120	1.5	4	0.37	<0.5	61	97	13	5.76	0.86	0.31
545844	<5	<0.2	9.85	670	1.5	6	0.41	<0.5	25	192	290	4.23	3.07	1.19
545845	15	<0.2	6.93	10	8.0	2	7.32	<0.5	29	47	4865	4.15	0.10	0.07

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Vancouver, BC, V6B 1N4

Project: Fairchild - Hoover

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %
545811	170	1	0.37	29	450	<2	24	0.28	69	<10	<2	50	
545812	470	2	4.82	46	970	<2	42	0.20	74	10	<2	<10	
545813	2385	10	0.82	20	630	<2	122	0.06	37	10	<2	<10	
545814	4910	<1	0.44	20	800	<2	105	0.24	39	10	4	<10	
545815	975	<1	1.02	18	760	<2	120	0.27	56	<10	<2	30	
545816	555	7	0.65	14	780	<2	128	0.14	44	<10	<2	<10	
545817	520	<1	1.38	20	720	<2	73	0.12	59	<10	<2	40	
545818	180	1	0.30	40	510	<2	22	0.21	106	<10	<2	<10	
545819	1410	5	0.36	59	690	<2	30	0.20	85	<10	28	70	
545820	1060	2	0.65	20	1240	<2	110	0.11	48	<10	10	<10	
545821	270	1	0.46	24	500	<2	93	0.24	84	<10	<2	40	
545822	>10000	<1	0.03	87	1600	<2	37	0.01	16	<10	46	<10	
545823	1260	<1	2.44	31	920	<2	94	0.16	52	<10	<2	<10	
545824	1675	<1	3.68	17	1300	<2	92	0.12	45	<10	<2	<10	
545825	565	<1	1.29	15	750	<2	86	0.20	48	<10	<2	<10	
545826	795	<1	1.54	19	800	<2	75	0.14	44	<10	<2	60	
545827	405	<1	1.52	29	980	<2	82	0.11	47	<10	<2	<10	
545828	1885	2	1.38	27	1830	<2	125	0.10	35	<10	2	<10	
545829	1895	1	0.30	102	450	<2	9	0.05	148	<10	58	<10	
545830	350	3	0.37	42	570	<2	28	0.22	99	<10	<2	80	
545831	75	3	2.31	18	1000	<2	53	0.27	120	<10	<2	70	
545832	3145	<1	1.31	21	1810	<2	176	0.09	50	<10	<2	<10	
545833	160	4	0.36	33	560	<2	23	0.26	93	<10	<2	20	
545834	85	6	6.49	19	950	<2	51	0.14	25	<10	<2	40	
545835	520	<1	0.43	59	340	<2	13	0.21	92	<10	26	10	
545836	1290	2	0.84	38	610	<2	230	0.32	96	<10	<2	70	
545837	1525	<1	1.91	14	1030	<2	64	0.04	30	<10	<2	<10	
545838	3170	<1	2.58	11	1880	<2	116	0.07	19	<10	<2	<10	
545839	1345	<1	2.88	4	490	<2	46	0.11	33	<10	<2	<10	
545840	1985	2	0.68	49	600	18	267	0.36	89	<10	40	40	
545841	1275	<1	4.29	12	610	<2	62	0.19	58	10	2	<10	
545842	2370	<1	0.11	102	3400	<2	35	0.03	58	10	50	<10	
545843	165	1	6.29	14	710	<2	35	0.18	61	<10	<2	20	
545844	555	1	1.11	39	420	8	96	0.31	78	<10	46	40	
545845	930	<1	5.43	6	620	<2	46	0.11	50	<10	<2	<10	

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Project: Fairchild - Hoover

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Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
545866	<5	<0.2	8.95	120	1.5	<2	0.84	<0.5	6	71	10	0.54	0.32	0.15
545867	<5	<0.2	8.95	130	1.0	<2	2.03	<0.5	8	68	51	1.49	0.41	0.60
545868	<5	<0.2	8.30	90	1.0	<2	1.98	<0.5	4	26	29	0.57	0.35	0.36
545869	<5	<0.2	6.72	540	1.0	4	6.97	<0.5	4	51	23	0.67	1.91	0.17
545870	25	<0.2	6.05	1060	1.0	2	7.25	<0.5	66	71	2277	1.96	5.06	0.88
545871	45	<0.2	5.34	580	1.0	6	11.96	<0.5	76	68	6431	2.22	3.24	0.80
545872	<5	<0.2	6.40	580	1.5	4	8.22	<0.5	107	78	404	1.49	2.72	0.78
545873	<5	<0.2	1.17	200	<0.5	4	15.00	<0.5	30	33	969	10.07	0.47	0.76
545874	10	<0.2	4.61	160	<0.5	4	8.45	<0.5	114	45	210	14.51	0.34	1.85
545875	<5	<0.2	8.22	70	<0.5	2	3.44	0.5	64	62	2158	6.11	0.26	0.85
546405	30	<0.2	3.43	40	1.0	<2	16.10	0.5	37	57	5928	2.74	0.21	0.18
546406	<5	0.4	7.70	230	1.5	2	2.59	<0.5	327	132	63	1.50	0.20	0.50
545905	<5	<0.2	8.56	1580	2.0	<2	0.85	<0.5	11	137	139	4.70	3.09	0.57
545906	<5	<0.2	11.06	850	3.5	<2	0.21	<0.5	4	137	31	4.31	5.09	0.31
545907	<5	<0.2	10.19	1030	3.0	<2	0.14	<0.5	<1	102	20	5.56	4.73	0.29
545908	50	<0.2	7.89	1890	1.0	<2	3.66	<0.5	25	93	986	4.46	3.81	0.73
545909	<5	<0.2	6.83	2680	0.5	<2	8.47	<0.5	12	92	1331	1.33	6.71	0.53
545910	<5	<0.2	0.35	90	<0.5	<2	0.59	<0.5	4	176	205	2.92	0.12	0.37
545911	40	<0.2	6.88	1190	<0.5	<2	4.04	<0.5	74	99	33	17.84	2.18	0.55
545912	15	<0.2	5.79	30	<0.5	<2	1.18	<0.5	55	144	45	10.93	0.12	0.48
545913	<5	<0.2	8.54	2140	1.5	<2	1.74	<0.5	6	121	215	2.22	5.14	0.61
545914	<5	<0.2	8.68	1950	2.5	<2	1.29	<0.5	3	85	66	1.18	5.52	0.68
545915	<5	<0.2	6.69	50	<0.5	<2	5.27	<0.5	50	99	45	3.76	0.18	1.14
545916	<5	<0.2	7.50	610	2.0	<2	4.81	<0.5	13	54	33	3.25	3.66	0.62
545917	<5	<0.2	5.26	120	0.5	<2	0.53	<0.5	94	168	12	0.76	0.36	0.05
545918	<5	1.0	5.51	1720	1.0	<2	11.39	<0.5	56	85	4990	0.86	1.94	0.31
545919	<5	<0.2	10.43	950	3.0	2	0.17	<0.5	4	134	26	4.08	4.67	0.29
545920	<5	<0.2	7.26	100	0.5	<2	3.56	<0.5	21	99	92	6.16	0.19	1.30
545921	40	<0.2	6.99	110	2.0	2	7.48	<0.5	12	91	2346	1.13	0.55	0.56
545922	50	<0.2	7.15	410	2.0	<2	3.70	<0.5	11	101	2657	1.46	2.14	0.96
545923	<5	<0.2	5.52	30	<0.5	<2	4.60	<0.5	<1	86	126	9.64	0.11	0.06
545924	<5	<0.2	5.79	70	5.0	<2	7.24	<0.5	13	90	18	7.81	0.43	0.13
545925	<5	<0.2	4.75	220	1.5	<2	6.10	<0.5	21	150	17	5.51	1.36	1.17
545926	<5	<0.2	5.24	70	6.0	<2	7.53	<0.5	31	118	8	6.25	0.48	0.11
545927	<5	<0.2	6.68	40	1.0	<2	2.20	<0.5	15	146	7	4.39	0.24	0.28

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %
545866	430	<1	7.02	9	460	10	72	0.09	8	<10	6	70	
545867	1375	<1	6.52	12	740	<2	63	0.11	28	<10	<2	20	
545868	740	2	6.90	5	530	6	83	0.09	10	<10	<2	<10	
545869	1145	<1	4.07	8	1370	<2	76	0.12	20	<10	<2	<10	
545870	2280	1	1.60	16	1510	<2	80	0.17	75	<10	<2	<10	
545871	3190	<1	1.99	24	1400	<2	119	0.12	60	<10	18	<10	
545872	1990	1	3.20	24	1670	<2	155	0.15	73	<10	<2	<10	
545873	4685	<1	0.10	25	8810	<2	120	0.02	14	20	16	<10	
545874	2370	<1	2.31	68	>10000	<2	108	0.04	44	20	22	<10	
545875	1430	<1	5.74	20	840	<2	36	0.13	70	<10	<2	<10	
546405	1825	<1	2.07	14	430	<2	75	0.10	33	<10	32	<10	
546406	1005	2	5.10	105	3260	4	81	0.05	28	<10	18	530	
545905	770	2	0.42	35	490	<2	99	0.31	75	<10	18	10	
545906	170	3	0.46	27	610	<2	46	0.21	105	<10	8	60	
545907	160	2	0.39	33	580	<2	28	0.25	102	<10	8	60	
545908	675	3	2.28	52	840	<2	107	0.14	58	<10	18	140	
545909	1005	1	0.74	13	740	<2	151	0.10	39	<10	22	140	
545910	460	1	0.03	2	100	<2	12	0.01	7	<10	14	<10	
545911	540	15	2.43	55	1560	<2	87	0.11	105	<10	18	90	
545912	620	3	4.15	25	640	<2	16	0.13	86	<10	20	<10	
545913	535	<1	2.59	37	370	<2	54	0.12	78	<10	14	140	
545914	425	<1	2.17	21	650	<2	74	0.18	54	<10	16	60	
545915	1585	2	4.61	27	640	<2	39	0.14	59	<10	26	<10	
545916	4205	<1	0.29	22	790	<2	66	0.27	49	<10	14	20	
545917	280	<1	3.69	22	1130	<2	52	0.07	21	<10	10	50	
545918	1550	<1	2.78	34	450	4	203	0.18	46	<10	6	<10	
545919	1220	<1	0.53	25	510	<2	101	0.30	95	<10	8	40	
545920	1400	<1	4.86	31	730	<2	54	0.19	96	<10	22	<10	
545921	1250	1	4.83	13	990	<2	49	0.06	26	<10	14	20	
545922	725	<1	3.87	20	770	4	33	0.10	51	<10	16	60	
545923	945	2	4.52	3	520	<2	37	0.13	166	<10	14	<10	
545924	1410	2	4.54	6	730	<2	36	0.19	142	<10	12	<10	
545925	2230	3	1.26	19	700	<2	25	0.11	82	<10	30	<10	
545926	1205	1	3.76	8	680	<2	32	0.16	84	<10	10	<10	
545927	760	1	4.94	11	500	4	28	0.12	52	<10	14	<10	

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Project: Fairchild - Hoover

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Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
545928	<5	<0.2	6.44	30	2.5	<2	0.50	<0.5	4	127	9	3.93	0.10	0.60
545929	<5	<0.2	8.84	40	1.5	<2	0.51	<0.5	1	150	725	4.04	0.34	1.37
545930	<5	<0.2	8.74	20	<0.5	<2	4.52	<0.5	102	29	200	0.46	0.12	0.12
545931	45	<0.2	6.97	1070	1.5	<2	6.89	<0.5	23	102	3792	1.22	3.85	0.49
545932	<5	<0.2	6.05	50	1.0	<2	10.53	<0.5	<1	96	34	3.08	0.31	0.53
545933	<5	<0.2	4.55	70	3.5	<2	6.77	<0.5	2	137	53	6.84	0.40	0.18
546026	40	<0.2	6.72	20	6.5	<2	5.76	<0.5	29	70	>10000	6.12	0.09	0.08
546027	105	0.4	7.15	10	7.0	<2	3.99	<0.5	94	78	>10000	7.01	0.11	0.11
546028	70	0.2	7.22	20	17.5	<2	3.60	<0.5	47	82	>10000	6.95	0.12	0.03
546029	5	<0.2	8.32	20	1.5	<2	4.31	<0.5	47	80	>10000	2.68	0.15	0.04
546030	30	0.6	7.77	20	0.5	<2	4.50	<0.5	34	71	>10000	3.87	0.10	0.06
546031	<5	<0.2	8.34	20	0.5	<2	4.07	<0.5	36	70	7321	1.72	0.10	0.06
546032	<5	<0.2	7.51	80	1.0	<2	0.62	<0.5	16	130	989	9.57	0.66	5.06
546033	205	0.8	7.77	30	<0.5	<2	3.26	<0.5	63	111	>10000	5.78	0.22	1.47
546034	75	0.2	6.53	10	6.5	<2	6.79	<0.5	45	68	>10000	6.18	0.07	0.10
546035	25	<0.2	6.98	10	3.0	<2	8.23	<0.5	56	65	7985	3.47	0.07	0.09
546036	<5	0.4	6.34	20	10.0	<2	6.81	<0.5	29	70	>10000	6.26	0.07	0.07
546037	<5	<0.2	7.09	10	13.0	<2	6.12	<0.5	33	64	2096	5.57	0.07	0.06
546038	5	<0.2	8.28	10	2.5	<2	6.43	<0.5	75	61	6670	3.78	0.07	0.06
546039	20	<0.2	6.16	10	7.0	<2	7.43	<0.5	69	55	>10000	6.23	0.08	0.11
546040	35	<0.2	6.14	10	5.5	<2	6.62	<0.5	56	64	>10000	6.19	0.07	0.12
546041	<5	<0.2	6.58	10	8.5	<2	6.24	<0.5	50	70	2320	5.24	0.05	0.08
546112	<5	0.2	0.26	20	<0.5	<2	2.03	<0.5	4	180	299	3.57	0.02	1.14
546113	25	0.2	0.61	90	<0.5	<2	4.83	<0.5	<1	30	135	21.27	0.07	5.62
545934	<5	<0.2	6.92	50	<0.5	<2	0.20	<0.5	4	174	12	5.58	0.10	0.36
545935	<5	<0.2	5.80	20	<0.5	<2	7.50	<0.5	3	127	6	3.61	0.09	0.20
545936	<5	<0.2	9.82	40	3.0	<2	0.36	<0.5	<1	69	7	0.15	0.14	0.03
545937	<5	<0.2	7.17	130	1.0	<2	0.72	<0.5	88	173	8	1.48	0.37	0.09
545938	35	<0.2	6.99	70	<0.5	2	3.43	<0.5	8	104	10	13.62	0.18	0.63
545939	<5	<0.2	5.37	60	<0.5	2	7.86	<0.5	13	76	4	2.58	0.17	0.17

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %
545928	490	1	4.66	13	680	<2	30	0.08	49	<10	20	10	
545929	755	<1	6.05	47	530	<2	36	0.15	48	<10	28	140	
545930	1000	<1	6.86	6	920	<2	39	0.13	11	<10	8	780	
545931	1250	2	2.02	20	1050	<2	77	0.12	40	<10	16	<10	
545932	1470	<1	4.70	3	790	<2	74	0.19	69	<10	14	20	
545933	1440	1	3.57	3	460	<2	48	0.14	90	<10	20	<10	
546026	925	<1	5.52	4	480	4	37	0.12	70	<10	4	<10	1.25
546027	670	2	5.79	10	<10	2	32	0.11	59	<10	<2	30	3.09
546028	615	7	5.94	6	530	<2	38	0.13	84	<10	4	<10	1.39
546029	660	<1	6.79	6	670	<2	25	0.17	33	<10	2	<10	1.04
546030	750	7	6.32	4	410	<2	27	0.08	25	<10	<2	170	2.66
546031	665	1	6.76	4	790	<2	27	0.11	23	<10	4	150	
546032	1325	2	1.23	156	460	<2	6	0.27	150	<10	70	100	
546033	970	2	5.10	47	170	<2	19	0.17	58	<10	8	10	2.61
546034	950	2	5.44	4	560	<2	38	0.12	68	<10	2	<10	1.04
546035	945	<1	5.81	6	410	<2	46	0.09	43	<10	2	<10	
546036	930	2	5.31	3	540	<2	39	0.17	83	<10	<2	<10	1.32
546037	835	2	5.95	4	710	<2	40	0.13	78	<10	6	<10	
546038	900	6	6.89	11	790	<2	40	0.07	42	<10	2	<10	
546039	1030	1	5.11	9	500	<2	38	0.11	71	<10	14	<10	1.44
546040	895	1	5.06	7	270	<2	39	0.12	68	<10	6	50	1.71
546041	770	3	5.50	8	650	<2	42	0.14	66	<10	16	<10	
546112	2310	1	0.06	3	40	4	20	<0.01	9	<10	76	<10	
546113	>10000	6	0.06	6	<10	<2	32	0.01	28	<10	172	<10	
545934	280	2	5.28	10	470	<2	28	0.12	53	<10	20	30	
545935	1695	1	4.63	7	590	<2	54	0.15	58	<10	14	<10	
545936	80	<1	7.89	2	650	<2	73	0.03	1	<10	6	<10	
545937	425	1	5.25	17	660	<2	73	0.07	26	<10	8	40	
545938	770	4	5.40	53	660	<2	47	0.02	135	20	28	<10	
545939	1065	<1	4.29	10	540	<2	58	0.10	45	<10	8	<10	

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

A9317885

Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE A9317885

PAMICON DEVELOPMENTS LIMITED

Project: HOOVER-FAIRCHILD
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-AUG-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	266	Dry, sieve to -80 mesh
203	8	Dry, sieve to -35 mesh
205	8	Geochem ring to approx 150 mesh
217	1	Geochem ring entire sample
285	275	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
100	275	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	275	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	275	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	275	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	275	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	275	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	275	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	275	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	275	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	275	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	275	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	275	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	275	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	275	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	275	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	275	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	275	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	275	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	275	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	275	Pb ppm: 24 element, rock & core	AAS	2	10000
582	275	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	275	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	275	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	275	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	275	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	275	La ppm: 20 element, rock ID	ICP-AES	10	10000

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PHONE: 604-984-0221

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

Certificate Date: 06-AUG-93
Invoice No. :I9317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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)
L6200N 5000N	201	285	< 5	< 0.2	5.13	600	< 0.5	< 2	5.68	< 0.5	45	69	324	3.11	1.64	1.85
L6300N 5100E	201	285	< 5	< 0.2	4.46	440	< 0.5	8	5.03	< 0.5	122	61	877	3.21	1.23	1.09
L6300N 5150E	201	285	225	< 0.2	4.97	560	< 0.5	< 2	3.95	< 0.5	672	107	1840	12.05	1.12	1.97
L6300N 5200E	201	285	< 5	< 0.2	5.91	600	< 0.5	32	1.33	< 0.5	41	80	266	4.03	1.70	1.10
L6300N 5250E	201	285	< 5	< 0.2	5.55	650	< 0.5	66	1.62	< 0.5	69	60	534	4.98	1.64	1.14
L6300N 5300E	201	285	< 5	< 0.2	6.65	640	< 0.5	84	0.76	< 0.5	67	68	673	4.77	1.72	0.95
L6300N 5350E	201	285	< 5	< 0.2	6.03	470	< 0.5	98	0.55	< 0.5	44	64	952	3.40	1.49	1.04
L6400N 5150E	201	285	50	< 0.2	5.77	650	< 0.5	6	4.21	< 0.5	237	71	683	5.40	1.75	1.57
L6400N 5200E	201	285	20	< 0.2	6.83	670	< 0.5	6	0.91	< 0.5	274	72	1115	6.39	1.96	0.90
L6400N 5250E	201	285	< 5	< 0.2	5.27	570	< 0.5	10	1.77	< 0.5	48	133	354	4.06	1.41	1.98
L6400N 5300E	201	285	< 5	< 0.2	4.48	470	< 0.5	38	1.61	< 0.5	69	79	364	4.02	1.03	1.56
L6400N 5350E	201	285	10	< 0.2	6.87	240	< 0.5	68	0.63	< 0.5	468	70	1230	10.60	0.67	4.35
L6475N 5200E	201	285	110	< 0.2	5.81	1100	3.5	2	2.39	< 0.5	156	80	362	5.06	1.81	1.65
L6500N 5150N	201	285	30	< 0.2	5.26	610	2.0	6	2.70	< 0.5	46	66	230	3.35	1.48	1.12
L6600N 5000E	201	285	< 5	< 0.2	6.02	810	2.5	18	1.38	< 0.5	47	77	534	3.57	2.04	1.06
L6600N 5050E	201	285	< 5	< 0.2	5.95	770	3.0	4	2.90	< 0.5	29	70	305	3.32	2.23	1.07
L6600N 5100E	201	285	15	< 0.2	5.43	750	2.0	8	3.72	< 0.5	31	64	347	3.36	2.17	0.90
L6600N 5150E	201	285	20	< 0.2	5.00	760	2.5	4	8.04	< 0.5	17	63	737	3.27	1.37	0.96
L6600N 5200E	201	285	< 5	< 0.2	7.75	810	4.0	8	0.89	< 0.5	47	84	531	3.88	3.04	0.57
L6600N 5250E	201	285	< 5	< 0.2	7.24	740	4.5	12	0.96	< 0.5	54	79	433	4.05	2.76	0.62
L6600N 5300E	201	285	< 5	< 0.2	6.84	760	1.0	16	0.68	< 0.5	71	85	814	4.72	2.09	0.66
L6650N 5000N	201	285	15	< 0.2	5.73	780	1.0	< 2	1.01	< 0.5	29	70	185	3.44	2.25	0.61
L6700N 5050N	201	285	20	< 0.2	4.61	890	< 0.5	< 2	4.19	< 0.5	18	63	319	3.21	1.51	1.02
L6700N 5085E	201	285	< 5	< 0.2	5.15	1230	0.5	< 2	5.81	0.5	14	65	647	3.05	1.79	1.87
L6800N 5000E	201	285	145	< 0.2	5.47	850	0.5	< 2	2.67	< 0.5	30	66	1790	3.80	1.92	1.32
L6800N 5050E	201	285	50	< 0.2	5.84	1020	1.5	2	2.67	< 0.5	36	70	3650	3.99	2.10	1.27
L6800N 5100E	201	285	30	< 0.2	5.14	1090	1.0	< 2	4.51	< 0.5	22	63	1590	3.22	1.89	2.24
L6830N 5150E	201	285	5	< 0.2	6.05	940	1.0	16	1.09	< 0.5	20	67	205	4.11	1.63	0.95
L6830N 5200E	201	285	< 5	< 0.2	4.01	1070	0.5	12	1.98	< 0.5	21	53	100	2.70	1.33	0.72
L6830N 5250E	201	285	< 5	< 0.2	6.73	1170	1.0	6	1.34	< 0.5	53	74	163	3.93	2.32	1.00
L6830N 5300E	201	285	< 5	< 0.2	7.66	730	2.5	2	0.84	< 0.5	45	84	140	4.38	2.64	0.92
L6850N 5000E	201	285	30	< 0.2	5.63	1030	1.5	< 2	4.40	< 0.5	26	66	2190	3.49	1.98	1.54
L6900N 5000E	201	285	< 5	< 0.2	3.82	480	0.5	8	3.98	0.5	15	53	907	2.39	1.24	1.09
L6900N 5050E	201	285	95	< 0.2	5.61	1040	1.0	10	2.97	0.5	22	71	4500	3.74	1.82	1.09
L6900N 5100E	201	285	70	< 0.2	6.54	800	1.5	10	0.77	< 0.5	18	75	323	4.09	1.88	1.01
L6900N 5150E	201	285	< 5	< 0.2	6.26	1780	0.5	< 2	1.33	< 0.5	18	74	120	4.18	1.15	1.01
L6900N 5200E	201	285	25	< 0.2	7.31	1260	1.5	< 2	1.72	< 0.5	39	89	122	6.13	2.42	2.00
L6900N 5250E	201	285	< 5	< 0.2	7.50	960	2.0	< 2	0.71	< 0.5	43	97	298	4.10	2.56	0.77
L6900N 5300E	201	285	< 5	< 0.2	6.69	870	0.5	< 2	1.16	< 0.5	67	87	890	5.60	2.20	0.92
L7000N 4700E	201	285	< 5	< 0.2	5.34	520	0.5	< 2	2.59	< 0.5	7	74	34	3.23	1.77	1.84

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 : 7
Certificate Date: 06-AUG-93
Invoice No. : I9317885
P.O. Number :
Account : BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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		
L6200N 5000N	201	285	1465	3	0.90	34	1020	22	89	0.21	85	< 10	108	< 10		
L6300N 5100E	201	285	2480	3	1.11	44	1390	26	74	0.16	78	< 10	84	< 10		
L6300N 5150E	201	285	3120	8	0.95	156	9690	10	103	0.19	74	< 10	90	20		
L6300N 5200E	201	285	1595	1	0.61	37	930	18	69	0.21	86	< 10	104	60		
L6300N 5250E	201	285	3470	1	0.45	36	770	6	67	0.14	58	< 10	60	40		
L6300N 5300E	201	285	3670	1	0.81	53	570	10	73	0.20	65	< 10	88	80		
L6300N 5350E	201	285	870	3	1.15	24	920	14	60	0.21	78	< 10	66	60		
L6400N 5150E	201	285	2940	13	1.01	71	1770	16	94	0.19	93	< 10	110	10		
L6400N 5200E	201	285	1080	13	0.76	77	1520	18	68	0.23	88	< 10	84	50		
L6400N 5250E	201	285	2010	< 1	0.51	89	1030	10	76	0.31	73	< 10	66	60		
L6400N 5300E	201	285	2290	1	0.62	57	1280	16	67	0.20	68	< 10	70	40		
L6400N 5350E	201	285	5170	6	0.89	174	1060	8	37	0.16	93	< 10	150	80		
L6475N 5200E	201	285	2460	15	0.90	79	1270	22	78	0.24	95	< 10	192	70		
L6500N 5150N	201	285	1590	3	0.98	31	1050	20	72	0.20	88	< 10	102	20		
L6600N 5000E	201	285	2980	13	0.58	49	1040	12	67	0.19	72	< 10	102	30		
L6600N 5050E	201	285	2310	1	0.43	34	850	14	79	0.17	65	< 10	64	20		
L6600N 5100E	201	285	2220	4	0.50	31	980	16	80	0.18	73	< 10	90	10		
L6600N 5150E	201	285	2640	1	1.09	26	900	18	87	0.19	80	< 10	90	< 10		
L6600N 5200E	201	285	2740	3	0.61	33	800	8	76	0.21	81	< 10	44	40		
L6600N 5250E	201	285	3150	2	0.60	35	970	10	74	0.21	77	< 10	56	40		
L6600N 5300E	201	285	4420	3	0.86	49	940	8	92	0.24	77	< 10	70	60		
L6650N 5000N	201	285	2630	3	0.45	32	620	8	62	0.18	55	< 10	36	40		
L6700N 5050N	201	285	2520	4	0.53	23	950	18	154	0.19	78	< 10	122	10		
L6700N 5085E	201	285	1620	2	0.67	27	970	24	104	0.20	84	< 10	120	10		
L6800N 5000E	201	285	2190	4	0.69	31	900	24	74	0.20	92	< 10	128	30		
L6800N 5050E	201	285	2370	5	0.71	31	900	24	75	0.20	87	< 10	126	30		
L6800N 5100E	201	285	1290	7	0.66	28	950	22	86	0.22	93	< 10	134	10		
L6830N 5150E	201	285	1585	3	0.61	32	1000	30	67	0.25	112	< 10	126	40		
L6830N 5200E	201	285	1850	4	0.40	21	1220	14	83	0.17	73	< 10	124	20		
L6830N 5250E	201	285	1970	6	0.55	45	1130	16	68	0.22	86	< 10	94	50		
L6830N 5300E	201	285	2050	4	0.57	68	820	8	59	0.27	74	< 10	118	70		
L6850N 5000E	201	285	2130	5	0.72	31	930	18	90	0.23	82	< 10	120	20		
L6900N 5000E	201	285	1045	2	0.35	19	870	18	73	0.16	71	< 10	80	< 10		
L6900N 5050E	201	285	1725	9	0.61	33	870	24	77	0.22	99	< 10	132	20		
L6900N 5100E	201	285	1605	4	0.80	37	520	28	69	0.26	105	< 10	128	40		
L6900N 5150E	201	285	2520	4	2.21	32	860	20	599	0.19	83	< 10	80	30		
L6900N 5200E	201	285	2410	8	0.73	41	750	18	63	0.23	93	< 10	86	60		
L6900N 5250E	201	285	2400	2	0.62	36	550	16	84	0.26	87	< 10	72	30		
L6900N 5300E	201	285	5500	3	0.62	50	950	14	83	0.24	77	< 10	94	60		
L7000N 4700E	201	285	495	< 1	0.58	24	590	26	75	0.27	91	< 10	130	20		

CERTIFICATION: Hart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: PAMICON DEVELOPMENTS LIMITED
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711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Page Number :2-A
Total Pages :7
Certificate Date: 06-AUG-93
Invoice No. :19317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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)
L7000N 4750E	201 285	< 5	< 0.2	5.78	570	< 0.5	< 2	2.78	< 0.5	11	73	35	3.27	2.08	1.81
L7000N 4800E	201 285	< 5	< 0.2	5.92	590	< 0.5	< 2	0.98	< 0.5	13	74	35	3.72	2.11	0.83
L7000N 4850E	201 285	< 5	< 0.2	7.18	1060	< 0.5	< 2	1.46	< 0.5	22	79	1155	3.31	2.95	0.69
L7000N 4900E	201 285	< 5	< 0.2	6.98	1150	< 0.5	< 2	1.41	< 0.5	25	76	869	3.39	2.91	0.73
L7000N 4950E	201 285	25	< 0.2	8.00	1260	0.5	8	1.10	< 0.5	29	83	1085	4.10	3.26	0.69
L7000N 5000E	201 285	20	< 0.2	8.21	1310	< 0.5	6	1.59	< 0.5	24	87	1290	3.86	3.42	0.84
L7000N 5050E	201 285	25	< 0.2	7.66	1350	< 0.5	4	1.93	< 0.5	23	83	665	3.75	3.21	0.88
L7000N 5100E	201 285	850	< 0.2	7.25	1220	< 0.5	< 2	1.77	< 0.5	49	75	>10000	4.56	2.90	1.18
L7000N 5150E	201 285	< 5	< 0.2	6.94	860	< 0.5	4	1.61	< 0.5	28	81	308	3.75	2.54	0.75
L7000N 5200E	201 285	< 5	< 0.2	7.72	1090	2.5	2	3.63	< 0.5	34	100	301	3.82	3.06	0.93
L7000N 5250E	201 285	25	< 0.2	7.13	920	1.5	< 2	3.16	< 0.5	96	91	2110	4.23	2.61	1.46
L7000N 5300E	201 285	< 5	< 0.2	6.91	860	1.5	< 2	3.87	< 0.5	102	71	349	3.24	3.07	1.30
L7100N 5000E	201 285	70	< 0.2	6.90	1050	1.5	< 2	2.40	< 0.5	66	78	1405	4.62	2.53	1.10
L7100N 5050E	201 285	185	< 0.2	6.62	900	1.5	< 2	2.98	< 0.5	135	75	4190	4.78	2.44	1.67
L7100N 5100E	201 285	105	< 0.2	8.77	1450	2.0	< 2	0.96	< 0.5	93	85	110	7.55	3.22	0.92
L7100N 5175E	201 285	< 5	< 0.2	6.66	880	1.0	< 2	2.78	< 0.5	20	87	195	3.05	2.66	0.67
L7100N 5250E	201 285	< 5	< 0.2	6.55	850	1.0	< 2	5.28	< 0.5	14	67	79	2.94	2.74	1.91
L7100N 5300E	201 285	< 5	< 0.2	5.14	700	1.0	< 2	6.40	< 0.5	13	59	83	3.04	2.07	2.24
L7200N 4950E	201 285	35	< 0.2	6.19	970	1.5	< 2	2.26	< 0.5	33	73	1565	3.80	2.40	1.49
L7200N 5000E	201 285	30	< 0.2	6.41	970	1.0	< 2	2.32	< 0.5	27	76	2070	3.68	2.36	1.30
L7200N 5050E	201 285	10	< 0.2	5.39	760	2.0	< 2	3.38	< 0.5	32	68	453	3.34	1.91	1.09
L7200N 5100E	201 285	70	< 0.2	6.64	840	1.5	2	1.56	< 0.5	81	77	1500	4.27	2.25	1.22
L7200N 5150E	201 285	10	< 0.2	5.38	600	1.0	12	1.71	0.5	44	55	278	3.47	1.54	0.89
L7200N 5200E	201 285	10	< 0.2	6.51	860	1.0	< 2	1.20	< 0.5	27	82	91	3.58	2.31	0.62
L7200N 5250E	201 285	< 5	< 0.2	8.07	1030	1.0	< 2	1.98	< 0.5	51	106	148	3.37	3.20	1.19
L7300N 4900E	201 285	15	< 0.2	6.02	710	1.0	< 2	2.76	< 0.5	33	75	730	3.28	2.11	1.09
L7300N 4950E	201 285	25	< 0.2	6.51	860	0.5	< 2	1.89	< 0.5	32	78	1035	3.75	2.20	1.23
L7300N 5000E	201 285	10	< 0.2	5.67	660	0.5	< 2	2.50	< 0.5	31	72	372	3.18	2.01	1.28
L7300N 5050E	201 285	15	< 0.2	4.95	550	1.0	< 2	3.12	< 0.5	22	68	247	2.88	1.67	0.87
L7300N 5100E	201 285	65	< 0.2	6.36	640	0.5	< 2	1.38	< 0.5	113	82	361	4.37	1.80	0.95
L7300N 5150E	201 285	10	< 0.2	7.32	630	0.5	< 2	0.88	< 0.5	26	90	94	4.40	2.05	1.02
L7300N 5200E	201 285	< 5	< 0.2	5.96	810	0.5	2	0.96	< 0.5	25	75	97	3.50	1.66	0.66
L7300N 5250E	201 285	< 5	< 0.2	7.00	1060	2.0	< 2	1.64	< 0.5	24	94	81	4.01	2.83	0.50
L7300N 5300E	201 285	< 5	< 0.2	6.06	780	2.0	4	1.46	< 0.5	26	70	106	4.55	2.29	0.62
L7400N 4925E	201 285	< 5	< 0.2	5.76	630	< 0.5	2	1.44	< 0.5	13	73	54	3.42	1.95	0.90
L7400N 5050E	201 285	< 5	< 0.2	6.91	670	< 0.5	2	0.74	< 0.5	23	86	150	4.31	2.02	0.97
L7400N 5100E	201 285	< 5	< 0.2	6.19	550	0.5	2	2.01	< 0.5	50	77	289	3.55	1.61	1.08
L7400N 5150E	201 285	< 5	< 0.2	7.51	730	0.5	8	1.18	< 0.5	57	83	214	4.78	2.10	0.87
L7400N 5200E	201 285	< 5	< 0.2	6.30	550	< 0.5	4	1.02	< 0.5	27	75	132	5.23	1.69	0.87
L7400N 5250E	201 285	< 5	< 0.2	5.73	710	1.0	2	1.42	< 0.5	20	71	111	3.70	2.13	0.54

CERTIFICATION: Stewart 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: 06-AUG-93
Invoice No. :19317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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		
L7000N 4750E	201	285	660	1	0.69	26	690	30	85	0.27	107	< 10	144	30		
L7000N 4800E	201	285	945	3	0.68	27	700	30	76	0.28	107	< 10	162	40		
L7000N 4850E	201	285	1240	2	0.60	25	740	8	82	0.18	76	< 10	58	40		
L7000N 4900E	201	285	1275	2	0.65	24	670	6	92	0.18	70	< 10	46	50		
L7000N 4950E	201	285	1465	3	0.73	27	650	6	88	0.24	81	< 10	42	70		
L7000N 5000E	201	285	1380	2	0.70	27	680	6	102	0.22	81	< 10	48	60		
L7000N 5050E	201	285	1525	1	0.66	26	680	4	107	0.21	75	< 10	48	60		
L7000N 5100E	201	285	1355	4	0.72	30	630	4	94	0.19	78	10	62	100		
L7000N 5150E	201	285	1915	2	0.60	33	730	6	92	0.23	70	< 10	58	60		
L7000N 5200E	201	285	2170	2	0.50	32	808	6	104	0.22	70	< 10	58	50		
L7000N 5250E	201	285	3170	2	0.60	55	750	8	95	0.25	75	10	74	50		
L7000N 5300E	201	285	2130	1	0.51	37	870	4	100	0.17	63	< 10	58	30		
L7100N 5000E	201	285	1915	6	0.93	31	840	14	78	0.23	91	10	100	40		
L7100N 5050E	201	285	1665	4	0.88	34	950	18	83	0.19	90	10	108	40		
L7100N 5100E	201	285	2010	14	1.29	35	940	14	63	0.21	105	10	70	150		
L7100N 5175E	201	285	1975	1	0.42	27	810	6	87	0.16	63	< 10	64	20		
L7100N 5250E	201	285	2330	1	0.57	22	750	6	112	0.15	58	< 10	54	10		
L7100N 5300E	201	285	2310	1	0.68	28	620	8	121	0.19	59	< 10	52	< 10		
L7200N 4950E	201	285	2570	4	0.82	34	1200	30	72	0.22	101	10	166	90		
L7200N 5000E	201	285	2050	6	0.76	35	970	26	77	0.25	93	< 10	112	70		
L7200N 5050E	201	285	2150	3	0.59	31	850	24	72	0.21	92	< 10	120	50		
L7200N 5100E	201	285	1815	3	0.92	45	850	24	80	0.24	101	< 10	110	140		
L7200N 5150E	201	285	1330	< 1	0.68	34	960	22	73	0.20	94	< 10	108	30		
L7200N 5200E	201	285	2110	1	0.59	28	840	16	70	0.19	82	< 10	70	30		
L7200N 5250E	201	285	2040	2	0.61	43	1070	8	94	0.21	84	10	82	40		
L7300N 4900E	201	285	1665	3	0.65	30	910	28	75	0.22	87	< 10	106	40		
L7300N 4950E	201	285	1735	1	0.78	33	970	32	79	0.25	100	10	120	60		
L7300N 5000E	201	285	1460	2	0.72	31	1000	36	77	0.22	88	< 10	134	60		
L7300N 5050E	201	285	910	3	0.59	26	800	20	73	0.19	91	< 10	88	30		
L7300N 5100E	201	285	1565	4	1.11	59	610	22	80	0.22	90	10	78	90		
L7300N 5150E	201	285	955	2	1.11	38	460	20	87	0.29	103	< 10	102	40		
L7300N 5200E	201	285	855	2	0.77	31	1250	22	71	0.21	109	< 10	104	50		
L7300N 5250E	201	285	2600	3	0.61	39	720	8	95	0.19	68	< 10	88	40		
L7300N 5300E	201	285	1750	3	0.73	43	650	12	91	0.18	60	< 10	110	60		
L7400N 4925E	201	285	780	3	0.60	27	880	32	72	0.27	123	10	158	30		
L7400N 5050E	201	285	1115	< 1	0.94	39	610	26	83	0.32	109	< 10	118	70		
L7400N 5100E	201	285	1645	2	1.24	45	890	10	66	0.19	80	< 10	94	40		
L7400N 5150E	201	285	2330	< 1	1.08	43	930	14	96	0.21	96	< 10	88	70		
L7400N 5200E	201	285	690	1	0.85	24	750	22	78	0.28	130	< 10	96	30		
L7400N 5250E	201	285	2060	1	0.59	32	890	8	80	0.13	62	< 10	100	20		

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

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

Certificate Date: 06-AUG-93
Invoice No. :19317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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)
L7400N 5300E	201 285	< 5	< 0.2	6.96	710	1.0	6	0.69	< 0.5	16	83	54	3.67	1.94	0.84
L7500N 5000E	201 285	270	< 0.2	5.82	760	0.5	8	1.99	< 0.5	45	69	4170	4.31	2.01	1.38
L7500N 5050E	201 285	55	< 0.2	6.33	680	0.5	2	1.07	< 0.5	23	72	684	3.67	2.02	0.89
L7500N 5100E	201 285	40	< 0.2	5.61	780	1.0	12	1.98	< 0.5	34	66	1310	3.96	1.81	0.96
L7500N 5150E	201 285	< 5	< 0.2	5.46	460	< 0.5	6	1.83	< 0.5	18	59	127	4.18	1.35	1.04
L7500N 5250E	201 285	< 5	< 0.2	8.19	750	1.0	12	0.61	< 0.5	55	97	1000	4.99	2.54	0.94
L7500N 5300E	201 285	< 5	< 0.2	7.97	1230	1.0	6	4.13	< 0.5	24	134	107	3.22	3.51	1.32
L7550N 5000E	201 285	20	< 0.2	6.62	730	1.5	8	0.93	0.5	56	76	1455	4.32	2.02	1.09
L7600N 4850E	201 285	< 5	< 0.2	6.85	560	1.0	4	1.06	< 0.5	22	88	137	4.06	2.08	1.15
L7600N 4900E	201 285	30	< 0.2	5.68	720	0.5	8	1.32	< 0.5	24	87	1110	3.93	1.93	1.14
L7600N 4950E	201 285	15	< 0.2	5.39	780	0.5	< 2	3.21	< 0.5	32	153	1115	4.33	1.85	2.31
L7600N 5000E	201 285	20	< 0.2	5.09	680	< 0.5	4	3.64	< 0.5	41	129	1750	4.50	1.54	1.94
L7600N 5050E	201 285	75	< 0.2	4.47	490	< 0.5	6	4.25	< 0.5	36	98	2100	3.87	1.19	1.12
L7600N 5100E	201 285	115	< 0.2	5.70	480	< 0.5	14	3.44	< 0.5	64	76	1350	4.52	1.25	0.93
L7600N 5150E	201 285	15	< 0.2	6.89	660	< 0.5	10	0.78	< 0.5	25	80	80	3.75	1.26	0.79
L7600N 5200E	201 285	< 5	< 0.2	6.26	640	< 0.5	10	0.83	< 0.5	47	152	386	5.44	1.83	1.50
L7600N 5250E	201 285	< 5	< 0.2	6.53	640	< 0.5	18	0.94	< 0.5	35	98	170	4.70	2.13	1.00
L7600N 5300E	201 285	< 5	< 0.2	6.50	720	0.5	10	1.14	< 0.5	19	70	51	3.94	2.29	0.76
L7650N 5000E	201 285	30	< 0.2	5.60	550	< 0.5	8	1.55	< 0.5	27	79	2160	3.96	1.65	0.99
L7700N 4700E	201 285	< 5	< 0.2	6.20	590	1.0	< 2	0.53	< 0.5	16	75	33	4.04	2.06	0.81
L7700N 4750E	201 285	< 5	< 0.2	7.41	550	2.0	< 2	0.68	< 0.5	15	98	116	4.32	2.04	1.28
L7700N 4800E	201 285	< 5	< 0.2	5.80	730	< 0.5	< 2	0.97	< 0.5	13	71	61	3.62	1.90	0.83
L7700N 4850E	201 285	< 5	< 0.2	6.11	800	1.0	< 2	1.26	0.5	18	69	312	3.75	2.10	0.90
L7700N 4900E	201 285	65	< 0.2	5.67	780	0.5	< 2	1.55	< 0.5	21	71	1170	3.90	1.95	1.02
L7700N 4950E	201 285	10	< 0.2	2.88	400	0.5	< 2	3.90	0.5	10	45	493	1.88	0.99	0.78
L7700N 5000E	201 285	365	< 0.2	5.25	530	0.5	< 2	3.48	< 0.5	32	67	8430	4.51	1.54	1.72
L7700N 5050E	201 285	75	< 0.2	5.90	390	1.0	< 2	2.04	< 0.5	41	59	2580	3.84	1.19	0.83
L7700N 5100E	201 285	< 5	< 0.2	6.10	490	0.5	< 2	1.59	< 0.5	38	74	228	4.05	1.38	0.86
L7700N 5150E	201 285	< 5	< 0.2	5.61	610	0.5	< 2	1.15	< 0.5	20	93	126	3.68	1.70	0.81
L7700N 5200E	201 285	< 5	< 0.2	8.18	980	0.5	< 2	0.81	< 0.5	26	114	131	4.38	2.68	0.60
L7700N 5250E	201 285	< 5	< 0.2	6.87	960	0.5	< 2	0.73	< 0.5	18	68	38	4.07	2.28	0.48
L7700N 5300E	201 285	5	< 0.2	6.59	660	1.0	< 2	0.46	< 0.5	5	75	26	2.30	2.45	0.57
L7750N 5000E	201 285	55	< 0.2	5.01	680	0.5	< 2	2.70	< 0.5	38	131	2390	4.18	1.46	1.88
L7800N 4750E	201 285	< 5	< 0.2	5.86	590	1.0	< 2	1.87	< 0.5	15	69	136	3.22	1.77	1.28
L7800N 4800E	201 285	25	< 0.2	5.40	670	0.5	< 2	2.12	< 0.5	19	84	1125	3.08	1.93	1.08
L7800N 4850E	201 285	< 5	< 0.2	5.32	670	< 0.5	6	2.65	< 0.5	22	62	35	2.99	1.43	0.93
L7800N 4900E	201 285	< 5	< 0.2	6.75	730	0.5	6	0.96	< 0.5	21	77	424	4.16	1.89	1.01
L7800N 4950E	201 285	< 5	< 0.2	5.38	680	0.5	< 2	1.76	< 0.5	14	68	240	3.15	1.60	0.89
L7800N 5000E	201 285	140	< 0.2	6.06	440	0.5	< 2	1.95	< 0.5	55	69	750	4.77	1.14	0.86
L7800N 5050E	201 285	25	< 0.2	6.17	490	< 0.5	< 2	1.62	< 0.5	39	73	135	4.58	1.27	0.79

CERTIFICATION: Stewart Bridden

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
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Page Number :3-B
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CERTIFICATE OF ANALYSIS A9317885

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		
L7400N 5300E	201	285	535	1	1.21	34	710	10	135	0.32	97	< 10	86	60		
L7500N 5000E	201	285	3160	4	1.10	34	3160	26	67	0.22	97	10	152	70		
L7500N 5050E	201	285	2690	3	1.24	32	1840	28	69	0.25	99	< 10	142	80		
L7500N 5100E	201	285	3900	2	0.85	35	1930	28	70	0.23	96	< 10	104	90		
L7500N 5150E	201	285	1165	< 1	1.70	27	1660	16	61	0.26	121	< 10	92	40		
L7500N 5250E	201	285	1390	1	0.83	63	810	16	127	0.35	114	< 10	120	90		
L7500N 5300E	201	285	2230	1	0.57	47	1040	6	130	0.39	94	< 10	64	20		
L7550N 5000E	201	285	2190	< 1	0.85	40	1140	34	69	0.25	110	< 10	140	80		
L7600N 4850E	201	285	950	1	1.09	42	900	8	76	0.31	85	< 10	102	60		
L7600N 4900E	201	285	1635	1	0.82	46	980	30	73	0.26	109	< 10	128	70		
L7600N 4950E	201	285	1685	1	0.73	96	1330	32	124	0.61	130	10	140	60		
L7600N 5000E	201	285	2050	1	0.76	84	1400	26	99	0.48	122	< 10	114	40		
L7600N 5050E	201	285	3350	1	1.03	57	1360	22	71	0.29	88	10	84	40		
L7600N 5100E	201	285	3170	1	1.85	50	1730	20	80	0.23	91	10	96	60		
L7600N 5150E	201	285	2100	< 1	2.14	38	560	14	89	0.27	96	< 10	74	60		
L7600N 5200E	201	285	3050	< 1	0.81	85	1080	18	101	0.59	124	< 10	92	70		
L7600N 5250E	201	285	1800	2	0.75	59	860	20	81	0.36	100	< 10	84	40		
L7600N 5300E	201	285	2910	1	0.96	37	770	12	82	0.21	76	< 10	68	50		
L7650N 5000E	201	285	2010	1	0.76	36	990	28	70	0.20	100	< 10	116	40		
L7700N 4700E	201	285	1215	1	0.70	29	530	30	78	0.30	111	< 10	142	40		
L7700N 4750E	201	285	540	1	1.27	49	740	8	87	0.42	86	< 10	100	60		
L7700N 4800E	201	285	1005	3	0.60	27	1050	36	70	0.29	124	< 10	182	40		
L7700N 4850E	201	285	1660	3	0.72	30	1250	36	72	0.28	117	< 10	194	60		
L7700N 4900E	201	285	1425	2	0.74	30	1070	30	73	0.25	103	< 10	224	50		
L7700N 4950E	201	285	800	1	0.30	19	1000	18	60	0.14	58	< 10	80	< 10		
L7700N 5000E	201	285	2420	2	0.85	38	930	24	77	0.22	88	< 10	128	30		
L7700N 5050E	201	285	2290	6	1.99	33	810	20	62	0.17	80	< 10	82	30		
L7700N 5100E	201	285	1810	2	1.34	37	850	24	70	0.24	106	< 10	96	30		
L7700N 5150E	201	285	615	1	0.72	34	520	20	96	0.38	113	< 10	64	40		
L7700N 5200E	201	285	1970	< 1	1.05	42	830	8	99	0.27	87	< 10	54	40		
L7700N 5250E	201	285	3000	< 1	0.87	31	480	8	82	0.17	65	< 10	50	70		
L7700N 5300E	201	285	280	1	0.98	12	350	14	82	0.41	114	< 10	32	40		
L7750N 5000E	201	285	1745	1	0.68	85	1300	22	104	0.56	112	< 10	102	40		
L7800N 4750E	201	285	730	1	0.71	31	530	24	81	0.23	89	< 10	108	30		
L7800N 4800E	201	285	840	2	0.69	40	920	24	83	0.29	96	< 10	114	30		
L7800N 4850E	201	285	1825	1	1.36	21	2220	24	83	0.19	95	< 10	172	10		
L7800N 4900E	201	285	1200	1	0.76	36	650	34	81	0.28	124	< 10	172	40		
L7800N 4950E	201	285	965	< 1	0.59	26	890	28	79	0.22	100	< 10	142	30		
L7800N 5000E	201	285	1935	2	1.71	34	960	16	58	0.23	98	< 10	72	60		
L7800N 5050E	201	285	2500	2	1.48	33	1040	24	63	0.24	101	< 10	88	40		

CERTIFICATION: Stewart 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

Certificate Date: 06-AUG-93
Invoice No. :I9317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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)
L7800N 5100E	201	285	30	< 0.2	5.70	390	1.0	< 2	1.16	< 0.5	90	60	191	4.87	0.86	1.24
L7800N 5150E	201	285	< 5	< 0.2	4.90	580	0.5	< 2	2.09	< 0.5	33	86	115	3.54	1.42	0.93
L7800N 5200E	201	285	< 5	< 0.2	6.27	740	0.5	< 2	1.68	< 0.5	18	61	70	3.59	1.81	0.54
L7800N 5250E	201	285	< 5	< 0.2	6.46	860	1.0	< 2	0.50	< 0.5	9	71	13	3.20	1.98	0.33
L7800N 5300E	201	285	< 5	< 0.2	5.13	630	< 0.5	< 2	2.09	< 0.5	24	53	122	3.88	1.51	0.70
L7850N 5000E	201	285	35	< 0.2	5.91	550	1.5	< 2	1.98	< 0.5	58	72	593	3.99	1.83	0.98
L7900N 4600E	201	285	20	< 0.2	4.02	530	0.5	< 2	6.25	< 0.5	24	60	341	2.60	1.47	1.26
L7900N 4650E	201	285	15	< 0.2	5.93	590	1.5	< 2	1.59	< 0.5	94	82	326	4.29	1.59	0.96
L7900N 4800E	201	285	10	< 0.2	5.29	520	< 0.5	< 2	1.66	< 0.5	22	63	531	2.56	1.86	0.71
L7900N 4850E	201	285	115	< 0.2	6.30	650	1.0	< 2	1.11	< 0.5	56	72	>10000	5.26	2.26	0.97
L7900N 4900E	217	285	65	< 0.2	10.20	1220	1.5	< 2	0.25	< 0.5	2	87	2570	1.28	4.79	0.49
L7900N 4950E	201	285	135	< 0.2	5.46	540	1.0	< 2	3.14	< 0.5	103	67	1510	4.13	1.67	0.99
L7900N 5000E	201	285	90	< 0.2	5.19	560	1.5	< 2	2.88	< 0.5	93	79	1320	3.95	1.58	1.27
L7900N 5000E A	201	285	35	< 0.2	6.20	560	1.5	< 2	0.92	< 0.5	42	76	847	4.42	1.87	0.94
L7900N 5050E	201	285	< 5	< 0.2	6.05	650	2.0	< 2	0.94	< 0.5	43	80	256	3.97	1.73	0.85
L7900N 5100E	201	285	10	< 0.2	4.99	270	1.5	< 2	0.19	< 0.5	19	64	51	5.19	0.96	0.52
L7900N 5150E	201	285	15	< 0.2	5.05	590	< 0.5	< 2	1.66	< 0.5	26	72	150	3.56	1.70	0.56
L7900N 5200E	201	285	< 5	< 0.2	5.56	650	1.0	< 2	1.67	< 0.5	20	67	116	3.53	1.96	0.70
L7900N 5250E	201	285	10	< 0.2	6.08	540	1.5	< 2	1.42	< 0.5	20	74	152	4.16	1.96	0.99
L7900N 5300E	203	205	< 5	< 0.2	8.05	470	2.0	< 2	0.68	< 0.5	11	83	56	4.93	2.65	1.17
L7950N 5000E	201	285	45	< 0.2	6.04	480	1.0	< 2	0.97	< 0.5	47	72	124	4.07	1.45	0.79
L8000N 4900E	201	285	705	< 0.2	4.82	450	1.0	< 2	2.34	< 0.5	112	55	3710	3.21	1.35	0.93
L8000N 4950E	201	285	785	< 0.2	4.50	420	3.5	< 2	2.69	< 0.5	557	58	901	5.69	1.28	0.69
L8000N 5000E	201	285	20	< 0.2	4.91	680	1.0	< 2	2.71	< 0.5	80	145	261	4.42	1.44	1.66
L8000N 5000E A	201	285	15	< 0.2	4.49	450	0.5	< 2	2.83	< 0.5	36	59	106	3.07	1.34	0.69
L8000N 5050E	201	285	< 5	< 0.2	5.98	580	0.5	< 2	0.73	< 0.5	14	80	42	3.98	1.61	0.79
L8000N 5100E	201	285	< 5	< 0.2	5.87	510	0.5	2	0.51	< 0.5	12	71	54	3.71	1.46	0.78
L8000N 5150E	201	285	< 5	< 0.2	4.13	380	< 0.5	< 2	1.32	< 0.5	23	57	87	14.60	1.23	0.60
L8000N 5200E	203	205	< 5	< 0.2	6.22	390	1.5	< 2	1.12	< 0.5	29	71	178	5.97	1.79	1.06
L8000N 5250E	203	205	5	< 0.2	7.46	460	1.5	< 2	0.43	< 0.5	18	78	156	5.82	2.31	1.21
L8000N 5300E	201	285	< 5	< 0.2	8.22	490	2.0	< 2	0.22	< 0.5	8	82	98	5.42	2.60	1.10
L8050N 5000E	201	285	25	< 0.2	4.78	430	1.5	< 2	2.20	< 0.5	47	119	182	3.30	1.19	1.06
L8050N 5000E A	201	285	45	< 0.2	5.29	420	2.5	< 2	1.61	< 0.5	66	133	127	3.82	1.31	0.97
L8100N 4750E	201	285	30	< 0.2	4.19	390	1.5	< 2	2.48	< 0.5	33	72	913	2.57	1.25	0.73
L8100N 4800E	201	285	20	< 0.2	4.29	400	0.5	< 2	2.35	< 0.5	31	66	988	2.65	1.32	0.72
L8100N 4850E	201	285	20	< 0.2	5.32	460	1.5	< 2	1.90	< 0.5	37	80	1210	3.23	1.53	0.87
L8100N 4900E	201	285	10	< 0.2	6.61	540	2.0	2	0.74	< 0.5	49	93	435	4.01	1.84	0.97
L8100N 4900E A	201	285	10	< 0.2	5.70	470	2.0	< 2	0.99	< 0.5	27	76	1195	3.60	1.62	0.94
L8100N 4950E	201	285	< 5	< 0.2	4.94	470	1.0	< 2	1.20	< 0.5	13	61	170	2.71	1.34	0.61
L8100N 5000E	201	285	< 5	< 0.2	6.28	510	2.0	2	0.63	< 0.5	28	78	69	4.08	1.65	0.72

CERTIFICATION: Stewart Bridler

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

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Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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		
L7800N 5100E	201	285	3700	1	1.28	52	1080	20	53	0.36	157	< 10	92	30		
L7800N 5150E	201	285	1970	1	0.62	44	950	14	95	0.31	79	< 10	64	30		
L7800N 5200E	201	285	2540	1	0.74	28	700	8	83	0.15	62	< 10	40	30		
L7800N 5250E	201	285	2340	< 1	0.96	13	580	6	50	0.13	65	< 10	54	30		
L7800N 5300E	201	285	4600	1	0.51	34	1000	12	74	0.18	67	< 10	60	20		
L7850N 5000E	201	285	1715	4	0.76	34	740	36	69	0.24	101	< 10	110	40		
L7900N 4600E	201	285	885	2	0.47	24	760	28	87	0.19	77	< 10	100	< 10		
L7900N 4650E	201	285	2130	3	0.89	44	750	34	72	0.26	94	< 10	102	40		
L7900N 4800E	201	285	525	3	0.52	29	750	26	66	0.23	77	< 10	100	30		
L7900N 4850E	201	285	1135	10	0.64	50	620	36	60	0.21	88	< 10	130	70		
L7900N 4900E	217	285	60	2	2.22	15	420	8	73	0.20	77	< 10	8	170		
L7900N 4950E	201	285	1780	3	0.82	38	850	30	74	0.24	89	< 10	112	30		
L7900N 5000E	201	285	1715	2	0.66	50	860	28	74	0.27	86	< 10	100	20		
L7900N 5000E A	201	285	1935	2	0.70	39	390	36	75	0.29	107	< 10	124	30		
L7900N 5050E	201	285	1690	2	0.68	36	800	38	76	0.25	103	< 10	112	50		
L7900N 5100E	201	285	545	3	0.66	26	330	60	37	0.18	86	< 10	98	10		
L7900N 5150E	201	285	2490	2	0.49	36	850	18	80	0.19	65	< 10	60	20		
L7900N 5200E	201	285	2070	2	0.69	33	780	18	84	0.20	68	< 10	72	20		
L7900N 5250E	201	285	1700	3	0.80	38	1000	28	87	0.24	77	< 10	118	30		
L7900N 5300E	203	205	825	4	0.75	26	640	20	69	0.23	79	< 10	108	60		
L7950N 5000E	201	285	2080	1	1.07	32	690	34	56	0.26	99	< 10	144	40		
L8000N 4900E	201	285	1355	4	0.79	36	860	34	58	0.20	86	< 10	142	40		
L8000N 4950E	201	285	2430	5	0.88	96	1130	22	60	0.17	74	< 10	88	30		
L8000N 5000E	201	285	1650	2	0.75	87	1040	24	91	0.54	109	< 10	96	20		
L8000N 5000E A	201	285	1315	2	0.63	25	890	24	63	0.20	77	< 10	84	10		
L8000N 5050E	201	285	670	2	0.64	32	380	34	77	0.31	111	< 10	112	40		
L8000N 5100E	201	285	405	2	0.79	24	230	26	82	0.32	97	< 10	80	30		
L8000N 5150E	201	285	770	17	0.50	24	970	8	67	0.16	67	< 10	124	20		
L8000N 5200E	203	205	3140	8	0.63	33	1220	16	73	0.22	74	< 10	72	50		
L8000N 5250E	203	205	1795	6	0.76	33	1040	12	69	0.26	79	< 10	72	70		
L8000N 5300E	201	285	1035	4	0.82	22	690	4	67	0.28	81	< 10	56	40		
L8050N 5000E	201	285	1320	2	0.44	55	870	26	53	0.17	83	< 10	90	30		
L8050N 5000E A	201	285	1120	2	0.49	58	530	28	51	0.21	101	< 10	98	30		
L8100N 4750E	201	285	1050	1	0.50	29	850	20	53	0.15	66	< 10	94	10		
L8100N 4800E	201	285	1105	1	0.54	30	960	20	54	0.16	68	< 10	118	10		
L8100N 4850E	201	285	1015	2	0.71	37	810	24	60	0.19	81	< 10	106	20		
L8100N 4900E	201	285	825	2	0.92	38	380	30	84	0.29	98	< 10	88	20		
L8100N 4900E A	201	285	1065	1	0.78	41	340	30	79	0.30	89	< 10	98	30		
L8100N 4950E	201	285	890	2	0.57	20	450	30	63	0.22	86	< 10	74	20		
L8100N 5000E	201	285	645	2	0.80	29	460	42	71	0.30	99	< 10	102	20		

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

Page Number :5-A
Total Pages :7
Certificate Date: 06-AUG-93
Invoice No. :19317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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)
L8100N 5050E	201	285	30	< 0.2	5.45	460	< 0.5	< 2	1.37	< 0.5	88	73	222	4.19	1.45	0.81
L8100N 5150E	201	285	15	< 0.2	7.57	440	< 0.5	< 2	0.30	< 0.5	15	81	245	7.67	2.23	1.21
L8100N 5200E	203	205	< 5	< 0.2	8.30	480	< 0.5	< 2	0.27	< 0.5	7	141	64	3.63	2.54	1.25
L8100N 5250E	203	205	< 5	< 0.2	7.97	440	0.5	< 2	0.21	< 0.5	6	126	135	3.60	2.51	1.09
L8100N 5300E	203	205	< 5	< 0.2	6.87	400	< 0.5	< 2	0.43	< 0.5	10	127	71	3.58	2.18	1.09
L8150N 5000N	201	285	< 5	< 0.2	5.50	490	< 0.5	< 2	1.50	< 0.5	46	70	116	3.78	1.60	0.81
L8200N 4900E	201	285	< 5	< 0.2	5.22	480	< 0.5	< 2	1.72	< 0.5	40	67	213	3.40	1.53	0.79
L8200N 4950E	201	285	5	< 0.2	4.57	450	< 0.5	< 2	2.13	< 0.5	38	67	135	2.99	1.22	0.76
L8200N 5000E	201	285	< 5	< 0.2	5.80	500	< 0.5	< 2	1.29	< 0.5	23	110	66	3.45	1.64	1.25
L8200N 5050E	201	285	< 5	< 0.2	7.79	500	< 0.5	< 2	0.45	< 0.5	20	87	97	6.34	2.17	1.00
L8200N 5100E	201	285	< 5	< 0.2	6.80	420	< 0.5	< 2	0.32	< 0.5	16	76	70	5.00	1.98	0.91
L8200N 5150E	201	285	< 5	< 0.2	7.80	450	0.5	10	0.30	< 0.5	27	77	159	6.64	1.73	1.20
L8200N 5250E	201	285	< 5	< 0.2	6.64	500	< 0.5	4	0.97	< 0.5	26	67	119	5.19	1.81	1.17
L8200N 5300E	201	285	< 5	< 0.2	5.59	480	< 0.5	4	1.66	< 0.5	22	58	82	4.21	1.63	0.94
L8250N 5000E	201	285	5	< 0.2	4.34	310	0.5	6	2.66	< 0.5	21	59	135	3.05	1.07	0.76
L8300N 4700E	201	285	< 5	< 0.2	6.64	590	2.5	2	0.97	< 0.5	66	75	73	2.74	1.57	0.85
L8300N 4750E	201	285	< 5	< 0.2	6.14	580	< 0.5	4	1.29	< 0.5	16	80	47	4.13	1.72	0.99
L8300N 4800E	201	285	< 5	< 0.2	6.26	530	< 0.5	10	0.84	< 0.5	16	75	30	3.99	1.60	0.85
L8300N 4850E	201	285	10	< 0.2	5.10	340	0.5	8	2.22	< 0.5	40	63	216	3.37	1.12	0.86
L8300N 4900E	201	285	< 5	< 0.2	5.16	330	1.0	6	2.07	< 0.5	55	62	249	3.61	1.13	0.84
L8300N 4950E	201	285	10	< 0.2	5.66	370	< 0.5	< 2	1.59	< 0.5	38	58	247	4.07	1.48	0.90
L8300N 5000E	201	285	40	< 0.2	7.20	450	2.0	< 2	1.15	< 0.5	133	69	445	5.56	1.65	0.85
L8300N 5050E	201	285	< 5	< 0.2	6.07	410	< 0.5	< 2	1.75	< 0.5	38	62	225	4.39	1.66	0.99
L8300N 5100E	201	285	< 5	< 0.2	5.66	370	< 0.5	< 2	1.76	< 0.5	21	57	193	3.90	1.60	0.97
L8300N 5150E	201	285	< 5	< 0.2	5.74	410	< 0.5	< 2	1.86	< 0.5	35	59	180	3.89	1.60	0.97
L8300N 5200E	201	285	< 5	< 0.2	7.53	870	< 0.5	< 2	1.15	< 0.5	19	64	67	4.22	2.49	0.50
L8300N 5250E	201	285	< 5	< 0.2	5.69	680	2.5	< 2	2.38	< 0.5	21	55	58	3.22	1.99	0.68
L8300N 5300E	201	285	20	< 0.2	7.25	420	1.5	< 2	0.30	< 0.5	20	64	119	7.55	1.82	0.96
L8350N 5000E	201	285	< 5	< 0.2	5.80	450	< 0.5	< 2	1.76	< 0.5	36	64	145	3.62	1.51	0.82
L8400N 4950E	201	285	< 5	< 0.2	5.72	420	0.5	< 2	1.92	< 0.5	47	72	830	3.17	1.46	0.85
L8400N 5000E	201	285	< 5	< 0.2	5.75	480	< 0.5	< 2	1.60	< 0.5	29	74	92	3.82	1.56	0.87
L8400N 5050E	201	285	< 5	< 0.2	6.74	500	< 0.5	< 2	0.91	< 0.5	71	71	103	4.50	1.71	1.05
L8400N 5100E	201	285	< 5	< 0.2	6.32	430	< 0.5	< 2	0.49	< 0.5	6	66	34	3.80	1.54	0.71
L8400N 5150E	201	285	< 5	< 0.2	6.12	490	< 0.5	< 2	0.82	< 0.5	10	66	43	3.08	1.57	0.74
L8400N 5200E	201	285	< 5	< 0.2	6.55	590	< 0.5	< 2	1.38	< 0.5	25	78	71	4.40	1.90	0.82
L8400N 5285E	201	285	< 5	< 0.2	6.92	660	< 0.5	< 2	2.57	< 0.5	15	71	51	3.84	2.20	1.10
L8450N 5000E	201	285	< 5	< 0.2	6.01	480	< 0.5	< 2	1.50	< 0.5	51	69	127	3.62	1.46	0.89
L8500N 4700E	201	285	< 5	< 0.2	3.89	260	< 0.5	< 2	10.30	< 0.5	< 1	56	25	2.29	1.62	5.15
L8500N 4750E	201	285	< 5	< 0.2	8.36	600	3.5	2	0.49	< 0.5	92	83	247	5.14	2.15	1.22
L8500N 4905E	203	205	< 5	< 0.2	5.80	390	< 0.5	< 2	1.47	< 0.5	8	62	62	2.92	1.69	0.99

CERTIFICATION: Stewart Bachlen

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Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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		
L8100N 5050E	201	285	1150	3	0.86	35	830	26	72	0.24	86	< 10	82	60		
L8100N 5150E	201	285	1035	7	0.77	37	1290	16	67	0.24	79	< 10	112	70		
L8100N 5200E	203	205	1180	2	0.82	16	680	4	65	0.25	80	< 10	52	30		
L8100N 5250E	203	205	445	4	0.84	24	590	< 2	57	0.22	79	< 10	50	90		
L8100N 5300E	203	205	1085	3	0.72	19	850	2	53	0.21	71	< 10	44	40		
L8150N 5000N	201	285	1765	3	0.78	45	1090	16	81	0.20	75	< 10	114	40		
L8200N 4900E	201	285	1430	3	0.69	33	930	20	79	0.19	73	< 10	94	40		
L8200N 4950E	201	285	1705	2	0.82	60	920	18	76	0.20	66	< 10	96	30		
L8200N 5000E	201	285	895	2	0.73	67	530	20	81	0.36	96	< 10	102	40		
L8200N 5050E	201	285	1050	6	0.67	29	670	22	69	0.25	95	< 10	98	40		
L8200N 5100E	201	285	990	4	0.66	25	560	16	56	0.26	88	< 10	72	30		
L8200N 5150E	201	285	1310	6	0.77	39	800	10	57	0.24	87	< 10	74	60		
L8200N 5250E	201	285	3480	5	0.90	44	870	16	58	0.22	69	< 10	116	50		
L8200N 5300E	201	285	4560	3	0.68	32	970	16	52	0.18	54	< 10	332	40		
L8250N 5000E	201	285	1620	4	0.36	34	1220	10	62	0.12	59	< 10	68	40		
L8300N 4700E	201	285	405	2	0.60	142	720	26	76	0.32	111	< 10	382	100		
L8300N 4750E	201	285	1020	1	0.67	28	700	24	73	0.31	103	< 10	140	30		
L8300N 4800E	201	285	770	1	0.63	33	440	24	76	0.30	109	< 10	130	40		
L8300N 4850E	201	285	1730	2	0.47	210	1130	10	64	0.14	66	< 10	476	70		
L8300N 4900E	201	285	2210	4	0.49	127	1140	10	64	0.14	65	< 10	226	80		
L8300N 4950E	201	285	1670	5	0.71	54	1020	12	66	0.16	64	< 10	126	70		
L8300N 5000E	201	285	2760	5	1.03	304	550	14	69	0.18	83	< 10	524	80		
L8300N 5050E	201	285	1865	7	0.59	54	1070	10	66	0.16	64	< 10	90	60		
L8300N 5100E	201	285	1640	6	0.55	36	970	8	59	0.14	59	< 10	70	40		
L8300N 5150E	201	285	1340	4	0.57	55	940	8	73	0.16	58	< 10	104	60		
L8300N 5200E	201	285	2610	3	0.80	33	610	8	76	0.15	58	< 10	52	40		
L8300N 5250E	201	285	1860	1	0.54	38	900	6	81	0.12	48	< 10	46	20		
L8300N 5300E	201	285	615	10	0.90	40	840	14	48	0.23	77	< 10	106	30		
L8350N 5000E	201	285	1515	3	0.60	65	860	12	70	0.16	67	< 10	138	70		
L8400N 4950E	201	285	1290	3	0.79	85	840	12	65	0.17	67	< 10	178	100		
L8400N 5000E	201	285	1930	3	0.90	34	860	16	65	0.21	78	< 10	114	40		
L8400N 5050E	201	285	2340	4	0.85	101	810	16	70	0.24	82	< 10	312	80		
L8400N 5100E	201	285	450	6	1.04	17	500	14	56	0.31	102	< 10	94	30		
L8400N 5150E	201	285	1375	4	0.93	16	760	14	66	0.28	97	< 10	102	30		
L8400N 5200E	201	285	2170	2	0.74	37	800	12	76	0.21	72	< 10	74	40		
L8400N 5285E	201	285	1945	2	0.73	28	960	12	90	0.18	63	< 10	92	30		
L8450N 5000E	201	285	1390	3	0.71	70	770	12	70	0.20	75	< 10	170	90		
L8500N 4700E	201	285	615	1	0.37	16	350	14	76	0.17	62	< 10	70	< 10		
L8500N 4750E	201	285	765	5	0.87	173	1010	18	70	0.26	96	< 10	330	140		
L8500N 4905E	203	205	685	1	0.86	21	560	4	56	0.17	54	< 10	68	30		

CERTIFICATION: Stan Bulder

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 :6-A
Total Pages :7
Certificate Date: 06-AUG-93
Invoice No. :I9317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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)
L8500N 4950E	203 205	< 5	< 0.2	6.80	450	0.5	6	1.45	< 0.5	12	80	47	3.32	1.94	1.44
L8500N 5000E	201 285	< 5	< 0.2	7.41	490	< 0.5	6	1.02	< 0.5	23	72	85	4.74	2.10	1.25
L8500N 5050E	201 285	< 5	< 0.2	7.42	480	0.5	6	1.07	< 0.5	28	70	130	5.30	2.10	1.13
L8500N 5100E	201 285	< 5	< 0.2	6.00	490	0.5	4	1.89	< 0.5	18	64	77	2.18	1.73	0.60
L8500N 5150E	201 285	< 5	< 0.2	8.19	700	1.0	8	1.16	< 0.5	17	74	105	3.23	2.77	0.70
L8500N 5200E	201 285	< 5	< 0.2	7.14	510	< 0.5	6	1.62	< 0.5	19	75	105	3.93	2.10	0.86
L8500N 5250E	201 285	< 5	< 0.2	7.19	430	< 0.5	6	1.28	< 0.5	21	69	79	5.26	1.99	1.14
L8500N 5300E	201 285	< 5	< 0.2	5.90	400	< 0.5	< 2	1.47	< 0.5	19	60	58	3.84	1.81	0.93
L8600N 5000E	201 285	< 5	< 0.2	6.52	460	1.0	< 2	0.91	< 0.5	8	67	48	2.47	2.06	0.80
L8600N 5100E	201 285	< 5	< 0.2	6.94	490	< 0.5	< 2	1.32	< 0.5	22	72	69	4.83	2.04	1.06
L8600N 5150E	201 285	< 5	< 0.2	5.70	400	< 0.5	< 2	2.01	< 0.5	30	62	73	4.04	1.66	0.88
L8600N 5200E	201 285	< 5	< 0.2	5.42	490	< 0.5	< 2	2.42	< 0.5	22	67	135	3.10	1.37	0.80
L8600N 5250E	201 285	< 5	< 0.2	5.30	450	< 0.5	< 2	1.94	< 0.5	18	60	81	3.13	1.49	0.76
L8600N 5300E	201 285	< 5	< 0.2	5.66	480	< 0.5	< 2	1.55	< 0.5	20	63	80	3.99	1.76	0.87
L8700N 4700E	201 285	< 5	< 0.2	4.58	380	< 0.5	< 2	9.53	0.5	5	56	35	2.45	1.71	4.52
L8700N 4750E	201 285	< 5	< 0.2	6.32	620	< 0.5	< 2	1.18	< 0.5	22	71	63	3.96	2.02	1.15
L8700N 4800E	201 285	< 5	< 0.2	7.62	480	< 0.5	< 2	0.77	< 0.5	28	73	109	6.62	2.00	1.42
L8700N 4900E	201 285	< 5	< 0.2	7.29	460	0.5	< 2	0.87	< 0.5	24	72	68	4.56	1.94	1.13
L8700N 4950E	201 285	< 5	< 0.2	7.06	530	1.0	< 2	0.85	< 0.5	14	71	45	3.02	2.00	1.04
L8700N 5000E	201 285	< 5	< 0.2	3.88	390	< 0.5	< 2	3.19	0.5	10	53	76	1.82	1.05	0.57
L8700N 5050E	201 285	< 5	< 0.2	10.60	820	1.0	< 2	1.19	0.5	19	129	36	4.23	2.53	1.09
L8700N 5100E	201 285	< 5	< 0.2	7.56	580	1.0	< 2	2.07	< 0.5	23	82	112	3.28	1.97	0.85
L8700N 5150E	201 285	< 5	< 0.2	7.22	600	1.0	< 2	1.88	< 0.5	34	75	124	3.61	2.11	0.85
L8700N 5200E	201 285	< 5	< 0.2	6.77	590	0.5	< 2	0.89	< 0.5	22	75	153	3.88	1.51	0.89
L8700N 5250E	201 285	< 5	< 0.2	4.73	360	0.5	< 2	2.61	< 0.5	22	53	54	3.23	1.12	0.96
L8700N 5300E	201 285	< 5	< 0.2	4.87	320	1.0	< 2	2.25	< 0.5	18	53	42	2.94	1.34	0.88
L8800N 4725E	201 285	< 5	< 0.2	4.99	350	0.5	< 2	5.61	0.5	7	63	34	2.42	1.73	3.32
L8800N 4750E	201 285	< 5	< 0.2	4.97	360	1.0	< 2	8.98	0.5	4	63	36	2.34	1.76	4.60
L8800N 4800E	201 285	< 5	< 0.2	6.14	650	1.5	< 2	1.51	< 0.5	18	76	45	3.54	1.71	1.21
L8800N 4850E	201 285	< 5	< 0.2	4.56	320	0.5	< 2	11.20	0.5	4	61	26	2.37	1.77	4.55
L8800N 4900E	201 285	< 5	< 0.2	4.94	400	1.0	< 2	7.27	< 0.5	11	65	44	3.16	1.73	3.69
L8800N 4950E	201 285	< 5	< 0.2	7.15	650	1.5	< 2	0.91	0.5	30	77	74	3.60	2.32	1.10
L8800N 5000E	201 285	< 5	< 0.2	9.88	820	3.0	< 2	1.16	< 0.5	20	100	151	3.36	2.60	1.02
L8800N 5050E	201 285	< 5	< 0.2	7.49	630	2.0	< 2	0.65	< 0.5	33	81	151	4.54	1.94	1.26
L8800N 5150E	201 285	< 5	< 0.2	5.64	500	1.0	< 2	1.97	0.5	39	64	219	3.42	1.31	0.91
L8800N 5200E	201 285	< 5	< 0.2	6.04	480	1.5	< 2	2.19	< 0.5	67	66	93	4.35	1.42	1.15
L8800N 5250E	201 285	< 5	< 0.2	6.65	490	1.5	< 2	1.59	< 0.5	38	68	72	4.97	1.69	1.34
L8800N 5300E	201 285	< 5	< 0.2	6.71	440	1.5	< 2	1.05	< 0.5	34	68	60	4.64	1.65	1.22
L8900N 4700E	201 285	< 5	< 0.2	5.00	420	1.0	< 2	7.57	0.5	7	64	33	2.62	1.63	4.06
L8900N 4750E	201 285	< 5	< 0.2	5.67	460	1.5	< 2	7.50	1.0	10	70	41	2.78	1.89	3.69

CERTIFICATION: Stewart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: [redacted] AMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Certificate Date: 06-AUG-93
Invoice No. :19317885
P.O. Number :
Account :BM W

Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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		
L8500N 4950E	203	205	1030	2	1.05	26	660	4	58	0.19	61	< 10	70	40		
L8500N 5000E	201	285	1390	4	0.91	39	890	8	64	0.21	72	< 10	90	60		
L8500N 5050E	201	285	1225	4	0.84	43	730	8	61	0.22	75	< 10	74	70		
L8500N 5100E	201	285	1200	1	0.55	18	690	10	77	0.17	64	< 10	52	30		
L8500N 5150E	201	285	1120	1	0.85	26	660	10	92	0.25	85	< 10	62	30		
L8500N 5200E	201	285	1495	4	0.73	26	940	14	95	0.14	74	< 10	92	40		
L8500N 5250E	201	285	1260	5	0.93	36	1090	12	65	0.14	71	< 10	80	60		
L8500N 5300E	201	285	1255	2	0.88	29	1040	10	61	0.13	59	< 10	78	40		
L8600N 5000E	201	285	325	1	1.25	20	720	6	71	0.22	66	< 10	56	40		
L8600N 5100E	201	285	1540	2	0.96	35	970	14	67	0.15	75	< 10	86	50		
L8600N 5150E	201	285	1500	1	0.87	30	1120	14	66	0.13	64	< 10	72	40		
L8600N 5200E	201	285	1520	< 1	0.93	29	1100	18	91	0.17	75	< 10	64	30		
L8600N 5250E	201	285	1635	1	0.85	28	940	12	75	0.14	60	< 10	88	30		
L8600N 5300E	201	285	1840	1	0.70	29	980	10	65	0.15	58	< 10	82	40		
L8700N 4700E	201	285	955	< 1	0.43	20	500	20	83	0.17	72	< 10	88	< 10		
L8700N 4750E	201	285	3080	< 1	0.87	45	850	20	70	0.21	83	< 10	158	40		
L8700N 4800E	201	285	535	4	0.81	41	950	6	53	0.15	84	< 10	112	50		
L8700N 4900E	201	285	560	1	0.92	39	790	8	64	0.22	78	< 10	102	50		
L8700N 4950E	201	285	605	1	1.04	23	770	12	67	0.20	73	< 10	64	40		
L8700N 5000E	201	285	685	< 1	0.40	18	900	12	88	0.12	55	< 10	80	10		
L8700N 5050E	201	285	455	< 1	0.83	40	660	14	226	0.27	113	< 10	90	50		
L8700N 5100E	201	285	955	< 1	0.68	32	910	12	116	0.22	82	< 10	74	40		
L8700N 5150E	201	285	1730	< 1	0.68	33	900	14	74	0.19	79	< 10	64	50		
L8700N 5200E	201	285	1205	< 1	0.96	38	370	18	88	0.27	95	< 10	74	30		
L8700N 5250E	201	285	1225	2	0.56	32	1090	10	65	0.12	59	< 10	60	20		
L8700N 5300E	201	285	1160	2	0.66	23	810	8	60	0.14	53	< 10	60	20		
L8800N 4725E	201	285	400	< 1	0.50	21	620	18	50	0.20	76	< 10	92	< 10		
L8800N 4750E	201	285	555	< 1	0.47	21	540	20	66	0.20	78	< 10	84	< 10		
L8800N 4800E	201	285	580	< 1	0.70	30	570	28	80	0.29	106	< 10	146	30		
L8800N 4850E	201	285	805	< 1	0.50	17	480	12	100	0.17	67	< 10	66	< 10		
L8800N 4900E	201	285	600	< 1	0.62	30	620	16	70	0.19	73	< 10	104	< 10		
L8800N 4950E	201	285	1395	< 1	0.91	96	900	16	78	0.24	86	< 10	216	70		
L8800N 5000E	201	285	430	< 1	0.79	35	750	12	128	0.27	100	< 10	84	40		
L8800N 5050E	201	285	1305	3	1.06	39	630	10	73	0.25	88	< 10	80	40		
L8800N 5150E	201	285	1415	2	0.76	33	1030	12	71	0.17	73	< 10	80	40		
L8800N 5200E	201	285	1710	3	0.71	41	1150	12	68	0.15	71	< 10	76	40		
L8800N 5250E	201	285	2490	5	0.74	42	1090	10	59	0.16	75	< 10	76	50		
L8800N 5300E	201	285	1925	3	0.71	40	1110	12	56	0.18	76	< 10	82	50		
L8900N 4700E	201	285	440	< 1	0.44	21	700	24	64	0.20	99	< 10	134	< 10		
L8900N 4750E	201	285	695	< 1	0.54	27	700	38	74	0.25	101	< 10	164	< 10		

CERTIFICATION: Stewart Fulcher

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: 06-AUG-93
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Project : HOOVER-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317885

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)
L8900N 4800E	201 285	< 5	< 0.2	6.28	490	2.0	< 2	6.85	< 0.5	6	85	56	3.10	2.53	3.96
L8900N 4850E	201 285	< 5	< 0.2	6.10	470	2.0	< 2	6.18	< 0.5	7	78	63	2.96	2.32	3.94
L8900N 4900E	201 285	< 5	< 0.2	5.69	480	2.0	< 2	4.87	< 0.5	11	70	81	2.72	2.05	3.43
L8900N 4950E	201 285	< 5	< 0.2	5.56	450	2.0	< 2	5.15	< 0.5	9	67	69	2.47	2.16	3.58
L8900N 5000E	201 285	< 5	< 0.2	6.89	580	3.5	2	0.88	< 0.5	32	75	149	4.27	2.01	1.22
L8900N 5050E	201 285	< 5	< 0.2	6.37	530	3.0	< 2	1.35	< 0.5	34	74	124	4.36	1.87	1.16
L8900N 5100E	201 285	< 5	< 0.2	7.40	660	3.5	2	0.52	< 0.5	26	86	290	4.25	2.47	1.14
L8900N 5150E	201 285	< 5	< 0.2	7.73	490	4.0	< 2	0.58	< 0.5	28	82	52	5.00	2.12	1.45
L8900N 5200E	201 285	< 5	< 0.2	3.39	560	1.5	< 2	2.37	< 0.5	19	70	374	2.47	0.97	0.75
L8900N 5250E	201 285	< 5	< 0.2	7.09	650	3.0	< 2	0.70	< 0.5	23	83	609	3.84	1.65	0.84
L8900N 5300E	201 285	< 5	< 0.2	6.16	710	2.5	< 2	0.97	< 0.5	21	82	272	3.52	1.59	0.86
L9000N 4700E	201 285	< 5	< 0.2	5.05	510	2.0	< 2	7.58	< 0.5	3	72	40	2.80	1.95	4.49
L9000N 4750E	201 285	< 5	< 0.2	5.22	510	2.0	< 2	7.09	0.5	2	73	34	2.50	2.00	4.66
L9000N 4800E	201 285	< 5	< 0.2	4.86	560	1.5	< 2	7.27	1.0	4	67	32	2.49	1.84	4.48
L9000N 4850E	201 285	< 5	< 0.2	5.49	570	2.0	< 2	6.51	1.0	5	74	38	3.09	2.09	4.27
L9000N 4900E	201 285	< 5	< 0.2	4.79	460	1.5	< 2	8.17	0.5	< 1	69	30	2.32	1.97	4.91
L9000N 4950E	201 285	< 5	< 0.2	5.24	430	2.0	< 2	7.54	< 0.5	4	73	52	2.77	2.14	4.64
L9000N 5000E	201 285	< 5	< 0.2	5.11	400	2.0	< 2	9.96	< 0.5	2	69	39	2.71	2.12	5.04
L9000N 5050E	201 285	< 5	< 0.2	7.03	570	3.5	< 2	1.03	< 0.5	21	84	115	4.15	2.14	1.32
L9000N 5100E	201 285	< 5	< 0.2	6.61	520	3.5	< 2	1.01	< 0.5	18	69	112	4.28	2.22	1.31
L9000N 5150E	201 285	< 5	< 0.2	7.09	820	3.0	4	0.79	< 0.5	21	90	331	3.14	2.68	0.94
L9000N 5200E	201 285	< 5	< 0.2	6.63	630	3.0	2	0.98	< 0.5	20	92	393	3.11	1.92	1.04
L9000N 5250E	201 285	< 5	< 0.2	7.47	590	3.5	14	0.73	< 0.5	34	100	74	4.58	1.71	1.06
L9000N 5300E	201 285	< 5	< 0.2	6.95	570	3.0	14	0.83	< 0.5	17	84	39	4.36	1.58	0.87
L9100N 4750E	201 285	< 5	< 0.2	5.16	450	1.5	< 2	6.41	0.5	5	66	36	2.85	1.86	4.69
L9100N 4850E	201 285	< 5	< 0.2	5.62	460	3.0	< 2	5.60	< 0.5	9	69	55	3.41	2.07	4.33
L9100N 4900E	201 285	< 5	< 0.2	5.98	460	3.0	< 2	7.37	0.5	5	78	36	3.02	2.19	4.71
L9100N 4950E	201 285	< 5	< 0.2	5.86	510	3.0	< 2	7.01	< 0.5	7	73	49	3.33	2.19	4.89
L9100N 5000E	201 285	< 5	< 0.2	5.99	500	2.0	< 2	2.57	< 0.5	15	114	70	4.38	1.87	2.39
L9100N 5050E	201 285	< 5	< 0.2	5.55	450	1.5	< 2	4.26	< 0.5	12	73	81	3.23	2.14	3.09
L9100N 5100E	201 285	< 5	< 0.2	6.85	590	2.0	< 2	0.93	< 0.5	19	83	127	3.59	2.02	1.04
L9100N 5150E	201 285	< 5	< 0.2	6.95	560	2.5	< 2	0.73	< 0.5	21	80	99	4.81	1.94	1.00
L9100N 5200E	201 285	< 5	< 0.2	7.39	560	2.0	2	0.52	< 0.5	23	79	48	4.86	2.27	1.11
L9100N 5250E	201 285	< 5	< 0.2	5.82	440	1.5	< 2	1.40	< 0.5	17	66	81	4.12	1.87	0.89
L9100N 5300E	201 285	< 5	< 0.2	6.35	490	1.0	< 2	0.64	< 0.5	16	66	42	4.53	1.99	0.99

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

A9317865

Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE A9317865

PAMICON DEVELOPMENTS LIMITED

Project: BON FAIRCHILD
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-AUG-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	158	Dry, sieve to -80 mesh
285	158	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
100	157	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	158	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	158	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	158	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	158	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	158	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	158	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	158	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	158	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	158	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	158	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	158	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	158	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	158	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	158	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	158	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	158	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	158	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	158	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	158	Pb ppm: 24 element, rock & core	AAS	2	10000
582	158	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	158	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	158	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	158	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	158	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	158	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: 05-AUG-93
Invoice No. :I9317865
P.O. Number :
Account :BM W

Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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)
L12200E 4500N	201 285	< 5	< 0.2	6.56	620	3.0	< 2	0.90	< 0.5	11	78	43	3.02	2.34	0.80
L12200E 4550N	201 285	< 5	< 0.2	5.97	520	2.0	< 2	1.73	< 0.5	9	77	32	2.26	2.12	0.91
L12200E 4600N	201 285	< 5	< 0.2	5.87	570	3.0	< 2	1.18	< 0.5	11	74	43	2.80	2.07	0.77
L12200E 4650N	201 285	< 5	< 0.2	5.93	710	3.0	< 2	1.35	< 0.5	15	69	33	3.48	1.99	0.90
L12200E 4700N	201 285	< 5	< 0.2	5.95	570	2.0	< 2	0.81	< 0.5	8	73	30	2.38	1.93	0.76
L12200E 4750N	201 285	< 5	< 0.2	5.77	550	2.0	< 2	0.97	< 0.5	12	71	35	2.76	1.87	0.78
L12200E 4800N	201 285	< 5	< 0.2	5.91	560	2.0	< 2	0.98	< 0.5	13	68	40	2.86	1.93	0.77
L12200E 4850N	201 285	< 5	< 0.2	5.56	550	2.0	< 2	1.26	< 0.5	13	66	37	2.89	1.79	0.80
L12200E 4900N	201 285	< 5	< 0.2	5.74	560	2.5	< 2	1.31	< 0.5	14	69	35	2.89	1.88	0.82
L12200E 4950N	201 285	< 5	< 0.2	4.95	490	2.0	< 2	1.80	< 0.5	15	63	42	2.92	1.61	0.83
L12200E 5000N	201 285	< 5	< 0.2	6.19	580	5.0	< 2	1.49	< 0.5	14	70	37	3.54	1.85	0.96
L12200E 5050N	201 285	< 5	< 0.2	5.23	540	3.5	< 2	1.95	0.5	13	63	42	3.01	1.62	0.79
L12200E 5100N	201 285	< 5	< 0.2	6.12	600	5.0	< 2	1.19	< 0.5	15	74	43	3.69	1.84	0.98
L12200E 5150N	201 285	< 5	< 0.2	6.10	600	4.5	< 2	1.13	0.5	15	75	44	3.66	1.85	0.96
L12200E 5200N	201 285	< 5	< 0.2	6.02	590	4.5	< 2	1.20	< 0.5	15	75	48	3.62	1.83	0.96
L12200E 5250N	201 285	< 5	< 0.2	5.88	570	4.5	< 2	1.23	< 0.5	16	72	48	3.54	1.83	0.96
L12200E 5300N	201 285	< 5	< 0.2	6.08	590	5.0	< 2	1.21	< 0.5	15	75	45	3.68	1.90	0.97
L12200E 5350N	201 285	< 5	< 0.2	6.25	600	6.0	< 2	1.16	< 0.5	16	76	42	3.80	1.86	1.00
L12200E 5400N	201 285	< 5	< 0.2	6.12	570	1.0	< 2	1.37	< 0.5	16	74	49	3.72	1.83	1.04
L12600E 4600N	201 285	< 5	< 0.2	6.31	600	0.5	< 2	1.16	< 0.5	10	77	39	2.78	2.06	0.87
L12600E 4650N	201 285	< 5	< 0.2	6.15	600	0.5	< 2	1.49	< 0.5	9	76	40	2.61	2.00	0.88
L12600E 4700N	201 285	< 5	< 0.2	5.35	560	0.5	< 2	2.93	< 0.5	10	69	45	2.53	1.81	1.35
L12600E 4750N	201 285	< 5	< 0.2	5.80	550	0.5	< 2	1.40	< 0.5	10	69	47	2.68	1.81	0.87
L12600E 4800N	201 285	< 5	< 0.2	5.84	550	0.5	< 2	1.41	< 0.5	10	66	45	2.74	1.86	0.90
L12600E 4850N	201 285	< 5	< 0.2	5.16	490	< 0.5	< 2	1.81	< 0.5	9	67	55	2.51	1.66	0.84
L12600E 4900N	201 285	< 5	< 0.2	6.00	550	0.5	< 2	1.49	< 0.5	11	71	57	2.66	1.87	0.90
L12600E 4950N	201 285	< 5	< 0.2	7.07	600	0.5	< 2	1.02	< 0.5	25	81	44	3.49	2.07	0.95
L12600E 5000N	201 285	< 5	< 0.2	6.65	560	< 0.5	< 2	1.07	< 0.5	25	78	44	3.31	1.94	0.91
L12600E 5050N	201 285	< 5	< 0.2	5.39	490	< 0.5	< 2	1.89	< 0.5	12	66	71	2.57	1.69	0.82
L12600E 5100N	201 285	< 5	< 0.2	6.35	580	0.5	< 2	1.18	< 0.5	15	75	73	3.02	2.03	0.87
L12600E 5150N	201 285	< 5	< 0.2	5.92	580	< 0.5	< 2	1.41	< 0.5	16	68	58	3.11	1.90	0.91
L12600E 5200N	201 285	< 5	< 0.2	7.08	630	< 0.5	< 2	1.18	< 0.5	19	80	83	3.51	2.14	0.95
L12600E 5250N	201 285	< 5	< 0.2	7.56	660	< 0.5	< 2	0.82	< 0.5	21	85	81	3.65	2.34	0.96
L12600E 5300N	201 285	< 5	< 0.2	7.12	620	< 0.5	< 2	1.04	< 0.5	22	82	101	3.38	2.13	0.95
L12600E 5350N	201 285	< 5	< 0.2	7.65	610	< 0.5	< 2	0.56	< 0.5	19	87	79	3.55	2.25	1.02
L12600E 5400N	201 285	< 5	< 0.2	7.26	720	< 0.5	< 2	0.62	< 0.5	32	93	93	4.01	2.34	0.85
L13000E 4500N	201 285	< 5	< 0.2	5.85	580	1.0	< 2	1.37	< 0.5	12	73	36	3.06	1.97	0.91
L13000E 4550N	201 285	< 5	< 0.2	7.28	670	1.5	< 2	0.98	< 0.5	16	86	40	3.15	2.33	0.98
L13000E 4600N	201 285	< 5	< 0.2	5.48	510	1.0	< 2	2.26	< 0.5	8	73	31	2.45	1.82	0.89
L13000E 4650N	201 285	< 5	< 0.2	6.34	590	1.5	< 2	1.68	< 0.5	13	73	43	2.74	2.03	0.88

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 : 4
Certificate Date: 05-AUG-93
Invoice No. : 19317865
P.O. Number :
Account : BM W

Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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		
L12200E 4500N	201 285	665	2	0.66	24	690	44	64	0.23	100	< 10	130	30		
L12200E 4550N	201 285	540	1	0.59	19	360	48	51	0.34	69	< 10	64	40		
L12200E 4600N	201 285	660	2	0.53	24	760	32	60	0.23	98	< 10	132	40		
L12200E 4650N	201 285	940	2	0.61	22	550	40	73	0.24	129	< 10	130	40		
L12200E 4700N	201 285	365	< 1	0.81	20	500	14	82	0.26	87	< 10	104	40		
L12200E 4750N	201 285	615	1	0.74	21	530	20	77	0.25	86	< 10	120	40		
L12200E 4800N	201 285	770	2	0.81	22	700	22	79	0.27	86	< 10	120	40		
L12200E 4850N	201 285	675	2	0.74	23	670	20	86	0.23	89	< 10	134	30		
L12200E 4900N	201 285	640	1	0.77	23	690	10	86	0.25	91	< 10	138	40		
L12200E 4950N	201 285	810	1	0.63	24	720	24	77	0.20	87	< 10	132	30		
L12200E 5000N	201 285	865	1	0.74	25	440	32	93	0.23	104	< 10	116	30		
L12200E 5050N	201 285	775	1	0.62	23	740	30	78	0.19	94	< 10	122	30		
L12200E 5100N	201 285	1120	2	0.76	24	690	36	89	0.25	100	< 10	128	30		
L12200E 5150N	201 285	1065	< 1	0.78	27	660	36	90	0.25	100	< 10	128	30		
L12200E 5200N	201 285	1075	1	0.75	26	700	32	88	0.25	99	< 10	126	30		
L12200E 5250N	201 285	1085	1	0.73	25	720	32	85	0.23	97	< 10	124	30		
L12200E 5300N	201 285	1085	1	0.79	26	710	36	89	0.25	100	< 10	128	30		
L12200E 5350N	201 285	1195	2	0.76	24	650	36	89	0.25	102	< 10	128	30		
L12200E 5400N	201 285	1260	1	0.63	25	870	42	84	0.25	103	< 10	130	20		
L12600E 4600N	201 285	525	1	0.61	24	660	22	74	0.25	97	< 10	130	30		
L12600E 4650N	201 285	505	1	0.52	24	680	32	67	0.22	94	< 10	122	20		
L12600E 4700N	201 285	620	1	0.46	23	790	28	68	0.20	89	< 10	136	20		
L12600E 4750N	201 285	595	< 1	0.54	22	700	20	67	0.20	86	< 10	132	20		
L12600E 4800N	201 285	640	1	0.59	22	710	22	70	0.20	86	< 10	128	20		
L12600E 4850N	201 285	590	1	0.51	24	820	24	66	0.19	81	< 10	146	20		
L12600E 4900N	201 285	805	< 1	0.57	23	830	26	70	0.21	85	< 10	126	20		
L12600E 4950N	201 285	975	< 1	0.79	32	800	26	76	0.26	88	< 10	114	30		
L12600E 5000N	201 285	980	1	0.71	29	810	26	71	0.24	82	< 10	112	30		
L12600E 5050N	201 285	790	1	0.50	21	990	22	66	0.18	76	< 10	124	20		
L12600E 5100N	201 285	760	1	0.68	27	780	22	73	0.23	86	< 10	128	40		
L12600E 5150N	201 285	830	2	0.58	27	740	26	73	0.22	94	< 10	158	30		
L12600E 5200N	201 285	890	< 1	0.70	30	840	26	77	0.25	96	< 10	126	40		
L12600E 5250N	201 285	825	1	0.85	34	740	24	86	0.32	97	< 10	122	60		
L12600E 5300N	201 285	1025	2	0.68	34	850	26	71	0.23	96	< 10	128	50		
L12600E 5350N	201 285	645	< 1	0.89	33	530	16	82	0.36	91	< 10	108	70		
L12600E 5400N	201 285	970	3	0.67	44	840	40	83	0.34	114	< 10	250	70		
L13000E 4500N	201 285	705	1	0.52	24	760	24	64	0.25	100	< 10	134	30		
L13000E 4550N	201 285	960	2	0.60	23	750	20	63	0.24	100	< 10	110	40		
L13000E 4600N	201 285	365	< 1	0.42	18	610	20	63	0.20	91	< 10	80	20		
L13000E 4650N	201 285	690	1	0.50	21	790	20	64	0.19	95	< 10	100	30		

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Certificate Date: 05-AUG-93
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Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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)
L13000E 4700N	201 285	< 5	< 0.2	7.02	630	1.0	< 2	0.90	< 0.5	14	78	38	2.82	2.17	0.93
L13000E 4750N	201 285	< 5	< 0.2	4.39	540	0.5	< 2	2.42	< 0.5	7	55	39	1.84	1.44	0.69
L13000E 4800N	201 285	< 5	< 0.2	6.27	620	1.0	< 2	1.25	< 0.5	13	74	39	2.93	1.80	1.09
L13000E 4850N	201 285	< 5	< 0.2	6.46	580	1.0	< 2	1.03	0.5	14	76	35	2.92	1.76	1.15
L13000E 4900N	201 285	< 5	< 0.2	7.41	660	1.0	< 2	0.81	< 0.5	17	85	39	3.31	2.04	1.34
L13000E 4950N	201 285	< 5	< 0.2	7.58	690	1.0	< 2	0.83	< 0.5	19	88	38	3.33	2.08	1.46
L13000E 5000N	201 285	< 5	< 0.2	6.71	630	1.0	< 2	0.86	< 0.5	15	75	35	2.94	1.83	1.19
L13000E 5050N	201 285	< 5	< 0.2	6.52	600	1.0	< 2	0.90	< 0.5	14	72	31	2.75	1.74	1.31
L13000E 5100N	201 285	< 5	< 0.2	7.39	640	0.5	< 2	0.59	< 0.5	10	82	28	3.37	2.00	1.29
L13000E 5150N	201 285	< 5	< 0.2	6.85	520	1.0	< 2	0.63	< 0.5	16	80	34	3.47	1.57	1.31
L13000E 5200N	201 285	< 5	< 0.2	6.56	420	0.5	< 2	0.40	< 0.5	8	76	25	3.61	1.59	0.87
L13000E 5250N	201 285	< 5	< 0.2	7.45	440	1.0	< 2	0.44	< 0.5	5	75	22	2.59	1.59	1.28
L13000E 5300N	201 285	< 5	< 0.2	5.89	510	1.5	< 2	0.67	< 0.5	13	73	33	2.51	1.82	0.70
L13000E 5350N	201 285	< 5	1.4	7.43	400	1.0	< 2	0.32	< 0.5	13	81	25	3.01	1.49	1.69
L13000E 5400N	201 285	< 5	< 0.2	8.00	480	2.0	< 2	0.34	< 0.5	12	80	22	3.04	1.38	1.88
L13000E 5450N	201 285	< 5	< 0.2	7.51	360	2.0	4	0.41	< 0.5	14	70	31	2.63	1.12	0.63
L13400E 4500N	201 285	< 5	< 0.2	4.63	540	1.5	< 2	1.65	< 0.5	10	61	51	2.67	1.56	0.73
L13400E 4550N	201 285	< 5	< 0.2	5.08	620	1.5	< 2	1.39	< 0.5	21	64	57	2.96	1.54	0.84
L13400E 4600N	201 285	< 5	< 0.2	7.02	650	2.0	2	1.08	< 0.5	19	82	100	3.14	1.89	1.20
L13400E 4650N	201 285	< 5	< 0.2	6.82	610	1.5	< 2	1.00	< 0.5	14	81	62	2.84	1.82	1.16
L13400E 4700N	201 285	< 5	< 0.2	3.71	410	0.5	< 2	2.05	< 0.5	8	55	29	2.01	1.15	0.75
L13400E 4800N	201 285	< 5	< 0.2	7.26	620	1.0	< 2	0.91	< 0.5	20	87	50	3.13	1.93	1.30
L13400E 4850N	201 285	< 5	< 0.2	6.59	590	2.5	< 2	1.07	< 0.5	18	84	41	3.04	1.78	1.23
L13400E 4900N	201 285	< 5	< 0.2	4.44	460	1.0	< 2	2.10	< 0.5	13	62	43	2.23	1.33	0.82
L13400E 4950N	201 285	< 5	< 0.2	6.56	570	2.0	< 2	0.91	< 0.5	21	78	41	2.81	1.97	1.09
L13400E 5000N	201 285	< 5	< 0.2	7.34	600	2.0	< 2	0.93	< 0.5	25	110	43	3.61	2.00	1.55
L13400E 5050N	201 285	< 5	< 0.2	7.09	690	2.5	< 2	0.93	< 0.5	20	80	30	3.30	1.87	1.17
L13400E 5100N	201 285	< 5	< 0.2	5.41	770	2.0	< 2	2.22	< 0.5	16	63	31	3.17	1.57	0.83
L13400E 5150N	201 285	< 5	< 0.2	5.34	560	1.0	< 2	0.94	0.5	23	63	32	2.97	1.47	0.80
L13400E 5200N	201 285	< 5	< 0.2	6.15	500	2.0	< 2	0.70	< 0.5	18	71	29	3.36	1.48	0.95
L13400E 5250N	201 285	< 5	< 0.2	8.27	470	2.5	< 2	0.40	< 0.5	33	90	27	3.01	2.12	1.75
L13400E 5350N	201 285	< 5	< 0.2	7.17	470	2.0	< 2	0.61	< 0.5	28	82	26	2.92	1.98	1.52
L13400E 5400N	201 285	< 5	< 0.2	2.26	300	1.0	< 2	1.30	< 0.5	10	37	20	1.22	0.61	0.41
L13400E 5450N	201 285	< 5	< 0.2	6.60	610	< 0.5	< 2	0.74	< 0.5	22	83	23	3.38	1.45	1.23
L13800E 4450N	201 285	< 5	< 0.2	5.65	530	< 0.5	< 2	1.27	< 0.5	13	72	39	3.05	1.79	0.89
L13800E 4500N	201 285	< 5	< 0.2	5.80	510	< 0.5	< 2	1.26	< 0.5	12	72	53	3.00	1.79	0.91
L13800E 4550N	201 285	< 5	< 0.2	5.80	530	< 0.5	< 2	1.38	< 0.5	16	72	36	3.08	1.82	0.92
L13800E 4600N	201 285	< 5	< 0.2	6.69	540	< 0.5	< 2	1.10	< 0.5	20	77	42	3.36	1.94	1.04
L13800E 4650N	201 285	< 5	< 0.2	4.94	450	< 0.5	< 2	2.11	< 0.5	16	65	57	2.45	1.58	0.82
L13800E 4700N	201 285	< 5	< 0.2	6.08	540	< 0.5	< 2	1.43	< 0.5	28	79	58	3.35	1.92	0.97

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

Page Number :2-B
Total Pages :4
Certificate Date: 05-AUG-93
Invoice No. :I9317865
P.O. Number :
Account :BM W

Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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		
L13000E 4700N	201	285	735	1	0.63	22	620	20	64	0.24	92	< 10	122	40		
L13000E 4750N	201	285	425	< 1	0.31	14	680	14	59	0.15	69	< 10	70	10		
L13000E 4800N	201	285	875	1	0.58	24	740	20	70	0.23	96	< 10	130	30		
L13000E 4850N	201	285	725	< 1	0.61	24	540	20	69	0.24	95	< 10	116	30		
L13000E 4900N	201	285	975	2	0.73	28	660	22	76	0.27	106	< 10	114	30		
L13000E 4950N	201	285	1010	< 1	0.84	28	1170	20	76	0.28	110	< 10	112	30		
L13000E 5000N	201	285	805	< 1	0.69	25	830	18	71	0.23	99	< 10	126	20		
L13000E 5050N	201	285	820	1	0.66	23	740	18	69	0.20	93	< 10	102	20		
L13000E 5100N	201	285	520	1	0.83	21	460	24	80	0.29	113	< 10	80	30		
L13000E 5150N	201	285	500	< 1	0.72	29	560	24	76	0.30	98	< 10	84	30		
L13000E 5200N	201	285	420	< 1	0.99	20	390	18	66	0.34	106	< 10	102	30		
L13000E 5250N	201	285	320	2	1.43	17	450	16	57	0.33	104	< 10	68	30		
L13000E 5300N	201	285	450	2	0.48	20	770	20	49	0.26	85	< 10	72	30		
L13000E 5350N	201	285	445	1	0.89	23	820	18	50	0.32	98	< 10	72	30		
L13000E 5400N	201	285	445	2	1.34	21	580	26	66	0.36	85	< 10	68	30		
L13000E 5450N	201	285	765	2	3.06	21	930	16	68	0.25	76	< 10	58	40		
L13400E 4500N	201	285	715	1	0.45	27	800	20	63	0.18	90	< 10	158	20		
L13400E 4550N	201	285	2850	2	0.47	38	1100	22	60	0.16	80	< 10	172	30		
L13400E 4600N	201	285	770	< 1	0.61	33	920	20	66	0.20	89	< 10	124	30		
L13400E 4650N	201	285	605	1	0.69	29	780	20	75	0.24	87	< 10	108	40		
L13400E 4700N	201	285	390	1	0.34	17	630	20	56	0.15	73	< 10	76	10		
L13400E 4800N	201	285	695	2	0.78	35	750	16	78	0.27	91	< 10	108	40		
L13400E 4850N	201	285	610	1	0.76	34	430	16	75	0.28	88	< 10	86	40		
L13400E 4900N	201	285	590	2	0.47	24	950	14	64	0.22	71	< 10	108	30		
L13400E 4950N	201	285	660	1	0.69	26	690	12	64	0.38	76	< 10	86	60		
L13400E 5000N	201	285	750	1	0.84	45	890	14	95	0.44	99	< 10	106	60		
L13400E 5050N	201	285	955	< 1	0.74	26	680	24	78	0.32	102	< 10	106	40		
L13400E 5100N	201	285	1210	2	0.55	23	860	30	95	0.23	107	< 10	134	30		
L13400E 5150N	201	285	1120	< 1	0.61	22	700	28	60	0.25	100	< 10	110	30		
L13400E 5200N	201	285	590	1	0.69	25	790	28	62	0.29	112	< 10	138	40		
L13400E 5250N	201	285	790	< 1	0.92	29	770	18	60	0.46	99	< 10	80	50		
L13400E 5350N	201	285	710	2	0.69	25	800	18	50	0.39	89	< 10	76	50		
L13400E 5400N	201	285	465	1	0.25	12	1730	12	40	0.10	42	< 10	92	20		
L13400E 5450N	201	285	1125	2	0.97	26	1070	22	79	0.35	109	< 10	100	40		
L13800E 4450N	201	285	1195	< 1	0.81	34	670	26	75	0.22	88	< 10	164	40		
L13800E 4500N	201	285	500	< 1	0.86	34	750	22	77	0.25	86	< 10	170	40		
L13800E 4550N	201	285	1125	1	0.91	36	730	20	82	0.27	88	< 10	180	40		
L13800E 4600N	201	285	745	3	0.95	45	710	24	76	0.28	88	< 10	258	40		
L13800E 4650N	201	285	835	1	0.54	38	940	18	64	0.19	73	< 10	178	30		
L13800E 4700N	201	285	1360	3	0.97	53	840	22	76	0.28	75	< 10	236	70		

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Certificate Date: 05-AUG-93
Invoice No. :19317865
P.O. Number :
Account :BM W

Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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)
L13800E 4750N	201	285	< 5	< 0.2	6.11	560	2.0	12	1.43	0.5	24	80	63	3.30	1.95	0.99
L13800E 4800N	201	285	< 5	< 0.2	5.95	570	1.5	10	1.50	0.5	27	75	85	3.51	1.90	1.07
L13800E 4850N	201	285	< 5	< 0.2	6.39	600	2.0	6	1.16	< 0.5	36	79	80	3.96	2.03	1.03
L13800E 4900N	201	285	< 5	< 0.2	4.93	490	2.0	6	1.71	0.5	29	65	119	3.01	1.46	0.83
L13800E 4950N	201	285	< 5	< 0.2	6.05	560	1.0	4	1.54	0.5	19	77	96	3.54	1.74	0.87
L13800E 5000N	201	285	< 5	< 0.2	7.28	720	1.0	8	0.79	< 0.5	18	83	56	4.19	2.10	0.95
L13800E 5050N	201	285	< 5	< 0.2	7.80	700	1.5	6	0.76	< 0.5	18	92	68	4.40	2.32	1.02
L13800E 5100N	201	285	< 5	< 0.2	3.95	420	0.5	2	1.76	0.5	10	53	37	2.13	1.26	0.59
L13800E 5150N	201	285	< 5	< 0.2	5.85	600	0.5	4	1.22	0.5	16	81	53	3.46	1.58	0.77
L13800E 5200N	201	285	< 5	< 0.2	5.87	520	1.5	2	0.98	< 0.5	22	122	57	4.22	1.79	1.04
L13800E 5250N	201	285	< 5	< 0.2	5.87	620	< 0.5	8	0.60	< 0.5	16	72	47	3.26	1.77	0.60
L13800E 5300N	201	285	< 5	< 0.2	6.65	580	1.5	10	0.51	< 0.5	20	90	73	4.56	1.79	0.67
L13800E 5350N	201	285	< 5	< 0.2	7.03	660	1.0	8	0.71	< 0.5	31	108	81	4.53	1.68	0.97
L13800E 5400N	201	285	< 5	< 0.2	7.91	590	< 0.5	12	0.83	< 0.5	25	151	73	4.58	1.70	1.20
L13800E 5450N	201	285	< 5	< 0.2	6.71	660	< 0.5	6	0.53	< 0.5	17	84	35	4.02	1.69	0.72
L14200E 4400N	201	285	< 5	< 0.2	4.88	540	1.0	4	2.00	< 0.5	10	64	55	2.83	1.81	0.89
L14200E 4450N	201	285	< 5	0.6	4.02	430	0.5	2	2.46	< 0.5	8	58	46	2.34	1.43	0.81
L14200E 4500N	201	285	< 5	0.4	5.18	570	0.5	6	2.13	< 0.5	11	68	50	3.05	1.77	0.99
L14200E 4550N	201	285	< 5	< 0.2	6.03	610	1.0	8	1.00	0.5	12	72	31	3.80	1.81	0.88
L14200E 4600N	201	285	< 5	< 0.2	5.47	560	0.5	4	2.19	< 0.5	12	77	59	3.11	1.81	1.18
L14200E 4650N	201	285	< 5	< 0.2	5.88	580	0.5	4	0.88	< 0.5	12	67	23	3.46	1.90	0.72
L14200E 4700N	201	285	< 5	< 0.2	6.18	620	2.0	4	1.03	< 0.5	9	73	53	2.37	2.09	0.91
L14200E 4750N	201	285	< 5	< 0.2	6.26	600	< 0.5	2	1.12	0.5	100	91	79	7.59	1.77	1.09
L14200E 4800N	201	285	< 5	< 0.2	5.96	550	1.0	8	1.17	1.0	49	78	104	3.95	1.83	0.89
L14200E 4850N	201	285	< 5	< 0.2	6.43	580	1.5	8	1.03	0.5	65	75	101	4.26	1.86	0.94
L14200E 4900N	201	285	< 5	< 0.2	6.41	580	0.5	8	1.50	0.5	82	77	105	4.23	1.65	0.96
L14200E 4950N	201	285	< 5	< 0.2	5.54	530	1.0	8	1.53	0.5	32	70	71	3.46	1.55	0.84
L14200E 5000N	201	285	< 5	< 0.2	5.37	510	1.0	< 2	1.47	< 0.5	20	77	53	2.98	1.36	0.70
L14200E 5050N	201	285	< 5	< 0.2	7.67	830	0.5	10	0.61	< 0.5	21	89	43	4.42	1.95	0.86
L14200E 5100N	201	285	< 5	< 0.2	5.90	610	1.5	8	1.07	< 0.5	10	69	43	2.87	1.62	0.68
L14200E 5150N	201	285	< 5	< 0.2	7.30	630	1.5	10	0.63	< 0.5	13	82	47	4.10	1.88	0.77
L14200E 5200N	201	285	< 5	< 0.2	7.31	700	1.0	10	0.73	< 0.5	18	76	55	4.15	1.99	0.83
L14200E 5250N	201	285	< 5	< 0.2	6.67	590	< 0.5	4	0.62	< 0.5	10	76	41	4.15	1.73	0.69
L14200E 5300N	201	285	< 5	< 0.2	7.85	700	0.5	12	0.57	< 0.5	20	80	67	5.01	1.85	0.83
L14200E 5350N	201	285	< 5	< 0.2	7.13	580	0.5	10	0.53	< 0.5	18	79	43	4.29	1.70	0.67
L14200E 5400N	201	285	< 5	< 0.2	6.62	560	< 0.5	8	0.40	< 0.5	14	79	35	4.14	1.56	0.59
L14200E 5450N	201	285	< 5	< 0.2	7.17	720	0.5	8	0.61	< 0.5	23	83	60	4.33	1.89	0.73
L14600E 4400N	201	285	< 5	< 0.2	6.12	630	0.5	4	1.01	< 0.5	12	74	51	3.76	2.00	0.88
L14600E 4450N	201	285	< 5	< 0.2	5.74	610	< 0.5	8	1.56	< 0.5	12	69	100	3.41	1.85	1.00
L14600E 4500N	201	285	< 5	< 0.2	4.81	550	0.5	< 2	2.34	0.5	9	62	56	2.70	1.64	0.89

CERTIFICATION: Ian Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Certificate Date: 05-AUG-93
Invoice No. : I9317865
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Account :BM W

Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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		
L13800E 4750N	201	285	835	< 1	1.04	51	680	18	84	0.25	83	< 10	330	70		
L13800E 4800N	201	285	1135	1	0.95	74	760	24	80	0.23	86	< 10	510	60		
L13800E 4850N	201	285	1235	< 1	1.13	67	620	22	94	0.26	87	< 10	390	60		
L13800E 4900N	201	285	965	1	0.67	65	730	22	72	0.20	77	< 10	388	100		
L13800E 4950N	201	285	830	2	0.73	45	890	26	83	0.20	86	< 10	216	60		
L13800E 5000N	201	285	1345	1	0.90	38	910	36	94	0.28	113	< 10	270	60		
L13800E 5050N	201	285	865	2	1.07	46	620	34	99	0.30	111	< 10	240	70		
L13800E 5100N	201	285	885	2	0.44	22	730	26	67	0.14	65	< 10	174	30		
L13800E 5150N	201	285	1380	1	0.78	32	850	46	83	0.25	99	< 10	230	160		
L13800E 5200N	201	285	1700	3	0.78	42	640	38	93	0.47	131	< 10	206	40		
L13800E 5250N	201	285	1730	2	0.80	21	700	34	80	0.29	110	< 10	250	40		
L13800E 5300N	201	285	1060	1	0.86	33	1020	30	90	0.31	112	< 10	232	80		
L13800E 5350N	201	285	970	1	1.05	55	710	28	124	0.38	116	< 10	222	150		
L13800E 5400N	201	285	700	1	1.35	71	540	22	123	0.48	116	< 10	142	90		
L13800E 5450N	201	285	570	2	1.12	29	410	24	118	0.36	116	< 10	112	40		
L14200E 4400N	201	285	790	1	0.65	22	720	26	70	0.23	91	< 10	184	20		
L14200E 4450N	201	285	715	1	0.46	20	750	24	61	0.18	77	< 10	312	10		
L14200E 4500N	201	285	1115	1	0.68	26	850	30	78	0.22	89	< 10	460	20		
L14200E 4550N	201	285	795	1	0.75	26	420	36	75	0.27	114	< 10	234	30		
L14200E 4600N	201	285	830	< 1	1.04	28	610	16	79	0.27	87	< 10	112	30		
L14200E 4650N	201	285	1260	2	0.64	16	690	40	67	0.26	115	< 10	100	30		
L14200E 4700N	201	285	405	1	1.03	30	630	20	91	0.25	87	< 10	266	40		
L14200E 4750N	201	285	2590	1	1.14	92	1020	32	95	0.28	92	< 10	418	120		
L14200E 4800N	201	285	1560	3	0.91	89	1010	30	86	0.24	85	< 10	428	170		
L14200E 4850N	201	285	1970	3	0.89	84	990	44	84	0.22	88	< 10	474	140		
L14200E 4900N	201	285	1700	3	0.85	93	890	46	88	0.21	87	< 10	422	170		
L14200E 4950N	201	285	815	2	0.75	60	810	26	84	0.22	87	< 10	342	80		
L14200E 5000N	201	285	695	4	0.55	39	740	34	77	0.17	79	< 10	212	80		
L14200E 5050N	201	285	1235	2	0.79	31	400	36	88	0.34	135	< 10	228	70		
L14200E 5100N	201	285	1030	< 1	0.56	21	730	28	76	0.23	105	< 10	180	70		
L14200E 5150N	201	285	520	< 1	0.90	30	590	26	96	0.27	99	< 10	164	40		
L14200E 5200N	201	285	1000	3	0.92	35	710	28	104	0.28	104	< 10	210	70		
L14200E 5250N	201	285	375	2	0.83	28	450	22	99	0.27	103	< 10	128	40		
L14200E 5300N	201	285	920	3	0.83	45	850	32	95	0.31	113	< 10	288	60		
L14200E 5350N	201	285	590	2	0.78	32	500	30	96	0.33	107	< 10	258	40		
L14200E 5400N	201	285	485	< 1	0.85	22	370	20	99	0.34	104	< 10	102	30		
L14200E 5450N	201	285	1040	3	1.07	29	820	24	121	0.34	112	< 10	158	60		
L14600E 4400N	201	285	890	2	0.75	27	670	32	81	0.29	108	< 10	160	40		
L14600E 4450N	201	285	1160	1	0.70	27	690	30	76	0.23	92	< 10	210	30		
L14600E 4500N	201	285	765	1	0.52	23	650	28	69	0.20	85	< 10	392	20		

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

Certificate Date: 05-AUG-93
Invoice No. :19317865
P.O. Number :
Account :BM W

Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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)
L14600E 4550N	201 285	< 5	< 0.2	6.66	660	2.0	4	1.51	< 0.5	15	89	81	3.76	2.35	1.09
L14600E 4600N	201 285	< 5	< 0.2	6.56	680	2.0	6	1.08	< 0.5	12	87	54	3.61	2.22	1.03
L14600E 4650N	201 285	< 5	< 0.2	5.01	520	2.5	6	2.11	< 0.5	9	64	44	2.49	1.61	0.80
L14600E 4700N	201 285	< 5	1.0	4.93	500	2.5	2	1.76	< 0.5	9	70	62	3.06	1.53	0.81
L14600E 4750N	201 285	< 5	< 0.2	6.69	660	2.5	4	1.04	< 0.5	9	86	48	3.39	2.31	0.94
L14600E 4800N	201 285	< 5	< 0.2	5.78	580	1.5	10	1.46	0.5	14	71	55	3.79	1.90	1.01
L14600E 4850N	201 285	< 5	< 0.2	6.79	690	1.5	6	0.90	< 0.5	11	84	53	3.35	2.23	0.99
L14600E 4900N	201 285	< 5	< 0.2	6.61	650	2.0	2	0.77	< 0.5	11	83	51	3.09	2.14	0.92
L14600E 4950N	201 285	< 5	< 0.2	6.15	620	1.0	6	1.08	< 0.5	19	83	73	3.46	2.28	0.92
L14600E 5000N	201 285	< 5	< 0.2	7.08	660	1.5	6	0.86	< 0.5	35	79	69	4.44	2.17	1.02
L14600E 5050N	201 285	< 5	< 0.2	6.57	590	1.5	6	0.79	< 0.5	25	76	51	3.97	1.99	0.77
L14600E 5100N	201 285	< 5	< 0.2	4.25	430	1.5	6	1.62	0.5	12	52	57	2.47	1.31	0.70
L14600E 5150N	201 285	< 5	< 0.2	7.06	590	< 0.5	8	0.70	< 0.5	20	88	44	4.59	1.88	0.90
L14600E 5200N	201 285	< 5	< 0.2	7.73	690	1.5	2	0.60	< 0.5	19	80	36	4.55	2.19	0.85
L14600E 5250N	201 285	< 5	< 0.2	7.06	690	1.5	8	0.57	< 0.5	25	81	37	4.26	1.86	0.79
L14600E 5300N	201 285	< 5	< 0.2	5.73	660	1.5	6	0.53	< 0.5	7	78	22	3.04	1.77	0.52
L14600E 5350N	201 285	< 5	< 0.2	6.36	550	1.5	6	0.37	< 0.5	9	74	24	3.94	1.83	0.54
L14600E 5400N	201 285	< 5	< 0.2	4.76	430	< 0.5	2	0.21	< 0.5	1	52	12	0.97	1.45	0.27
L14600E 5450N	201 285	< 5	< 0.2	7.42	680	2.0	8	0.46	< 0.5	10	84	91	4.47	2.34	0.84
L15000E 4500N	201 285	< 5	< 0.2	5.81	600	1.0	4	1.12	< 0.5	8	74	58	3.03	2.09	0.83
L15000E 4550N	201 285	< 5	< 0.2	4.96	580	0.5	4	1.84	< 0.5	9	61	48	2.75	1.69	0.83
L15000E 4600N	201 285	< 5	< 0.2	6.51	630	0.5	10	1.23	< 0.5	14	82	51	3.75	2.00	1.10
L15000E 4650N	201 285	< 5	< 0.2	7.08	770	1.5	10	0.99	< 0.5	25	78	77	4.12	2.27	1.06
L15000E 4700N	201 285	< 5	< 0.2	8.35	710	2.0	8	1.57	< 0.5	18	90	50	4.44	2.64	1.31
L15000E 4750N	201 285	< 5	< 0.2	6.58	680	2.0	6	0.94	< 0.5	16	72	73	4.01	2.12	0.97
L15000E 4800N	201 285	< 5	< 0.2	6.25	620	1.0	12	0.88	< 0.5	15	70	58	3.88	1.94	1.07
L15000E 4850N	201 285	< 5	< 0.2	3.26	380	< 0.5	< 2	2.32	< 0.5	6	46	36	1.90	1.23	0.72
L15000E 4900N	201 285	< 5	< 0.2	3.43	370	< 0.5	< 2	2.91	< 0.5	7	45	101	1.80	1.34	0.67
L15000E 4950N	201 285	< 5	< 0.2	7.26	730	< 0.5	10	1.17	< 0.5	12	88	110	3.80	2.43	1.10
L15000E 5000N	201 285	< 5	< 0.2	7.82	780	1.5	12	0.88	< 0.5	14	97	95	3.46	2.53	1.12
L15000E 5050N	201 285	< 5	< 0.2	5.77	610	< 0.5	8	1.24	< 0.5	17	73	30	2.97	1.71	0.83
L15000E 5100N	201 285	< 5	< 0.2	7.04	690	0.5	< 2	0.96	< 0.5	71	80	90	3.98	2.08	1.03
L15000E 5150N	201 285	< 5	< 0.2	6.30	620	1.0	< 2	1.58	0.5	41	81	104	3.54	1.83	1.10
L15000E 5200N	201 285	< 5	< 0.2	6.43	650	0.5	< 2	1.52	< 0.5	17	74	83	3.26	1.92	1.11
L15000E 5250N	201 285	< 5	< 0.2	6.76	600	1.0	2	1.10	< 0.5	54	80	166	4.14	1.82	1.02
L15000E 5300N	201 285	< 5	< 0.2	6.62	640	0.5	< 2	1.32	< 0.5	24	78	89	3.60	1.95	1.06
L15000E 5350N	201 285	< 5	< 0.2	5.72	560	0.5	< 2	1.19	0.5	23	79	95	2.86	1.57	0.83
L15000E 5400N	201 285	miss.	< 0.2	5.92	580	1.0	< 2	1.18	< 0.5	18	73	80	2.93	1.66	0.87

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 :4-B
Total Pages :4
Certificate Date: 05-AUG-93
Invoice No. :19317865
P.O. Number :
Account :BM W

Project : BON FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317865

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		
L14600E 4550N	201	285	1380	1	0.88	38	680	28	79	0.24	97	< 10	150	40		
L14600E 4600N	201	285	1000	< 1	1.11	26	480	20	87	0.28	91	< 10	102	40		
L14600E 4650N	201	285	720	< 1	0.61	20	660	20	67	0.18	82	< 10	102	20		
L14600E 4700N	201	285	1120	< 1	0.81	23	530	18	79	0.24	79	< 10	352	30		
L14600E 4750N	201	285	720	1	1.31	26	640	18	102	0.31	86	< 10	250	40		
L14600E 4800N	201	285	2050	1	0.83	27	710	26	79	0.23	87	< 10	640	30		
L14600E 4850N	201	285	495	< 1	1.17	27	500	22	104	0.34	98	< 10	146	40		
L14600E 4900N	201	285	410	1	1.19	25	390	18	106	0.33	92	< 10	122	40		
L14600E 4950N	201	285	1160	3	1.14	38	620	24	101	0.26	89	< 10	182	40		
L14600E 5000N	201	285	1225	3	1.04	52	770	34	100	0.24	102	< 10	264	40		
L14600E 5050N	201	285	1040	2	0.80	34	580	40	82	0.25	115	< 10	172	30		
L14600E 5100N	201	285	760	2	0.52	32	760	22	80	0.18	72	< 10	168	20		
L14600E 5150N	201	285	625	< 1	0.94	31	410	38	92	0.31	113	< 10	146	30		
L14600E 5200N	201	285	1100	3	0.84	24	580	44	86	0.34	140	< 10	326	60		
L14600E 5250N	201	285	1085	2	0.84	29	530	36	93	0.32	118	< 10	276	40		
L14600E 5300N	201	285	1095	1	0.82	15	350	22	86	0.34	110	< 10	140	30		
L14600E 5350N	201	285	620	2	0.78	19	470	20	73	0.32	115	< 10	176	30		
L14600E 5400N	201	285	90	< 1	0.66	4	400	14	65	0.29	82	< 10	30	20		
L14600E 5450N	201	285	510	3	1.16	30	390	24	100	0.29	99	< 10	126	30		
L15000E 4500N	201	285	380	< 1	0.84	21	600	26	86	0.27	100	< 10	146	30		
L15000E 4550N	201	285	740	< 1	0.71	21	720	24	77	0.22	79	< 10	156	20		
L15000E 4600N	201	285	785	< 1	0.94	30	420	28	100	0.31	102	< 10	116	40		
L15000E 4650N	201	285	1975	1	0.92	35	590	22	88	0.25	88	< 10	216	50		
L15000E 4700N	201	285	2220	1	0.76	36	770	30	175	0.23	104	< 10	178	40		
L15000E 4750N	201	285	3420	1	0.63	34	490	30	71	0.25	95	< 10	120	40		
L15000E 4800N	201	285	3500	1	0.82	32	430	32	72	0.26	94	< 10	132	30		
L15000E 4850N	201	285	845	1	0.35	15	800	22	54	0.12	59	< 10	188	10		
L15000E 4900N	201	285	545	< 1	0.46	18	730	12	56	0.13	51	< 10	98	10		
L15000E 4950N	201	285	950	< 1	1.30	30	690	10	102	0.32	87	< 10	96	50		
L15000E 5000N	201	285	635	< 1	1.40	35	690	10	116	0.37	93	< 10	108	60		
L15000E 5050N	201	285	1275	< 1	1.03	34	660	12	110	0.30	80	< 10	178	40		
L15000E 5100N	201	285	1475	< 1	1.20	124	460	12	112	0.34	90	< 10	496	100		
L15000E 5150N	201	285	1385	< 1	1.11	103	660	10	109	0.29	80	< 10	350	60		
L15000E 5200N	201	285	820	< 1	1.08	40	660	14	114	0.26	80	< 10	134	30		
L15000E 5250N	201	285	1010	1	1.13	79	660	14	110	0.31	80	< 10	192	50		
L15000E 5300N	201	285	970	2	1.18	53	730	14	123	0.31	84	< 10	196	50		
L15000E 5350N	201	285	1025	< 1	0.86	40	770	26	100	0.23	76	< 10	174	50		
L15000E 5400N	201	285	910	1	0.85	36	880	14	99	0.22	75	< 10	166	40		

CERTIFICATION: Ian 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

A9317864

Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE A9317864

PAMICON DEVELOPMENTS LIMITED

Project: BON-FAIRCHILD
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 2-AUG-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	192	Dry, sieve to -80 mesh
285	192	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
100	192	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	192	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	192	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	192	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	192	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	192	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	192	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	192	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	192	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	192	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	192	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	192	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	192	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	192	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	192	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	192	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	192	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	192	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	192	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	192	Pb ppm: 24 element, rock & core	AAS	2	10000
582	192	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	192	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	192	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	192	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	192	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	192	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

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

Page Number :1-A
Total Pages :5
Certificate Date: 02-AUG-93
Invoice No. :I9317864
P.O. Number :
Account :BM W

Project : BON-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317864

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)
L8200E 4500N	201	285	< 5	< 0.2	5.07	560	0.5	< 2	1.91	< 0.5	11	64	41	2.78	1.48	1.02
L8200E 4550N	201	285	< 5	< 0.2	6.65	620	1.5	< 2	1.37	< 0.5	13	84	55	3.37	1.90	1.12
L8200E 4600N	201	285	< 5	< 0.2	6.23	540	1.0	< 2	0.97	0.5	21	71	50	3.03	1.47	0.85
L8200E 4650N	201	285	< 5	< 0.2	6.66	620	1.0	< 2	0.75	0.5	9	76	56	2.03	1.61	0.90
L8200E 4700N	201	285	< 5	< 0.2	6.09	620	1.0	< 2	0.85	< 0.5	4	70	44	1.76	1.69	0.83
L8200E 4750N	201	285	< 5	< 0.2	6.14	640	0.5	2	0.99	< 0.5	13	75	48	2.91	1.78	0.83
L8200E 4800N	201	285	< 5	< 0.2	6.79	710	1.0	< 2	0.92	< 0.5	17	81	40	3.46	1.72	0.88
L8200E 4850N	201	285	< 5	< 0.2	6.44	660	0.5	< 2	0.98	0.5	16	74	47	3.16	1.49	0.84
L8200E 4900N	201	285	< 5	< 0.2	5.83	630	1.0	< 2	1.28	0.5	14	70	50	2.94	1.41	0.84
L8200E 4950N	201	285	< 5	< 0.2	5.82	580	0.5	4	1.38	0.5	17	71	39	3.15	1.47	0.85
L8200E 5000N	201	285	< 5	< 0.2	5.75	620	0.5	< 2	1.42	0.5	19	77	51	3.17	1.56	0.88
L8200E 5050N	201	285	< 5	< 0.2	7.41	780	1.5	6	1.13	0.5	44	97	99	4.33	1.79	1.04
L8200E 5100N	201	285	< 5	< 0.2	5.42	480	0.5	< 2	0.45	0.5	20	62	31	2.80	1.39	0.55
L8200E 5150N	201	285	< 5	< 0.2	7.33	730	1.5	6	0.85	0.5	55	95	102	4.04	1.71	0.96
L8200E 5200N	201	285	< 5	< 0.2	5.67	890	0.5	2	1.77	0.5	22	66	55	3.21	1.30	0.91
L8200E 5250N	201	285	< 5	< 0.2	6.57	690	1.5	6	1.13	0.5	29	73	74	3.90	1.46	0.83
L8600E 4500N	201	285	< 5	< 0.2	5.51	580	0.5	6	1.68	< 0.5	15	66	58	3.19	1.58	0.92
L8600E 4550N	201	285	< 5	< 0.2	5.76	560	0.5	4	1.21	0.5	15	74	42	3.13	1.64	0.90
L8600E 4600N	201	285	< 5	< 0.2	6.01	580	0.5	< 2	1.12	< 0.5	13	79	42	3.22	1.98	0.94
L8600E 4650N	201	285	< 5	< 0.2	4.54	490	0.5	< 2	2.26	< 0.5	11	57	62	2.54	1.53	0.94
L8600E 4700N	201	285	< 5	< 0.2	7.14	680	0.5	< 2	0.91	< 0.5	16	88	63	3.99	2.35	1.07
L8600E 4750N	201	285	< 5	< 0.2	5.65	540	< 0.5	< 2	0.86	< 0.5	21	74	26	5.03	1.34	0.84
L8600E 4800N	201	285	< 5	< 0.2	6.85	650	0.5	< 2	1.15	< 0.5	15	82	53	3.43	2.16	1.08
L8600E 4850N	201	285	< 5	< 0.2	7.52	500	0.5	< 2	0.76	< 0.5	20	79	43	3.12	2.10	0.98
L8600E 4900N	201	285	< 5	< 0.2	6.20	450	1.0	< 2	1.42	< 0.5	20	75	45	2.68	1.75	0.92
L8600E 4950N	201	285	< 5	< 0.2	5.38	590	< 0.5	< 2	0.97	0.5	21	63	46	3.28	1.50	0.74
L8600E 5000N	201	285	< 5	< 0.2	5.20	530	0.5	< 2	1.19	< 0.5	16	64	37	3.05	1.64	0.77
L8600E 5050N	201	285	< 5	< 0.2	7.51	510	1.0	< 2	0.98	< 0.5	15	91	44	3.41	2.32	0.79
L8600E 5100N	201	285	< 5	< 0.2	6.27	520	0.5	< 2	0.75	< 0.5	19	77	39	3.43	1.81	0.78
L8600E 5150N	201	285	< 5	< 0.2	6.92	690	< 0.5	< 2	0.69	< 0.5	22	79	47	4.24	1.77	0.90
L8600E 5200N	201	285	< 5	< 0.2	6.22	550	0.5	< 2	0.58	0.5	9	74	27	3.59	1.60	0.62
L8600E 5250N	201	285	< 5	< 0.2	6.80	630	0.5	< 2	1.44	< 0.5	17	78	64	3.86	2.13	1.27
L8600E 5300N	201	285	< 5	< 0.2	6.39	590	< 0.5	< 2	0.57	< 0.5	11	74	23	4.13	1.61	0.69
L9000E 4500N	201	285	< 5	< 0.2	5.64	580	< 0.5	< 2	2.00	0.5	17	79	45	3.45	1.72	1.12
L9000E 4550N	201	285	10	< 0.2	6.69	690	< 0.5	< 2	1.47	< 0.5	20	91	46	4.17	2.12	1.36
L9000E 4600N	201	285	< 5	< 0.2	6.45	610	0.5	< 2	0.89	< 0.5	12	73	35	3.41	1.93	0.89
L9000E 4650N	201	285	5	< 0.2	6.49	600	< 0.5	10	1.03	< 0.5	16	73	32	3.11	1.87	0.85
L9000E 4700N	201	285	< 5	< 0.2	6.30	600	< 0.5	< 2	0.88	< 0.5	15	72	30	2.92	1.89	0.79
L9000E 4750N	201	285	< 5	< 0.2	5.20	530	0.5	< 2	1.31	0.5	14	65	46	3.54	1.54	0.80
L9000E 4800N	201	285	< 5	< 0.2	5.88	560	< 0.5	2	0.95	< 0.5	17	70	32	3.59	1.73	0.77

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Page Number :1-B
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Certificate Date: 02-AUG-93
Invoice No. :I9317864
P.O. Number :
Account :BM W

Project : BON-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317864

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		
L8200E 4500N	201	285	725	1	0.53	25	700	22	72	0.22	87	< 10	164	30		
L8200E 4550N	201	285	640	2	0.79	34	580	14	81	0.26	84	< 10	148	40		
L8200E 4600N	201	285	900	< 1	0.96	35	860	38	73	0.22	91	< 10	168	60		
L8200E 4650N	201	285	200	< 1	0.85	35	690	30	91	0.21	94	< 10	154	70		
L8200E 4700N	201	285	180	1	0.77	26	620	20	101	0.24	90	< 10	112	60		
L8200E 4750N	201	285	720	1	0.80	27	850	20	93	0.27	106	< 10	160	90		
L8200E 4800N	201	285	905	1	0.77	31	610	24	100	0.26	115	< 10	174	90		
L8200E 4850N	201	285	715	2	0.69	32	730	20	97	0.23	104	< 10	186	120		
L8200E 4900N	201	285	665	< 1	0.60	33	620	22	88	0.21	97	< 10	218	130		
L8200E 4950N	201	285	1070	< 1	0.59	29	770	28	85	0.22	102	< 10	202	80		
L8200E 5000N	201	285	995	1	0.56	38	890	26	80	0.22	102	< 10	328	230		
L8200E 5050N	201	285	1160	2	0.74	104	850	30	96	0.25	122	< 10	626	440		
L8200E 5100N	201	285	540	1	0.63	25	600	22	69	0.27	114	< 10	188	40		
L8200E 5150N	201	285	1155	< 1	0.80	148	900	26	101	0.27	112	< 10	1005	450		
L8200E 5200N	201	285	1235	2	0.53	33	1110	32	95	0.17	94	< 10	264	150		
L8200E 5250N	201	285	765	< 1	0.86	51	960	30	123	0.27	95	< 10	244	90		
L8600E 4500N	201	285	900	< 1	0.61	29	870	24	75	0.21	97	< 10	144	30		
L8600E 4550N	201	285	790	< 1	0.76	28	730	16	80	0.25	91	< 10	144	40		
L8600E 4600N	201	285	720	2	0.91	27	710	16	86	0.30	97	< 10	142	40		
L8600E 4650N	201	285	745	2	0.50	25	930	20	67	0.18	81	< 10	154	20		
L8600E 4700N	201	285	960	4	0.98	34	510	18	90	0.32	98	< 10	152	50		
L8600E 4750N	201	285	525	15	1.08	22	1170	20	92	0.24	108	< 10	100	30		
L8600E 4800N	201	285	655	1	1.12	29	640	14	92	0.28	84	< 10	130	40		
L8600E 4850N	201	285	755	1	1.10	26	650	14	53	0.34	86	< 10	72	60		
L8600E 4900N	201	285	805	< 1	0.73	25	890	12	47	0.17	74	< 10	94	40		
L8600E 4950N	201	285	2740	2	0.58	24	890	32	61	0.23	100	< 10	158	30		
L8600E 5000N	201	285	1535	2	0.56	22	750	28	65	0.23	103	< 10	142	30		
L8600E 5050N	201	285	875	1	1.05	30	560	12	49	0.44	89	< 10	68	60		
L8600E 5100N	201	285	1420	1	0.88	24	770	20	53	0.31	93	< 10	94	50		
L8600E 5150N	201	285	910	1	0.95	33	590	24	96	0.32	115	< 10	126	50		
L8600E 5200N	201	285	390	6	1.03	16	770	22	77	0.30	122	< 10	90	40		
L8600E 5250N	201	285	920	< 1	1.02	34	580	18	89	0.34	91	< 10	124	60		
L8600E 5300N	201	285	350	3	0.97	22	560	18	97	0.31	112	< 10	86	40		
L9000E 4500N	201	285	975	1	0.70	31	650	24	77	0.25	100	< 10	124	30		
L9000E 4550N	201	285	1055	2	1.09	42	590	18	96	0.33	107	< 10	152	40		
L9000E 4600N	201	285	775	3	0.72	24	700	24	75	0.25	96	< 10	168	50		
L9000E 4650N	201	285	655	1	0.69	23	670	22	73	0.24	95	< 10	142	40		
L9000E 4700N	201	285	625	2	0.73	22	570	20	75	0.24	92	< 10	136	40		
L9000E 4750N	201	285	1475	1	0.70	23	800	20	70	0.22	78	< 10	128	20		
L9000E 4800N	201	285	1535	1	0.74	19	670	24	69	0.29	86	< 10	108	30		

CERTIFICATION: Stan Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: PAMICON DEVELOPMENTS LIMITED
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P.O. Number :
Account :BM W

Project : BON-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317864

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)
L9000E 4850N	201 285	< 5	< 0.2	5.20	560	1.5	< 2	1.37	< 0.5	9	62	26	2.56	1.56	0.81
L9000E 4900N	201 285	< 5	< 0.2	5.80	590	0.5	< 2	1.13	< 0.5	8	72	34	2.97	1.71	0.85
L9000E 4950N	201 285	< 5	< 0.2	5.61	580	2.0	< 2	1.30	< 0.5	10	64	29	2.90	1.62	0.86
L9000E 5000N	201 285	< 5	< 0.2	6.61	690	< 0.5	< 2	1.36	< 0.5	14	80	40	3.10	2.16	0.95
L9000E 5050N	201 285	< 5	< 0.2	6.32	700	< 0.5	< 2	1.68	< 0.5	11	78	48	2.99	2.12	0.95
L9000E 5100N	201 285	< 5	< 0.2	7.49	790	< 0.5	< 2	0.91	< 0.5	11	87	49	3.75	2.12	1.03
L9000E 5150N	201 285	< 5	< 0.2	6.04	670	1.5	2	1.43	0.5	11	77	33	3.28	1.83	0.94
L9000E 5200N	201 285	< 5	< 0.2	5.57	610	< 0.5	< 2	1.71	< 0.5	10	70	37	3.12	1.73	1.21
L9000E 5250N	201 285	< 5	< 0.2	4.72	430	< 0.5	< 2	1.68	< 0.5	9	61	21	2.21	1.50	0.75
L9000E 5300N	201 285	< 5	< 0.2	6.20	620	< 0.5	< 2	0.96	< 0.5	11	73	28	3.32	1.82	0.91
L9000E 5350N	201 285	< 5	< 0.2	6.70	520	< 0.5	< 2	0.52	< 0.5	7	83	19	3.69	1.41	0.73
L9000E 5400N	201 285	< 5	< 0.2	7.39	450	2.0	4	0.57	0.5	9	73	17	3.14	1.30	0.58
L9400E 4500N	201 285	15	< 0.2	5.48	560	< 0.5	< 2	1.83	< 0.5	11	68	32	3.27	1.74	0.89
L9400E 4550N	201 285	< 5	< 0.2	6.52	660	1.0	< 2	1.03	< 0.5	12	81	36	3.97	2.26	1.08
L9400E 4650N	201 285	< 5	< 0.2	5.78	600	0.5	< 2	1.50	< 0.5	9	74	41	2.65	1.86	0.84
L9400E 4700N	201 285	< 5	< 0.2	6.21	660	1.0	< 2	1.71	0.5	15	78	45	3.10	2.03	0.90
L9400E 4750N	201 285	< 5	< 0.2	6.51	700	1.0	< 2	1.35	< 0.5	10	80	38	2.97	2.10	0.91
L9400E 4800N	201 285	< 5	< 0.2	6.24	610	1.0	< 2	1.25	< 0.5	12	76	30	3.14	2.12	0.95
L9400E 4850N	201 285	< 5	< 0.2	7.08	690	1.0	< 2	1.02	0.5	10	83	35	2.97	2.55	0.96
L9400E 4900N	201 285	< 5	< 0.2	6.70	650	1.0	< 2	0.95	< 0.5	18	76	54	3.30	2.13	0.88
L9400E 4950N	201 285	< 5	< 0.2	6.89	660	4.0	< 2	0.93	< 0.5	16	69	49	3.41	2.21	0.89
L9400E 5000N	201 285	< 5	< 0.2	7.07	660	5.0	< 2	0.85	< 0.5	21	65	44	3.50	2.06	0.80
L9400E 5100N	201 285	< 5	< 0.2	6.58	720	5.5	4	0.71	< 0.5	22	70	46	3.95	2.25	0.86
L9400E 5150N	201 285	< 5	< 0.2	6.72	660	5.0	< 2	0.77	< 0.5	23	66	45	4.44	1.96	0.77
L9400E 5200N	201 285	< 5	< 0.2	7.11	680	6.0	< 2	0.54	< 0.5	23	65	53	4.50	1.99	0.72
L9400E 5250N	201 285	< 5	< 0.2	6.80	790	4.5	6	0.70	0.5	16	66	35	3.83	1.99	0.64
L9400E 5300N	201 285	5	< 0.2	7.05	600	5.0	4	0.62	< 0.5	16	63	38	4.28	1.90	0.74
L9400E 5350N	201 285	< 5	< 0.2	6.55	550	3.5	6	0.37	< 0.5	6	64	27	4.12	1.78	0.50
L9400E 5400N	201 285	< 5	< 0.2	6.15	540	3.5	< 2	0.26	< 0.5	7	57	24	3.14	2.10	0.41
L9400E 5450N	201 285	< 5	< 0.2	6.01	620	4.5	2	0.56	< 0.5	11	63	35	4.07	1.82	0.63
L9800E 4500N	201 285	< 5	< 0.2	6.35	640	4.0	4	1.38	< 0.5	11	65	35	3.26	2.18	0.90
L9800E 4550N	201 285	< 5	< 0.2	6.87	650	1.5	< 2	1.02	< 0.5	8	63	32	3.12	2.26	0.93
L9800E 4600N	201 285	< 5	< 0.2	7.22	680	2.0	< 2	1.00	< 0.5	7	70	34	2.44	2.35	0.98
L9800E 4650N	201 285	< 5	< 0.2	6.22	630	1.5	6	1.16	< 0.5	13	58	27	2.80	2.08	0.86
L9800E 4700N	201 285	< 5	< 0.2	5.86	590	1.5	< 2	1.88	0.5	15	62	40	3.11	2.00	1.05
L9800E 4750N	201 285	< 5	< 0.2	5.96	550	2.0	4	1.35	< 0.5	17	62	35	3.07	2.01	0.98
L9800E 4800N	201 285	< 5	< 0.2	6.22	620	1.5	< 2	2.51	0.5	16	63	40	3.02	2.02	1.11
L9800E 4850N	201 285	< 5	< 0.2	6.72	670	3.0	< 2	2.63	0.5	26	68	51	3.67	2.25	2.17
L9800E 5000N	201 285	< 5	< 0.2	6.51	650	2.5	2	0.82	< 0.5	11	62	30	3.19	2.15	0.84
L9800E 5050N	201 285	10	< 0.2	7.11	640	3.0	< 2	0.51	< 0.5	10	69	38	3.33	2.28	0.88

CERTIFICATION: Stan Buchan

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9317864

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		
L9000E 4850N	201 285	910	2	0.83	19	690	16	83	0.24	74	< 10	114	30		
L9000E 4900N	201 285	635	1	0.93	21	650	16	83	0.30	74	< 10	100	40		
L9000E 4950N	201 285	685	1	0.85	20	630	14	80	0.28	78	< 10	116	30		
L9000E 5000N	201 285	610	1	0.90	26	710	16	91	0.27	88	< 10	102	30		
L9000E 5050N	201 285	625	2	0.79	24	770	16	85	0.22	88	< 10	80	30		
L9000E 5100N	201 285	555	2	0.79	29	630	22	91	0.28	106	< 10	104	30		
L9000E 5150N	201 285	845	1	0.78	23	620	18	93	0.27	89	< 10	92	30		
L9000E 5200N	201 285	1040	2	0.70	21	1000	20	75	0.21	82	< 10	92	20		
L9000E 5250N	201 285	445	2	0.84	14	490	16	71	0.20	68	< 10	46	20		
L9000E 5300N	201 285	585	1	1.11	24	480	20	101	0.28	83	< 10	72	40		
L9000E 5350N	201 285	300	7	1.51	16	350	22	96	0.28	104	< 10	70	30		
L9000E 5400N	201 285	555	7	2.26	12	570	28	64	0.28	102	< 10	78	40		
L9400E 4500N	201 285	815	1	0.46	21	570	28	78	0.23	97	< 10	132	20		
L9400E 4550N	201 285	805	1	0.62	29	520	32	85	0.30	114	< 10	144	40		
L9400E 4650N	201 285	500	1	0.67	21	650	14	82	0.27	81	< 10	104	30		
L9400E 4700N	201 285	850	< 1	0.63	24	660	22	79	0.22	86	< 10	116	30		
L9400E 4750N	201 285	670	1	0.77	23	550	16	92	0.26	88	< 10	104	30		
L9400E 4800N	201 285	950	< 1	0.87	23	530	16	93	0.30	82	< 10	88	40		
L9400E 4850N	201 285	440	< 1	0.91	23	650	14	93	0.25	89	< 10	116	30		
L9400E 4900N	201 285	850	1	0.64	30	840	18	77	0.23	88	< 10	128	50		
L9400E 4950N	201 285	990	< 1	0.81	29	480	16	90	0.26	86	< 10	104	40		
L9400E 5000N	201 285	1005	< 1	0.62	30	710	20	74	0.23	91	< 10	116	60		
L9400E 5100N	201 285	1520	1	0.60	30	930	32	76	0.31	124	< 10	150	60		
L9400E 5150N	201 285	720	1	0.55	31	960	26	74	0.30	113	< 10	178	50		
L9400E 5200N	201 285	1605	1	0.61	34	790	12	66	0.25	87	< 10	100	40		
L9400E 5250N	201 285	1725	1	0.74	21	1010	26	91	0.31	120	< 10	110	70		
L9400E 5300N	201 285	915	< 1	0.72	25	980	22	96	0.30	105	< 10	172	50		
L9400E 5350N	201 285	285	1	0.66	15	310	18	79	0.37	123	< 10	70	40		
L9400E 5400N	201 285	350	1	0.61	13	520	10	61	0.30	98	< 10	44	30		
L9400E 5450N	201 285	375	2	0.90	24	530	12	110	0.44	112	< 10	56	60		
L9800E 4500N	201 285	700	< 1	0.71	23	520	22	81	0.28	94	< 10	118	40		
L9800E 4550N	201 285	380	< 1	0.83	21	590	20	85	0.29	88	< 10	116	40		
L9800E 4600N	201 285	320	< 1	0.89	22	620	20	88	0.32	89	< 10	98	40		
L9800E 4650N	201 285	1010	< 1	0.80	20	630	16	76	0.27	81	< 10	92	40		
L9800E 4700N	201 285	735	< 1	0.56	24	880	30	72	0.20	91	< 10	126	20		
L9800E 4750N	201 285	775	1	0.75	25	700	20	76	0.27	88	< 10	116	30		
L9800E 4800N	201 285	830	< 1	0.70	26	660	18	85	0.26	82	< 10	100	20		
L9800E 4850N	201 285	1620	< 1	0.67	32	770	26	81	0.29	100	< 10	140	30		
L9800E 5000N	201 285	930	< 1	0.81	22	390	18	83	0.27	85	< 10	92	40		
L9800E 5050N	201 285	705	< 1	1.06	25	350	14	95	0.35	76	< 10	66	40		

CERTIFICATION: Ron H Bucholz

Chemex Labs Ltd.

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L9800E 5100N	201 285	< 5	< 0.2	9.03	810	1.5	< 2	0.68	< 0.5	22	100	58	4.90	2.55	1.03
L9800E 5150N	201 285	< 5	< 0.2	7.74	750	1.0	< 2	0.97	< 0.5	15	75	33	3.93	2.09	0.93
L9800E 5200N	201 285	< 5	< 0.2	5.11	580	0.5	< 2	1.02	< 0.5	7	45	29	2.76	1.24	0.49
L9800E 5250N	201 285	< 5	< 0.2	7.64	650	3.0	4	0.51	0.5	22	79	40	4.42	1.97	0.78
L9800E 5300N	201 285	< 5	< 0.2	7.28	630	3.0	4	0.60	< 0.5	18	70	33	4.25	1.72	0.84
L9800E 5350N	201 285	< 5	< 0.2	6.83	550	2.0	6	0.52	< 0.5	13	69	28	3.99	1.58	0.68
L9800E 5400N	201 285	< 5	< 0.2	6.66	510	1.5	6	0.57	< 0.5	10	63	25	3.97	1.47	0.68
L9800E 5450N	201 285	< 5	< 0.2	7.22	630	2.0	12	0.49	< 0.5	17	77	50	5.15	1.94	0.79
L10200E 4500N	201 285	< 5	< 0.2	4.83	550	1.0	2	2.41	0.5	11	48	41	2.81	1.61	1.11
L10200E 4550N	201 285	< 5	< 0.2	5.27	570	2.0	< 2	2.81	< 0.5	10	55	38	3.15	1.67	1.44
L10200E 4600N	201 285	< 5	< 0.2	6.46	640	1.5	2	1.82	< 0.5	15	66	44	3.72	1.96	1.27
L10200E 4650N	201 285	< 5	< 0.2	5.56	580	2.0	2	1.59	< 0.5	13	58	33	3.50	1.70	0.98
L10200E 4700N	201 285	< 5	< 0.2	4.39	520	1.0	6	2.21	0.5	9	45	29	2.42	1.30	0.82
L10200E 4750N	201 285	< 5	< 0.2	5.64	580	1.5	< 2	2.09	< 0.5	11	56	51	3.01	1.70	1.09
L10200E 4800N	201 285	< 5	< 0.2	7.39	690	2.5	8	0.91	< 0.5	15	73	38	4.06	2.19	1.10
L10200E 4850N	201 285	< 5	< 0.2	5.99	580	1.5	8	1.40	< 0.5	13	57	41	3.31	1.76	0.95
L10200E 4900N	201 285	< 5	< 0.2	7.21	700	2.0	10	0.84	< 0.5	13	66	28	3.17	1.99	0.99
L10200E 4950N	201 285	< 5	< 0.2	6.85	660	2.0	8	0.99	< 0.5	11	59	22	3.09	1.92	0.96
L10200E 5000N	201 285	< 5	< 0.2	6.59	620	2.0	14	0.74	< 0.5	13	59	24	3.05	1.83	0.87
L10200E 5050N	201 285	< 5	< 0.2	6.89	620	0.5	< 2	1.09	0.5	12	63	34	3.02	1.83	0.91
L10200E 5100N	201 285	< 5	< 0.2	7.56	740	2.0	2	1.13	< 0.5	11	69	38	3.15	2.33	1.02
L10200E 5150N	201 285	< 5	< 0.2	7.89	720	2.0	2	0.65	< 0.5	14	74	31	3.70	2.26	1.03
L10200E 5200N	201 285	< 5	< 0.2	8.01	630	2.0	< 2	0.58	< 0.5	24	81	36	4.24	2.09	1.21
L10600E 4350N	201 285	< 5	< 0.2	5.74	570	1.0	2	1.49	< 0.5	11	58	38	3.51	1.72	1.01
L10600E 4400N	201 285	< 5	< 0.2	4.93	480	0.5	< 2	4.66	< 0.5	6	51	25	2.85	1.60	3.08
L10600E 4450N	201 285	< 5	< 0.2	5.58	550	1.0	< 2	1.56	0.5	9	56	47	2.97	1.81	1.09
L10600E 4500N	201 285	< 5	< 0.2	4.60	580	1.0	6	2.14	0.5	10	47	40	2.78	1.52	0.85
L10600E 4550N	201 285	< 5	< 0.2	6.11	640	1.5	2	1.07	< 0.5	12	62	31	3.78	1.88	0.92
L10600E 4600N	201 285	< 5	< 0.2	5.15	540	1.0	< 2	2.00	< 0.5	11	52	60	2.92	1.56	0.93
L10600E 4650N	201 285	< 5	< 0.2	4.61	470	1.0	< 2	3.32	< 0.5	8	47	32	2.61	1.59	2.00
L10600E 4700N	201 285	< 5	< 0.2	5.38	680	1.0	< 2	3.46	< 0.5	10	55	36	3.13	1.77	1.82
L10600E 4750N	201 285	< 5	< 0.2	5.92	560	1.0	2	2.17	0.5	23	61	53	3.80	1.78	1.16
L10600E 4800N	201 285	< 5	< 0.2	6.06	590	1.5	< 2	3.33	0.5	16	63	36	3.66	1.81	1.42
L10600E 4850N	201 285	< 5	< 0.2	6.59	620	1.0	2	0.86	< 0.5	16	71	48	3.85	1.95	0.97
L10600E 4900N	201 285	< 5	< 0.2	6.44	610	1.0	< 2	0.61	< 0.5	13	74	26	3.86	1.77	0.83
L10600E 4950N	201 285	< 5	< 0.2	6.46	630	1.5	2	1.01	< 0.5	9	75	43	2.23	1.85	0.86
L10600E 5000N	201 285	< 5	< 0.2	6.43	630	0.5	4	1.38	< 0.5	17	73	57	3.20	1.87	0.92
L10600E 5050N	201 285	< 5	< 0.2	6.23	580	1.0	2	1.27	< 0.5	15	71	46	3.34	1.72	0.84
L10600E 5100N	201 285	< 5	< 0.2	7.08	650	1.5	2	1.11	< 0.5	16	83	48	3.46	2.09	1.07
L10600E 5200N	201 285	< 5	< 0.2	2.99	320	0.5	< 2	2.83	< 0.5	7	44	30	1.55	0.86	0.74

CERTIFICATION: Ian Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Page Number :3-B
Total Pages :5
Certificate Date: 02-AUG-93
Invoice No. :19317864
P.O. Number :
Account :BM W

Project : BON-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317864

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		
L9800E 5100N	201 285	1905	1	1.01	33	800	30	85	0.34	129	< 10	106	30		
L9800E 5150N	201 285	1010	2	0.87	26	530	26	91	0.29	109	< 10	98	30		
L9800E 5200N	201 285	740	2	0.50	12	640	32	75	0.24	91	< 10	52	30		
L9800E 5250N	201 285	1595	1	1.20	28	750	22	87	0.48	115	< 10	102	50		
L9800E 5300N	201 285	1235	1	1.11	26	610	18	98	0.44	113	< 10	96	50		
L9800E 5350N	201 285	930	2	0.95	20	630	20	83	0.39	114	< 10	118	40		
L9800E 5400N	201 285	565	1	0.88	19	460	22	79	0.34	117	< 10	100	40		
L9800E 5450N	201 285	945	< 1	0.85	28	750	16	104	0.47	119	< 10	98	40		
L10200E 4500N	201 285	735	< 1	0.42	24	820	20	72	0.21	88	< 10	164	20		
L10200E 4550N	201 285	765	1	0.43	25	840	28	77	0.24	94	< 10	178	20		
L10200E 4600N	201 285	935	< 1	0.61	30	620	22	80	0.26	95	< 10	180	30		
L10200E 4650N	201 285	905	1	0.46	27	650	28	75	0.26	99	< 10	166	30		
L10200E 4700N	201 285	620	< 1	0.31	19	740	18	67	0.19	84	< 10	122	20		
L10200E 4750N	201 285	680	1	0.58	24	760	18	81	0.26	86	< 10	140	30		
L10200E 4800N	201 285	920	1	0.83	30	480	18	98	0.34	100	< 10	122	40		
L10200E 4850N	201 285	740	< 1	0.64	24	660	18	80	0.28	91	< 10	114	30		
L10200E 4900N	201 285	615	< 1	0.86	25	450	12	107	0.32	89	< 10	78	40		
L10200E 4950N	201 285	570	< 1	0.85	22	460	10	109	0.33	86	< 10	74	50		
L10200E 5000N	201 285	580	1	0.92	21	500	10	106	0.38	81	< 10	68	60		
L10200E 5050N	201 285	740	1	0.86	21	410	16	77	0.26	87	< 10	82	40		
L10200E 5100N	201 285	545	< 1	0.92	26	570	14	79	0.25	91	< 10	98	30		
L10200E 5150N	201 285	590	< 1	1.17	29	310	16	95	0.40	99	< 10	84	50		
L10200E 5200N	201 285	615	3	1.24	35	600	20	86	0.44	105	< 10	100	60		
L10600E 4350N	201 285	820	1	0.55	27	610	32	71	0.27	110	< 10	152	30		
L10600E 4400N	201 285	640	< 1	0.53	23	620	24	75	0.21	88	< 10	116	< 10		
L10600E 4450N	201 285	545	1	0.62	30	790	24	74	0.23	96	< 10	360	30		
L10600E 4500N	201 285	1330	< 1	0.46	26	930	22	66	0.20	91	< 10	338	20		
L10600E 4550N	201 285	790	1	0.66	31	550	32	75	0.29	112	< 10	256	30		
L10600E 4600N	201 285	560	< 1	0.50	30	620	24	69	0.22	91	< 10	184	30		
L10600E 4650N	201 285	665	< 1	0.47	22	810	22	61	0.22	97	< 10	170	10		
L10600E 4700N	201 285	940	2	0.51	25	750	30	76	0.26	113	< 10	350	20		
L10600E 4750N	201 285	860	< 1	0.64	37	750	22	74	0.28	100	< 10	138	60		
L10600E 4800N	201 285	785	1	0.66	34	690	28	89	0.28	103	< 10	138	30		
L10600E 4850N	201 285	865	< 1	0.92	33	380	20	83	0.30	92	< 10	118	40		
L10600E 4900N	201 285	710	1	0.74	27	390	28	81	0.31	107	< 10	132	30		
L10600E 4950N	201 285	220	< 1	0.96	22	660	20	96	0.27	90	< 10	94	40		
L10600E 5000N	201 285	655	1	0.75	26	710	18	76	0.21	85	< 10	112	30		
L10600E 5050N	201 285	935	1	0.75	27	470	26	73	0.25	97	< 10	104	30		
L10600E 5100N	201 285	880	< 1	1.07	28	630	16	88	0.29	85	< 10	90	40		
L10600E 5200N	201 285	640	< 1	0.33	13	790	12	52	0.12	46	< 10	44	< 10		

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Certificate Date: 02-AUG-93
Invoice No. :19317864
P.O. Number :
Account :BM W

Project : BON-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317864

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)
L10600E 5250N	201	285	< 5	< 0.5	7.29	610	1.5	2	0.55	< 0.5	9	77	38	3.10	2.01	0.79
L10600E 5300N	201	285	< 5	< 0.5	6.97	530	1.5	< 2	0.53	< 0.5	21	88	33	3.73	1.76	0.98
L10600E 5350N	201	285	< 5	< 0.5	6.59	320	1.0	< 2	0.37	< 0.5	30	82	23	3.52	1.15	1.10
L10600E 5400N	201	285	< 5	< 0.5	7.39	430	2.0	4	0.47	< 0.5	45	99	33	4.74	1.32	1.25
L10600E 5450N	201	285	< 5	< 0.5	6.16	380	1.0	< 2	0.47	< 0.5	45	89	25	4.47	0.99	1.17
L11000E 4350N	201	285	< 5	< 0.5	5.06	500	0.5	< 2	3.54	0.5	8	67	39	2.78	1.72	2.31
L11000E 4400N	201	285	< 5	< 0.5	5.38	550	0.5	< 2	1.63	< 0.5	9	71	47	2.57	1.74	0.91
L11000E 4450N	201	285	< 5	< 0.5	4.87	530	0.5	< 2	3.40	< 0.5	10	65	48	2.71	1.67	2.08
L11000E 4500N	201	285	< 5	< 0.5	5.58	590	0.5	< 2	2.49	< 0.5	12	74	73	3.31	1.78	1.40
L11000E 4550N	201	285	< 5	< 0.5	5.90	560	0.5	< 2	1.95	< 0.5	19	110	51	4.08	1.83	1.56
L11000E 4600N	201	285	< 5	< 0.5	6.13	640	1.5	6	1.49	< 0.5	23	84	56	3.85	1.90	1.04
L11000E 4650N	201	285	< 5	< 0.5	7.02	640	1.5	< 2	0.79	< 0.5	25	81	37	2.85	1.98	0.99
L11000E 4700N	201	285	< 5	< 0.5	6.37	610	1.5	< 2	0.93	< 0.5	27	68	27	3.02	1.91	0.92
L11000E 4750N	201	285	< 5	< 0.5	6.71	620	1.5	< 2	0.94	0.5	41	79	29	3.45	1.89	0.98
L11000E 4800N	201	285	< 5	< 0.5	6.70	640	1.0	< 2	1.11	< 0.5	14	77	29	2.92	2.03	0.96
L11000E 4850N	201	285	< 5	< 0.5	5.94	580	1.0	2	1.36	< 0.5	19	73	30	2.83	1.79	0.98
L11000E 4900N	201	285	< 5	< 0.5	6.18	600	1.5	< 2	1.42	< 0.5	23	74	32	3.05	1.84	1.01
L11000E 4950N	201	285	< 5	< 0.5	5.68	570	1.0	< 2	1.49	< 0.5	21	68	30	2.85	1.63	0.93
L11000E 5000N	201	285	< 5	< 0.5	6.44	630	1.5	6	0.92	< 0.5	31	78	30	3.18	1.90	0.93
L11000E 5050N	201	285	< 5	< 0.5	5.62	610	1.0	4	1.49	< 0.5	25	71	27	2.68	1.59	0.84
L11000E 5100N	201	285	< 5	< 0.5	7.28	650	2.0	6	0.84	0.5	42	72	26	3.56	1.89	0.99
L11000E 5150N	201	285	< 5	< 0.5	8.81	640	2.5	2	0.44	< 0.5	56	96	23	3.96	2.30	1.27
L11000E 5200N	201	285	< 5	< 0.5	6.91	540	2.0	2	1.42	< 0.5	57	90	45	2.92	1.98	1.09
L11000E 5250N	201	285	< 5	< 0.5	7.68	570	2.5	6	0.57	< 0.5	43	99	31	4.16	1.70	1.05
L11000E 5300N	201	285	< 5	< 0.5	7.72	580	2.5	6	0.60	< 0.5	54	98	38	4.08	1.84	1.02
L11000E 5350N	201	285	< 5	< 0.5	6.70	560	2.0	8	0.71	< 0.5	66	83	41	4.31	1.64	0.83
L11400E 4350N	201	285	< 5	< 0.5	4.60	560	0.5	< 2	3.86	< 0.5	8	61	36	2.59	1.59	2.03
L11400E 4400N	201	285	< 5	< 0.5	4.35	520	0.5	< 2	5.44	0.5	6	62	33	2.44	1.55	3.04
L11400E 4450N	201	285	< 5	< 0.5	4.91	570	0.1	< 2	2.47	< 0.5	10	65	37	2.60	1.62	1.24
L11400E 4500N	201	285	< 5	< 0.5	4.69	510	0.5	< 2	4.36	0.5	6	63	31	2.51	1.73	2.82
L11400E 4550N	201	285	< 5	< 0.5	5.83	560	1.0	< 2	2.12	< 0.5	12	73	30	2.77	1.84	1.17
L11400E 4600N	201	285	< 5	< 0.5	5.23	530	0.5	2	1.75	< 0.5	11	68	42	2.37	1.70	0.83
L11400E 4650N	201	285	< 5	< 0.5	5.76	560	0.5	2	1.58	< 0.5	12	73	35	2.55	1.70	0.70
L11400E 4700N	201	285	< 5	< 0.5	4.20	470	0.5	< 2	2.15	< 0.5	7	58	28	2.26	1.46	0.95
L11400E 4750N	201	285	< 5	< 0.5	3.77	360	0.5	< 2	1.79	< 0.5	7	50	24	1.87	1.24	0.73
L11400E 4800N	201	285	< 5	< 0.5	6.44	630	1.0	< 2	1.25	< 0.5	15	73	33	2.77	1.90	0.97
L11400E 4850N	201	285	< 5	< 0.5	6.24	630	1.5	< 2	1.44	< 0.5	15	71	36	2.82	1.92	0.98
L11400E 4900N	201	285	< 5	< 0.5	6.94	640	1.5	< 2	1.24	< 0.5	15	77	34	2.69	2.07	0.97
L11400E 4950N	201	285	< 5	< 0.5	7.25	570	1.5	4	0.60	0.5	15	78	26	2.91	2.00	0.88
L11400E 5000N	201	285	< 5	< 0.5	7.96	640	2.0	2	0.64	< 0.5	16	85	23	2.74	2.36	0.89

CERTIFICATION: Ivan A Bachlau

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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CERTIFICATE OF ANALYSIS A9317864

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		
L10600E 5250N	201	285	480	< 1	1.02	20	280	16	70	0.31	95	< 10	84	40		
L10600E 5300N	201	285	1460	2	1.44	33	650	12	91	0.47	86	< 10	62	70		
L10600E 5350N	201	285	1915	1	2.02	29	900	14	47	0.30	80	< 10	74	50		
L10600E 5400N	201	285	1600	< 1	1.73	38	650	18	76	0.39	104	< 10	84	60		
L10600E 5450N	201	285	1340	< 1	1.18	27	1090	18	79	0.31	96	< 10	66	40		
L11000E 4350N	201	285	590	< 1	0.57	23	700	22	66	0.24	95	< 10	138	20		
L11000E 4400N	201	285	400	< 1	0.56	24	720	20	67	0.25	96	< 10	120	30		
L11000E 4450N	201	285	635	1	0.53	25	760	22	65	0.23	95	< 10	152	20		
L11000E 4500N	201	285	665	1	0.54	32	700	24	69	0.25	97	< 10	182	30		
L11000E 4550N	201	285	1025	< 1	0.95	40	510	16	84	0.35	97	< 10	130	40		
L11000E 4600N	201	285	1425	1	0.75	41	650	22	75	0.27	106	< 10	168	40		
L11000E 4650N	201	285	290	< 1	0.84	36	660	22	70	0.23	97	< 10	130	40		
L11000E 4700N	201	285	830	1	0.78	31	570	18	70	0.24	94	< 10	112	40		
L11000E 4750N	201	285	775	< 1	0.81	34	590	18	69	0.23	94	< 10	120	40		
L11000E 4800N	201	285	450	< 1	0.75	25	510	22	71	0.23	97	< 10	114	30		
L11000E 4850N	201	285	585	< 1	0.70	30	690	18	70	0.22	90	< 10	130	30		
L11000E 4900N	201	285	565	< 1	0.74	35	570	22	71	0.23	95	< 10	110	30		
L11000E 4950N	201	285	570	1	0.69	29	620	20	69	0.22	89	< 10	90	30		
L11000E 5000N	201	285	695	1	0.77	34	690	20	70	0.25	98	< 10	116	40		
L11000E 5050N	201	285	885	1	0.66	29	690	18	69	0.21	87	< 10	98	30		
L11000E 5100N	201	285	630	< 1	0.84	40	570	24	70	0.23	102	< 10	140	40		
L11000E 5150N	201	285	595	3	1.13	39	490	22	59	0.28	104	< 10	92	60		
L11000E 5200N	201	285	810	3	0.62	49	990	16	46	0.13	78	< 10	88	30		
L11000E 5250N	201	285	1335	6	1.99	39	940	26	82	0.40	110	< 10	112	70		
L11000E 5300N	201	285	1165	5	1.62	40	970	26	73	0.38	105	< 10	118	60		
L11000E 5350N	201	285	1530	3	0.96	50	1170	26	76	0.31	114	< 10	144	40		
L11400E 4350N	201	285	735	1	0.46	21	680	24	73	0.23	97	< 10	152	10		
L11400E 4400N	201	285	605	< 1	0.44	22	770	24	69	0.21	97	< 10	142	< 10		
L11400E 4450N	201	285	700	< 1	0.51	22	680	24	65	0.21	95	< 10	142	20		
L11400E 4500N	201	285	580	1	0.55	21	750	22	65	0.21	96	< 10	156	< 10		
L11400E 4550N	201	285	690	< 1	0.71	22	520	20	64	0.29	94	< 10	120	30		
L11400E 4600N	201	285	820	1	0.59	23	710	18	62	0.20	84	< 10	134	30		
L11400E 4650N	201	285	575	2	0.65	18	460	18	67	0.25	92	< 10	70	40		
L11400E 4700N	201	285	550	< 1	0.43	20	720	20	60	0.20	87	< 10	116	20		
L11400E 4750N	201	285	350	1	0.40	16	990	14	54	0.18	72	< 10	64	20		
L11400E 4800N	201	285	660	1	0.76	23	710	16	69	0.21	86	< 10	106	30		
L11400E 4850N	201	285	705	1	0.85	24	700	14	80	0.24	81	< 10	106	30		
L11400E 4900N	201	285	560	< 1	0.81	22	640	14	62	0.23	81	< 10	84	30		
L11400E 4950N	201	285	465	< 1	0.81	20	420	20	57	0.27	96	< 10	76	40		
L11400E 5000N	201	285	550	< 1	0.92	21	630	12	54	0.25	83	< 10	70	50		

CERTIFICATION: Stan H Beadle

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: 02-AUG-93
Invoice No. :I9317864
P.O. Number :
Account :BM W

Project : BON-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317864

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)
L11400E 5050N	201	285	< 5	< 0.2	9.75	810	1.5	2	0.79	< 0.5	25	102	32	3.49	2.72	1.32
L11400E 5100N	201	285	< 5	< 0.2	8.59	710	1.5	< 2	0.72	< 0.5	31	91	32	3.50	2.42	1.19
L11400E 5150N	201	285	< 5	< 0.2	8.06	610	1.5	< 2	0.70	< 0.5	49	85	38	3.65	2.17	1.15
L11400E 5200N	201	285	< 5	< 0.2	5.59	470	1.0	< 2	1.26	< 0.5	19	69	24	2.65	1.68	0.83
L11400E 5250N	201	285	< 5	< 0.2	7.95	640	1.5	< 2	0.63	< 0.5	35	88	36	4.34	2.25	1.18
L11400E 5300N	201	285	< 5	< 0.2	3.56	280	0.5	< 2	0.26	< 0.5	8	48	28	1.96	1.08	0.43
L11400E 5350N	201	285	< 5	< 0.2	7.96	480	1.5	< 2	0.21	< 0.5	38	86	22	4.46	2.07	1.37
L11400E 5400N	201	285	< 5	< 0.2	8.05	690	2.0	< 2	0.42	< 0.5	26	88	52	3.45	2.52	0.82
L11400E 5400NA	201	285	< 5	< 0.2	7.82	730	2.0	< 2	0.53	< 0.5	29	75	61	3.77	2.14	0.89
L11400E 5450N	201	285	< 5	< 0.2	7.06	680	1.5	< 2	0.77	< 0.5	31	69	125	3.54	2.14	0.98
L11800E 4400N	201	285	< 5	< 0.2	5.00	560	0.5	< 2	2.86	0.5	10	51	45	2.82	1.84	1.47
L11800E 4450N	201	285	< 5	< 0.2	5.54	560	1.5	< 2	1.88	< 0.5	12	60	46	3.10	1.92	1.16
L11800E 4500N	201	285	< 5	< 0.2	5.47	550	1.0	< 2	1.70	< 0.5	14	60	47	3.16	1.92	0.96
L11800E 4550N	201	285	< 5	< 0.2	4.78	480	1.5	< 2	4.11	< 0.5	8	52	41	2.64	1.88	2.61
L11800E 4600N	201	285	< 5	< 0.2	5.44	530	1.0	< 2	1.90	< 0.5	14	59	55	3.19	1.80	1.14
L11800E 4650N	201	285	< 5	< 0.2	5.63	550	1.0	< 2	1.97	0.5	19	70	56	3.46	1.85	1.15
L11800E 4700N	201	285	< 5	< 0.2	6.02	540	1.5	< 2	1.75	< 0.5	19	100	63	4.20	1.85	1.49
L11800E 4750N	201	285	< 5	< 0.2	5.44	520	1.0	< 2	1.80	< 0.5	17	60	73	3.25	1.82	1.03
L11800E 4800N	201	285	< 5	< 0.2	6.39	560	1.5	< 2	1.40	< 0.5	22	84	45	3.89	2.06	1.38
L11800E 4850N	201	285	< 5	< 0.2	3.45	380	0.5	6	3.16	< 0.5	10	38	37	2.00	1.03	0.75
L11800E 4900N	201	285	< 5	< 0.2	4.65	500	< 0.5	< 2	2.46	< 0.5	18	46	55	2.66	1.41	0.94
L11800E 4950N	201	285	< 5	< 0.2	5.72	580	< 0.5	< 2	1.96	< 0.5	17	53	59	3.05	1.76	1.01
L11800E 5000N	201	285	< 5	< 0.2	4.60	460	< 0.5	< 2	1.92	< 0.5	12	47	41	2.50	1.35	0.79
L11800E 5050N	201	285	< 5	< 0.2	4.64	460	< 0.5	< 2	2.23	< 0.5	11	44	43	2.43	1.39	0.76
L11800E 5100N	201	285	< 5	< 0.2	7.00	630	0.5	< 2	1.04	< 0.5	22	66	43	3.34	1.92	0.86
L11800E 5150N	201	285	< 5	< 0.2	6.53	560	0.5	< 2	0.75	0.5	16	61	52	4.01	1.77	0.67
L11800E 5200N	201	285	< 5	< 0.2	5.53	590	0.5	< 2	1.32	< 0.5	18	61	44	2.84	1.59	0.70
L11800E 5250N	201	285	< 5	0.2	6.34	680	1.0	< 2	0.92	0.5	27	59	52	3.78	1.69	0.79
L11800E 5300N	201	285	< 5	< 0.2	7.24	650	< 0.5	2	0.62	< 0.5	33	67	35	4.78	1.78	0.76
L11800E 5350N	201	285	< 5	< 0.2	4.11	590	0.5	< 2	1.62	< 0.5	14	38	27	2.22	1.14	0.60
L11800E 5400N	201	285	< 5	< 0.2	6.91	450	0.5	< 2	0.39	< 0.5	16	68	25	6.21	1.26	0.67
L11800E 5450N	201	285	< 5	0.4	7.34	420	< 0.5	< 2	0.38	< 0.5	17	67	28	7.87	1.23	0.76

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Page Number :5-B
Total Pages :5
Certificate Date: 02-AUG-93
Invoice No. :19317864
P.O. Number :
Account :BM W

Project : BON-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317864

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		
L11400E 5050N	201 285	815	4	0.99	26	920	12	62	0.21	102	< 10	92	40		
L11400E 5100N	201 285	830	5	0.90	25	910	16	57	0.19	90	< 10	76	40		
L11400E 5150N	201 285	580	3	0.96	39	940	18	66	0.20	85	< 10	86	60		
L11400E 5200N	201 285	695	2	0.64	20	910	14	55	0.21	71	< 10	66	40		
L11400E 5250N	201 285	1030	4	1.14	29	1420	24	64	0.32	100	< 10	116	70		
L11400E 5300N	201 285	365	1	0.49	16	1410	12	32	0.14	50	< 10	54	20		
L11400E 5350N	201 285	1020	8	1.08	28	1300	20	49	0.25	87	< 10	80	60		
L11400E 5400N	201 285	520	3	0.83	31	510	22	76	0.30	103	< 10	112	40		
L11400E 5400NA	201 285	540	< 1	1.01	35	500	26	109	0.32	109	< 10	114	50		
L11400E 5450N	201 285	1225	2	1.07	52	970	18	101	0.22	83	< 10	288	90		
L11800E 4400N	201 285	735	1	0.55	24	750	22	71	0.21	92	< 10	154	20		
L11800E 4450N	201 285	600	1	0.72	28	680	18	75	0.24	88	< 10	152	30		
L11800E 4500N	201 285	840	< 1	0.74	27	680	18	73	0.22	90	< 10	152	30		
L11800E 4550N	201 285	650	1	0.54	23	780	22	66	0.21	96	< 10	152	10		
L11800E 4600N	201 285	770	1	0.67	30	740	16	72	0.23	95	< 10	146	30		
L11800E 4650N	201 285	970	< 1	0.82	35	730	18	80	0.26	93	< 10	156	30		
L11800E 4700N	201 285	1115	1	0.99	51	620	18	87	0.33	103	< 10	136	40		
L11800E 4750N	201 285	820	1	0.74	34	860	22	74	0.22	88	< 10	148	30		
L11800E 4800N	201 285	920	1	1.02	42	860	20	89	0.32	103	< 10	164	40		
L11800E 4850N	201 285	605	< 1	0.30	17	810	16	59	0.14	66	< 10	112	10		
L11800E 4900N	201 285	700	1	0.48	25	690	20	71	0.18	77	< 10	150	30		
L11800E 4950N	201 285	1025	1	0.74	28	790	20	80	0.22	84	< 10	124	30		
L11800E 5000N	201 285	915	< 1	0.54	21	710	16	66	0.18	72	< 10	84	20		
L11800E 5050N	201 285	730	1	0.53	19	810	18	69	0.17	72	< 10	94	20		
L11800E 5100N	201 285	1205	3	1.02	27	700	28	87	0.25	93	< 10	124	30		
L11800E 5150N	201 285	1255	2	0.78	27	590	38	73	0.24	112	< 10	86	40		
L11800E 5200N	201 285	2050	3	0.76	28	910	22	71	0.23	83	< 10	90	30		
L11800E 5250N	201 285	2310	3	0.90	26	750	36	86	0.26	99	< 10	140	30		
L11800E 5300N	201 285	1830	6	1.51	26	1140	32	82	0.33	113	< 10	186	40		
L11800E 5350N	201 285	2010	3	0.69	17	1310	18	67	0.18	71	< 10	142	20		
L11800E 5400N	201 285	640	3	2.03	18	1220	48	78	0.27	102	< 10	94	30		
L11800E 5450N	201 285	760	10	1.98	25	1690	122	80	0.24	90	< 10	114	30		

CERTIFICATION: Ian Bickler

APPENDIX F

STATISTICAL ANALYSIS

INTEROFFICE MEMO

DATE : JAN 25/1994

COPIES TO:

FROM : S. DYKES

TO : PROJECT FILE

SUBJECT : 1993 FAIRCHILD PROJECT STATISTICS.

Statistic tables for all rock and soil sample data have been completed. Data includes all samples taken during the 1992 and 1993 field programs. Four tables for each sample type have been produced. In addition data has been sorted according to property.

TABLE 1 Consists of all samples that are above detection limit. Length weighting is not used as all samples are considered to be the same length.

TABLE 2 Consists of all samples including those below detection limit. Samples below the detection limit are assigned a value equal to 1/2 the detection limit. Length weighting is not used as all samples are considered to be the same length.

TABLE 3 Consists of log transformed data of all samples that are above detection limit. Length weighting is not used as all samples are considered to be the same length.

TABLE 4 Consists of log transformed data of all samples including those below detection limit. Samples detection limit are assigned a value equal to 1/2 the detection limit. Length weighting is not used as all samples are considered to be the same length.

THRESHOLDS USED ON MAPS.

Thresholds for colouring samples on the various geochemical maps were established using the log transformed statistics of samples that are above detection limit. Samples below detection limit were ignored. Values for the 5, 15, 50, 84 and 95 percentile from the cummulative probability diagram were used. Some rounding of values was done in order to make thresholds realistic. In the case of copper values only the geochemical copper (CuG) was used for the thresholds, assay copper (CuA) was ignored as all assay values were deemed to be extremely anomalous.

Respectfully submitted

Shaun M. Dykes

Shaun M. Dykes
Project Geologist

TABLE #1

Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted | Detection Limit Samples Ignored | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93NORM

		ALL DATA			1249	ROCK TYPE -> HOOV			468	ROCK TYPE -> EAGL			152
	Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	56.29	126.44	193.5	171	73.94	148.03	271.25	85	34.00	26.53	89.38	5
AG	PPM	0.55	0.49	1.59	104	0	0	0	0	0.52	0.36	1.55	16
AL	%	6.35	1.4	8.43	1249	6.48	1.28	8.43	468	8.05	1.47	11.06	152
BA	PPM	719.01	560.11	1312.84	1249	658.37	152.25	892.46	468	860.07	446.54	1740.00	152
BE	PPM	1.55	1.01	3.4	981	1.43	0.9	3.3	187	1.98	1.29	4.41	144
BI	PPM	5.33	7.43	9.98	526	10.44	16.1	38	90	3.71	2.35	8.35	89
CA	%	1.74	4.09	4.46	1249	1.78	1.53	4.96	468	1.79	10.94	2.47	152
CD	PPM	0.58	0.25	1.02	205	0.56	0.17	0.95	24	0.64	0.22	1.01	11
CO	PPM	24.24	36.67	58.97	1246	20.91	28.41	39.43	466	19.42	13.10	50.40	152
CR	PPM	71.37	17.62	96.22	1249	64.99	10.38	79.35	468	76.53	17.63	107.35	152
CUG	PPM	195.97	654.93	745.39	1248	82.59	256.62	190.95	468	158.15	377.91	559.55	151
CUA	%	1.86	0.24	2.15	2	1.86	0.24	2.15	2	0.00	0.00	0.00	0
FE	%	3.83	1.27	6.14	1249	3.74	1.06	5.06	468	4.03	0.86	5.38	152
K	%	1.93	0.49	2.79	1249	1.95	0.5	2.86	468	2.26	0.49	3.13	152
MG	%	1.17	0.81	2.62	1249	1.26	0.78	3.08	468	1.14	0.33	1.77	152
MN	PPM	1411.43	1151.75	3559.16	1249	1085.65	374.91	1717.6	468	1389.97	709.64	2693.33	152
MO	PPM	2.45	2.38	6.91	787	2.44	2.18	5.88	429	1.83	1.12	4.09	89
NA	%	0.91	0.56	2.03	1249	1.04	0.7	2.84	468	1.75	0.84	3.38	152
NI	PPM	32.24	18.31	56.27	1249	29.35	11.87	41.16	468	30.74	7.95	47.01	152
P	PPM	767.36	370.42	1227.73	1249	705.34	192.25	1024.74	468	782.96	252.13	1242.29	152
PB	PPM	23.03	24.35	41.67	1225	21.12	10.11	45.35	467	25.81	65.09	57.61	135
SR	PPM	83.07	33.91	143.62	1249	112.58	42.24	188.7	468	111.98	42.29	189.98	152
TI	%	0.25	0.08	0.37	1249	0.24	0.08	0.36	468	0.27	0.07	0.37	152
V	PPM	90.6	22.05	120.95	1249	90.5	20.35	124.28	468	90.52	24.42	117.92	152
W	PPM	10.38	2.49	10.36	79	10	0	10	14	0.00	0.00	0.00	0
ZN	PPM	133.51	117.22	315.12	1249	135.13	68.52	267.75	468	105.78	101.41	285.00	152
LA	PPM	45.96	42.06	86.18	1191	40.62	22.12	69.43	442	74.93	86.63	288.00	152
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		1.52	0.52	2.28	321	1.49	0.54	2.49	36	1.40	0.52	2.24	129
CCR		0.78	3.94	1.94	1245	1.39	6.49	4.88	466	0.56	0.84	1.74	151
FTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
PTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
LTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
WMT		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

::

Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93NORM

		ROCK TYPE -> FAIR			199	ROCK TYPE -> PLUM			134	ROCK TYPE -> SLAB			107
	element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	12.5	6.2	24.98	14	15.71	12.94	43.95	7	14.35	6.81	25.28	23
AG	PPM	0.32	0.13	0.61	10	0.66	0.68	2.3	13	0.44	0.22	0.99	39
AL	%	5.84	1.02	7	199	6.66	1.5	9.58	134	5.99	1.28	7.95	107
BA	PPM	561.26	126.54	741.56	199	673.73	148.41	945.56	134	732.24	424.68	1565.00	107
BE	PPM	1.61	0.71	2.86	152	1.29	0.71	2.81	96	1.53	1.00	3.45	104
BI	PPM	3.88	1.92	7.71	67	4	2.05	7.82	84	3.31	1.88	7.73	49
CA	%	1.62	1.32	4.21	199	1.6	1.07	3.79	134	1.65	0.69	2.82	107
CD	PPM	0.6	0.27	1.35	15	0.54	0.22	0.55	50	0.73	0.46	1.48	24
CO	PPM	16.71	36.39	32.05	199	17.02	5.53	27.75	134	26.45	12.76	48.65	107
CR	PPM	70.75	21.93	81.35	199	63.16	10.24	77.91	134	68.15	19.25	95.90	107
CUG	PPM	63.67	86.19	220.5	199	68.11	47.36	154.33	134	140.62	119.00	406.50	107
CUA	%	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE	%	3.59	0.98	5.41	199	3.7	0.81	4.94	134	4.03	1.17	5.50	107
K	%	1.83	0.49	2.65	199	1.89	0.42	2.55	134	1.95	0.59	3.08	107
MG	%	1.14	0.74	2.9	199	1.23	0.53	2.37	134	0.95	0.29	1.29	107
MN	PPM	1371.11	1442.58	4905.83	199	1090.07	573.46	2047.5	134	1870.79	861.55	3465.00	107
MO	PPM	1.49	0.72	2.89	61	1.53	1.17	3.96	36	2.10	1.29	4.85	97
NA	%	0.74	0.47	1.64	199	0.96	0.43	1.39	134	0.85	0.49	1.91	107
NI	PPM	25.61	11.25	45.15	199	28.81	7.24	43.67	134	34.98	13.93	55.39	107
P	PPM	618.84	227.85	1023.09	199	675	187.22	1007.25	134	877.57	236.61	1175.47	107
PB	PPM	23.3	8.38	37.37	197	20.99	8.51	33.59	134	29.19	15.69	53.07	104
SR	PPM	65.49	14.11	86.01	199	108.94	40.28	189.54	134	72.27	18.76	102.20	107
TI	%	0.26	0.08	0.35	199	0.27	0.07	0.38	134	0.21	0.08	0.33	107
V	PPM	97.03	33.12	139.67	199	96.72	21.01	127.79	134	77.96	16.77	106.61	107
W	PPM	10.46	2.73	10.45	65	0	0	0	0	0.00	0.00	0.00	0
ZN	PPM	111.22	41.52	186.47	199	133.57	65.37	264.75	134	248.04	280.59	691.83	107
LA	PPM	31.72	11.28	50.74	186	42	17.65	71.63	130	42.43	17.71	77.23	107
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		1.34	0.46	2.02	23	1.7	0.41	2.29	44	1.72	0.54	2.71	28
CCR		0.42	0.32	1.04	199	0.41	0.29	0.96	134	0.52	0.28	1.10	107
FTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
PTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
LTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
WMT		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93NORM

element	ROCK TYPE -> OLYM 40				0.00 0				0.000 0			
	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU ppb	78.44	151.02	536	32	0	0	0	0	0.00	0.00	0.00	0
AG PPM	0.77	0.76	2.4	20	0	0	0	0	0.00	0.00	0.00	0
AL %	4.52	1.23	6.12	40	0	0	0	0	0.00	0.00	0.00	0
BA PPM	2831.25	1762.96	6075	40	0	0	0	0	0.00	0.00	0.00	0
BE PPM	1	1	0.99	1	0	0	0	0	0.00	0.00	0.00	0
BI PPM	2.92	1.69	7.74	13	0	0	0	0	0.00	0.00	0.00	0
CA %	3.69	3.96	13	40	0	0	0	0	0.00	0.00	0.00	0
CD PPM	0.72	0.3	1.43	18	0	0	0	0	0.00	0.00	0.00	0
CO PPM	58.05	37.54	128.49	39	0	0	0	0	0.00	0.00	0.00	0
CR PPM	44.58	11.99	59.58	40	0	0	0	0	0.00	0.00	0.00	0
CUG PPM	585.72	1415.03	980	40	0	0	0	0	0.00	0.00	0.00	0
CUA %	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE %	7.75	1.48	10.02	40	0	0	0	0	0.00	0.00	0.00	0
K %	2.34	0.68	3.29	40	0	0	0	0	0.00	0.00	0.00	0
MG %	2.38	2.48	7.8	40	0	0	0	0	0.00	0.00	0.00	0
MN PPM	4815.5	1991.12	8500	40	0	0	0	0	0.00	0.00	0.00	0
MO PPM	8.11	4.25	13.25	35	0	0	0	0	0.00	0.00	0.00	0
NA %	0.23	0.12	0.49	40	0	0	0	0	0.00	0.00	0.00	0
NI PPM	39.92	15.01	66	40	0	0	0	0	0.00	0.00	0.00	0
P PPM	1187	365	1727	40	0	0	0	0	0.00	0.00	0.00	0
PB PPM	38.77	28.86	84.35	39	0	0	0	0	0.00	0.00	0.00	0
SR PPM	67.57	52.39	112.5	40	0	0	0	0	0.00	0.00	0.00	0
TI %	0.15	0.06	0.28	40	0	0	0	0	0.00	0.00	0.00	0
V PPM	84.8	20.31	124.8	40	0	0	0	0	0.00	0.00	0.00	0
W PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
ZN PPM	75.55	38.88	152	40	0	0	0	0	0.00	0.00	0.00	0
LA PPM	35.17	10.04	48.96	29	0	0	0	0	0.00	0.00	0.00	0
U PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
CCR	1.08	2.5	2.11	39	0	0	0	0	0.00	0.00	0.00	0
FTR	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
PTR	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
LTR	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
WMT	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #2

Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93HALF

	Element	ALL DATA mean	stand. Dev.	95 %	1249 Samples	ROCK TYPE -> HOOV mean	stand. Dev.	95 %	268 Samples	ROCK TYPE -> EAGL mean	stand. Dev.	95 %	152 Samples
AU	ppb	9.87	50.32	28.02	1248	25.16	89.75	103	268	3.54	7.40	3.96	152
AG	PPM	0.14	0.19	0.37	1249	0.1	0	0.1	268	0.14	0.18	0.39	152
AL	%	6.35	1.4	8.43	1249	6.17	1.1	7.99	268	8.05	1.47	11.06	152
BA	PPM	719.01	560.11	1312.84	1249	628.02	230.38	1096.02	268	860.07	446.54	1740.00	152
BE	PPM	1.27	1.04	3	1249	1.07	0.93	2.94	268	1.88	1.31	4.41	152
BI	PPM	2.83	5.27	8.71	1249	4.17	10.34	12.3	268	2.59	2.24	7.92	152
CA	%	1.74	4.09	4.46	1249	2.21	2.01	7.22	268	1.79	10.94	2.47	152
CD	PPM	0.3	0.16	0.51	1249	0.28	0.1	0.49	268	0.28	0.12	0.49	152
CO	PPM	24.19	36.64	58.91	1249	38.76	64.8	99	268	19.42	13.10	50.40	152
CR	PPM	71.37	17.62	96.22	1249	76.26	16.92	112.43	268	76.53	17.63	107.35	152
CUG	PPM	195.81	654.69	744.81	1249	538.12	1188.78	2060	268	157.11	376.88	558.60	152
CUA	%	1.86	0.24	2.15	2	1.86	0.24	2.15	2	0.00	0.00	0.00	0
FE	%	3.83	1.27	6.14	1249	3.96	1.31	5.69	268	4.03	0.86	5.38	152
K	%	1.93	0.49	2.79	1249	1.91	0.51	2.83	268	2.26	0.49	3.13	152
MG	%	1.17	0.81	2.62	1249	1.33	1.01	4.38	268	1.14	0.33	1.77	152
MN	PPM	1411.43	1151.75	3559.16	1249	1608.66	880.66	3140	268	1389.97	709.64	2693.33	152
MO	PPM	1.73	2.11	5.57	1249	2.67	2.52	6.85	268	1.28	1.08	2.99	152
NA	%	0.91	0.56	2.03	1249	0.78	0.29	1.26	268	1.75	0.84	3.38	152
NI	PPM	32.24	18.31	56.27	1249	40.42	29.48	87	268	30.74	7.95	47.01	152
P	PPM	767.36	370.42	1227.73	1249	884.96	620.19	1329	268	782.96	252.13	1242.29	152
PB	PPM	22.61	24.3	41.5	1249	17.95	9.19	34.42	268	23.03	61.84	56.45	152
SR	PPM	83.07	33.91	143.62	1249	78.54	36.62	105.6	268	111.98	42.29	189.98	152
TI	%	0.25	0.08	0.37	1249	0.23	0.07	0.36	268	0.27	0.07	0.37	152
V	PPM	90.6	22.05	120.95	1249	84.56	17.54	114.14	268	90.52	24.42	117.92	152
W	PPM	5.34	1.45	8.56	1249	5.26	1.11	7.97	268	5.00	0.00	5.00	152
ZN	PPM	133.51	117.22	315.12	1249	105.58	56.43	184.8	268	105.78	101.41	285.00	152
LA	PPM	44.06	41.97	85.02	1249	42.16	26.04	85.06	268	74.93	86.63	288.00	152
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		0.76	0.52	1.97	1249	0.63	0.39	1.69	268	1.26	0.58	2.21	152
CCR		0.78	3.93	1.94	1249	2.01	8.28	5.93	268	0.56	0.84	1.74	152
FTR		0.5	0.06	0.5	1249	0.5	0	0.5	268	0.50	0.00	0.50	152
PTR		0.5	0.07	0.5	1249	0.5	0	0.5	268	0.50	0.00	0.50	152
LTR		0.5	0.03	0.5	1249	0.5	0	0.5	268	0.50	0.00	0.50	152
WMT		0.5	0.02	0.5	1249	0.5	0	0.5	268	0.50	0.00	0.50	152

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93HALF

	element	ROCK TYPE -> BONN 417				ROCK TYPE -> FAIR 199				ROCK TYPE -> PLUM 134			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	2.57	0.79	2.56	416	3.2	3.04	9.91	199	3.19	4.17	4.15	134
AG	PPM	0.11	0.09	0.12	417	0.11	0.06	0.2	199	0.15	0.27	0.43	134
AL	%	6.29	1.16	7.8	417	5.84	1.02	7	199	6.66	1.50	9.58	134
BA	PPM	506.81	106.81	735.09	417	561.26	126.54	741.56	199	673.73	148.41	945.56	134
BE	PPM	1.31	1.07	3.35	417	1.29	0.85	2.59	199	1.00	0.76	2.54	134
BI	PPM	2.41	2.74	8.34	417	1.97	1.76	6.1	199	2.88	2.18	7.82	134
CA	%	1.6	1.56	5.18	417	1.62	1.32	4.21	199	1.60	1.07	3.79	134
CD	PPM	0.3	0.12	0.51	417	0.28	0.12	0.49	199	0.36	0.19	0.50	134
CO	PPM	18.69	10.22	33.84	417	16.71	36.39	32.05	199	17.02	5.53	27.75	134
CR	PPM	71.77	15.61	102.37	417	70.75	21.93	81.35	199	63.16	10.24	77.91	134
CUG	PPM	71.67	43.01	151.7	417	63.67	86.19	220.5	199	68.11	47.36	154.33	134
CUA	%	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE	%	3.4	0.84	4.59	417	3.59	0.98	5.41	199	3.70	0.81	4.94	134
K	%	1.84	0.31	2.35	417	1.83	0.49	2.65	199	1.89	0.42	2.55	134
MG	%	1.17	0.81	3.4	417	1.14	0.74	2.9	199	1.23	0.53	2.37	134
MN	PPM	1134.44	637.1	1939.72	417	1371.11	1442.58	4905.83	199	1090.07	573.46	2047.50	134
MO	PPM	1.43	1.38	3.14	417	0.8	0.61	2.06	199	0.78	0.76	1.91	134
NA	%	0.79	0.29	1.22	417	0.74	0.47	1.64	199	0.96	0.43	1.39	134
NI	PPM	30.98	11.94	45.04	417	25.61	11.25	45.15	199	28.81	7.24	43.67	134
P	PPM	859.42	201.14	1128.46	417	618.84	227.85	1023.09	199	675.00	187.22	1007.25	134
PB	PPM	17.63	8.73	31.6	417	23.08	8.63	37.1	199	20.99	8.51	33.59	134
SR	PPM	83.87	36.73	171.62	417	65.49	14.11	86.01	199	108.94	40.28	189.54	134
TI	%	0.26	0.06	0.38	417	0.26	0.08	0.35	199	0.27	0.07	0.38	134
V	PPM	78.93	16.13	112.56	417	97.03	33.12	139.67	199	96.72	21.01	127.79	134
W	PPM	5	0	5	417	6.78	3	10.41	199	5.00	0.00	5.00	134
ZN	PPM	94.84	50.68	162.77	417	111.22	41.52	186.47	199	133.57	65.37	264.75	134
LA	PPM	38.98	26.68	63.48	417	29.97	12.75	48.63	199	40.90	18.49	71.48	134
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		0.7	0.47	1.92	349	0.61	0.33	1.53	199	0.89	0.61	2.06	134
CCR		0.37	0.28	0.77	417	0.42	0.32	1.04	199	0.41	0.29	0.96	134
FTR		0.5	0	0.5	417	0.52	0.15	0.51	199	0.50	0.00	0.50	134
PTR		0.5	0	0.5	417	0.52	0.17	0.51	199	0.50	0.00	0.50	134
LTR		0.5	0	0.5	417	0.51	0.08	0.51	199	0.50	0.00	0.50	134
WMT		0.5	0	0.5	417	0.5	0.04	0.51	199	0.50	0.00	0.50	134

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93HALF

		ROCK TYPE -> SLAB			107	ROCK TYPE -> OLYM			40	0.000			0
element		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	5.05	5.8	19.74	107	63.25	138.45	105	40	0.00	0.00	0.00	0
AG	PPM	0.22	0.21	0.6	107	0.44	0.63	2.1	40	0.00	0.00	0.00	0
AL	%	5.99	1.28	7.95	107	4.52	1.23	6.12	40	0.00	0.00	0.00	0
BA	PPM	732.24	424.68	1565	107	2831.25	1762.96	6075	40	0.00	0.00	0.00	0
BE	PPM	1.49	1.01	3.41	107	0.27	0.12	0.27	40	0.00	0.00	0.00	0
BI	PPM	2.06	1.71	6.15	107	1.63	1.32	4.08	40	0.00	0.00	0.00	0
CA	%	1.65	0.69	2.82	107	3.69	3.96	13	40	0.00	0.00	0.00	0
CD	PPM	0.36	0.29	1	107	0.46	0.31	1.04	40	0.00	0.00	0.00	0
CO	PPM	26.45	12.76	48.65	107	56.61	38.14	128.25	40	0.00	0.00	0.00	0
CR	PPM	68.15	19.25	95.9	107	44.58	11.99	59.58	40	0.00	0.00	0.00	0
CUG	PPM	140.62	119	406.5	107	585.72	1415.03	980	40	0.00	0.00	0.00	0
CUA	%	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE	%	4.03	1.17	5.5	107	7.75	1.48	10.02	40	0.00	0.00	0.00	0
K	%	1.95	0.59	3.08	107	2.34	0.68	3.29	40	0.00	0.00	0.00	0
MG	%	0.95	0.29	1.29	107	2.38	2.48	7.8	40	0.00	0.00	0.00	0
MN	PPM	1870.79	861.55	3465	107	4815.5	1991.12	8500	40	0.00	0.00	0.00	0
MO	PPM	1.95	1.31	4.17	107	7.16	4.7	13	40	0.00	0.00	0.00	0
NA	%	0.85	0.49	1.91	107	0.23	0.12	0.49	40	0.00	0.00	0.00	0
NI	PPM	34.98	13.93	55.39	107	39.92	15.01	66	40	0.00	0.00	0.00	0
P	PPM	877.57	236.61	1175.47	107	1187	365	1727	40	0.00	0.00	0.00	0
PB	PPM	28.4	16.15	52.87	107	37.83	29.1	82.5	40	0.00	0.00	0.00	0
SR	PPM	72.27	18.76	102.2	107	67.57	52.39	112.5	40	0.00	0.00	0.00	0
TI	%	0.21	0.08	0.33	107	0.15	0.06	0.28	40	0.00	0.00	0.00	0
V	PPM	77.96	16.77	106.61	107	84.8	20.31	124.8	40	0.00	0.00	0.00	0
W	PPM	5	0	5	107	5	0	5	40	0.00	0.00	0.00	0
ZN	PPM	248.04	280.59	691.83	107	75.55	38.88	152	40	0.00	0.00	0.00	0
LA	PPM	42.43	17.71	77.23	107	26.88	15.96	49.33	40	0.00	0.00	0.00	0
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		0.82	0.6	2.15	107	0.5	0	0.5	40	0.00	0.00	0.00	0
CCR		0.52	0.28	1.1	107	1.07	2.47	2.1	40	0.00	0.00	0.00	0
FTR		0.5	0	0.5	107	0.5	0	0.5	40	0.00	0.00	0.00	0
PTR		0.5	0	0.5	107	0.5	0	0.5	40	0.00	0.00	0.00	0
LTR		0.5	0	0.5	107	0.5	0	0.5	40	0.00	0.00	0.00	0
WMT		0.5	0	0.5	107	0.5	0	0.5	40	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #3

Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93LNORM

Element		ALL DATA mean	stand. Dev.	95 %	1249 Samples	ROCK TYPE -> HOOV mean	stand. Dev.	95 %	468 Samples	ROCK TYPE -> EAGL mean	stand. Dev.	95 %	152 Samples
AU	ppb	44.47	1.08	195.48	171	61.26	1.14	329.99	85	32.82	0.66	85.33	5
AG	PPM	0.52	0.63	1.64	104	0	0	0	0	0.52	0.60	1.49	16
AL	%	6.37	0.24	8.56	1249	6.5	0.22	8.4	468	8.05	0.17	11.17	152
BA	PPM	695.13	0.41	1326.29	1249	660.21	0.26	880.42	468	849.87	0.40	1714.84	152
BE	PPM	1.56	0.64	3.44	981	1.44	0.63	3.48	187	2.00	0.67	4.50	144
BI	PPM	4.98	0.67	11.38	526	9.33	0.89	36.44	90	3.65	0.54	8.91	89
CA	%	1.61	0.7	4.44	1249	1.74	0.66	4.88	468	1.00	0.69	1.92	152
CD	PPM	0.57	0.28	1.02	205	0.56	0.23	0.92	24	0.63	0.31	1.01	11
CO	PPM	22.56	0.66	57.82	1246	19.83	0.52	40.29	466	19.09	0.54	48.72	152
CR	PPM	71.41	0.24	96.4	1249	65.05	0.17	79.22	468	76.50	0.22	108.79	152
CUG	PPM	134.26	1.1	771.9	1248	69.52	0.71	177.01	468	125.34	1.26	607.21	151
CUA	%	1.86	0.13	2.11	2	1.86	0.13	2.11	2	0.00	0.00	0.00	0
FE	%	3.83	0.3	6.2	1249	3.74	0.27	5.07	468	4.03	0.22	5.39	152
K	%	1.94	0.27	2.8	1249	1.95	0.27	2.85	468	2.26	0.23	3.13	152
MG	%	1.14	0.43	2.56	1249	1.24	0.43	2.8	468	1.14	0.28	1.77	152
MN	PPM	1382.91	0.63	3612.97	1249	1090.54	0.37	1709.2	468	1386.64	0.46	2726.55	152
MO	PPM	2.34	0.67	6.7	787	2.36	0.66	6.03	429	1.81	0.52	4.29	89
NA	%	0.91	0.54	2.06	1249	1.02	0.51	2.84	468	1.74	0.44	3.36	152
NI	PPM	31.81	0.38	56.5	1249	29.19	0.28	41.91	468	30.77	0.26	47.06	152
P	PPM	765.03	0.36	1224.72	1249	707.34	0.29	1022.7	468	784.73	0.34	1242.46	152
PB	PPM	22.96	0.59	43.32	1225	21.26	0.47	42.97	467	22.08	0.97	59.54	135
SR	PPM	82.69	0.33	146.36	1249	112.69	0.38	194.02	468	112.39	0.39	191.05	152
TI	%	0.25	0.32	0.37	1249	0.24	0.29	0.37	468	0.27	0.23	0.37	152
V	PPM	90.63	0.23	121.3	1249	90.73	0.25	124.93	468	90.29	0.22	119.16	152
W	PPM	10.34	0.14	10.22	79	0	0	10	14	0.00	0.00	0.00	0
ZN	PPM	130.59	0.58	321.21	1249	134.51	0.44	267.38	468	103.04	0.76	294.77	152
LA	PPM	44.67	0.55	89.38	1191	40.75	0.48	70.37	442	71.00	0.78	281.85	152
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		1.54	0.42	2.28	321	1.5	0.42	2.41	36	1.41	0.43	2.30	129
CCR		0.58	0.84	1.92	1245	0.94	1.06	4.77	466	0.52	0.92	1.86	151
FTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
PTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
LTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
WMT		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93LNORM

element	ROCK TYPE -> BONN 349				ROCK TYPE -> FAIR 199				ROCK TYPE -> PLUM 134			
	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU ppb	9.01	0.43	16.16	5	12.55	0.51	25.81	14	15.33	0.72	45.19	7
AG PPM	0.67	0.64	1.5	6	0.32	0.4	0.62	10	0.62	0.78	2.46	13
AL %	6.24	0.18	7.79	349	5.89	0.26	6.92	199	6.68	0.25	9.46	134
BA PPM	589.05	0.16	716.76	349	563.86	0.26	754.61	199	674.96	0.24	949.20	134
BE PPM	1.47	0.66	4.02	297	1.64	0.52	2.72	152	1.30	0.58	2.72	96
BI PPM	5.6	0.6	11.58	134	3.88	0.48	8.02	67	4.00	0.50	8.38	84
CA %	1.27	0.54	2.65	349	1.6	0.68	4.22	199	1.58	0.54	3.67	134
CD PPM	0.51	0.09	0.51	63	0.59	0.31	1.18	15	0.53	0.22	0.52	50
CO PPM	17.47	0.52	40.73	349	14.85	0.52	32.06	199	17.04	0.32	28.56	134
CR PPM	72.94	0.18	92.99	349	70.45	0.22	80.78	199	63.27	0.19	79.25	134
CUG PPM	46.2	0.39	93.06	349	57.82	0.7	185.25	199	68.40	0.68	156.98	134
CUA %	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE %	3.32	0.23	4.45	349	3.61	0.3	5.41	199	3.71	0.26	4.94	134
K %	1.83	0.18	2.31	349	1.85	0.34	2.65	199	1.89	0.25	2.54	134
MG %	0.98	0.28	1.48	349	1.11	0.47	2.53	199	1.22	0.35	2.43	134
MN PPM	884.21	0.45	1693.81	349	1282.26	0.66	4152.51	199	1083.91	0.42	2089.49	134
MO PPM	1.74	0.54	4	240	1.48	0.41	2.88	61	1.47	0.48	3.25	36
NA %	0.8	0.33	1.26	349	0.74	0.5	1.69	199	0.96	0.39	1.39	134
NI PPM	29.69	0.37	52.66	349	25.4	0.32	45.92	199	28.82	0.25	43.08	134
P PPM	708.79	0.27	1026.24	349	621.46	0.39	1019.64	199	676.65	0.30	1008.38	134
PB PPM	22.76	0.33	37.6	349	23.47	0.4	38.13	197	21.06	0.40	33.06	134
SR PPM	79.15	0.2	105.08	349	65.55	0.22	85.4	199	108.79	0.35	186.26	134
TI %	0.26	0.24	0.38	349	0.26	0.34	0.37	199	0.27	0.30	0.38	134
V PPM	93.86	0.15	116.37	349	97.06	0.31	137.46	199	96.98	0.24	127.86	134
W PPM	0	0	0	0	10.41	0.16	10.27	65	0.00	0.00	0.00	0
ZN PPM	148.73	0.47	333.63	349	110.99	0.34	190.07	199	132.64	0.41	262.15	134
LA PPM	42.78	0.52	87.9	345	31.96	0.38	49.36	186	42.32	0.43	69.73	130
U PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR	1.65	0.39	2.19	61	1.35	0.43	2.03	23	1.72	0.34	2.36	44
CCR	0.32	0.52	0.58	349	0.42	0.61	1.08	199	0.41	0.64	0.97	134
FTR	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
PTR	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
LTR	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
WMT	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA
(* - indicates only 1992 sample data)

FILE=93LNORM

		ROCK TYPE -> SLAB			107	ROCK TYPE -> OLYM			40	0.000			0
	element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	14.43	0.49	25.43	23	64.27	0.97	404.92	32	0.00	0.00	0.00	0
AG	PPM	0.44	0.45	0.98	39	0.73	0.8	2.66	20	0.00	0.00	0.00	0
AL	%	6	0.23	7.87	107	4.56	0.34	6.22	40	0.00	0.00	0.00	0
BA	PPM	721.82	0.47	1611.53	107	3105.81	0.88	6170.56	40	0.00	0.00	0.00	0
BE	PPM	1.53	0.62	3.5	104	1	0	1	1	0.00	0.00	0.00	0
BI	PPM	3.26	0.49	7.25	49	2.87	0.43	6.66	13	0.00	0.00	0.00	0
CA	%	1.66	0.45	2.86	107	3.7	1.09	13.01	40	0.00	0.00	0.00	0
CD	PPM	0.71	0.44	1.56	24	0.72	0.38	1.45	18	0.00	0.00	0.00	0
CO	PPM	26.48	0.46	48.85	107	59.24	0.68	125.34	39	0.00	0.00	0.00	0
CR	PPM	68.15	0.27	96.03	107	45.06	0.35	60.73	40	0.00	0.00	0.00	0
CUG	PPM	137.02	0.64	404.36	107	488.57	1.02	910.86	40	0.00	0.00	0.00	0
CUA	%	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE	%	4.03	0.29	5.75	107	7.76	0.21	10	40	0.00	0.00	0.00	0
K	%	1.95	0.29	3.17	107	2.37	0.39	3.27	40	0.00	0.00	0.00	0
MG	%	0.95	0.25	1.31	107	2.31	0.96	8.43	40	0.00	0.00	0.00	0
MN	PPM	1889.42	0.49	3525.87	107	4864.94	0.47	8790.39	40	0.00	0.00	0.00	0
MO	PPM	2.08	0.53	4.56	97	8.16	0.52	13.53	35	0.00	0.00	0.00	0
NA	%	0.85	0.51	1.92	107	0.23	0.47	0.48	40	0.00	0.00	0.00	0
NI	PPM	34.81	0.32	57.16	107	40.29	0.43	64.91	40	0.00	0.00	0.00	0
P	PPM	877.95	0.26	1171.05	107	1201.64	0.39	1661.24	40	0.00	0.00	0.00	0
PB	PPM	31.2	0.72	56.93	104	40.48	0.83	87.2	39	0.00	0.00	0.00	0
SR	PPM	72.15	0.23	102.31	107	66.48	0.59	114.25	40	0.00	0.00	0.00	0
TI	%	0.21	0.33	0.32	107	0.15	0.42	0.27	40	0.00	0.00	0.00	0
V	PPM	78.06	0.23	106.79	107	85.01	0.26	121.3	40	0.00	0.00	0.00	0
W	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
ZN	PPM	248.5	0.92	718.35	107	74.74	0.42	152.51	40	0.00	0.00	0.00	0
LA	PPM	42.66	0.43	79.73	107	35.74	0.39	52.04	29	0.00	0.00	0.00	0
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		1.74	0.38	2.77	28	0	0	0	0	0.00	0.00	0.00	0
CCR		0.52	0.45	1.08	107	0.84	0.69	1.9	39	0.00	0.00	0.00	0
FTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
PTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
LTR		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
WMT		0	0	0	0	0	0	0	0	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #4

Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93LHALF

Element	ALL DATA mean	stand. Dev.	95 %	1249 Samples	ROCK TYPE -> HOOV mean	stand. Dev.	95 %	268 Samples	ROCK TYPE -> EAGL mean	stand. Dev.	95 %	152 Samples
AU ppb	5.07	0.89	21.73	1248	13.92	1.35	104.67	268	2.97	0.44	2.70	152
AG PPM	0.12	0.44	0.28	1249	0	0	0.1	268	0.13	0.49	0.30	152
AL %	6.37	0.24	8.56	1249	6.17	0.18	8.04	268	8.05	0.17	11.17	152
BA PPM	695.13	0.41	1326.29	1249	626.3	0.33	1112.62	268	849.87	0.40	1714.84	152
BE PPM	1.31	0.87	3.43	1249	1.09	0.89	3.27	268	1.95	0.77	4.69	152
BI PPM	2.48	0.81	8.56	1249	3.09	1.01	13.47	268	2.50	0.70	8.65	152
CA %	1.61	0.7	4.44	1249	2.19	0.79	7.05	268	1.00	0.69	1.92	152
CD PPM	0.3	0.31	0.53	1249	0.28	0.23	0.47	268	0.27	0.24	0.47	152
CO PPM	22.7	0.68	57.27	1249	37.22	0.92	102.5	268	19.09	0.54	48.72	152
CR PPM	71.41	0.24	96.4	1249	76.14	0.19	113.19	268	76.50	0.22	108.79	152
CUG PPM	135	1.11	768.14	1249	456.91	1.32	2029.22	268	129.94	1.32	614.37	152
CUA %	1.86	0.13	2.11	2	1.86	0.13	2.11	2	0.00	0.00	0.00	0
FE %	3.83	0.3	6.2	1249	3.95	0.27	5.76	268	4.03	0.22	5.39	152
K %	1.94	0.27	2.8	1249	1.91	0.27	2.86	268	2.26	0.23	3.13	152
MG %	1.14	0.43	2.56	1249	1.29	0.52	4.36	268	1.14	0.28	1.77	152
MN PPM	1382.91	0.63	3612.97	1249	1640.13	0.59	3250.35	268	1386.64	0.46	2726.55	152
MO PPM	1.62	0.83	5.85	1249	2.67	0.83	7	268	1.25	0.69	3.23	152
NA %	0.91	0.54	2.06	1249	0.77	0.33	1.25	268	1.74	0.44	3.36	152
NI PPM	31.81	0.38	56.5	1249	39.3	0.45	85.33	268	30.77	0.26	47.06	152
P PPM	765.03	0.36	1224.72	1249	869.3	0.37	1327.08	268	784.73	0.34	1242.46	152
PB PPM	23.48	0.71	42.7	1249	18.33	0.58	34.61	268	21.95	1.23	58.51	152
SR PPM	82.69	0.33	146.36	1249	77.7	0.24	105.62	268	112.39	0.39	191.05	152
TI %	0.25	0.32	0.37	1249	0.23	0.28	0.36	268	0.27	0.23	0.37	152
V PPM	90.63	0.23	121.3	1249	84.56	0.21	114.67	268	90.29	0.22	119.16	152
W PPM	5.32	0.18	7.92	1249	5.25	0.15	7.44	268	5.00	0.00	5.00	152
ZN PPM	130.59	0.58	321.21	1249	105.14	0.43	183.88	268	103.04	0.76	294.77	152
LA PPM	44.24	0.69	92.85	1249	45.52	0.81	90.58	268	71.00	0.78	281.85	152
U PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR	0.74	0.5	1.99	1249	0.61	0.38	1.4	268	1.28	0.52	2.28	152
CCR	0.58	0.84	1.92	1249	1.38	1.08	6.29	268	0.52	0.91	1.85	152
FTR	0.5	0.06	0.5	1249	0.5	0	0.5	268	0.50	0.00	0.50	152
PTR	0.5	0.06	0.5	1249	0.5	0	0.5	268	0.50	0.00	0.50	152
LTR	0.5	0.04	0.5	1249	0.5	0	0.5	268	0.50	0.00	0.50	152
WMT	0.5	0.07	0.51	1249	0.5	0	0.5	268	0.50	0.00	0.50	152

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted 1/2 Detection Limit Used No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93LHALF

element	ROCK TYPE -> BONN 417				ROCK TYPE -> FAIR 199				ROCK TYPE -> PLUM 134			
	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU ppb	2.56	0.13	2.53	416	3.01	0.4	6.89	199	2.92	0.38	4.87	134
AG PPM	0.11	0.22	0.1	417	0.11	0.25	0.19	199	0.13	0.51	0.42	134
AL %	6.29	0.19	7.88	417	5.89	0.26	6.92	199	6.68	0.25	9.46	134
BA PPM	506.33	0.19	784.28	417	563.86	0.26	754.61	199	674.96	0.24	949.20	134
BE PPM	1.35	0.85	3.44	417	1.38	0.87	2.54	199	1.02	0.83	2.78	134
BI PPM	2.2	0.79	9.61	417	1.87	0.65	6.21	199	2.87	0.73	7.67	134
CA %	1.54	0.67	4.82	417	1.6	0.68	4.22	199	1.58	0.54	3.67	134
CD PPM	0.3	0.29	0.51	417	0.27	0.23	0.47	199	0.35	0.38	0.52	134
CO PPM	18.97	0.55	33.78	417	14.85	0.52	32.06	199	17.04	0.32	28.56	134
CR PPM	71.66	0.19	100.52	417	70.45	0.22	80.78	199	63.27	0.19	79.25	134
CUG PPM	71.28	0.51	143.23	417	57.82	0.7	185.25	199	68.40	0.68	156.98	134
CUA %	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE %	3.4	0.24	4.69	417	3.61	0.3	5.41	199	3.71	0.26	4.94	134
K %	1.84	0.18	2.33	417	1.85	0.34	2.65	199	1.89	0.25	2.54	134
MG %	1.13	0.43	2.59	417	1.11	0.47	2.53	199	1.22	0.35	2.43	134
MN PPM	1136.56	0.56	2042.06	417	1282.26	0.66	4152.51	199	1083.91	0.42	2089.49	134
MO PPM	1.38	0.7	3.08	417	0.78	0.51	2.16	199	0.73	0.49	1.65	134
NA %	0.79	0.33	1.22	417	0.74	0.5	1.69	199	0.96	0.39	1.39	134
NI PPM	30.88	0.32	46.13	417	25.4	0.32	45.92	199	28.82	0.25	43.08	134
P PPM	864.32	0.29	1149.21	417	621.46	0.39	1019.64	199	676.65	0.30	1008.38	134
PB PPM	17.64	0.46	34.07	417	23.83	0.5	36.74	199	21.06	0.40	33.06	134
SR PPM	82.91	0.31	156.09	417	65.55	0.22	85.4	199	108.79	0.35	186.26	134
TI %	0.26	0.25	0.38	417	0.26	0.34	0.37	199	0.27	0.30	0.38	134
V PPM	78.92	0.2	112.05	417	97.06	0.31	137.46	199	96.98	0.24	127.86	134
W PPM	5	0	5	417	6.73	0.35	10.43	199	5.00	0.00	5.00	134
ZN PPM	93.41	0.33	159.03	417	110.99	0.34	190.07	199	132.64	0.41	262.15	134
LA PPM	40.68	0.66	66.9	417	31.19	0.58	49.8	199	42.18	0.55	75.58	134
U PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR	0.67	0.46	1.59	349	0.59	0.34	1.24	199	0.87	0.59	2.06	134
CCR	0.37	0.59	0.81	417	0.42	0.61	1.08	199	0.41	0.64	0.97	134
FTR	0.5	0	0.5	417	0.51	0.14	0.51	199	0.50	0.00	0.50	134
PTR	0.5	0	0.5	417	0.51	0.14	0.51	199	0.50	0.00	0.50	134
LTR	0.5	0	0.5	417	0.51	0.09	0.5	199	0.50	0.00	0.50	134
WMT	0.5	0	0.5	417	0.5	0.17	0.51	199	0.50	0.00	0.50	134

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #1

Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | Detection Limit Samples Ignored | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

		ALL DATA			1359	ROCK TYPE -> HOOV			192	ROCK TYPE -> SLAB			191
	Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	155.7	903.16	496.09	670	397.62	2170.45	980.83	86	332.84	1043.29	1156.25	95
AG	PPM	4.45	12.26	11.83	228	0.94	0.86	2.51	29	11.96	22.74	77.28	39
AL	%	6.42	1.9	8.93	1338	6.8	2.15	10.17	188	6.94	1.35	8.84	189
BA	PPM	798.51	1022.04	2663.63	1356	658.13	839.99	2426.67	192	633.66	441.43	1309.00	191
BE	PPM	1.73	4.23	4.41	359	3.22	8.97	7.4	72	1.59	1.46	4.52	126
BI	PPM	19.78	167.15	38.95	695	16.09	69.28	14.77	85	7.90	24.11	11.65	102
CA	%	4.09	3.65	11.68	1265	4.76	3.72	12.3	164	4.73	3.06	9.98	183
CD	PPM	1.41	10.26	2.45	374	0.57	0.17	1	29	0.60	0.41	0.97	71
CO	PPM	45.3	197.38	112.8	1292	18.27	31.56	58.4	162	33.20	67.00	118.50	184
CR	PPM	70.79	51.18	133.1	1357	49.92	51.01	132.21	192	88.10	43.90	141.50	191
CUG	PPM	1939.75	3332.68	9817.5	1332	2706.04	3933.17	10638.46	188	2429.49	3491.00	9847.07	191
CUA	%	4.1	9.08	10.63	145	4.17	5.98	25.8	36	2.34	1.58	5.14	23
FE	%	5.38	3.67	11.61	1332	4.82	3.94	12.48	181	3.03	1.91	7.64	189
K	%	3.49	2.28	7.5	1226	2.81	2.07	6.15	134	2.75	1.36	4.80	183
MG	%	2.04	1.71	4.45	1211	1.06	1.26	2.93	110	1.25	0.58	2.17	181
MN	PPM	1628.13	1450.15	4337.94	1346	1252.37	1392.52	3430	192	1059.24	712.09	2563.33	191
MO	PPM	14.93	85.44	39.75	870	12.33	85.79	19.84	118	23.77	132.48	50.31	125
NA	%	1.86	1.71	5.31	1192	3.18	1.97	6.48	166	2.75	1.28	5.37	188
NI	PPM	48.41	316.32	103.59	1358	25.58	22.97	72.6	192	30.81	24.78	67.35	191
P	PPM	810.63	638.26	1454	1332	820.32	989.66	1635	186	917.72	333.79	1451.10	189
PB	PPM	22.68	101.07	75.75	357	6.59	3.31	12.45	34	33.90	192.40	69.17	77
SR	PPM	81.71	176.66	250.98	1359	75.84	58.52	220.5	192	134.33	83.86	292.25	191
TI	%	0.24	0.19	0.66	1000	0.14	0.1	0.31	90	0.27	0.17	0.38	167
V	PPM	80.15	89.67	238.06	1353	55.87	41.17	109.08	191	73.35	132.64	129.50	190
W	PPM	43.92	81.54	149.65	816	89.38	160.43	512	64	42.19	57.49	196.00	96
ZN	PPM	61.94	230.26	153.08	1292	45.69	107.68	138.13	159	43.72	38.49	113.84	181
LA	PPM	62.16	115.89	167.36	918	86.24	135.89	467.25	93	45.77	46.71	118.00	104
U	PPM	38.41	85.33	107.2	264	46.11	45.23	161	18	31.89	35.78	118.35	37
KNR		10.42	15.2	42.02	1107	2.44	3.06	7.69	115	1.65	2.50	3.85	183
CCR		23.35	74.55	133.2	1268	47.39	87.41	248	160	17.17	44.57	108.00	184
FTR		4.24	10.26	11.78	995	7.2	17.19	24.75	90	1.37	1.37	3.35	166
PTR		5.37	7.33	13.95	988	5.98	4.38	15.7	86	4.54	4.15	11.70	166
LTR		4.97	25.84	11.56	713	17.12	69.48	38.25	49	1.87	1.85	4.64	88
WMT		6.63	42.1	20.43	888	37.14	136.68	224	72	2.00	5.39	12.07	138

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

Fairchild Project Statistics - 1992-1993 Soil Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93LHALF

	element	ROCK TYPE -> SLAB			107	ROCK TYPE -> OLYM			40	0.000			0
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	4.56	0.71	18.23	107	61.27	1.41	93.88	40	0.00	0.00	0.00	0
AG	PPM	0.21	0.72	0.66	107	0.38	1.01	2.2	40	0.00	0.00	0.00	0
AL	%	6	0.23	7.87	107	4.56	0.34	6.22	40	0.00	0.00	0.00	0
BA	PPM	721.82	0.47	1611.53	107	3105.81	0.88	6170.56	40	0.00	0.00	0.00	0
BE	PPM	1.51	0.67	3.8	107	0.26	0.22	0.26	40	0.00	0.00	0.00	0
BI	PPM	1.98	0.63	5.98	107	1.56	0.51	4.32	40	0.00	0.00	0.00	0
CA	%	1.66	0.45	2.86	107	3.7	1.09	13.01	40	0.00	0.00	0.00	0
CD	PPM	0.34	0.45	0.78	107	0.45	0.55	1.09	40	0.00	0.00	0.00	0
CO	PPM	26.48	0.46	48.85	107	67.33	0.98	130.15	40	0.00	0.00	0.00	0
CR	PPM	68.15	0.27	96.03	107	45.06	0.35	60.73	40	0.00	0.00	0.00	0
CUG	PPM	137.02	0.64	404.36	107	488.57	1.02	910.86	40	0.00	0.00	0.00	0
CUA	%	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
FE	%	4.03	0.29	5.75	107	7.76	0.21	10	40	0.00	0.00	0.00	0
K	%	1.95	0.29	3.17	107	2.37	0.39	3.27	40	0.00	0.00	0.00	0
MG	%	0.95	0.25	1.31	107	2.31	0.96	8.43	40	0.00	0.00	0.00	0
MN	PPM	1889.42	0.49	3525.87	107	4864.94	0.47	8790.39	40	0.00	0.00	0.00	0
MO	PPM	1.96	0.63	4.53	107	8.42	1	13.92	40	0.00	0.00	0.00	0
NA	%	0.85	0.51	1.92	107	0.23	0.47	0.48	40	0.00	0.00	0.00	0
NI	PPM	34.81	0.32	57.16	107	40.29	0.43	64.91	40	0.00	0.00	0.00	0
P	PPM	877.95	0.26	1171.05	107	1201.64	0.39	1661.24	40	0.00	0.00	0.00	0
PB	PPM	32.5	0.88	54.94	107	42.24	0.97	87.13	40	0.00	0.00	0.00	0
SR	PPM	72.15	0.23	102.31	107	66.48	0.59	114.25	40	0.00	0.00	0.00	0
TI	%	0.21	0.33	0.32	107	0.15	0.42	0.27	40	0.00	0.00	0.00	0
V	PPM	78.06	0.23	106.79	107	85.01	0.26	121.3	40	0.00	0.00	0.00	0
W	PPM	5	0	5	107	5	0	5	40	0.00	0.00	0.00	0
ZN	PPM	248.5	0.92	718.35	107	74.74	0.42	152.51	40	0.00	0.00	0.00	0
LA	PPM	42.66	0.43	79.73	107	29.59	0.91	45.6	40	0.00	0.00	0.00	0
U	PPM	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0
KNR		0.79	0.55	2.15	107	0	0	0.5	40	0.00	0.00	0.00	0
CCR		0.52	0.45	1.08	107	0.83	0.68	1.87	40	0.00	0.00	0.00	0
FTR		0.5	0	0.5	107	0	0	0.5	40	0.00	0.00	0.00	0
PTR		0.5	0	0.5	107	0	0	0.5	40	0.00	0.00	0.00	0
LTR		0.5	0	0.5	107	0	0	0.5	40	0.00	0.00	0.00	0
WMT		0.5	0	0.5	107	0	0	0.5	40	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

	element	ROCK TYPE -> OLYM 197				ROCK TYPE -> MICA 140				ROCK TYPE -> HAIL 50			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	57.13	202.21	231.25	115	65.81	142.13	276.5	62	44.05	73.53	219.00	21
AG	PPM	3.79	5.24	20.1	32	7.44	23.21	96.9	17	0.47	0.46	1.93	14
AL	%	6.33	1.64	7.97	193	6.2	1.96	8.16	139	6.65	1.34	8.48	50
BA	PPM	1207.92	1588.71	4830	197	719.2	795.01	2510	138	615.80	241.73	1065.80	50
BE	PPM	0.8	0.46	1.93	30	1.08	0.61	2.86	19	0.00	0.00	0.00	0
BI	PPM	10	40.65	18.29	104	11.82	56.03	14.64	76	5.23	3.93	11.85	26
CA	%	3.63	2.6	6.99	185	2.99	2.68	8.17	137	2.81	2.80	5.07	50
CD	PPM	1.61	6.35	1.95	48	0.65	0.41	1.46	34	0.50	0.00	0.50	15
CO	PPM	47.01	260.49	124.94	194	107.14	394.55	500	140	20.76	19.33	58.75	50
CR	PPM	70.74	57.74	115.63	195	76.03	42.13	130	140	89.62	24.28	119.02	50
CUG	PPM	1598.94	3022.15	10010	196	951.71	2392.94	9655.71	127	1853.28	3335.89	9775.00	50
CUA	%	5.5	7.2	30.4	16	4.32	5.03	15.97	7	1.93	0.73	2.95	5
FE	%	6.45	3.19	11.34	193	6.15	4.22	18.13	135	5.82	1.80	9.53	50
K	%	4.65	2.15	7.7	179	4.13	2.32	7.61	138	5.43	1.75	8.06	50
MG	%	2.43	2.01	4.91	187	2.26	1.48	4.6	137	1.88	1.64	3.00	50
MN	PPM	2013.38	1123.5	3777.86	197	1761.09	1767.53	5107.5	133	2591.50	1152.56	4650.00	50
MO	PPM	7.36	17.7	17.1	148	11.17	37.02	41.8	104	6.74	24.03	9.90	27
NA	%	0.79	1.2	3.52	171	1.28	1.4	4.58	118	0.88	1.13	2.92	50
NI	PPM	37.19	55.15	110.75	197	47.64	92.66	208.33	140	21.90	20.85	72.50	50
P	PPM	834.03	639.29	1417.5	191	895.43	960.6	2175	138	782.80	285.78	1150.30	50
PB	PPM	30.68	63.55	159.75	47	24.35	43.14	88.5	23	8.67	5.25	16.27	3
SR	PPM	54.95	76.88	212.6	197	22.28	13.43	88.5	140	18.62	15.98	30.00	50
TI	%	0.21	0.13	0.44	148	0.18	0.09	0.31	108	0.20	0.08	0.39	49
V	PPM	93.13	77.17	266.25	195	76.84	100.03	201.25	139	64.72	32.70	140.00	50
W	PPM	39.79	62.11	88.75	145	35.93	64.58	87	108	36.33	42.89	105.50	49
ZN	PPM	71.3	265.68	229.67	196	35.05	90.43	96.25	132	28.40	22.00	74.25	50
LA	PPM	44.18	36.62	117.45	158	75.38	98.19	213.13	119	100.89	324.54	215.00	45
U	PPM	22.25	18.23	63	40	37.69	30.42	130.13	13	18.33	20.62	95.50	18
KNR		24.77	18.98	55.07	161	11.75	13.12	40.42	118	22.28	18.73	51.75	50
CCR		17.75	61.16	80.25	193	10.08	32.98	39.07	127	15.75	31.78	100.00	50
FTR		4.93	13.06	12.77	147	5.42	9.44	24.25	106	3.14	1.06	5.21	49
PTR		4.91	3.4	10.1	147	8.53	15.83	41.3	107	4.98	6.35	7.27	49
LTR		2.43	2.08	6.43	123	6.79	13.99	28.52	97	12.57	65.12	14.57	45
WMT		4.8	15.91	10.85	143	6.37	20.42	29.75	102	2.12	2.50	8.13	49

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

	element	ROCK TYPE -> URSU			65	ROCK TYPE -> JAZZ			112	ROCK TYPE -> RAM			80
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	77.22	103.87	270.63	27	56.33	87.08	250	90	108.82	130.50	430.50	34
AG	PPM	2.03	2.61	10.01	12	2.23	1.73	5.35	22	2.69	3.00	10.88	20
AL	%	5.75	2.4	9.35	65	6.3	1.62	8.08	112	6.84	1.30	8.24	80
BA	PPM	653.23	736.87	1750	65	1024.46	721.19	1880	112	987.09	983.48	2512.50	79
BE	PPM	1.85	2.15	7.97	10	1.79	1.62	5.46	7	1.02	0.53	2.07	24
BI	PPM	6.27	5.3	11.85	22	5.62	6.07	15.98	47	9.04	13.77	22.75	50
CA	%	4.45	3.82	14.06	64	3.79	3.21	10.88	108	2.98	1.80	5.85	80
CD	PPM	0.5	0	0.5	7	1.29	3.51	3.02	33	0.61	0.27	1.25	33
CO	PPM	40.23	131.02	131.25	65	41.14	106.61	120.62	107	66.53	267.71	108.33	80
CR	PPM	87.31	68.78	191.25	65	56.78	41.6	105.67	112	86.51	46.93	140.00	80
CUG	PPM	1688.53	2801.52	9940	64	1938.59	3369.46	9803.33	112	2328.47	3753.79	10137.29	79
CUA	%	3.89	0.84	5.05	4	2.09	0.82	3.58	11	2.60	1.56	6.16	12
FE	%	5.86	3.03	12.56	65	6.71	3.6	13.75	109	5.90	3.58	10.80	80
K	%	2.14	1.54	4.75	65	5.45	2.33	8.94	110	4.08	2.13	7.18	79
MG	%	2.41	1.79	6.47	65	2.38	2.1	5.77	109	1.92	1.08	3.83	80
MN	PPM	3293.75	1891.07	6300	60	1829.28	1103.06	3845	111	1039.50	508.24	1950.00	80
MO	PPM	6.13	7.54	17.7	46	16.77	42.46	61	78	65.02	253.15	256.75	41
NA	%	1.84	1.69	5.18	63	0.56	0.81	2.59	82	1.36	1.18	3.90	80
NI	PPM	27.55	27.78	93.63	65	33.64	28.24	75.95	112	34.34	23.85	69.00	80
P	PPM	731.97	449.88	1197.5	61	881.62	393.11	1381.67	111	735.77	384.48	1149.50	78
PB	PPM	9.43	8.67	34.6	14	42.27	135.72	533.75	15	14.67	13.75	49.88	15
SR	PPM	66.72	226.6	107.25	65	49.69	96.27	267.5	112	56.10	56.57	150.00	80
TI	%	0.14	0.07	0.24	59	0.15	0.12	0.48	78	0.36	0.31	1.02	78
V	PPM	50.95	31.87	79.5	65	87.46	93.67	320	112	111.94	107.64	358.33	80
W	PPM	44.47	76.97	242	38	36.44	46.58	96.63	87	64.59	110.52	284.25	61
ZN	PPM	29.28	22.85	64.9	64	54.26	155.34	167.33	109	53.78	99.36	150.00	80
LA	PPM	66.9	63.9	208.5	42	61.1	83.29	154.5	91	50.63	75.10	105.33	64
U	PPM	33.81	24.39	83.7	21	28.7	26.43	90.02	23	115.83	251.36	507.00	24
KNR		4.52	6.81	16.27	63	24.97	15.24	43.51	82	9.99	12.11	37.05	79
CCR		36.37	137.9	133	64	30.42	110.66	189.75	107	9.55	19.63	70.25	79
FIR		8.31	14	45.67	59	5.5	5.65	12.23	77	2.64	4.00	6.10	78
PIR		8.02	10.37	35.25	58	8.22	5.33	18.15	78	3.30	2.33	8.52	76
LTR		6.3	16.13	11.93	41	5.13	6.14	14.55	66	2.19	2.24	6.56	63
WMT		3.82	8.16	20.1	59	5.71	16.01	20.6	77	7.53	24.31	33.30	69

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

		ROCK TYPE -> CLEV			14	ROCK TYPE -> QUAR			61	ROCK TYPE -> FAIR			16
	element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	7.5	2.5	10.44	2	24.44	44.93	191	18	29.00	17.72	61.88	5
AG	PPM	0	0	0	0	1.1	0.73	1.96	4	2.00	4.00	1.95	1
AL	%	6.49	1.57	7.41	14	6.84	1.42	8.47	61	6.33	1.32	7.82	15
BA	PPM	1130	337.36	1495.5	14	488.03	824.11	1590	61	211.25	214.27	781.00	16
BE	PPM	0	0	0	0	1.05	0.47	2	10	1.00	1.00	0.99	1
BI	PPM	6.15	2.28	11.3	13	6.92	4.87	19.07	37	3.00	1.00	3.97	6
CA	%	2.12	0.99	4.07	14	2.77	3.22	8.38	61	4.63	1.60	8.33	15
CD	PPM	0.61	0.21	1	9	0.83	0.8	3.46	29	0.00	0.00	0.00	0
CO	PPM	7.85	2.63	12.62	13	18.34	19.8	49.88	61	11.17	20.31	77.00	12
CR	PPM	78.93	8.48	93.53	14	84.95	29.01	133.51	61	13.69	7.17	25.20	16
CUG	PPM	21.92	36.12	111.6	12	701.75	2206.87	9909.17	59	1966.13	2571.87	9912.50	15
CUA	%	0	0	0	0	1.63	0.48	2.22	3	1.64	2.69	1.92	1
FE	%	6.02	2.44	11.6	14	4.69	3.08	10.48	61	7.69	5.01	24.30	16
K	%	6.44	1.76	7.93	14	1.56	1.38	4.02	61	1.93	0.55	2.91	10
MG	%	1.63	0.53	2.58	14	2.15	1.42	4.89	61	3.18	1.08	4.54	11
MN	PPM	888.93	263	1493.43	14	1156.23	847.29	2790	61	1896.25	1467.22	4970.00	16
MO	PPM	2	1.47	6.09	12	3.14	4.35	11.6	28	1.38	0.70	2.94	8
NA	%	0.32	0.34	1.22	14	2.89	1.7	5.46	61	3.58	1.04	5.90	14
NI	PPM	17.07	4.42	24.37	14	28.38	21.95	65.91	61	54.63	32.09	105.60	16
P	PPM	1049.29	696.21	2895	14	741.67	353.39	1350	60	515.63	259.69	1053.00	16
PB	PPM	4	16	3.8	1	78.67	144.45	409.5	6	4.00	16.00	3.80	1
SR	PPM	17.86	8.11	38.6	14	48.31	42.91	164.75	61	111.06	75.93	284.00	16
TI	%	0.18	0.04	0.24	14	0.27	0.17	0.56	61	0.00	0.00	0.00	0
V	PPM	69	18.92	110.85	14	94.3	89.55	349.5	61	121.88	89.50	244.00	16
W	PPM	18.57	7.42	38.6	14	21.49	19.35	58.25	47	24.62	9.29	38.38	13
ZN	PPM	16.86	3.68	25.23	14	76.3	252.27	160.88	61	160.88	476.77	1920.00	16
LA	PPM	57.86	62.13	259.5	14	40.43	27.66	88.9	46	35.00	25.00	59.40	4
U	PPM	0	0	0	0	40.71	48.91	193	14	0.00	0.00	0.00	0
KNR		38.18	18.2	64.35	14	1.16	1.42	4.88	61	0.73	0.32	1.24	9
CCR		0.26	0.41	1.14	11	2.13	5.71	19.54	59	39.41	44.64	164.00	12
FTR		4.18	4.64	19.3	14	3.42	11.7	5.95	61	0.00	0.00	0.00	0
PTR		6.46	4.86	19.3	14	4.91	8.12	15	60	0.00	0.00	0.00	0
LTR		4.86	9.42	38.25	14	1.87	1.61	5.88	46	0.00	0.00	0.00	0
WMT		1.38	1.46	6.4	14	1.21	2.01	5.36	51	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

		ROCK TYPE -> ARCT			25	ROCK TYPE -> REID			19	ROCK TYPE -> EAGL			22
	element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	25	18.17	61.88	5	32.31	21	76.75	13	141.00	289.56	1207.50	15
AG	PPM	1.35	0.95	2.95	4	5.73	4.68	15.55	9	6.65	3.15	11.84	4
AL	%	5.77	1.83	7.45	25	3.35	1.69	6.42	19	5.90	2.02	8.38	21
BA	PPM	2333.6	2015.51	6375	25	84.74	141.66	631.75	19	815.00	923.86	2975.00	22
BE	PPM	0.58	0.19	1.02	6	0.83	0.24	1.01	3	1.00	0.00	1.00	3
BI	PPM	8.27	5.16	21.38	15	645.2	1170.49	3750	10	66.82	214.36	888.25	17
CA	%	5.54	4.53	16.75	25	0.82	1.19	3.18	8	7.20	5.44	18.00	20
CD	PPM	0.59	0.19	1.03	11	1.25	1.03	2.95	4	192.00	36864.00	8550.00	1
CO	PPM	36.12	71.42	255	25	49.53	135.2	596.75	19	110.05	289.89	1013.25	21
CR	PPM	72.92	43	109.17	25	64.05	64.71	195.75	19	8.82	4.42	16.90	22
CUG	PPM	1425.29	3269.55	10080	24	5694.68	3833.61	10299.58	19	3857.82	3716.32	10241.00	22
CUA	%	3.66	2.01	5.95	2	5.16	2.81	10.29	6	2.78	2.42	7.65	5
FE	%	4.93	2.78	10.32	25	4.18	2.67	11.12	18	4.47	4.82	8.90	22
K	%	2.63	1.96	5.96	25	1.62	1.32	4.71	11	3.27	1.19	5.11	17
MG	%	3.61	3.33	11.69	25	1.67	0.56	2.53	15	1.45	0.86	3.87	13
MN	PPM	3023.4	1457.54	5556.25	25	233.68	466.71	1905	19	2516.82	2433.28	8670.00	22
MO	PPM	3.5	4.06	10.6	8	1.57	0.73	2.93	14	14.69	22.96	89.92	13
NA	%	2.09	1.78	5.36	25	0.11	0.06	0.25	6	2.36	1.23	5.16	16
NI	PPM	26.52	26.78	82.88	25	204.53	507.13	2257.5	19	565.05	2083.53	1950.00	22
P	PPM	777.2	801.7	1950	25	287.78	295.01	1282.5	18	883.81	348.34	1391.68	21
PB	PPM	5.67	3.54	12.33	6	9.56	5.06	20.33	9	35.00	58.40	189.00	8
SR	PPM	116.24	147.86	306.25	25	6.16	3.33	14.49	19	140.95	78.73	338.00	22
TI	%	0.22	0.21	0.76	25	0.05	0.03	0.1	6	0.00	0.00	0.00	0
V	PPM	74.6	69.78	191.25	25	25.05	15.37	58.1	19	58.38	25.72	90.89	21
W	PPM	55.26	99.76	426.25	19	62.5	37.67	103.55	4	114.44	248.65	813.00	9
ZN	PPM	46.24	39.93	127.5	25	76.95	100.99	401.25	19	54.33	50.71	181.50	18
LA	PPM	37.69	32.62	114.8	13	20	8.45	29.72	14	83.33	123.83	406.50	9
U	PPM	26.67	4.71	30.59	3	0	0	0	0	0.00	0.00	0.00	0
KNR		8.94	15.51	35	25	8.44	6.21	19.05	6	2.04	1.15	4.01	13
CCR		2.72	6.7	13.2	24	96.35	137.27	456.75	19	68.30	70.33	199.00	21
FTR		4.37	5.64	13.31	25	27.3	38.89	111.15	6	0.00	0.00	0.00	0
PTR		5.3	5.07	20.63	25	3.75	3	8.81	5	0.00	0.00	0.00	0
LTR		2.29	2.24	7.89	13	2.72	0.71	3.49	5	0.00	0.00	0.00	0
WMT		5.58	10.83	37.62	19	13.92	14.28	34.47	3	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

	element	ROCK TYPE -> PLUM 16				ROCK TYPE -> MMM 24				ROCK TYPE -> TVA 33			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	10	100	23.75	1	250.75	815.43	600	20	183.82	257.96	919.75	17
AG	PPM	2.1	0.7	2.83	2	2.14	1.89	6.14	7	3.43	2.65	8.87	7
AL	%	5.88	2.11	9.87	15	8.32	1.64	10.64	24	5.33	2.54	9.33	26
BA	PPM	310.63	246.54	1032	16	352.92	234.72	774	24	1198.18	2040.70	6675.00	33
BE	PPM	1.8	1.17	4.13	5	1.32	0.92	3.83	14	1.00	0.00	1.00	2
BI	PPM	5	4.12	11.8	4	12.53	26.82	112.13	15	6.33	7.81	32.20	18
CA	%	11.95	8.76	25.57	13	1.78	3.41	12.88	17	4.83	4.42	14.00	20
CD	PPM	11	8.49	23.7	3	0.56	0.16	0.94	9	0.00	0.00	0.00	0
CO	PPM	5	4.17	12.65	7	179.1	351.98	895.5	21	9.21	13.93	26.43	29
CR	PPM	9.06	6.33	28.8	16	57.13	48.24	128	24	10.70	7.29	26.70	33
CUG	PPM	697.56	1109.05	3960	16	2466.96	3273.5	10080	24	1512.09	2912.26	9881.25	33
CUA	%	0	0	0	0	5.88	0.32	6.19	2	2.55	0.42	3.04	2
FE	%	4.67	2.78	9.94	16	4.82	3.11	12.64	24	10.52	6.16	22.05	32
K	%	2.06	0.73	3.56	10	1.84	0.84	3	20	3.96	1.65	5.91	18
MG	%	1.81	0.54	2.66	7	1.38	0.92	3.51	19	2.64	1.61	5.50	25
MN	PPM	1939.06	1570.62	5680	16	1068.13	1776.03	5310	24	2520.45	2836.16	10115.00	33
MO	PPM	2.56	1.95	5.89	9	2	1.21	4.93	11	41.93	67.56	174.00	28
NA	%	2.83	1.41	5.43	10	2.82	1.29	5.04	24	1.66	0.03	1.69	2
NI	PPM	25.44	15.55	60.8	16	250.67	1013.61	247.83	24	60.31	158.89	77.00	32
P	PPM	974.38	657.75	2880	16	465.83	170.49	798.83	24	1033.33	731.39	2535.00	33
PB	PPM	29.45	40.07	134.5	11	6.95	3.2	13.64	19	17.50	15.39	50.40	8
SR	PPM	290.25	300.31	1140	16	60.63	17.81	86.73	24	182.70	549.46	502.50	33
TI	%	1.16	0.12	1.31	3	0.13	0.05	0.22	13	0.00	0.00	0.00	0
V	PPM	99.38	115.25	366	16	43.63	26.97	89.7	24	104.24	129.14	370.50	33
W	PPM	20	8.16	29.7	3	114	144.58	411.25	5	17.14	8.81	38.60	14
ZN	PPM	764.88	1399.59	4970	16	38.84	22.8	104.77	19	39.87	39.98	154.50	31
LA	PPM	30	14.14	51.8	4	32.11	18.23	61.58	19	196.07	265.00	559.00	28
U	PPM	0	0	0	0	25	15	39.6	2	0.00	0.00	0.00	0
KNR		0.92	0.25	1.17	6	0.91	0.7	2	20	0.00	0.00	0.00	0
CCR		50.23	74.37	233	7	61.5	212.3	162.25	21	26.63	48.97	148.50	29
FTR		0.75	0.08	0.87	3	5.31	9.43	38.38	13	0.00	0.00	0.00	0
PTR		0.86	0.05	0.93	3	4.63	2.82	12.85	13	0.00	0.00	0.00	0
LTR		0	0	0	0	2.24	1.12	4.92	12	0.00	0.00	0.00	0
WMT		0.21	0.03	0.23	2	5.12	12.2	34.95	7	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #2

Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	ALL DATA			1359	ROCK TYPE -> HOOV			192	ROCK TYPE -> SLAB			191
Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU ppb	78.03	638.76	266.18	1359	179.48	1465.84	570	192	166.81	754.09	563.33	191
AG PPM	0.83	5.28	2.65	1359	0.23	0.45	0.91	192	2.52	11.34	7.09	191
AL %	6.32	2.05	8.94	1359	6.66	2.34	10.08	192	6.86	1.51	8.75	191
BA PPM	796.75	1021.6	2660.23	1359	658.13	839.99	2426.67	192	633.66	441.43	1309.00	191
BE PPM	0.64	2.27	1.98	1359	1.36	5.68	3.9	192	1.13	1.35	3.40	191
BI PPM	10.6	119.9	28.95	1359	7.68	46.7	9.81	192	4.69	17.96	8.67	191
CA %	3.81	3.67	11.25	1359	4.07	3.83	11.97	192	4.53	3.14	9.83	191
CD PPM	0.57	5.41	1.44	1359	0.3	0.13	0.52	192	0.38	0.30	0.52	191
CO PPM	43.1	192.69	106.1	1359	15.49	29.7	54	192	32.00	66.05	115.88	191
CR PPM	70.69	51.21	133.08	1359	49.92	51.01	132.21	192	88.10	43.90	141.50	191
CUG PPM	1901.23	3310.49	9809.75	1359	2649.67	3911.12	10630.77	192	2429.49	3491.00	9847.07	191
CUA %	4.1	9.08	10.63	145	4.17	5.98	25.8	36	2.34	1.58	5.14	23
FE %	5.28	3.71	11.35	1359	4.54	3.99	12.2	192	3.00	1.92	7.61	191
K %	3.15	2.4	7.37	1359	1.96	2.15	5.81	192	2.63	1.44	4.76	191
MG %	1.82	1.74	4.3	1359	0.61	1.09	2.2	192	1.19	0.63	2.13	191
MN PPM	1612.56	1451.87	4324.56	1359	1252.37	1392.52	3430	192	1059.24	712.09	2563.33	191
MO PPM	9.74	68.71	27.47	1359	7.77	67.5	14.79	192	15.73	107.74	40.14	191
NA %	1.63	1.71	5.21	1359	2.75	2.13	6.36	192	2.71	1.31	5.42	191
NI PPM	48.38	316.2	103.52	1359	25.58	22.97	72.6	192	30.81	24.78	67.35	191
P PPM	794.58	641.87	1440.5	1359	794.77	984.41	1620	192	908.14	344.86	1456.39	191
PB PPM	6.7	52.67	14.87	1359	1.99	2.55	8.19	192	14.26	123.22	29.58	191
SR PPM	81.71	176.66	250.98	1359	75.84	58.52	220.5	192	134.33	83.86	292.25	191
TI %	0.18	0.19	0.56	1359	0.07	0.1	0.27	192	0.24	0.18	0.36	191
V PPM	79.8	89.63	237.71	1359	55.59	41.26	109	192	72.97	132.40	129.15	191
W PPM	27.37	66.36	97.27	1359	31.46	101.27	135	192	22.45	45.33	140.90	191
ZN PPM	58.91	224.91	152.56	1359	37.92	99.47	122	192	41.46	38.68	112.26	191
LA PPM	42.8	99.26	133.39	1359	43.06	103.42	137.14	192	26.06	40.65	93.63	191
U PPM	11.8	46.2	40.06	1019	11.03	26.45	44.2	92	9.01	20.80	38.25	167
KNR	8.58	14.25	40.96	1359	1.66	2.55	6.42	192	1.61	2.45	3.74	191
CCR	21.82	72.23	124.1	1359	39.58	81.69	241.6	192	16.56	43.86	104.50	191
FTR	3.24	8.93	7.95	1359	3.64	12.24	9.6	192	1.25	1.31	3.20	191
PTR	4.04	6.62	11.63	1359	2.95	4	11.7	192	4.01	4.11	8.82	191
LTR	2.85	18.85	7.59	1359	4.74	35.84	8.92	192	1.13	1.43	3.75	191
WMT	4.5	34.16	11.74	1359	14.24	85.56	29.33	192	1.58	4.63	6.23	191

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> OLYM			197	ROCK TYPE -> MICA			140	ROCK TYPE -> HAIL			50
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	34.39	156.82	126	197	30.54	99.68	91.67	140	19.95	51.88	67.50	50
AG	PPM	0.7	2.51	4	197	0.99	8.44	1.97	140	0.20	0.30	0.58	50
AL	%	6.21	1.85	7.98	197	6.15	2.02	8.11	140	6.65	1.34	8.48	50
BA	PPM	1207.92	1588.71	4830	197	708.94	793.91	2500	140	615.80	241.73	1065.80	50
BE	PPM	0.33	0.27	0.99	197	0.36	0.36	1.06	140	0.25	0.00	0.25	50
BI	PPM	5.75	29.88	13.3	197	6.87	41.63	9.85	140	3.20	3.53	11.93	50
CA	%	3.41	2.66	6.6	197	2.93	2.68	8.12	140	2.81	2.80	5.07	50
CD	PPM	0.58	3.19	0.82	197	0.35	0.26	0.52	140	0.32	0.11	0.50	50
CO	PPM	46.3	258.57	123.86	197	107.14	394.55	500	140	20.76	19.33	58.75	50
CR	PPM	70.03	57.88	115.37	197	76.03	42.13	130	140	89.62	24.28	119.02	50
CUG	PPM	1590.82	3016.61	10007.5	197	863.38	2295.79	130	140	1853.28	3335.89	9775.00	50
CUA	%	5.5	7.2	30.4	16	4.32	5.03	15.97	7	1.93	0.73	2.95	5
FE	%	6.32	3.29	11.26	197	5.93	4.3	15.97	140	5.82	1.80	9.53	50
K	%	4.23	2.45	7.68	197	4.07	2.36	7.6	140	5.43	1.75	8.06	50
MG	%	2.31	2.03	4.79	197	2.21	1.5	7.6	140	1.88	1.64	3.00	50
MN	PPM	2013.38	1123.5	3777.86	197	1673.06	1764.99	4950	140	2591.50	1152.56	4650.00	50
MO	PPM	5.65	15.63	14.52	197	8.43	32.24	28	140	3.87	17.93	4.45	50
NA	%	0.68	1.15	3.32	197	1.08	1.37	4.2	140	0.88	1.13	2.92	50
NI	PPM	37.19	55.15	110.75	197	47.64	92.66	208.33	140	21.90	20.85	72.50	50
P	PPM	808.71	645.5	1372.5	197	882.68	959.58	2166.67	140	782.80	285.78	1150.30	50
PB	PPM	8.08	33.52	26.77	197	4.84	19.51	21.67	140	1.46	2.23	4.13	50
SR	PPM	54.95	76.88	212.6	197	22.28	13.43	21.67	140	18.62	15.98	30.00	50
TI	%	0.16	0.14	0.39	197	0.14	0.11	0.29	140	0.20	0.09	0.38	50
V	PPM	92.19	77.33	265.75	197	76.3	99.88	0.29	140	64.72	32.70	140.00	50
W	PPM	29.95	55.76	75.75	197	28.29	58.43	75	140	35.65	42.72	105.00	50
ZN	PPM	70.94	265.05	229.12	197	33.07	88.17	93.33	140	28.40	22.00	74.25	50
LA	PPM	35.93	36.76	99.68	197	64.45	94.19	93.33	140	91.05	309.29	243.75	50
U	PPM	7.7	12.77	29.55	152	6.55	15.25	31.35	113	8.20	14.52	20.56	50
KNR		20.33	19.55	52.69	197	9.98	12.72	39	140	22.28	18.73	51.75	50
CCR		17.4	60.58	77.25	197	9.19	31.54	37.33	140	15.75	31.78	100.00	50
FTR		3.8	11.44	8.57	197	4.22	8.48	14	140	3.08	1.12	5.26	50
PTR		3.79	3.51	9.93	197	6.64	14.26	14	140	4.89	6.31	7.25	50
LTR		1.7	1.89	5.66	197	4.86	12	16.5	140	11.36	61.89	14.54	50
WMT		3.62	13.69	8.01	197	4.77	17.62	22.5	140	2.09	2.48	8.10	50

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

element	ROCK TYPE -> URSU 65				ROCK TYPE -> JAZZ 112				ROCK TYPE -> RAM 80			
	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU ppb	33.54	76.4	195	65	45.76	80.94	188	112	47.69	100.00	250.00	80
AG PPM	0.46	1.35	1.88	65	0.52	1.14	3.42	112	0.75	1.87	4.20	80
AL %	5.75	2.4	9.35	65	6.3	1.62	8.08	112	6.84	1.30	8.24	80
BA PPM	653.23	736.87	1750	65	1024.46	721.19	1880	112	974.76	983.45	2250.00	80
BE PPM	0.5	1.02	1.44	65	0.35	0.55	0.56	112	0.48	0.46	1.46	80
BI PPM	2.78	3.97	7.58	65	2.94	4.55	7.88	112	6.03	11.56	12.00	80
CA %	4.38	3.83	14.01	65	3.65	3.23	10.72	112	2.98	1.80	5.85	80
CD PPM	0.28	0.08	0.47	65	0.56	1.97	0.7	112	0.40	0.25	0.98	80
CO PPM	40.23	131.02	131.25	65	39.33	104.54	117.5	112	66.53	267.71	108.33	80
CR PPM	87.31	68.78	191.25	65	56.78	41.6	105.67	112	86.51	46.93	140.00	80
CUG PPM	1662.56	2787.64	9931.25	65	1938.59	3369.46	9803.33	112	2299.37	3739.21	10133.33	80
CUA %	3.89	0.84	5.05	4	2.09	0.82	3.58	11	2.60	1.56	6.16	12
FE %	5.86	3.03	12.56	65	6.53	3.71	14.06	112	5.90	3.58	10.80	80
K %	2.14	1.54	4.75	65	5.35	2.42	8.93	112	4.03	2.16	7.15	80
MG %	2.41	1.79	6.47	65	2.31	2.1	5.72	112	1.92	1.08	3.83	80
MN PPM	3040.42	2017.71	6375	65	1812.95	1111.51	3840	112	1039.50	508.24	1950.00	80
MO PPM	4.48	6.84	17.06	65	11.83	36.22	34.65	112	33.57	184.07	135.00	80
NA %	1.78	1.7	5.17	65	0.41	0.73	2.44	112	1.36	1.18	3.90	80
NI PPM	27.55	27.78	93.63	65	33.64	28.24	75.95	112	34.34	23.85	69.00	80
P PPM	687.08	469.76	1187.5	65	873.77	399.99	1380	112	717.44	396.53	1000.00	80
PB PPM	2.82	5.31	10.03	65	6.53	51.62	14.38	112	3.56	8.00	16.00	80
SR PPM	66.72	226.6	107.25	65	49.69	96.27	267.5	112	56.10	56.57	150.00	80
TI %	0.13	0.08	0.23	65	0.11	0.12	0.21	112	0.35	0.31	1.01	80
V PPM	50.95	31.87	79.5	65	87.46	93.67	320	112	111.94	107.64	358.33	80
W PPM	27.04	62.38	86.25	65	28.86	43.42	93.5	112	49.84	100.06	250.00	80
ZN PPM	28.84	22.95	64.63	65	52.82	153.49	165.33	112	53.78	99.36	150.00	80
LA PPM	44.12	59.89	176.25	65	50.11	78.48	144	112	41.00	69.88	105.00	80
U PPM	13.1	20.52	49.83	62	10.03	18.48	31.5	80	36.50	147.15	70.00	80
KNR	4.39	6.74	16.13	65	18.42	16.95	42.84	112	9.88	12.08	37.00	80
CCR	35.82	136.91	131.25	65	29.08	108.34	180	112	9.44	19.54	65.00	80
FTR	7.59	13.53	41.13	65	3.94	5.23	10.2	112	2.58	3.96	6.00	80
PTR	7.21	10.07	29.38	65	5.88	5.69	17.2	112	3.16	2.36	7.20	80
LTR	4.16	13.11	9.04	65	3.23	5.24	8.85	112	1.83	2.10	6.32	80
WMT	3.51	7.83	17.75	65	4.08	13.5	11.9	112	6.57	22.70	27.50	80

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

		ROCK TYPE -> CLEV			14	ROCK TYPE -> QUAR			61	ROCK TYPE -> FAIR			16
element		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	3.21	1.99	9.65	14	8.98	26.38	32.18	61	10.78	15.78	56.80	16
AG	PPM	0.1	0	0.1	14	0.17	0.31	0.22	61	0.22	0.46	1.92	16
AL	%	6.49	1.57	7.41	14	6.84	1.42	8.47	61	5.93	2.00	7.80	16
BA	PPM	1130	337.36	1495.5	14	488.03	824.11	1590	61	211.25	214.27	781.00	16
BE	PPM	0.25	0	0.25	14	0.38	0.35	1.08	61	0.30	0.18	0.86	16
BI	PPM	5.79	2.57	11.89	14	4.59	4.77	15.95	61	1.75	1.15	4.12	16
CA	%	2.12	0.99	4.07	14	2.77	3.22	8.38	61	4.34	1.91	8.10	16
CD	PPM	0.48	0.24	1	14	0.52	0.62	1.49	61	0.25	0.00	0.25	16
CO	PPM	7.32	3.16	13.04	14	18.34	19.8	49.88	61	8.50	18.18	77.40	16
CR	PPM	78.93	8.48	93.53	14	84.95	29.01	133.51	61	13.69	7.17	25.20	16
CUG	PPM	18.86	34.27	104.55	14	678.75	2173.98	3272.5	61	1843.28	2535.25	9880.00	16
CUA	%	0	0	0	0	1.63	0.48	2.22	3	1.64	2.69	1.92	1
FE	%	6.02	2.44	11.6	14	4.69	3.08	10.48	61	7.69	5.01	24.30	16
K	%	6.44	1.76	7.93	14	1.56	1.38	4.02	61	1.21	1.03	2.80	16
MG	%	1.63	0.53	2.58	14	2.15	1.42	4.89	61	2.19	1.72	4.38	16
MN	PPM	888.93	263	1493.43	14	1156.23	847.29	2790	61	1896.25	1467.22	4970.00	16
MO	PPM	1.79	1.46	6.05	14	1.71	3.23	5.98	61	0.94	0.66	2.88	16
NA	%	0.32	0.34	1.22	14	2.89	1.7	5.46	61	3.13	1.53	5.68	16
NI	PPM	17.07	4.42	24.37	14	28.38	21.95	65.91	61	54.63	32.09	105.60	16
P	PPM	1049.29	696.21	2895	14	729.55	362.84	1345.5	61	515.63	259.69	1053.00	16
PB	PPM	1.21	0.77	3.86	14	8.64	50.87	14.73	61	1.19	0.73	3.84	16
SR	PPM	17.86	8.11	38.6	14	48.31	42.91	164.75	61	111.06	75.93	284.00	16
TI	%	0.18	0.04	0.24	14	0.27	0.17	0.56	61	0.00	0.00	0.00	16
V	PPM	69	18.92	110.85	14	94.3	89.55	349.5	61	121.88	89.50	244.00	16
W	PPM	18.57	7.42	38.6	14	17.13	18.77	40.39	61	20.47	12.03	39.60	16
ZN	PPM	16.86	3.68	25.23	14	76.3	252.27	160.88	61	160.88	476.77	1920.00	16
LA	PPM	57.86	62.13	259.5	14	31.11	29.05	82.31	61	10.63	18.82	61.20	16
U	PPM	2.5	0	2.5	14	11.27	28.41	55.65	61	0.00	0.00	0.00	0
KNR		38.18	18.2	64.35	14	1.16	1.42	4.88	61	0.63	0.27	1.21	16
CCR		0.31	0.38	1.17	14	2.08	5.63	19.42	61	29.69	42.17	162.00	16
FTR		4.18	4.64	19.3	14	3.42	11.7	5.95	61	0.50	0.00	0.50	16
PTR		6.46	4.86	19.3	14	4.83	8.07	14.95	61	0.50	0.00	0.50	16
LTR		4.86	9.42	38.25	14	1.53	1.51	4.79	61	0.50	0.00	0.50	16
WMT		1.38	1.46	6.4	14	1.09	1.86	5.38	61	0.50	0.00	0.50	16

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> ARCT 25				ROCK TYPE -> REID 19				ROCK TYPE -> EAGL 22			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	7	12.12	26.25	25	22.89	22.22	77.27	19	96.93	247.64	178.50	22
AG	PPM	0.3	0.6	1.61	25	2.77	4.28	15.05	19	1.29	2.86	7.63	22
AL	%	5.77	1.83	7.45	25	3.35	1.69	6.42	19	5.63	2.33	8.37	22
BA	PPM	2333.6	2015.51	6375	25	84.74	141.66	631.75	19	815.00	923.86	2975.00	22
BE	PPM	0.33	0.17	0.52	25	0.34	0.23	0.99	19	0.35	0.26	1.02	22
BI	PPM	5.36	5.35	14.63	25	340.05	908.04	3762.5	19	51.86	190.44	95.00	22
CA	%	5.54	4.53	16.75	25	0.35	0.87	3.01	19	6.54	5.59	17.85	22
CD	PPM	0.4	0.21	1.01	25	0.46	0.62	2.86	19	8.97	39.94	9.95	22
CO	PPM	36.12	71.42	255	25	49.53	135.2	596.75	19	105.07	284.14	1011.50	22
CR	PPM	72.92	43	109.17	25	64.05	64.71	195.75	19	8.82	4.42	16.90	22
CUG	PPM	1368.3	3215.64	10066.67	25	5694.68	3833.61	10299.58	19	3857.82	3716.32	10241.00	22
CUA	%	3.66	2.01	5.95	2	5.16	2.81	10.29	6	2.78	2.42	7.65	5
FE	%	4.93	2.78	10.32	25	3.96	2.76	10.53	19	4.47	4.82	8.90	22
K	%	2.63	1.96	5.96	25	0.94	1.28	4.81	19	2.52	1.72	4.49	22
MG	%	3.61	3.33	11.69	25	1.32	0.84	2.55	19	0.86	0.97	1.74	22
MN	PPM	3023.4	1457.54	5556.25	25	233.68	466.71	1905	19	2516.82	2433.28	8670.00	22
MO	PPM	1.46	2.69	10.24	25	1.29	0.78	2.9	19	8.89	18.98	26.55	22
NA	%	2.09	1.78	5.36	25	0.04	0.06	0.24	19	1.72	1.48	4.51	22
NI	PPM	26.52	26.78	82.88	25	204.53	507.13	2257.5	19	565.05	2083.53	1950.00	22
P	PPM	777.2	801.7	1950	25	272.76	294.12	1278.75	19	843.75	386.68	1415.50	22
PB	PPM	2.12	2.64	8.29	25	5.05	5.51	19.57	19	13.36	38.83	28.02	22
SR	PPM	116.24	147.86	306.25	25	6.16	3.33	14.49	19	140.95	78.73	338.00	22
TI	%	0.22	0.21	0.76	25	0.02	0.03	0.1	19	0.01	0.00	0.01	22
V	PPM	74.6	69.78	191.25	25	25.05	15.37	58.1	19	55.75	27.87	90.77	22
W	PPM	42.6	89.84	155	25	15.13	29.95	101.44	19	48.30	168.29	156.00	22
ZN	PPM	46.24	39.93	127.5	25	76.95	100.99	401.25	19	44.55	50.35	148.50	22
LA	PPM	20.8	29.37	80.63	25	15.39	10.58	29.52	19	35.57	88.61	198.00	22
U	PPM	5.4	8.02	28.75	25	2.5	0	2.5	6	0.00	0.00	0.00	0
KNR		8.94	15.51	35	25	3.01	5.08	18.07	19	1.41	1.17	3.57	22
CCR		2.63	6.58	13.13	25	96.35	137.27	456.75	19	65.22	70.15	198.00	22
FTR		4.37	5.64	13.31	25	8.96	25.16	110.82	19	0.50	0.00	0.50	22
PTR		5.3	5.07	20.63	25	1.36	2.1	8.83	19	0.50	0.00	0.50	22
LTR		1.43	1.85	5.29	25	1.08	1.04	3.38	19	0.50	0.00	0.50	22
WMT		4.36	9.68	29.38	25	2.62	7.49	32.1	19	0.50	0.00	0.50	22

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted 1/2 Detection Limit Used No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> PLUM 16				ROCK TYPE -> MMM 24				ROCK TYPE -> TVA 33			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	2.97	1.82	8.64	16	209.38	750.11	560	24	95.91	206.13	583.75	33
AG	PPM	0.35	0.71	2.64	16	0.7	1.38	3.43	24	0.81	1.83	5.56	33
AL	%	5.51	2.49	9.72	16	8.32	1.64	10.64	24	4.20	3.14	9.16	33
BA	PPM	310.63	246.54	1032	16	352.92	234.72	774	24	1198.18	2040.70	6675.00	33
BE	PPM	0.73	0.97	3.8	16	0.88	0.88	1.98	24	0.30	0.18	0.86	33
BI	PPM	2	2.69	11.83	16	8.21	21.92	15.4	24	3.91	6.35	15.52	33
CA	%	9.71	9.17	24.5	16	1.26	2.98	8.1	24	2.93	4.18	13.35	33
CD	PPM	2.27	5.58	22.8	16	0.36	0.18	0.54	24	0.25	0.00	0.25	33
CO	PPM	2.47	3.55	12.78	16	156.77	334.5	918	24	8.15	13.37	25.72	33
CR	PPM	9.06	6.33	28.8	16	57.13	48.24	128	24	10.70	7.29	26.70	33
CUG	PPM	697.56	1109.05	3960	16	2466.96	3273.5	10080	24	1512.09	2912.26	9881.25	33
CUA	%	0	0	0	0	5.88	0.32	6.19	2	2.55	0.42	3.04	2
FE	%	4.67	2.78	9.94	16	4.82	3.11	12.64	24	10.20	6.33	22.01	33
K	%	1.29	1.15	3.36	16	1.53	1.03	2.98	24	2.16	2.31	5.75	33
MG	%	0.8	0.97	2.55	16	1.1	0.99	3.45	24	2.00	1.80	5.30	33
MN	PPM	1939.06	1570.62	5680	16	1068.13	1776.03	5310	24	2520.45	2836.16	10115.00	33
MO	PPM	1.66	1.78	6.12	16	1.19	1.11	2.97	24	35.65	63.98	170.25	33
NA	%	1.77	1.76	5.49	16	2.82	1.29	5.04	24	0.11	0.40	1.62	33
NI	PPM	25.44	15.55	60.8	16	250.67	1013.61	247.83	24	58.50	156.80	76.75	33
P	PPM	974.38	657.75	2880	16	465.83	170.49	798.83	24	1033.33	731.39	2535.00	33
PB	PPM	20.56	35.75	127.8	16	5.71	3.74	12.16	24	5.00	10.36	35.87	33
SR	PPM	290.25	300.31	1140	16	60.63	17.81	86.73	24	182.70	549.46	502.50	33
TI	%	0.22	0.45	1.22	16	0.07	0.07	0.21	24	0.00	0.00	0.00	33
V	PPM	99.38	115.25	366	16	43.63	26.97	89.7	24	104.24	129.14	370.50	33
W	PPM	5.78	7.69	28.4	16	25.73	80.03	76	24	8.71	9.23	28.38	33
ZN	PPM	764.88	1399.59	4970	16	30.85	25.57	89.7	24	37.48	39.87	153.50	33
LA	PPM	9.38	13.85	49.7	16	25.94	20.19	58	24	166.74	253.77	542.75	33
U	PPM	0	0	0	0	5.5	9.41	38.13	15	0.00	0.00	0.00	0
KNR		0.66	0.26	1.15	16	0.85	0.66	1.94	24	0.50	0.00	0.50	33
CCR		22.26	55.03	228	16	53.87	199.61	140	24	23.46	46.69	147.83	33
FTR		0.55	0.11	0.78	16	3.11	7.34	5.8	24	0.50	0.00	0.50	33
PTR		0.57	0.14	0.89	16	2.74	2.93	8.1	24	0.50	0.00	0.50	33
LTR		0.5	0	0.5	16	1.37	1.18	2.98	24	0.50	0.00	0.50	33
WMT		0.46	0.1	0.51	16	1.85	6.91	1.49	24	0.50	0.00	0.50	33

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #3

Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | Detection Limit Samples Ignored | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

		ALL DATA			1359	ROCK TYPE -> HOOV			192	ROCK TYPE -> SLAB			191
	Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	91.57	1.4	491.66	670	191.05	1.62	1047.67	86	251.82	1.58	1346.52	95
AG	PPM	3.42	1.29	11.97	228	0.94	0.78	2.58	29	11.09	1.64	74.63	39
AL	%	6.86	0.57	9.04	1338	7.14	0.52	10.47	188	7.01	0.28	8.79	189
BA	PPM	995.03	1.35	2778.46	1356	951.18	1.73	2536.36	192	727.18	0.98	1369.22	191
BE	PPM	1.5	0.75	4.37	359	2.41	0.91	7.93	72	1.55	0.75	4.67	126
BI	PPM	7.7	0.92	18.78	695	7.59	0.91	13.32	85	5.90	0.76	11.89	102
CA	%	4.8	1.07	11.34	1265	5.95	1.17	12.99	164	5.01	0.79	10.24	183
CD	PPM	0.74	0.61	1.47	374	0.57	0.24	0.98	29	0.58	0.32	1.02	71
CO	PPM	30.43	1.26	108.44	1292	18.62	1.22	62.48	162	29.21	1.09	117.98	184
CR	PPM	84.86	1.08	143.18	1357	55.07	1.25	145.21	192	97.36	0.77	145.17	191
CUG	PPM	6567.55	2.73	9067.74	1332	10490.22	2.73	15651.16	188	12257.03	2.85	12561.44	191
CUA	%	3.38	0.78	10.71	145	3.63	0.79	16.45	36	2.28	0.51	5.63	23
FE	%	5.43	0.64	11.81	1332	4.79	0.72	12.28	181	3.02	0.54	7.69	189
K	%	4.5	1.14	7.6	1226	5.05	1.6	6.64	134	2.98	0.74	4.89	183
MG	%	2.13	0.79	4.57	1211	1.15	1.06	3.16	110	1.30	0.57	2.22	181
MN	PPM	1772.7	0.96	4385.11	1346	1272.09	0.9	3709.71	192	1104.12	0.74	2637.92	191
MO	PPM	7.94	1.27	39	870	4.63	1.11	18.19	118	11.57	1.40	49.11	125
NA	%	2.54	1.41	5.31	1192	3.85	1.03	6.72	166	2.90	0.62	5.37	188
NI	PPM	34.81	0.86	91.45	1358	26.51	0.88	74.17	192	30.78	0.63	68.29	191
P	PPM	828.42	0.62	1450.96	1332	784.82	0.6	1553.7	186	944.42	0.47	1423.17	189
PB	PPM	13.55	1.05	74.5	357	6.56	0.46	12.69	34	12.97	1.09	49.63	77
SR	PPM	76.12	1.06	256.95	1359	75.83	0.7	217.92	192	137.87	0.68	286.06	191
TI	%	0.25	0.78	0.65	1000	0.15	0.79	0.32	90	0.28	0.55	0.37	167
V	PPM	79.99	0.79	237.84	1353	58.54	0.74	114.64	191	71.12	0.81	112.97	190
W	PPM	37.47	0.9	138.11	816	77.2	1.24	507.1	64	38.10	1.02	171.53	96
ZN	PPM	47.17	1.03	154.12	1292	38.14	1.1	138.13	159	46.06	0.92	117.54	181
LA	PPM	56.33	0.88	174.35	918	77.42	0.93	489.26	93	44.60	0.77	119.84	104
U	PPM	32.4	0.87	109.32	264	44.84	0.86	157.79	18	29.73	0.84	117.40	37
KNR		18.19	1.97	46.73	1107	6.5	2.11	9.13	115	1.71	1.07	3.82	183
CCR		56.16	2.77	139.5	1268	254.21	2.9	244.64	160	34.58	2.56	97.16	184
FTR		3.43	0.9	11.95	995	5.39	1.1	25.03	90	1.29	0.54	3.48	166
PTR		5.21	0.82	13.99	988	5.94	0.67	16.69	86	4.46	0.63	11.62	166
LTR		3.55	1.09	10.51	713	8.92	1.26	39.95	49	1.89	0.84	4.62	88
WMT		3.69	1.65	19.63	888	22.9	2.27	200.78	72	1.69	1.54	8.95	138

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> OLYM 197				ROCK TYPE -> MICA 140				ROCK TYPE -> HAIL 50			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	37.18	1.12	242.79	115	52.04	1.11	302.35	62	37.48	1.15	213.35	21
AG	PPM	3.79	1.29	19.74	32	3.4	1.36	35.02	17	0.44	0.68	1.43	14
AL	%	6.85	0.58	8.19	193	6.85	0.67	8.38	139	7.30	0.57	8.59	50
BA	PPM	1381.55	1.31	4846.57	197	874.76	1.22	2216.37	138	690.33	0.72	1109.70	50
BE	PPM	0.79	0.48	1.77	30	1.07	0.51	2.71	19	0.00	0.00	0.00	0
BI	PPM	6.64	0.81	17.38	104	6.55	0.82	11.83	76	5.15	0.66	13.50	26
CA	%	4.03	0.83	7.61	185	3.43	1.01	8	137	2.99	0.87	5.20	50
CD	PPM	0.88	0.75	2.36	48	0.63	0.39	1.5	34	0.00	0.00	0.50	15
CO	PPM	32.39	1.2	121.5	194	49.73	1.6	511.53	140	20.05	0.69	58.92	50
CR	PPM	80.04	0.96	122.75	195	87.51	0.93	147.6	140	97.48	0.58	125.62	50
CUG	PPM	2634.05	2.34	9288.03	196	1226.81	2.46	8422.98	127	4445.67	2.83	11747.90	50
CUA	%	5.08	1	31.44	16	3.93	0.85	15.72	7	1.93	0.39	3.10	5
FE	%	6.53	0.51	11.57	193	6.04	0.51	17.86	135	5.87	0.36	9.66	50
K	%	5.46	0.87	8.03	179	5.47	1.14	8.12	138	6.12	0.70	8.22	50
MG	%	2.42	0.62	4.88	187	2.26	0.55	4.21	137	1.84	0.58	3.07	50
MN	PPM	2151.66	0.73	3806.46	197	1797.7	0.89	5104.48	133	2707.98	0.61	4558.50	50
MO	PPM	6.02	0.98	18.17	148	7.53	1.26	42.95	104	3.22	1.04	7.84	27
NA	%	0.76	1.33	3.6	171	1.56	1.39	4.71	118	0.89	1.23	3.12	50
NI	PPM	33.36	0.73	115.74	197	38.81	0.92	213.84	140	21.82	0.87	70.83	50
P	PPM	845.5	0.57	1357.33	191	863.71	0.56	2017.63	138	802.29	0.43	1120.45	50
PB	PPM	21.69	1.33	200.87	47	21.26	1.26	104.78	23	8.55	0.58	17.50	3
SR	PPM	51.46	1	215.1	197	22.19	0.52	51.65	140	17.87	0.43	31.30	50
TI	%	0.22	0.7	0.45	148	0.19	0.65	0.3	108	0.20	0.40	0.39	49
V	PPM	96.06	0.79	270.18	195	70.95	0.54	205.45	139	65.56	0.52	137.83	50
W	PPM	36.47	0.75	90.18	145	32.06	0.76	93.83	108	33.44	0.81	116.67	49
ZN	PPM	47.17	1.04	228.39	196	27.7	0.96	96.63	132	27.78	0.62	70.80	50
LA	PPM	44.11	0.73	113.19	158	72.81	0.87	225.81	119	65.73	1.05	243.21	45
U	PPM	21.56	0.65	67.42	40	37.49	0.72	126.57	13	16.77	0.59	55.24	18
KNR		40.59	1.5	58.32	161	20.7	1.76	40.65	118	31.51	1.45	55.48	50
CCR		19.59	2.4	83.99	193	15.21	2.67	43.05	127	35.63	2.92	100.20	50
FTR		4.05	0.73	11.82	147	4.43	0.8	19.92	106	3.15	0.36	5.31	49
PTR		4.86	0.54	10.19	147	7.04	0.89	30.93	107	4.59	0.49	7.27	49
LTR		2.52	0.87	6.97	123	5.55	1.04	24.91	97	4.02	1.19	14.52	45
WMT		3.5	1.36	10.5	143	4.22	1.45	30.84	102	2.04	0.96	7.99	49

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

		ROCK TYPE -> URSU			65	ROCK TYPE -> JAZZ			112	ROCK TYPE -> RAM			80
element		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	75.83	1.28	266.55	27	50.86	1.08	241.69	90	116.93	1.31	438.08	34
AG	PPM	1.85	0.94	9.91	12	2.26	0.84	5.28	22	2.81	1.13	10.72	20
AL	%	6.57	0.81	9.53	65	6.61	0.5	8.13	112	7.17	0.44	8.44	80
BA	PPM	657.32	0.95	1853.95	65	1171.02	0.91	2046.41	112	1067.77	0.92	2466.30	79
BE	PPM	1.71	0.83	8.22	10	1.73	0.79	5.92	7	1.02	0.51	2.15	24
BI	PPM	6.1	0.61	12.28	22	5.3	0.71	15.7	47	8.20	0.70	22.48	50
CA	%	5.73	1.25	13.02	64	3.89	0.77	10.26	108	3.65	1.04	5.79	80
CD	PPM	0	0	0.5	7	0.87	0.72	2.93	33	0.60	0.32	1.19	33
CO	PPM	27.36	1.13	110.93	65	34.01	1.41	139.46	107	36.27	0.97	94.66	80
CR	PPM	100.89	0.93	217.34	65	66.22	1.08	112.66	112	86.29	0.45	142.22	80
CUG	PPM	5282.23	2.66	10764.4	64	6512.35	2.84	13633.46	112	9415.64	3.05	9011.01	79
CUA	%	3.89	0.22	5.23	4	2.09	0.4	3.68	11	2.59	0.58	6.69	12
FE	%	5.88	0.51	12.48	65	6.72	0.49	14.12	109	5.92	0.55	10.75	80
K	%	2.55	1.1	4.61	65	6.07	0.74	9.22	110	5.46	1.11	7.28	79
MG	%	2.62	0.89	6.63	65	2.33	0.65	5.88	109	2.08	0.75	3.98	80
MN	PPM	3771.78	0.91	6766.51	60	1903.66	0.69	4184.37	111	1109.96	0.69	1855.41	80
MO	PPM	5.84	0.94	20.98	46	13.84	1.33	58.11	78	32.05	1.86	220.66	41
NA	%	2.59	1.46	5.21	63	0.51	1.09	2.66	82	1.65	1.21	3.88	80
NI	PPM	28.29	0.97	92.85	65	33.15	0.68	76.92	112	34.10	0.55	67.28	80
P	PPM	777.5	0.71	1337.63	61	922.17	0.59	1388.9	111	790.18	0.67	1172.31	78
PB	PPM	9.25	0.79	36.03	14	15.11	1.22	120.46	15	14.59	0.90	51.54	15
SR	PPM	44.09	0.82	84.68	65	39.8	0.91	264.13	112	57.50	0.82	146.57	80
TI	%	0.15	0.7	0.26	59	0.15	0.58	0.48	78	0.35	0.76	1.02	78
V	PPM	52.14	0.61	78.72	65	82.87	0.7	311.89	112	107.55	0.78	357.08	80
W	PPM	36.49	0.98	219.18	38	33.9	0.81	113.44	87	54.85	1.02	286.22	61
ZN	PPM	29.64	0.71	62.05	64	43.77	1	170.12	109	47.62	0.89	129.73	80
LA	PPM	67.82	0.89	222.35	42	58.31	0.8	155.42	91	47.28	0.82	104.47	64
U	PPM	33.84	0.71	86.92	21	27.63	0.77	91.54	23	81.63	1.35	521.17	24
KNR		6.58	1.73	17.93	63	33.44	1.22	49.77	82	16.52	1.78	39.70	79
CCR		58.89	2.85	152.23	64	71.7	2.94	173.21	107	21.95	2.82	66.05	79
FTR		6.8	0.94	41.69	59	5.33	0.62	11.81	77	2.37	0.71	6.24	78
PTR		7.3	0.8	32.47	58	8.68	0.73	18.26	78	3.62	0.88	8.50	76
LTR		4.93	0.96	10.83	41	5.12	0.86	14.02	66	2.40	1.10	6.96	63
WMT		3.3	1.59	20.89	59	4.22	1.19	17.9	77	4.63	1.75	31.61	69

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

element	ROCK TYPE -> CLEV 14				ROCK TYPE -> QUAR 61				ROCK TYPE -> FAIR 16			
	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU ppb	7.5	0.35	10.73	2	19.9	0.98	121.65	18	28.99	0.63	66.05	5
AG PPM	0	0	0	0	1.16	0.91	2.05	4	2.00	0.48	1.99	1
AL %	6.83	0.52	7.95	14	7.32	0.5	8.62	61	6.37	0.27	7.71	15
BA PPM	1226.58	0.63	1526.82	14	576.77	1.61	1762.77	61	221.12	1.04	797.45	16
BE PPM	0	0	0	0	1.05	0.47	2	10	1.00	0.00	1.00	1
BI PPM	6.14	0.34	11.78	13	6.93	0.68	18.52	37	3.00	0.35	4.29	6
CA %	2.13	0.46	3.97	14	3.15	1.2	8.13	61	4.63	0.35	8.37	15
CD PPM	0.61	0.29	1.01	9	0.77	0.57	2.63	29	0.00	0.00	0.00	0
CO PPM	7.87	0.36	13.09	13	17.78	0.82	48.48	61	9.19	1.07	56.08	12
CR PPM	78.92	0.11	94.21	14	86.28	0.41	137.05	61	14.12	0.64	26.86	16
CUG PPM	19.2	1.67	118.12	12	520.52	2.33	8666.81	59	2235.36	1.55	9038.31	15
CUA %	0	0	0	0	1.64	0.32	2.3	3	1.64	2.69	1.92	1
FE %	5.96	0.28	10.98	14	4.72	0.63	10.56	61	7.72	0.59	22.28	16
K %	6.96	0.61	8.2	14	1.84	1.22	3.93	61	1.93	0.30	2.79	10
MG %	1.64	0.37	2.47	14	2.19	0.68	4.96	61	3.20	0.40	4.63	11
MN PPM	888.26	0.29	1525.38	14	1206.21	0.81	2878.96	61	2140.26	1.02	5261.91	16
MO PPM	1.94	0.58	5.8	12	2.79	0.86	12.5	28	1.35	0.40	2.96	8
NA %	0.34	1.09	1.2	14	3.51	0.98	5.7	61	3.58	0.30	5.92	14
NI PPM	17.06	0.25	24.83	14	29.24	0.81	69.62	61	57.45	0.78	99.34	16
P PPM	1015.48	0.39	2385.24	14	749.65	0.48	1342.45	60	533.87	0.63	1111.00	16
PB PPM	4	1.92	3.92	1	53.61	1.65	367.76	6	4.00	1.92	3.92	1
SR PPM	17.81	0.4	41.74	14	47.9	0.78	158.61	61	133.54	1.07	282.52	16
TI %	0.18	0.28	0.24	14	0.28	0.64	0.56	61	0.00	0.00	0.00	0
V PPM	68.84	0.24	116.9	14	92.01	0.78	354.98	61	151.04	1.21	238.43	16
W PPM	18.57	0.39	37.96	14	20.53	0.6	62.92	47	24.99	0.47	38.23	13
ZN PPM	16.9	0.24	25.44	14	45.24	1.13	169.37	61	77.23	1.08	440.67	16
LA PPM	56.05	0.81	261.32	14	40.91	0.68	91.33	46	35.58	0.90	65.38	4
U PPM	0	0	0	0	37.9	0.91	203.53	14	0.00	0.00	0.00	0
KNR	42.39	0.84	62.76	14	1.61	1.69	4.94	61	0.74	0.46	1.28	9
CCR	0.24	1.65	1.4	11	1.68	1.9	19.27	59	69.13	1.85	173.49	12
FTR	3.8	0.54	13.28	14	2.24	0.75	6.24	61	0.00	0.00	0.00	0
PTR	6.21	0.53	18.77	14	4.57	0.94	15.01	60	0.00	0.00	0.00	0
LTR	3.83	1.02	23.92	14	1.91	0.87	6.16	46	0.00	0.00	0.00	0
WMT	1.27	0.58	4.35	14	1.05	1.01	5.6	51	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> ARCT 25				ROCK TYPE -> REID 19				ROCK TYPE -> EAGL 22			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	24.31	0.62	64.78	5	32.55	0.68	78.21	13	117.39	1.42	1167.64	15
AG	PPM	1.35	0.77	3.26	4	5.92	0.95	15.53	9	6.63	0.47	11.74	4
AL	%	6.02	0.53	7.96	25	3.39	0.57	6.16	19	6.06	0.49	8.43	21
BA	PPM	4287.31	1.77	7151.59	25	72.56	1	428.35	19	879.63	1.28	2783.70	22
BE	PPM	0.58	0.26	0.99	6	0.84	0.33	1	3	0.00	0.00	1.00	3
BI	PPM	8.4	0.67	20	15	926.35	2.61	4267.18	10	27.39	1.47	243.55	17
CA	%	5.61	0.78	18.3	25	0.93	2.15	3.4	8	7.28	0.77	18.07	20
CD	PPM	0.59	0.27	1	11	1.2	0.73	2.98	4	192.00	27.64	200034.80	1
CO	PPM	26.58	0.94	179.95	25	37.13	1.71	553.58	19	56.68	1.86	825.15	21
CR	PPM	74.95	0.62	111.25	25	62.37	1	174.49	19	9.21	0.65	18.17	22
CUG	PPM	1273.87	2.75	9556.55	24	9409.18	1.53	9894.02	19	5691.18	1.53	12713.10	22
CUA	%	3.66	0.62	6.39	2	5.21	0.6	10.33	6	2.67	0.79	7.71	5
FE	%	5.19	0.74	10.25	25	4.18	0.62	10.04	18	4.19	0.66	8.27	22
K	%	3.08	1.14	6.76	25	1.84	1.07	5.36	11	3.32	0.46	4.99	17
MG	%	3.44	0.7	11.83	25	1.67	0.33	2.57	15	1.42	0.38	3.22	13
MN	PPM	3085.6	0.57	5507.11	25	181.23	1.15	1438.91	19	2442.42	0.83	8064.67	22
MO	PPM	3.14	0.99	10.79	8	1.56	0.43	3.07	14	13.19	1.18	84.21	13
NA	%	3.92	1.74	5.45	25	0.11	0.4	0.24	6	2.34	0.48	5.25	16
NI	PPM	26.25	0.96	91.05	25	139.62	1.35	1393.53	19	165.20	1.58	1792.08	22
P	PPM	785.61	0.84	2145.16	25	312.23	1.04	1090.26	18	899.59	0.47	1458.62	21
PB	PPM	5.7	0.67	12.54	6	9.81	0.63	21.62	9	27.86	1.15	200.61	8
SR	PPM	106.67	0.86	351.41	25	6.12	0.5	13.37	19	167.97	0.93	336.52	22
TI	%	0.23	0.97	0.79	25	0.05	0.74	0.11	6	0.00	0.00	0.00	0
V	PPM	73.38	0.81	205.52	25	25.3	0.64	55.13	19	60.80	0.61	91.88	21
W	PPM	44.22	1.03	254.06	19	63.27	0.72	108.15	4	66.66	1.46	725.81	9
ZN	PPM	49.75	0.98	131.29	25	72.02	1.12	325.9	19	57.55	1.06	154.27	18
LA	PPM	37.3	0.84	115.92	13	20.13	0.47	32.45	14	70.10	1.18	353.47	9
U	PPM	26.69	0.19	30.34	3	0	0	0	0	0.00	0.00	0.00	0
KNR		14.13	2.12	42.82	25	9.38	1.1	17.47	6	2.21	0.84	3.77	13
CCR		2.32	2.19	18.96	24	110.2	1.6	456.61	19	243.44	2.42	191.90	21
FTR		4.03	0.9	13.09	25	24.89	1.46	103.15	6	0.00	0.00	0.00	0
PTR		5.28	0.82	20.35	25	4.38	1.22	9.42	5	0.00	0.00	0.00	0
LTR		2.37	1.07	8.63	13	2.73	0.32	3.55	5	0.00	0.00	0.00	0
WMT		3.89	1.39	36.98	19	13.23	1.17	42.52	3	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

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FILE=93STATDT

element	ROCK TYPE -> PLUM 16				ROCK TYPE -> MMM 24				ROCK TYPE -> TVA 33			
	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU ppb	10	5.3	9.61	1	119.14	1.67	526.25	20	181.12	1.38	904.16	17
AG PPM	2.1	0.35	3	2	2.19	1.01	5.61	7	3.36	0.72	9.95	7
AL %	5.93	0.41	9.58	15	8.36	0.25	10.79	24	5.57	0.67	8.89	26
BA PPM	336.86	0.93	1044.8	16	372.18	0.84	811.28	24	1274.37	1.53	7349.52	33
BE PPM	1.76	0.55	4.18	5	1.31	0.65	3.72	14	0.00	0.00	1.00	2
BI PPM	4.81	0.73	11.91	4	9.17	1.06	53.9	15	5.78	0.88	24.42	18
CA %	11.94	0.75	28.92	13	1.3	1.32	9.91	17	4.72	0.83	15.18	20
CD PPM	10.61	0.72	26.86	3	0.55	0.22	0.91	9	0.00	0.00	0.00	0
CO PPM	5.09	0.94	13.83	7	238.86	2.12	1399.6	21	8.85	1.18	26.04	29
CR PPM	8.9	0.56	30.36	16	69.37	1.32	140.53	24	11.08	0.74	24.74	33
CUG PPM	1215.62	2.3	2735.38	16	3116.7	1.68	11706.29	24	2382.68	2.35	9894.74	33
CUA %	0	0	0	0	5.88	0.05	6.23	2	2.54	0.16	3.05	2
FE %	4.63	0.56	10.06	16	4.79	0.6	12.22	24	10.73	0.65	23.79	32
K %	2.06	0.37	3.47	10	1.91	0.61	3.36	20	4.03	0.52	6.22	18
MG %	1.81	0.3	2.65	7	1.4	0.65	3.51	19	2.63	0.57	5.45	25
MN PPM	1943.04	0.79	6055.52	16	886.87	1.03	5572.43	24	3310.54	1.44	11717.21	33
MO PPM	2.5	0.71	6.25	9	1.98	0.55	5.24	11	49.94	1.68	185.18	28
NA %	2.82	0.48	5.33	10	2.83	0.46	5.03	24	1.67	0.02	1.69	2
NI PPM	25.1	0.54	58.76	16	79.95	1.22	122.76	24	46.62	1.03	73.41	32
P PPM	959.69	0.51	3360.46	16	469.65	0.41	819.52	24	1064.14	0.74	2537.65	33
PB PPM	26.05	1.06	126.28	11	7.05	0.53	13.08	19	16.95	0.79	47.24	8
SR PPM	281.97	0.9	1149.42	16	61.08	0.34	86.66	24	113.15	1.39	478.47	33
TI %	1.16	0.1	1.3	3	0.13	0.58	0.22	13	0.00	0.00	0.00	0
V PPM	99.74	1.07	385.19	16	48.83	0.94	96	24	101.84	0.92	331.15	33
W PPM	20.09	0.45	32.64	3	106.02	1.21	420.16	5	17.01	0.46	38.81	14
ZN PPM	782.57	2.04	4466.32	16	38.77	0.53	97.2	19	39.27	0.83	152.34	31
LA PPM	30.61	0.59	53.3	4	33.07	0.7	61.04	19	213.88	1.41	591.49	28
U PPM	0	0	0	0	25	0.69	41.75	2	0.00	0.00	0.00	0
KNR	0.93	0.37	1.21	6	1.01	0.97	2.22	20	0.00	0.00	0.00	0
CCR	44.2	1.19	229.37	7	33.16	2.39	166.04	21	29.16	1.94	139.24	29
FTR	0.75	0.11	0.87	3	4.14	0.81	19.56	13	0.00	0.00	0.00	0
PTR	0.86	0.06	0.92	3	4.55	0.48	10.37	13	0.00	0.00	0.00	0
LTR	0	0	0	0	2.28	0.57	5.09	12	0.00	0.00	0.00	0
WMT	0.21	0.13	0.23	2	1.5	2.01	35.61	7	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #4

Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

		ALL DATA			1359	ROCK TYPE -> HOOV			192	ROCK TYPE -> SLAB			191
	Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	34.8	1.64	242.64	1359	54.63	1.86	537.64	192	101.42	2.02	619.27	191
AG	PPM	0.3	1.14	2.42	1359	0.18	0.76	0.82	192	0.67	1.56	7.00	191
AL	%	8.97	1.04	9.25	1359	10.28	1.14	11.16	192	8.50	0.79	9.16	191
BA	PPM	1027.8	1.38	2783.31	1359	951.18	1.73	2536.36	192	727.18	0.98	1369.22	191
BE	PPM	0.5	0.77	2.09	1359	0.87	1.06	3.64	192	1.09	0.95	3.75	191
BI	PPM	3.94	1.04	11.07	1359	3.39	1	10.21	192	3.39	0.93	9.55	191
CA	%	10.68	1.9	11.9	1359	25.78	2.5	13.24	192	8.93	1.53	10.69	191
CD	PPM	0.37	0.51	0.5	1359	0.29	0.3	0.5	192	0.37	0.43	0.50	191
CO	PPM	32.16	1.42	104.97	1359	18.17	1.53	51.74	192	31.09	1.26	113.77	191
CR	PPM	85.51	1.09	143.01	1359	55.07	1.25	145.21	192	97.36	0.77	145.17	191
CUG	PPM	7507.23	2.82	14775.52	1359	12601.1	2.85	13847.22	192	12257.03	2.85	12561.44	191
CUA	%	3.38	0.78	10.71	145	3.63	0.79	16.45	36	2.28	0.51	5.63	23
FE	%	7.4	1.14	12.13	1359	10.42	1.69	12.37	192	3.46	0.83	7.36	191
K	%	12.27	2.12	8.7	1359	16.69	2.92	7.28	192	4.80	1.42	4.91	191
MG	%	5.45	1.94	5.06	1359	1.97	2.54	2.69	192	2.00	1.33	2.29	191
MN	PPM	2172.89	1.21	4418.97	1359	1272.09	0.9	3709.71	192	1104.12	0.74	2637.92	191
MO	PPM	4.58	1.38	27.5	1359	2.68	1.17	14.12	192	6.66	1.53	33.24	191
NA	%	5.17	2.17	5.97	1359	13.56	2.3	7.55	192	3.51	0.99	5.32	191
NI	PPM	34.9	0.86	91.16	1359	26.51	0.88	74.17	192	30.78	0.63	68.29	191
P	PPM	1002.83	1	1473.85	1359	1046.57	1.14	1615.24	192	1057.73	0.75	1475.89	191
PB	PPM	2.99	1.05	13.12	1359	1.75	0.7	7.68	192	4.48	1.19	17.64	191
SR	PPM	76.12	1.06	256.95	1359	75.83	0.7	217.92	192	137.87	0.68	286.06	191
TI	%	0.31	1.72	0.58	1359	0.08	1.65	0.28	192	0.38	1.38	0.41	191
V	PPM	82.22	0.85	243.66	1359	60.16	0.81	116.22	192	73.26	0.88	116.51	191
W	PPM	24.01	1.33	97.02	1359	17.23	1.45	153.75	192	18.05	1.32	129.54	191
ZN	PPM	54.98	1.33	146.52	1359	48.34	1.73	132.81	192	54.99	1.28	107.86	191
LA	PPM	46.2	1.47	139.43	1359	40.45	1.63	146.68	192	27.37	1.41	100.64	191
U	PPM	7.68	1.05	41.79	1019	7.24	1.07	42.64	92	6.39	0.97	38.80	167
KNR		11.51	1.89	41.07	1359	2.4	1.65	6.58	192	1.64	1.05	3.85	191
CCR		42.03	2.69	124.79	1359	125.36	2.76	246.05	192	30.25	2.52	100.13	191
FTR		2.57	1.02	8.56	1359	2.26	1.16	10.07	192	1.18	0.57	3.09	191
PTR		4.1	1.14	11.91	1359	2.83	1.21	12.12	192	4.19	0.89	9.21	191
LTR		1.76	1.04	6.99	1359	1.59	1.12	8.65	192	1.04	0.75	3.71	191
WMT		1.94	1.37	11.08	1359	2.65	1.53	24.91	192	1.21	1.31	6.32	191

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted 1/2 Detection Limiit Used No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

		ROCK TYPE -> OLYM			197	ROCK TYPE -> MICA			140	ROCK TYPE -> HAIL			50
	element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	20.33	1.33	140.7	197	19.68	1.41	108.32	140	13.01	1.26	62.63	50
AG	PPM	0.31	1.16	2.44	197	0.22	0.99	108.32	140	0.18	0.67	0.58	50
AL	%	9.68	1.15	8.92	197	7.73	0.89	8.86	140	7.30	0.57	8.59	50
BA	PPM	1381.55	1.31	4846.57	197	1076.49	1.45	2319.58	140	690.33	0.72	1109.70	50
BE	PPM	0.32	0.42	0.73	197	0.34	0.49	0.77	140	0.00	0.00	0.25	50
BI	PPM	3.69	0.98	11.39	197	3.73	0.98	8.08	140	3.01	0.86	10.96	50
CA	%	8.41	1.72	7.4	197	4.35	1.33	8.14	140	2.99	0.87	5.20	50
CD	PPM	0.37	0.56	0.91	197	0.33	0.41	0.5	140	0.32	0.32	0.53	50
CO	PPM	33.23	1.26	117.29	197	49.73	1.6	511.53	140	20.05	0.69	58.92	50
CR	PPM	84.56	1.06	126.86	197	87.51	0.93	147.6	140	97.48	0.58	125.62	50
CUG	PPM	2745.46	2.37	9113.13	197	1554.94	2.73	6206.39	140	4445.67	2.83	11747.90	50
CUA	%	5.08	1	31.44	16	3.93	0.85	15.72	7	1.93	0.39	3.10	5
FE	%	9.23	1.12	11.68	197	10.74	1.39	16.78	140	5.87	0.36	9.66	50
K	%	17.36	2.08	8.71	197	6.56	1.36	8.44	140	6.12	0.70	8.22	50
MG	%	4.17	1.45	5.36	197	2.87	1.02	4.64	140	1.84	0.58	3.07	50
MN	PPM	2151.66	0.73	3806.46	197	4942.72	1.91	5467.96	140	2707.98	0.61	4558.50	50
MO	PPM	4.72	1.21	15.87	197	5.33	1.37	29.23	140	1.71	1.01	4.43	50
NA	%	1.03	1.87	3.43	197	2.8	2.16	4.28	140	0.89	1.23	3.12	50
NI	PPM	33.36	0.73	115.74	197	38.81	0.92	213.84	140	21.82	0.87	70.83	50
P	PPM	1134.44	1.12	1460.53	197	996.76	0.88	2119.23	140	802.29	0.43	1120.45	50
PB	PPM	3.25	1.14	25.32	197	2.37	0.99	15	140	1.27	0.49	2.82	50
SR	PPM	51.46	1	215.1	197	22.19	0.52	51.65	140	17.87	0.43	31.30	50
TI	%	0.27	1.64	0.4	197	0.23	1.55	0.33	140	0.22	0.64	0.39	50
V	PPM	102.95	0.93	275.01	197	74.32	0.67	196.92	140	65.56	0.52	137.83	50
W	PPM	31.39	1.24	82.46	197	28.02	1.16	75.38	140	33.37	0.87	111.25	50
ZN	PPM	47.99	1.08	229.3	197	30.89	1.24	86.73	140	27.78	0.62	70.80	50
LA	PPM	42.66	1.23	91.47	197	77.39	1.34	86.73	140	65.75	1.29	258.25	50
U	PPM	6.35	0.92	29.79	152	4.63	0.82	21.7	113	6.98	0.90	20.30	50
KNR		40.19	1.86	55.88	197	15.85	1.8	39.94	140	31.51	1.45	55.48	50
CCR		18.33	2.38	78.46	197	11.23	2.54	39.44	140	35.63	2.92	100.20	50
FTR		3.27	1.01	7.87	197	3.58	1.06	15.1	140	3.13	0.43	5.33	50
PTR		4.19	1.04	8.65	197	5.95	1.23	15.1	140	4.58	0.56	7.41	50
LTR		1.65	0.91	5.5	197	3.83	1.22	17.49	140	3.55	1.21	13.25	50
WMT		2.29	1.24	8.01	197	2.66	1.33	23.22	140	2.00	0.96	7.79	50

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> URSU			65	ROCK TYPE -> JAZZ			112	ROCK TYPE -> RAM			80
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	23.43	1.53	204.13	65	44.79	1.37	196.48	112	37.98	1.71	298.42	80
AG	PPM	0.27	1.05	1.65	65	0.34	1.16	2.83	112	0.46	1.30	3.69	80
AL	%	6.57	0.81	9.53	65	6.61	0.5	8.13	112	7.17	0.44	8.44	80
BA	PPM	657.32	0.95	1853.95	65	1171.02	0.91	2046.41	112	1335.62	1.22	2127.74	80
BE	PPM	0.4	0.66	1.27	65	0.31	0.44	0.49	112	0.45	0.65	1.51	80
BI	PPM	2.47	0.85	7.93	65	2.57	0.84	8.79	112	5.57	1.06	13.53	80
CA	%	6.88	1.46	13.54	65	6.11	1.4	10.15	112	3.65	1.04	5.79	80
CD	PPM	0.28	0.21	0.46	65	0.4	0.6	1.02	112	0.39	0.45	0.88	80
CO	PPM	27.36	1.13	110.93	65	35.09	1.53	113.1	112	36.27	0.97	94.66	80
CR	PPM	100.89	0.93	217.34	65	66.22	1.08	112.66	112	86.29	0.45	142.22	80
CUG	PPM	5850.93	2.73	8593.22	65	6512.35	2.84	13633.46	112	9855.29	3.09	16614.71	80
CUA	%	3.89	0.22	5.23	4	2.09	0.4	3.68	11	2.59	0.58	6.69	12
FE	%	5.88	0.51	12.48	65	10.59	1.24	13.79	112	5.92	0.55	10.75	80
K	%	2.55	1.1	4.61	65	8.01	1.17	9.48	112	6.40	1.31	7.65	80
MG	%	2.62	0.89	6.63	65	3.12	1.15	5.72	112	2.08	0.75	3.98	80
MN	PPM	22127.51	2.43	7508.44	65	2344.45	1.02	4105.17	112	1109.96	0.69	1855.41	80
MO	PPM	4.32	1.21	19.3	65	9.45	1.58	42.99	112	9.20	1.82	115.03	80
NA	%	3.16	1.69	5.43	65	0.7	2.01	2.45	112	1.65	1.21	3.88	80
NI	PPM	28.29	0.97	92.85	65	33.15	0.68	76.92	112	34.10	0.55	67.28	80
P	PPM	1280.93	1.49	1222.68	65	1011.18	0.8	1518.12	112	990.34	1.09	1167.14	80
PB	PPM	2.2	0.87	10.08	65	1.82	0.82	6.13	112	2.46	0.97	15.40	80
SR	PPM	44.09	0.82	84.68	65	39.8	0.91	264.13	112	57.50	0.82	146.57	80
TI	%	0.17	1.14	0.26	65	0.15	1.55	0.23	112	0.39	0.97	1.03	80
V	PPM	52.14	0.61	78.72	65	82.87	0.7	311.89	112	107.55	0.78	357.08	80
W	PPM	21.51	1.32	97.64	65	29.6	1.19	99.62	112	47.52	1.41	291.99	80
ZN	PPM	31.08	0.85	71.01	65	47.61	1.18	169.16	112	47.62	0.89	129.73	80
LA	PPM	54.34	1.56	172.79	65	59.08	1.32	151.19	112	44.96	1.27	98.14	80
U	PPM	11.19	1.19	60.72	62	7.85	1.04	33.89	80	14.44	1.40	89.70	80
KNR		6.2	1.71	18.58	65	34.59	1.86	54.05	112	16.18	1.78	38.60	80
CCR		55.37	2.83	159.88	65	58.9	2.88	162.71	112	21.02	2.81	65.25	80
FTR		6.49	1.1	37.34	65	4.21	1.13	10.45	112	2.33	0.73	5.91	80
PTR		7.14	1.05	28.83	65	7.37	1.34	16.86	112	3.48	0.93	7.90	80
LTR		3.12	1.17	9.29	65	3.13	1.17	9.36	112	1.86	1.05	6.77	80
WMT		2.83	1.53	21.07	65	2.69	1.19	12.41	112	3.54	1.65	22.91	80

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> CLEV 14				ROCK TYPE -> QUAR 61				ROCK TYPE -> FAIR 16			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	3.12	0.39	7.02	14	6.04	0.91	32.35	61	9.14	1.10	59.74	16
AG	PPM	0	0	0.1	14	0.13	0.56	0.21	61	0.16	0.73	0.76	16
AL	%	6.83	0.52	7.95	14	7.32	0.5	8.62	61	16.03	1.74	9.37	16
BA	PPM	1226.58	0.63	1526.82	14	576.77	1.61	1762.77	61	221.12	1.04	797.45	16
BE	PPM	0	0	0.25	14	0.36	0.53	1.03	61	0.29	0.34	0.60	16
BI	PPM	5.96	0.56	11.33	14	4.57	0.99	16.03	61	1.71	0.55	4.06	16
CA	%	2.13	0.46	3.97	14	3.15	1.2	8.13	61	10.51	1.67	8.22	16
CD	PPM	0.48	0.47	1.02	14	0.48	0.62	1.51	61	0.00	0.00	0.25	16
CO	PPM	8.18	0.77	11.84	14	17.78	0.82	48.48	61	7.27	1.38	74.38	16
CR	PPM	78.92	0.11	94.21	14	86.28	0.41	137.05	61	14.12	0.64	26.86	16
CUG	PPM	15.68	1.76	121.73	14	549.96	2.42	3977.13	61	4917.16	2.31	10830.14	16
CUA	%	0	0	0	0	1.64	0.32	2.3	3	1.64	2.69	1.92	1
FE	%	5.96	0.28	10.98	14	4.72	0.63	10.56	61	7.72	0.59	22.28	16
K	%	6.96	0.61	8.2	14	1.84	1.22	3.93	61	6.43	2.87	3.12	16
MG	%	1.64	0.37	2.47	14	2.19	0.68	4.96	61	16.08	2.98	7.41	16
MN	PPM	888.26	0.29	1525.38	14	1206.21	0.81	2878.96	61	2140.26	1.02	5261.91	16
MO	PPM	1.74	0.68	5.6	14	1.38	0.89	5.93	61	0.91	0.54	2.71	16
NA	%	0.34	1.09	1.2	14	3.51	0.98	5.7	61	12.58	2.18	6.55	16
NI	PPM	17.06	0.25	24.83	14	29.24	0.81	69.62	61	57.45	0.78	99.34	16
P	PPM	1015.48	0.39	2385.24	14	876.34	0.86	1350.74	61	533.87	0.63	1111.00	16
PB	PPM	1.18	0.36	2.55	14	2.13	0.98	7.5	61	1.15	0.34	2.39	16
SR	PPM	17.81	0.4	41.74	14	47.9	0.78	158.61	61	133.54	1.07	282.52	16
TI	%	0.18	0.28	0.24	14	0.28	0.64	0.56	61	0.01	0.00	0.00	16
V	PPM	68.84	0.24	116.9	14	92.01	0.78	354.98	61	151.04	1.21	238.43	16
W	PPM	18.57	0.39	37.96	14	17.52	0.97	49.13	61	23.14	0.96	33.18	16
ZN	PPM	16.9	0.24	25.44	14	45.24	1.13	169.37	61	77.23	1.08	440.67	16
LA	PPM	56.05	0.81	261.32	14	37.49	1.25	90.55	61	7.82	1.08	49.12	16
U	PPM	2.5	0	2.5	14	7.48	1.07	43.1	61	0.00	0.00	0.00	0
KNR		42.39	0.84	62.76	14	1.61	1.69	4.94	61	0.63	0.37	1.21	16
CCR		0.38	1.67	1.04	14	1.62	1.87	19.37	61	52.67	2.17	114.38	16
FTR		3.8	0.54	13.28	14	2.24	0.75	6.24	61	0.00	0.00	0.50	16
PTR		6.21	0.53	18.77	14	4.52	0.96	14.49	61	0.00	0.00	0.50	16
LTR		3.83	1.02	23.92	14	1.5	0.86	5.11	61	0.00	0.00	0.50	16
WMT		1.27	0.58	4.35	14	0.93	0.93	5.08	61	0.00	0.00	0.50	16

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limiit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> ARCT 25				ROCK TYPE -> REID 19				ROCK TYPE -> EAGL 22			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	5.56	0.88	24.88	25	25.53	1.22	76.2	19	80.91	1.79	258.39	22
AG	PPM	0.22	0.91	1.52	25	3.18	1.94	11.69	19	0.70	1.59	7.44	22
AL	%	6.02	0.53	7.96	25	3.39	0.57	6.16	19	11.98	1.53	8.48	22
BA	PPM	4287.31	1.77	7151.59	25	72.56	1	428.35	19	879.63	1.28	2783.70	22
BE	PPM	0.32	0.37	0.52	25	0.33	0.44	0.78	19	0.34	0.48	0.79	22
BI	PPM	5.49	1.07	13.81	25	241.88	2.78	2435.14	19	20.01	1.61	92.91	22
CA	%	5.61	0.78	18.3	25	0.16	2.15	2.95	19	23.61	2.14	21.97	22
CD	PPM	0.4	0.44	0.92	25	0.4	0.63	1.28	19	0.85	1.38	0.34	22
CO	PPM	26.58	0.94	179.95	25	37.13	1.71	553.58	19	55.50	1.93	1142.43	22
CR	PPM	74.95	0.62	111.25	25	62.37	1	174.49	19	9.21	0.65	18.17	22
CUG	PPM	1301.51	2.84	7903.81	25	9409.18	1.53	9894.02	19	5691.18	1.53	12713.10	22
CUA	%	3.66	0.62	6.39	2	5.21	0.6	10.33	6	2.67	0.79	7.71	5
FE	%	5.19	0.74	10.25	25	7.97	1.58	10.24	19	4.19	0.66	8.27	22
K	%	3.08	1.14	6.76	25	3.05	2.77	3.87	19	17.78	2.71	5.44	22
MG	%	3.44	0.7	11.83	25	5.7	2.36	2.67	19	3.82	2.76	2.21	22
MN	PPM	3085.6	0.57	5507.11	25	181.23	1.15	1438.91	19	2442.42	0.83	8064.67	22
MO	PPM	1.11	0.85	5.07	25	1.29	0.59	2.89	19	7.57	1.57	25.50	22
NA	%	3.92	1.74	5.45	25	0.03	1.42	0.22	19	10.48	2.72	5.71	22
NI	PPM	26.25	0.96	91.05	25	139.62	1.35	1393.53	19	165.20	1.58	1792.08	22
P	PPM	785.61	0.84	2145.16	25	373.05	1.4	1224.88	19	1380.97	1.29	1501.97	22
PB	PPM	1.87	0.73	8.32	25	4.99	1.13	16.55	19	7.61	1.48	30.60	22
SR	PPM	106.67	0.86	351.41	25	6.12	0.5	13.37	19	167.97	0.93	336.52	22
TI	%	0.23	0.97	0.79	25	0.02	1.07	0.09	19	0.01	0.00	0.00	22
V	PPM	73.38	0.81	205.52	25	25.3	0.64	55.13	19	76.41	1.13	97.08	22
W	PPM	36.13	1.35	160.94	25	10.08	1.26	82.55	19	18.14	1.47	145.88	22
ZN	PPM	49.75	0.98	131.29	25	72.02	1.12	325.9	19	81.54	1.88	146.09	22
LA	PPM	19.98	1.32	95.29	25	16.82	0.96	35.87	19	22.45	1.52	264.36	22
U	PPM	4.43	0.77	21.72	25	0	0	2.5	6	0.00	0.00	0.00	0
KNR		14.13	2.12	42.82	25	2.28	1.26	16.01	19	1.41	0.85	3.59	22
CCR		2.23	2.15	19.03	25	110.2	1.6	456.61	19	234.91	2.48	249.40	22
FTR		4.03	0.9	13.09	25	4.31	1.61	47.93	19	0.00	0.00	0.50	22
PTR		5.28	0.82	20.35	25	1.11	0.91	7.14	19	0.00	0.00	0.50	22
LTR		1.28	0.92	5.88	25	1.01	0.74	3.49	19	0.00	0.00	0.50	22
WMT		2.69	1.3	31.94	25	1.35	1.08	7.35	19	0.00	0.00	0.50	22

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

::

Fairchild Project Statistics - 1992-1993 Rock Sample Data - December 1993

Length Weighted | 1/2 Detection Limit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> PLUM 16				ROCK TYPE -> MMM 24				ROCK TYPE -> TVA 33			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	2.88	0.34	5.96	16	95.98	1.8	710.26	24	87.98	1.96	678.95	33
AG	PPM	0.24	0.99	1.61	16	0.49	1.3	3.31	24	0.50	1.38	5.01	33
AL	%	14.28	1.74	11.61	16	8.36	0.25	10.79	24	41.05	2.84	12.58	33
BA	PPM	336.86	0.93	1044.8	16	372.18	0.84	811.28	24	1274.37	1.53	7349.52	33
BE	PPM	0.65	0.89	2.77	16	0.85	0.87	2.32	24	0.29	0.33	0.59	33
BI	PPM	1.74	0.68	5.53	16	5.5	1.17	16.27	24	3.28	0.94	17.19	33
CA	%	94.02	3.01	39.89	16	2.03	2.42	8.65	24	27.53	3.25	12.88	33
CD	PPM	1.23	1.4	12.2	16	0.36	0.4	0.55	24	0.00	0.00	0.25	33
CO	PPM	2.13	1.13	13.54	16	251.28	2.4	1104.55	24	8.01	1.32	26.25	33
CR	PPM	8.9	0.56	30.36	16	69.37	1.32	140.53	24	11.08	0.74	24.74	33
CUG	PPM	1215.62	2.3	2735.38	16	3116.7	1.68	11706.29	24	2382.68	2.35	9894.74	33
CUA	%	0	0	0	0	5.88	0.05	6.23	2	2.54	0.16	3.05	2
FE	%	4.63	0.56	10.06	16	4.79	0.6	12.22	24	18.74	1.43	24.68	33
K	%	6.97	2.9	4.09	16	5.83	2.22	3.13	24	21.12	3.29	8.87	33
MG	%	2.22	2.91	2.55	16	3.93	2.28	4.27	24	13.13	2.66	6.16	33
MN	PPM	1943.04	0.79	6055.52	16	886.87	1.03	5572.43	24	3310.54	1.44	11717.21	33
MO	PPM	1.55	0.86	6.05	16	1.13	0.72	3.5	24	47.24	1.94	195.20	33
NA	%	11.01	3.04	5.99	16	2.83	0.46	5.03	24	0.02	1.39	0.18	33
NI	PPM	25.1	0.54	58.76	16	79.95	1.22	122.76	24	51.10	1.22	78.11	33
P	PPM	959.69	0.51	3360.46	16	469.65	0.41	819.52	24	1064.14	0.74	2537.65	33
PB	PPM	19.7	1.54	117.05	16	6.13	0.88	13.44	24	3.54	1.15	29.16	33
SR	PPM	281.97	0.9	1149.42	16	61.08	0.34	86.66	24	113.15	1.39	478.47	33
TI	%	0.11	2.12	1.63	16	0.09	1.61	0.26	24	0.00	0.00	0.00	33
V	PPM	99.74	1.07	385.19	16	48.83	0.94	96	24	101.84	0.92	331.15	33
W	PPM	4.96	0.8	22.91	16	11.79	1.37	75.97	24	8.37	0.94	26.56	33
ZN	PPM	782.57	2.04	4466.32	16	62.09	1.77	104.18	24	47.15	1.25	148.82	33
LA	PPM	7.69	1.05	44.97	16	29.93	1.14	64.05	24	228.64	1.80	635.20	33
U	PPM	0	0	0	0	4.35	0.75	21.06	15	0.00	0.00	0.00	0
KNR		0.65	0.35	1.18	16	0.9	0.89	2	24	0.00	0.00	0.50	33
CCR		17.9	2.05	164.3	16	23.29	2.3	154.95	24	23.37	1.97	170.08	33
FTR		0.55	0.16	0.78	16	2.32	1.07	4.5	24	0.00	0.00	0.50	33
PTR		0.57	0.21	0.92	16	2.81	1.1	8.92	24	0.00	0.00	0.50	33
LTR		0	0	0.5	16	1.34	0.79	3.23	24	0.00	0.00	0.50	33
WMT		0.47	0.3	0.52	16	0.78	1.12	0.57	24	0.00	0.00	0.50	33

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

APPENDIX G

GEOPHYSICAL REPORT

LOGISTICAL REPORT

INDUCED POLARIZATION AND MAGNETOMETER SURVEYS

FAIRCHILD PROJECT

HOOVER, EAGLE, MICA, OLYMPIC, AND SLAB NW GRIDS

WERNECKE MOUNTAINS AREA, YUKON

on behalf of

WESTMIN RESOURCES LIMITED
904 - 1055 Dunsmuir Street
Vancouver, B.C. V7X 1C4

Field work completed: June 18 to 29, 1993

by

Alan Scott, Geophysicist
SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

July 7, 1993

TABLE OF CONTENTS

1. INTRODUCTION

Induced polarization/resistivity (IP) and magnetometer (mag) surveys were performed on the Fairchild Lake Project, Yukon, in the period June 18 to 29, 1993. The surveys were conducted by Scott Geophysics Ltd. on behalf of Westmin Resources Limited.

The surveys were performed on portions of five separate grids, referred to as Hoover, Eagle, Mica, Olympic, and Slab NW. This report describes the instrumentation and procedures, and presents the results of the surveys.

The pole dipole array was used for the induced polarization survey, with an "a" spacing of 25 meters and "n" separations of 1 to 5 on the Hoover and Eagle Grids, and with an "a" spacing of 75 meters and "n" separations of 1 to 4 on the Mica, Olympic, and Slab NW grids. The current electrode was to the west of the receiving electrodes on all grids except for Mica, for which it was to the east.

Magnetometer readings were taken at a 12.5 meter reading interval for the Hoover and Eagle Grids, and at a 25 meter interval for the Mica, Olympic, and Slab NW Grids. All readings were corrected for diurnal drift with a fixed base station.

2. SURVEY LOCATION AND COVERAGE

The Fairchild Project is located in the Werneke Mountains Area, Yukon.

IP survey coverage totalled 15.1 kms (5.3 at Hoover, 4.1 at Eagle, 2.1 at Mica, 1.7 at Olympic, and 1.9 at Slab.

Mag survey coverage totalled 25.0 kms (13.9 at Hoover, 5.6 at Eagle, 2.1 at Mica, 1.7 at Olympic, and 1.9 at Slab.

3. PERSONNEL

Eric Hards, geophysicist, was the party chief on the survey, on behalf of Scott Geophysics.

Mike Stammers, geologist, was the Westmin representative on site for the duration of the project.

4. INSTRUMENTATION

A Scintrex IPR12 receiver and IPC7 (2.5 kw) transmitter were used on the IP survey. Readings were taken in the time domain using a 2 second current pulse.

The chargeability plotted on the accompanying pseudosections and plan maps is for the interval 690 to 1050 milliseconds after shutoff (midpoint at 870 milliseconds). This corresponds to the M7 value for the IPR11.

Two Scintrex IGS-MP4 magnetometers were used for the mag survey, one as the field unit and the other as a fixed base station. All readings were were corrected for diurnal variation with reference to the base station.

5. RECOMMENDATIONS

A preliminary evaluation of the results of the IP survey performed on the Fairchild Lake Project indicates the presence of moderate to strong chargeability highs that merit further investigation.

Strong magnetic highs were detected on the Hoover, Eagle, and Slab Grids.

A detailed interpretation of these geophysical survey results, and correlation to geological and geochemical information, is required before any specific recommendations could be made.

Respectfully Submitted,

Alan Scott, P. Geos.

Statement of Qualifications

for

Alan Scott, Geophysicist

of

4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

I, Alan Scott, hereby certify the following statements regarding my qualifications, and my involvement in the program of work described in this report.

1. The work was performed by individuals sufficiently trained and qualified for its performance.

2. I have no material interest in the property under consideration in this report, nor in the company on whose behalf the work was performed.

3. I graduated from the University of British Columbia with a Bachelor of Science degree (Geophysics) in 1970, and with a Master of Business Administration degree in 1982.

4. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

5. I have been practicing my profession as a Geophysicist in the field of Mineral Exploration since 1970.

Respectfully submitted,

Alan Scott

093173 DWG 519

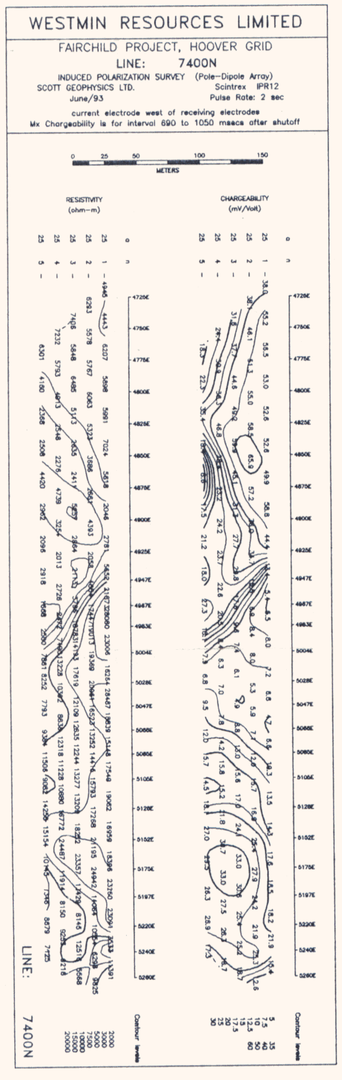
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, HOOVER GRID

LINE: 7400N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR12
June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff



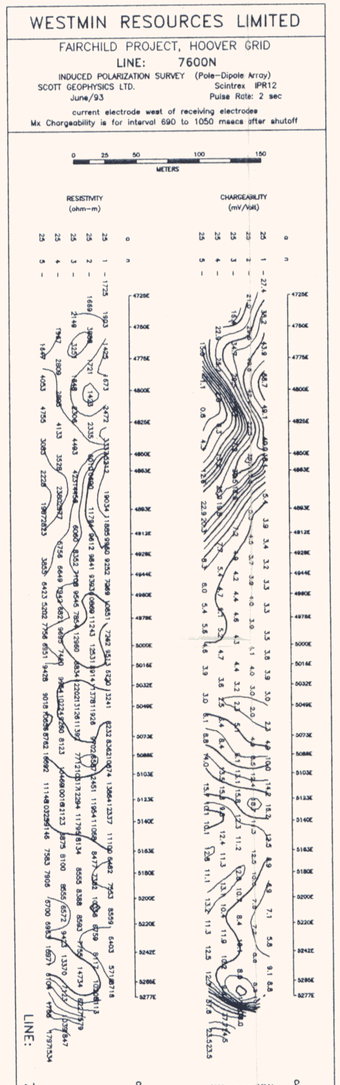
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, HOOVER GRID

LINE: 7600N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR12
June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff



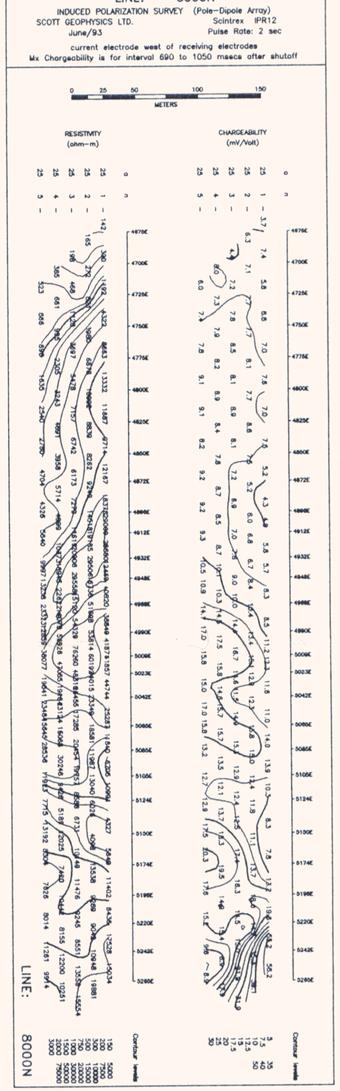
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, HOOVER GRID

LINE: 8000N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR12
June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff



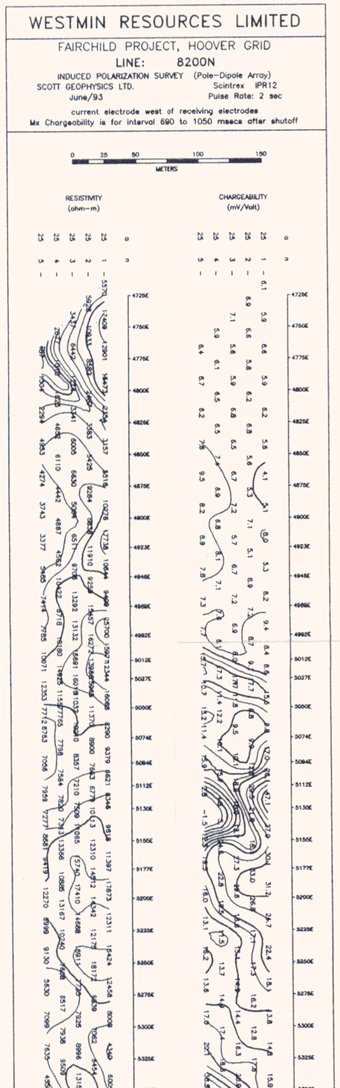
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, HOOVER GRID

LINE: 8200N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR12
June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff



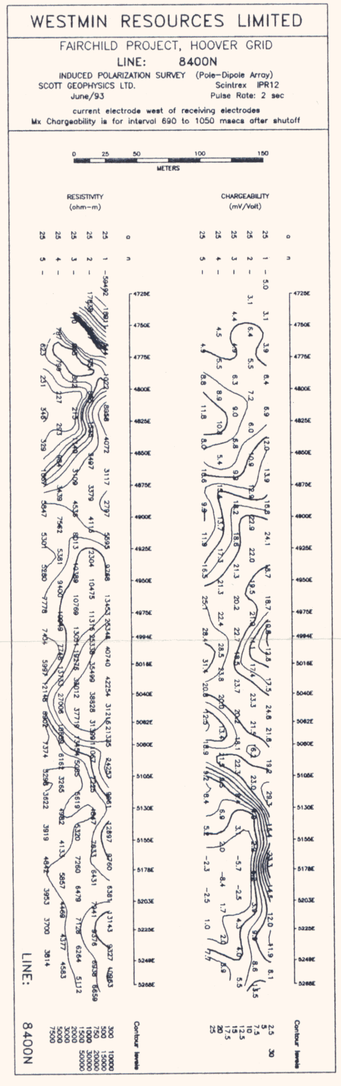
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, HOOVER GRID

LINE: 8400N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR12
June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff



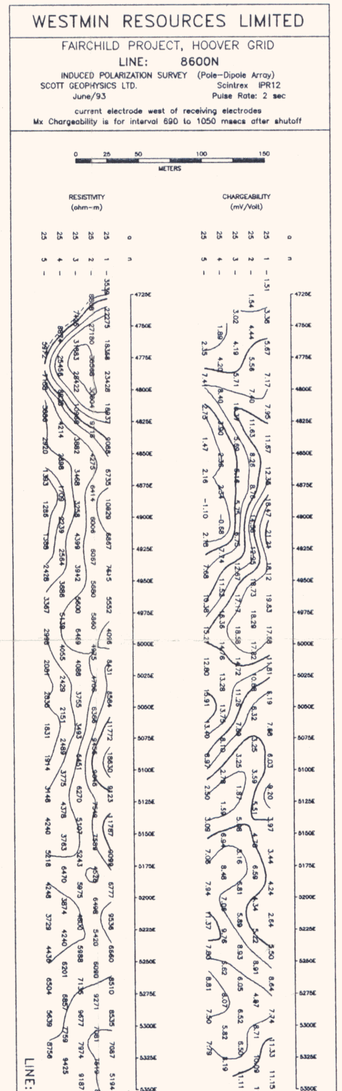
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, HOOVER GRID

LINE: 8600N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR12
June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff



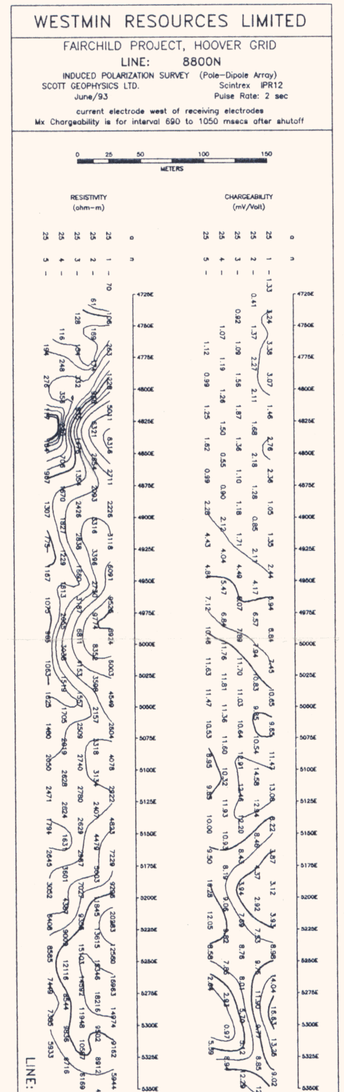
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, HOOVER GRID

LINE: 8800N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR12
June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff



L 8800N

L 8600N

L 8400N

L 8200N

L 8000N

L 7600N

L 7400N

8500N

8000N

7500N

4500E

5000E

5500E

SURVEY SPECIFICATIONS

receiver	Scintrex IPR12
transmitter	Scintrex TSQ3
pulse time	2 seconds
Mx receive window	690–1050 msecs
mid point	870 msecs
array	pole dipole
a spacing	25 meters
n separations	1, 2, 3, 4, 5

current electrode is located west of receiving electrodes

contoured value a=25 n=1

contours at:
2.5, 5, 7.5, 10, 12.5, 15, 17.5, 20
25, 30, 35, 40, 50, 60 mV/V

093173

0 50 100 150 200

METERS

DWG 520

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

HOOVER GRID
CHARGEABILITY CONTOUR PLAN
first separation (n=1)
a = 25 meters

DRAWN BY: ars | DATE: June/93

SCOTT GEOPHYSICS LTD.

L 8800N

L 8600N

L 8400N

L 8200N

L 8000N

L 7600N

L 7400N

8500N

8000N

7500N

4500E

5000E

5500E

SURVEY SPECIFICATIONS

receiver	Scintrex IPR12
transmitter	Scintres TSQ3
pulse time	2 seconds
Mx receive window	690–1050 msecs
mid point	870 msecs
array	pole dipole
a spacing	25 meters
n separations	1, 2, 3, 4, 5

current electrode is located west of receiving electrodes

contoured value a=25 n=1

log contour intervals (ohm-meters)
1, 1.5, 2, 3, 5, 7.5, 10

093173

0 50 100 150 200

METERS

DWG 521

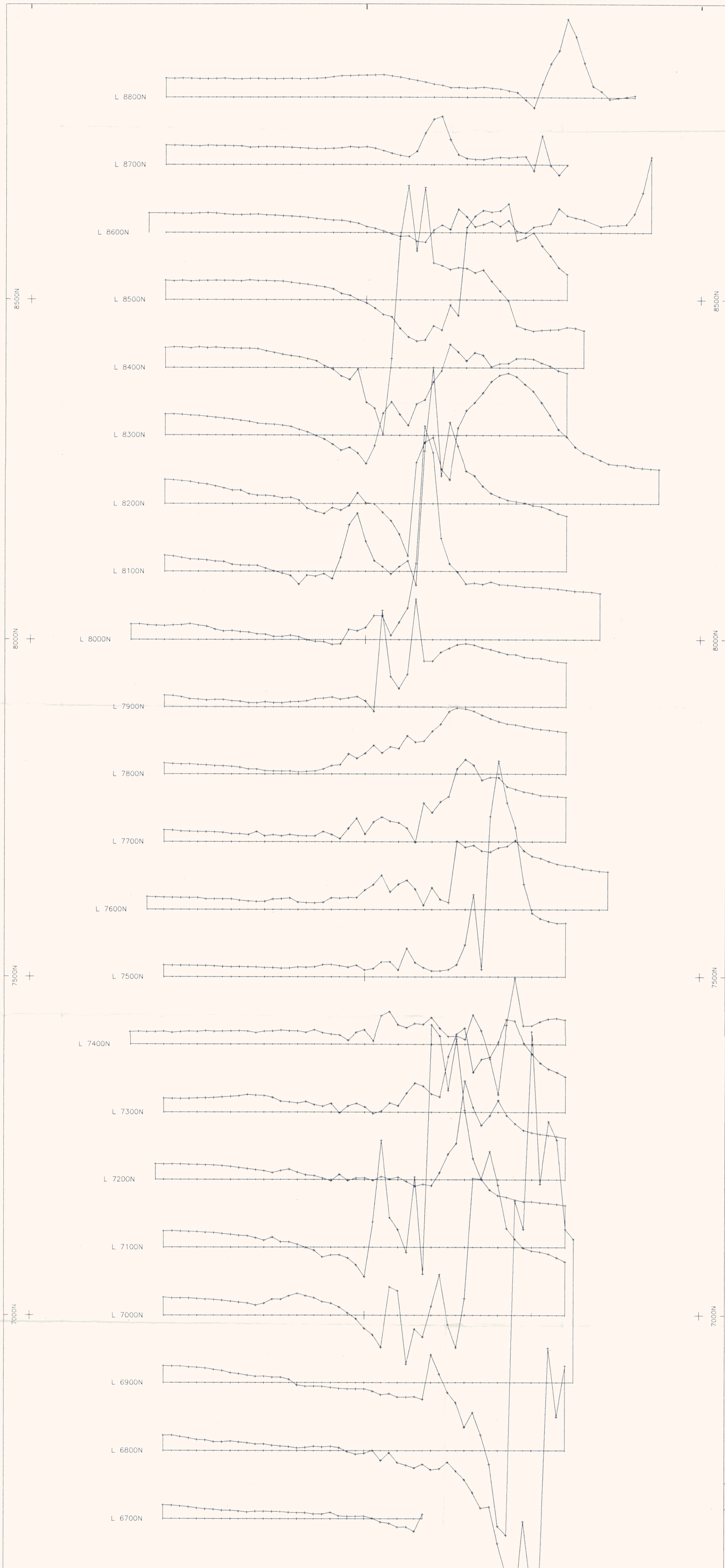
WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

HOOVER GRID
RESISTIVITY CONTOUR PLAN
first separation (n=1)
a = 25 meters

DRAWN BY: ars | DATE: June/93

SCOTT GEOPHYSICS LTD.



SURVEY SPECIFICATIONS

survey magnetometer	Scintrex IGS
base magnetometer	Scintrex MP4
type	proton
measurement	total field
units	gammas
diurnal corrections	base station
base cycle time	30 seconds
profile base	58000 gammas
profile scale	500 gammas/cm

093173

0 50 100 150 200

METERS

522

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

HOOVER GRID

MAGNETOMETER PROFILES

profile base = 58000 gammas

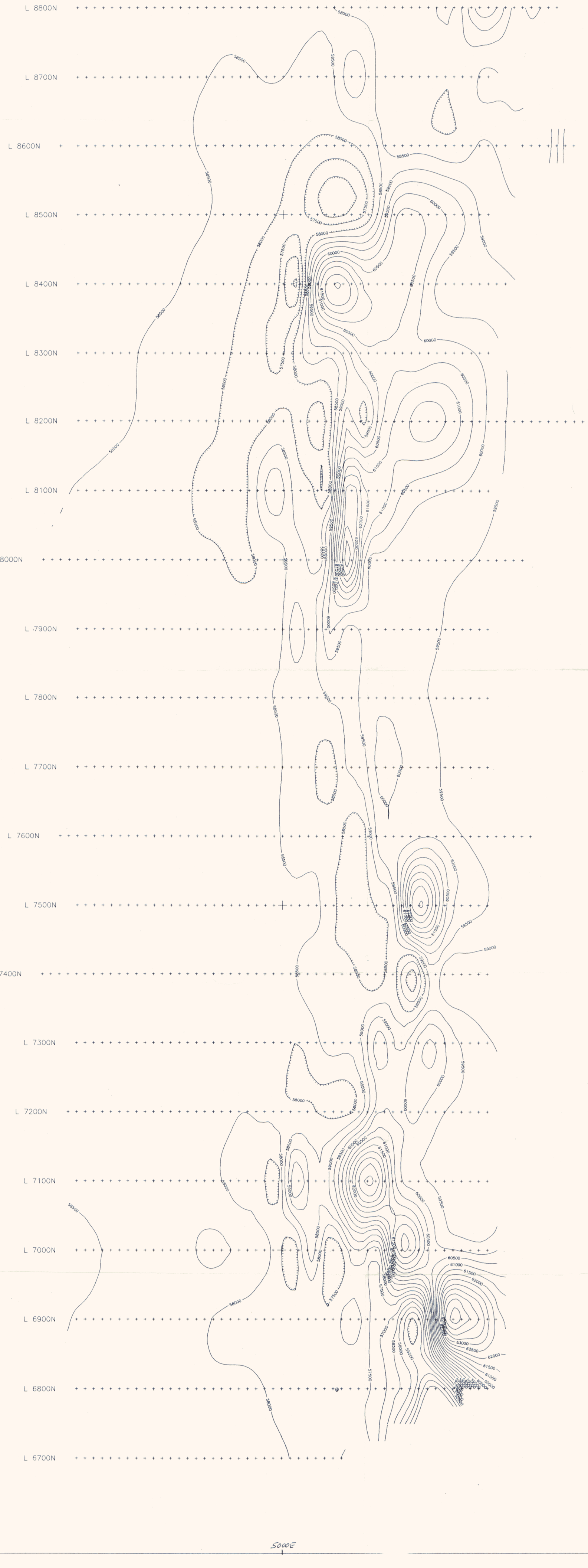
profile scale = 500 gammas/cm

DRAWN BY: ars | DATE: June/93

SCOTT GEOPHYSICS LTD.

SURVEY SPECIFICATIONS

survey magnetometer	Scintrex IGS
base magnetometer	Scintrex MP4
type	proton
measurement	total field
units	gammas
diurnal corrections	base station
base cycle time	30 seconds
contour interval	500 gammas



093173

0 50 100 150 200

METERS

DWG 523

WESTMIN RESOURCES LIMITED

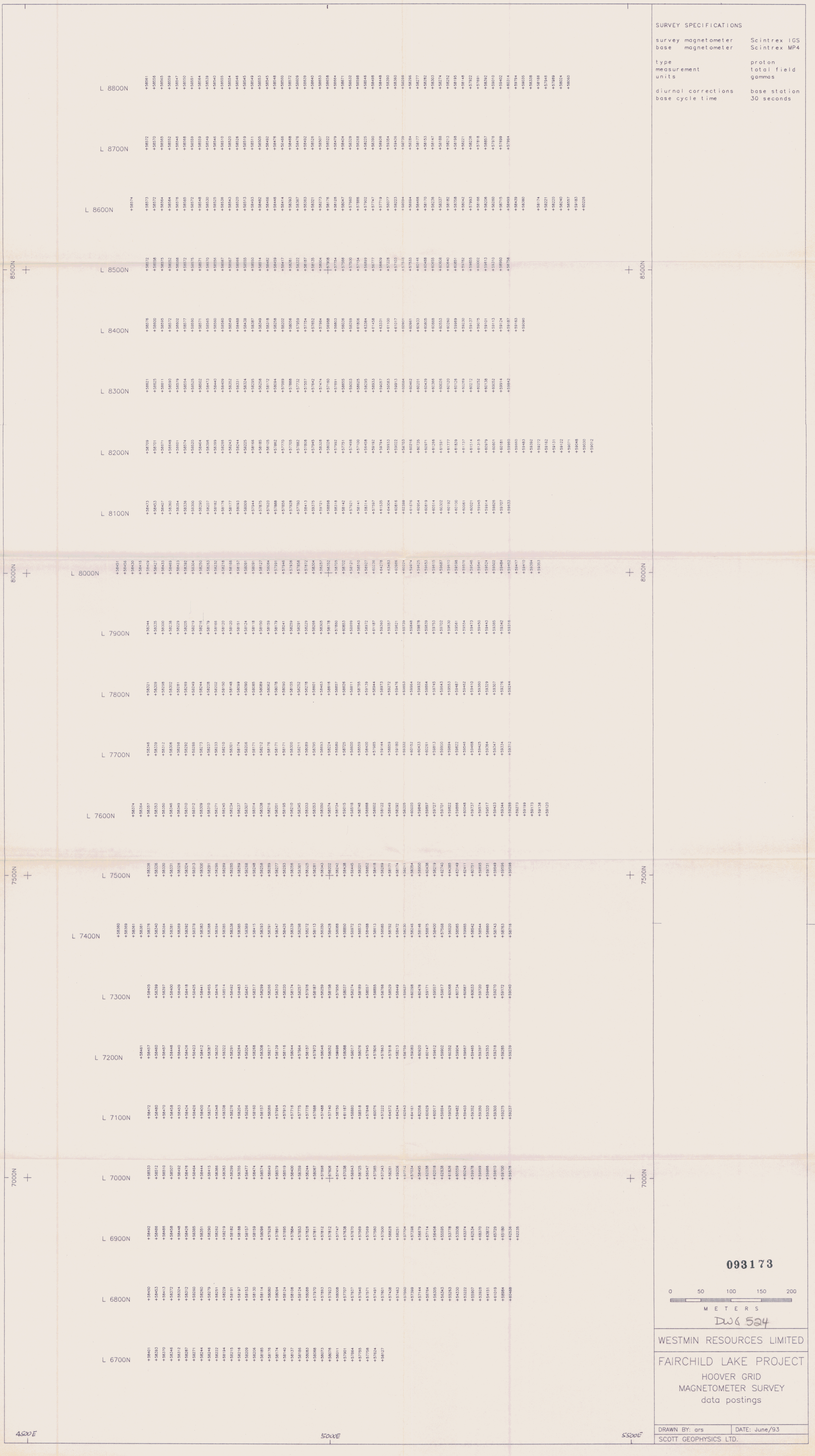
FAIRCHILD LAKE PROJECT

HOOVER GRID

MAGNETOMETER CONTOUR PLAN

contour interval = 500 gammas

DRAWN BY: ars	DATE: June/93
SCOTT GEOPHYSICS LTD.	



SURVEY SPECIFICATIONS

survey magnetometer	Scintrex IGS
base magnetometer	Scintrex MP4
type	proton
measurement	total field
units	gammas
diurnal corrections	base station
base cycle time	30 seconds

093173

0 50 100 150 200

METERS

DWG 524

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

HOOVER GRID
MAGNETOMETER SURVEY
data postings

DRAWN BY: ars | DATE: June/93

SCOTT GEOPHYSICS LTD.

4500E 5000E 5500E

APPENDIX H

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

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

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

2. THAT I have practised in my profession with various mining companies in Yukon, British Columbia and the Northwest Territories for 20 years.

3. THAT I am a graduate of McMaster University (1972) and hold a combined Honours B.A. in Geology and Geography.

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

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

6. THAT this report is based in part on property work I personally completed and/or supervised between June 1 and 30, 1993 combined with four years experience in the Wernecke terrain.

DATED at Vancouver, British Columbia, this_____day of_____, 1993.

_____

Michael A. Stammers, P.Geo.

GEOLOGIST'S CERTIFICATE

I, Mark E. Baknes, of 4355 St. Catherines Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology and a Master of Science degree in Geology from McMaster University.

3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based in part on property work I personally completed and/or directly supervised between June 1 and 30, 1993, government publications and assessment reports filed with the Yukon.

DATED at Vancouver, British Columbia, this 21 day of JANUARY, 1994.

PROFESSIONAL GEOSCIENTIST PROVINCE OF BRITISH COLUMBIA M. E. BAKNES

Mark E. Baknes, P.Geo.

GEOLOGIST'S CERTIFICATE

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

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

2. THAT I have practised in my profession with various mining companies in Nova Scotia, Yukon, British Columbia and the Northwest Territories for 20 years.

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

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

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

6. THAT this report is based in part on property work I personally completed and/or supervised between June 1 and 30, 1993 combined with four years experience in the Wernecke terrain.

DATED at Vancouver, British Columbia, this 27 day of JANUARY, 1994.

PROFESSIONAL ENGINEERS PROVINCE OF BRITISH COLUMBIA M. A. STAMMERS 9 SCIENTIST

Michael A. Stammers, P.Geo.

093173

FAIRCHILD LAKE GEOCHEMISTRY ---- NORMAL CORRELATION MATRIX ---- ALL DATA
ROCK SAMPLE DATA – 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

HOOVER CLAIMS

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	1359																											
AG	0.106	1																										
#PRS	1359	1359																										
AL	−0.022	−0.115	1																									
#PRS	1359	1359	1359																									
BA	−0.032	−0.079	0.221	1																								
#PRS	1359	1359	1359	1359																								
BE	−0.005	−0.011	0.092	−0.041	1																							
#PRS	1359	1359	1359	1359	1359																							
BI	0.025	0.16	−0.132	−0.04	−0.01	1																						
#PRS	1359	1359	1359	1359	1359	1359																						
CA	−0.046	−0.077	−0.438	−0.097	0.009	−0.042	1																					
#PRS	1359	1359	1359	1359	1359	1359	1359																					
CD	0.043	0.02	−0.088	−0.027	−0.006	0.201	0.005	1																				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359																				
CO	0.025	0.042	−0.138	−0.082	0.001	0.102	−0.043	0.126	1																			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359																			
CR	0.011	−0.054	0.065	−0.025	0.016	−0.009	−0.181	−0.04	0.086	1																		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																		
CUG	0.213	0.265	−0.096	−0.172	0.031	0.111	−0.046	−0.003	0.078	−0.089	1																	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																	
CUA	0.041	0.234	−0.055	−0.03	−0.025	0.296	−0.034	−0.006	0.058	−0.027	0.001	1																
#PRS	144	144	144	144	144	144	144	144	144	144	144	144																
FE	0.063	0.114	−0.236	−0.043	−0.084	0.063	−0.175	0.018	0.188	−0.096	0.143	0.073	1															
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359															
K	−0.039	−0.101	0.401	0.507	−0.065	−0.072	−0.226	−0.042	−0.081	0.05	−0.181	−0.032	−0.047	1														
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359														
MG	−0.049	−0.065	−0.297	−0.101	−0.081	−0.042	0.342	−0.009	−0.026	−0.043	−0.043	−0.051	0.099	−0.112	1													
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359													
MN	−0.057	−0.082	−0.236	0.085	−0.073	−0.037	0.35	0.025	0.089	−0.121	−0.061	−0.033	0.154	0.025	0.219	1												
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359												
MO	0.037	0.094	−0.002	−0.03	−0.008	−0.007	−0.062	−0.006	0.056	−0.013	0.153	−0.028	0.064	−0.027	−0.046	−0.036	1											
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359											
NA	0.016	0.022	0.316	−0.235	0.143	−0.054	−0.027	−0.036	−0.065	−0.018	0.084	−0.058	−0.254	−0.508	−0.255	−0.185	−0.005	1										
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359										
NI	0.114	0.067	−0.092	−0.048	−0.01	0.374	−0.057	0.819	0.23	−0.036	0.031	0.041	0.108	−0.079	−0.018	0.006	0.002	−0.049	1									
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359									
P	0.017	−0.05	0.004	0.022	0.016	−0.041	0.013	−0.024	0.071	−0.085	−0.025	−0.008	0.126	0.033	−0.144	0.085	0.048	0.036	−0.018	1								
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359								
PB	0.004	0.123	−0.03	−0.041	0.017	0.013	0.07	0.069	0.007	−0.029	0.036	−0.011	−0.004	−0.048	−0.02	0.01	0.014	0.003	0.013	−0.002	1							
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359							
SR	0.003	−0.013	−0.086	0.099	0.024	−0.015	0.163	0.009	−0.034	−0.041	−0.019	−0.015	−0.044	−0.101	−0.028	0.037	0.041	−0.01	−0.004	0.017	0.044	1						
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359						
TI	−0.03	−0.037	0.212	−0.017	−0.025	−0.052	−0.055	−0.028	−0.044	0.383	−0.107	−0.042	0.027	0.023	0.127	−0.103	−0.062	0.054	−0.04	−0.019	−0.043	0.058	1					
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359					
V	−0.025	−0.017	0.03	−0.011	−0.043	−0.048	−0.084	−0.016	−0.024	0.066	0.001	−0.052	0.298	−0.064	0.183	−0.032	0.013	−0.054	−0.012	0.114	−0.039	0.001	0.427	1				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359				
W	0.194	0.127	−0.132	−0.094	−0.027	0.073	−0.045	0.312	0.158	0.055	0.421	0.166	0.208	−0.025	0.016	0.004	0.092	−0.08	0.349	−0.058	0.01	−0.032	0.008	0.007	1			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359			
ZN	0.029	0.087	−0.129	−0.08	−0.02	0.085	0.11	0.123	0.02	−0.051	0.091	0.211	0.123	−0.105	−0.04	0.026	0.008	−0.057	0.035	0.005	0.202	0.038	−0.018	0.009	0.094	1		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359		
LA	0.017	−0.026	0.063	0.033	−0.015	−0.022	−0.185	−0.015	0.076	0.01	0.047	0	0.121	0.053	−0.101	−0.066	0.088	0.015	−0.01	0.21	−0.017	−0.008	−0.086	−0.005	0.041	−0.018	1	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	
U	0.016	0.064	−0.049	−0.035	−0.009	0.006	0.121	0.009	0.005	−0.078	0.135	−0.011	−0.03	−0.022	0.079	0.009	0.183	−0.044	−0.004	−0.02	0.082	0.036	−0.064	−0.016	0.106	0.037	−0.046	1
#PRS	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	95	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKE GEOCHEMISTRY ---- LOG TRANSFORMED CORRELATION MATRIX ---- ALL DATA
ROCK SAMPLE DATA – 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	1359																											
AG	0.491	1																										
#PRS	1359	1359																										
AL	−0.073	−0.215	1																									
#PRS	1359	1359	1359																									
BA	−0.101	−0.234	0.37	1																								
#PRS	1359	1359	1359	1359																								
BE	0.051	−0.044	0.161	0.028	1																							
#PRS	1359	1359	1359	1359	1359																							
BI	0.027	0.111	−0.061	0.022	−0.023	1																						
#PRS	1359	1359	1359	1359	1359	1359																						
CA	−0.11	−0.208	0.023	0.09	−0.064	0.04	1																					
#PRS	1359	1359	1359	1359	1359	1359	1359																					
CD	−0.026	0.104	−0.037	−0.06	−0.026	0.148	0.088	1																				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359																				
CO	0.305	0.199	0.068	−0.017	0.038	0.114	0.119	0.118	1																			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359																			
CR	−0.056	−0.04	0.261	0.202	0.106	0.017	0.149	0.143	0.556	1																		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																		
CUG	0.634	0.437	−0.088	−0.185	0.066	0	−0.109	−0.067	0.217	−0.164	1																	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																	
CUA	0.064	0.131	−0.096	−0.028	−0.044	0.154	−0.116	−0.021	0.015	−0.014	0	1																
#PRS	144	144	144	144	144	144	144	144	144	144	144	144																
FE	0.084	0.042	0.06	0.073	−0.17	−0.029	0.017	0.003	0.146	0.041	0.063	−0.016	1															
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359															
K	−0.065	−0.167	0.462	0.736	0.038	0.037	0.162	0.018	0.18	0.422	−0.166	−0.077	0.09	1														
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359														
MG	−0.061	−0.101	0.082	0.165	−0.136	0.001	0.318	0.081	0.359	0.416	−0.101	−0.081	0.22	0.377	1													
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359													
MN	−0.135	−0.175	0.05	0.186	−0.171	0.048	0.44	−0.028	−0.026	−0.017	−0.056	−0.015	0.257	0.136	0.173	1												
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359												
MO	0.493	0.321	−0.035	0.026	0.002	−0.015	−0.165	−0.136	0.2	−0.059	0.371	−0.009	0.135	0.016	−0.029	−0.067	1											
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359											
NA	−0.039	−0.113	0.408	−0.075	0.22	−0.056	0.231	0.006	0.202	0.366	−0.04	−0.068	−0.115	−0.056	−0.003	0.007	−0.171	1										
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359										
NI	0.295	0.237	0.061	−0.003	−0.015	0.08	−0.211	0.056	0.441	0.049	0.239	0.022	0.226	0.025	0.138	−0.127	0.219	−0.076	1									
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359									
P	−0.092	−0.228	0.366	0.285	0.057	0.096	0.181	−0.03	−0.011	0.072	−0.127	−0.023	0.027	0.213	−0.005	0.18	0.068	0.164	0.025	1								
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359								
PB	0.127	0.388	−0.146	−0.118	0.04	0.072	−0.06	0.268	0.107	0.013	0.168	0.049	−0.057	−0.1	−0.059	−0.093	0.102	−0.044	0.123	−0.143	1							
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359							
SR	0	−0.119	0.141	0.263	0.243	0.045	0.29	0.032	−0.01	−0.042	0.04	−0.015	−0.078	0.047	−0.062	0.15	−0.063	0.295	−0.014	0.158	0.141	1						
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359						
TI	−0.124	−0.151	0.319	0.289	0.078	0.007	0.276	0.164	0.523	0.835	−0.204	−0.047	0.125	0.459	0.475	0.102	−0.113	0.428	0.008	0.17	−0.032	0.103	1					
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359					
V	−0.064	−0.21	0.361	0.239	−0.069	−0.153	0.126	0.026	0.069	0.072	0.001	−0.049	0.326	0.255	0.296	0.154	0.066	0.07	0.217	0.283	−0.136	0.098	0.279	1				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359				
W	0.344	0.34	0.006	0.008	−0.204	0.037	0.122	0.196	0.45	0.265	0.209	0.083	0.208	0.163	0.27	0.046	0.187	−0.004	0.199	−0.115	0.076	−0.107	0.253	0.071	1			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359			
ZN	0.196	0.287	−0.115	−0.094	−0.053	0.001	0.04	0.248	0.345	0.207	0.233	0.054	0.197	−0.019	0.283	0.038	0.134	−0.02	0.322	−0.129	0.322	0.081	0.239	0.073	0.302	1		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359		
LA	0.135	−0.026	0.214	0.3	0.049	−0.004	−0.29	−0.08	0.104	0.153	−0.018	−0.009	0.071	0.277	0.006	−0.108	0.24	−0.069	0.098	0.208	−0.067	−0.188	0.091	0.094	0.117	−0.027	1	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	
U	0.119	0.185	−0.128	−0.069	−0.065	0.033	0.124	0.024	0.078	−0.104	0.117	0.012	−0.04	−0.098	0.055	0.007	0.092	−0.074	−0.002	−0.058	0.233	0.034	−0.064	−0.031	0.149	0.107	−0.263	1
#PRS	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	95	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKE GEOCHEMISTRY ---- NORMAL CORRELATION MATRIX ROCK TYPE ---> HOOV
ROCK SAMPLE DATA -- 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	192																											
AG	0.348	1																										
#PRS	192	192																										
AL	-0.029	-0.261	1																									
#PRS	192	192	192																									
BA	-0.004	-0.071	0.34	1																								
#PRS	192	192	192	192																								
BE	-0.019	-0.044	0.033	-0.057	1																							
#PRS	192	192	192	192	192																							
BI	0.083	0.715	-0.274	-0.067	-0.016	1																						
#PRS	192	192	192	192	192	192																						
CA	-0.066	-0.094	-0.484	-0.151	0.057	-0.031	1																					
#PRS	192	192	192	192	192	192	192																					
CD	-0.027	-0.049	-0.061	-0.115	0.114	-0.029	0.039	1																				
#PRS	192	192	192	192	192	192	192	192																				
CO	0.049	0.258	-0.107	-0.12	0.02	0.074	-0.099	0.125	1																			
#PRS	192	192	192	192	192	192	192	192	192																			
CR	0.066	0.108	-0.045	-0.005	0.007	-0.072	-0.174	0.381	0.329	1																		
#PRS	192	192	192	192	192	192	192	192	192	192																		
CUG	0.217	0.484	-0.127	-0.155	0.011	0.175	0.044	-0.006	0.298	0.064	1																	
#PRS	192	192	192	192	192	192	192	192	192	192	192																	
CUA	0.032	0.76	-0.098	-0.032	-0.043	0.93	-0.047	-0.019	0.195	-0.037	0	1																
#PRS	36	36	36	36	36	36	36	36	36	36	36	36																
FE	0.089	0.004	-0.163	-0.221	-0.012	-0.131	-0.154	0.028	0.098	-0.032	0.027	-0.053	1															
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192															
K	0.018	-0.019	0.444	0.845	-0.059	-0.084	-0.227	-0.137	-0.017	0.014	-0.093	-0.013	-0.212	1														
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192														
MG	-0.015	-0.059	-0.138	-0.086	-0.021	-0.039	-0.043	0.093	0.036	0.139	-0.112	-0.026	0.279	-0.113	1													
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192													
MN	-0.055	-0.098	-0.431	-0.123	-0.041	-0.04	0.315	0.069	-0.052	-0.069	-0.108	-0.026	0.287	-0.125	0.308	1												
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192												
MO	0.014	0.081	0.005	-0.051	-0.014	-0.011	-0.078	-0.035	0.203	0.136	0.168	-0.037	0.002	-0.049	-0.001	-0.037	1											
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192											
NA	-0.042	-0.144	0.137	-0.49	0.12	-0.135	0.058	0.042	-0.018	-0.099	0.159	-0.136	-0.104	-0.6	-0.302	-0.294	0.059	1										
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192										
NI	0.033	0.044	0.122	0.078	-0.023	-0.024	-0.268	-0.002	0.232	0.079	-0.028	0	0.356	0.106	0.5	0.075	0.01	-0.322	1									
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192									
P	0.009	-0.026	-0.179	-0.035	-0.011	0.047	0.279	-0.074	-0.064	-0.139	-0.131	0.038	0.171	-0.071	0.013	0.205	-0.009	-0.089	0.195	1								
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192								
PB	0.027	0.233	0.019	-0.011	-0.026	0.194	-0.233	0.005	0.331	0.121	0.281	0.173	-0.075	0.006	-0.049	-0.116	0.244	-0.008	0.08	-0.067	1							
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192							
SR	-0.042	-0.067	0.062	0.316	0.006	-0.054	0.172	0.007	-0.031	0.104	-0.116	-0.028	-0.246	0.297	-0.015	0.169	-0.059	-0.367	-0.008	0.074	0.052	1						
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192						
TI	0.002	-0.036	0.149	0.143	0.005	-0.063	-0.166	0.371	0.199	0.718	-0.082	-0.06	-0.089	0.162	0.178	0.061	-0.021	-0.175	0.141	-0.085	-0.05	0.231	1					
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192					
V	-0.061	-0.197	0.201	0.007	-0.005	-0.129	-0.174	0.096	-0.156	-0.012	-0.195	-0.085	0.46	0.02	0.11	-0.119	-0.045	-0.085	0.258	-0.1	-0.181	-0.107	0.05	1				
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192				
W	0.166	0.454	-0.142	-0.104	-0.025	0.06	-0.1	-0.026	0.539	0.243	0.464	0.274	0.189	0.098	-0.009	-0.074	0.129	-0.123	0.102	-0.084	0.307	-0.04	-0.035	-0.197	1			
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192	192			
ZN	0.149	0.842	-0.336	-0.133	-0.037	0.875	-0.104	-0.005	0.351	0.064	0.403	0.955	0.05	-0.071	0.061	0	0.069	-0.192	0.077	-0.018	0.337	-0.097	-0.041	-0.181	0.467	1		
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192	192	192		
LA	0.029	0.044	0.191	0.013	-0.019	-0.04	-0.181	0.126	0.299	0.021	0.165	0.01	-0.041	0.047	-0.031	-0.126	0.03	0.105	0.226	-0.005	0.271	-0.058	0.017	-0.08	0.177	0.104	1	
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192	192	192	192	
U	-0.023	0.14	-0.079	0.035	-0.049	0.076	-0.026	-0.065	-0.062	-0.211	0.062	0.021	-0.042	-0.058	-0.044	0.058	-0.015	-0.038	-0.08	-0.008	0.254	0.039	-0.244	-0.076	0.031	0.07	-0.067	1
#PRS	92	92	92	92	92	92	92	92	92	92	92	26	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO - LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKE GEOCHEMISTRY ----- LOG TRANSFORMED CORRELATION MATRIX ROCK TYPE ---> HOOV
ROCK SAMPLE DATA -- 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	192																											
AG	0.673	1																										
#PRS	192	192																										
AL	-0.051	-0.106	1																									
#PRS	192	192	192																									
BA	0.003	0	0.208	1																								
#PRS	192	192	192	192																								
BE	0.017	-0.075	0.159	0.027	1																							
#PRS	192	192	192	192	192																							
BI	-0.011	0.046	-0.084	0.186	-0.1	1																						
#PRS	192	192	192	192	192	192																						
CA	0.152	0.021	-0.067	-0.195	-0.111	0.083	1																					
#PRS	192	192	192	192	192	192	192																					
CD	-0.012	-0.018	0.032	-0.088	0.038	0.115	0.137	1																				
#PRS	192	192	192	192	192	192	192	192																				
CO	0.379	0.407	0.067	-0.026	0.056	0.141	0.21	0.279	1																			
#PRS	192	192	192	192	192	192	192	192	192																			
CR	0.156	0.25	0.118	0.186	0.072	0.058	0.052	0.432	0.693	1																		
#PRS	192	192	192	192	192	192	192	192	192	192																		
CUG	0.691	0.473	-0.078	-0.062	0.09	-0.043	0.253	-0.07	0.292	-0.006	1																	
#PRS	192	192	192	192	192	192	192	192	192	192	192																	
CUA	0.192	0.166	-0.113	-0.001	-0.183	0.353	-0.052	-0.006	0.123	0.014	0	1																
#PRS	36	36	36	36	36	36	36	36	36	36	36	36																
FE	0.026	-0.111	-0.022	-0.13	0.061	-0.272	-0.004	0.121	0.115	0.196	0.004	-0.229	1															
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192															
K	0.133	0.146	0.274	0.848	0.065	0.193	-0.123	0.063	0.213	0.425	0.014	0.065	-0.031	1														
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192														
MG	0.151	0.195	-0.147	0.123	-0.059	0.14	0.117	0.271	0.582	0.668	0.057	0.065	0.2	0.257	1													
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192													
MN	-0.101	-0.095	-0.336	-0.126	-0.236	0.105	0.507	0.11	0.051	-0.132	0.112	-0.009	0.11	-0.134	0.188	1												
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192												
MO	0.462	0.346	0	0.037	0.049	-0.106	-0.154	-0.138	0.226	0.096	0.28	0.082	0.189	0.131	0.081	-0.187	1											
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192											
NA	0.123	0.026	0.344	-0.352	0.087	-0.108	0.35	0.106	0.268	0.169	0.149	-0.148	-0.07	-0.309	-0.01	-0.162	-0.029	1										
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192										
NI	0.153	0.129	0.19	0.426	0.011	0.034	-0.233	-0.101	0.303	0.179	0.009	0.041	0.194	0.395	0.356	-0.028	0.154	-0.252	1									
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192									
P	-0.237	-0.212	0.29	0.099	-0.032	0.214	0.173	0.002	-0.049	-0.105	-0.172	-0.025	-0.14	0.034	-0.137	0.033	-0.256	0.075	0.144	1								
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192								
PB	0.353	0.332	-0.041	0.074	0.065	-0.008	-0.107	-0.013	0.231	0.149	0.257	0.134	-0.139	0.082	0.107	-0.153	0.245	0.059	0.072	-0.259	1							
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192							
SR	-0.031	-0.01	0.16	0.506	0.063	0.285	0.129	0.034	0.122	0.124	0.019	-0.007	-0.193	0.44	0.075	0.256	-0.078	-0.058	0.103	0.102	0.009	1						
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192						
TI	0.105	0.153	0.155	0.226	0.091	0.084	0.149	0.461	0.699	0.913	0.004	-0.028	0.14	0.43	0.672	-0.052	0.029	0.213	0.143	-0.001	0.071	0.215	1					
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192					
V	-0.234	-0.352	0.383	0.114	0.136	-0.208	-0.048	0.101	-0.176	0.004	-0.186	-0.096	0.488	0.125	-0.064	-0.006	0.011	-0.018	0.251	0.172	-0.339	-0.075	0.047	1				
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192				
W	0.616	0.685	-0.025	0.036	-0.012	0.021	0.095	0.184	0.561	0.44	0.358	0.272	0.148	0.21	0.4	-0.005	0.386	0.071	0.28	-0.215	0.235	0.042	0.384	-0.222	1			
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192	192			
ZN	0.407	0.501	-0.244	-0.062	-0.064	-0.065	0.015	0.197	0.498	0.494	0.264	0.209	0.167	0.08	0.556	0.107	0.247	-0.025	0.235	-0.231	0.305	-0.065	0.412	-0.2	0.57	1		
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192	192	192		
LA	0.177	0.151	0.286	0.348	0.167	-0.153	-0.389	-0.034	0.123	0.148	0.144	0.039	-0.039	0.319	-0.001	-0.379	0.168	-0.01	0.328	-0.098	0.321	0.005	0.125	-0.007	0.123	0.17	1	
#PRS	192	192	192	192	192	192	192	192	192	192	192	36	192	192	192	192	192	192	192	192	192	192	192	192	192	192	192	
U	0.115	0.107	-0.099	0.002	-0.126	0.065	-0.019	-0.058	0.01	-0.087	0.058	0.093	-0.096	-0.019	-0.009	0.011	0.192	-0.076	-0.015	-0.023	0.227	-0.01	-0.063	-0.06	0.101	0.052	-0.115	1
#PRS	92	92	92	92	92	92	92	92	92	92	92	26	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO -- LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKES SOIL GEOCHEMISTRY ---- NORMAL CORRELATION MATRIX ---- ALL DATA
SOIL SAMPLE DATA – 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	1248																											
AG	0	1																										
#PRS	1248	1249																										
AL	−0.077	−0.058	1																									
#PRS	1248	1249	1249																									
BA	0.128	0.035	0.061	1																								
#PRS	1248	1249	1249	1249																								
BE	−0.045	0.007	0.324	−0.082	1																							
#PRS	1248	1249	1249	1249	1249																							
BI	−0.016	−0.015	0.058	−0.011	−0.038	1																						
#PRS	1248	1249	1249	1249	1249	1249																						
CA	0.018	0.081	−0.106	−0.011	0.055	−0.048	1																					
#PRS	1248	1249	1249	1249	1249	1249	1249																					
CD	0.005	0.245	−0.161	0.02	−0.029	−0.024	0.229	1																				
#PRS	1248	1249	1249	1249	1249	1249	1249	1249																				
CO	0.37	0.044	−0.007	0.15	0.009	0.181	0.018	−0.001	1																			
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249																			
CR	−0.049	−0.15	0.541	−0.093	0.084	0.04	−0.075	−0.171	0.049	1																		
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249																		
CUG	0.621	0.014	−0.05	0.108	−0.067	0.066	0.031	−0.012	0.235	0.025	1																	
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249																	
CUA	0.31	0	0.003	0.013	−0.009	0	0.003	0	−0.008	0.001	0	1																
#PRS	2	2	2	2	2	2	2	2	2	2	2	2																
FE	0.196	0.204	0.223	0.489	−0.032	0.099	0	0.056	0.451	0.142	0.179	−0.008	1															
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249															
K	0.034	−0.017	0.556	0.457	0.196	−0.043	−0.037	−0.079	−0.034	0.27	0.076	0.006	0.243	1														
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249														
MG	0.003	0.302	−0.159	−0.055	−0.024	−0.041	0.31	0.265	0.043	0.012	0.036	0.003	0.155	0.035	1													
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249													
MN	0.19	0.201	−0.115	0.445	−0.037	0.077	0.103	0.13	0.363	−0.151	0.206	0.002	0.585	0.036	0.107	1												
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249												
MO	0.31	0.032	−0.046	0.42	−0.083	0.02	−0.005	−0.015	0.381	−0.069	0.347	−0.044	0.58	0.108	−0.036	0.435	1											
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249											
NA	−0.037	−0.03	0.422	−0.038	0.231	0.032	−0.046	−0.126	0.039	0.117	−0.007	0.002	0.029	0.147	−0.071	−0.024	−0.099	1										
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249										
NI	0.117	0.071	0.147	0.056	0.012	0.146	0.015	0.017	0.502	0.332	0.148	−0.011	0.389	0.045	0.116	0.252	0.237	0.034	1									
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249									
P	0.203	0.034	−0.156	0.203	−0.085	0.024	0.045	0.027	0.525	−0.051	0.204	0	0.322	−0.099	−0.031	0.357	0.365	0.004	0.284	1								
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249								
PB	0	0.375	0.001	−0.032	0.064	−0.035	0.055	0.249	0.044	−0.049	0.01	−0.019	0.109	−0.134	0.081	0.131	0.027	−0.12	0.029	0.017	1							
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249							
SR	0.038	−0.006	0.419	0.175	0.063	0.032	0.036	0.026	−0.005	0.229	0.073	0.008	0.12	0.154	−0.088	0.043	0.007	0.182	0.082	0.013	0.052	1						
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249						
TI	−0.087	−0.141	0.386	−0.077	0.055	0.027	−0.107	−0.138	−0.087	0.584	−0.074	−0.002	0.089	0.186	−0.013	−0.275	−0.212	0.231	0.11	−0.209	−0.038	0.259	1					
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249					
V	−0.019	−0.134	0.269	0.028	−0.049	0.006	−0.104	−0.058	−0.015	0.48	0.004	−0.002	0.268	0.092	0.09	−0.138	−0.066	0.084	0.112	−0.115	0.027	0.148	0.718	1				
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249				
W	0.065	−0.047	−0.026	−0.04	0.003	−0.039	0.002	−0.041	0.002	0.22	0.092	0.018	0.056	0.036	0.108	−0.047	−0.073	−0.042	0.045	−0.048	−0.011	−0.103	0.17	0.284	1			
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249			
ZN	−0.043	0.098	−0.001	−0.128	0.04	0.011	0.007	0.238	0.012	0.042	−0.048	−0.008	−0.007	−0.142	−0.061	0.015	−0.041	−0.161	0.246	0.022	0.332	0.061	−0.028	0.017	−0.025	1		
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249		
LA	0.013	0.027	0.47	0.051	0.204	0.088	−0.032	0.013	0.112	0.265	0.066	0.01	0.183	0.173	−0.126	0.049	0.087	0.166	0.335	0.1	0.089	0.226	0.117	0.061	−0.052	0.247	1	
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKES SOIL GEOCHEMISTRY ---- LOG TRANSFORMED CORRELATION MATRIX ---- ALL DATA
SOIL SAMPLE DATA – 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	1248																											
AG	0.058	1																										
#PRS	1248	1249																										
AL	−0.133	−0.107	1																									
#PRS	1248	1249	1249																									
BA	0.279	0.087	0.286	1																								
#PRS	1248	1249	1249	1249																								
BE	−0.134	0.013	0.274	−0.061	1																							
#PRS	1248	1249	1249	1249	1249																							
BI	−0.018	0.018	0.159	0.106	0.013	1																						
#PRS	1248	1249	1249	1249	1249	1249																						
CA	0.157	0.103	−0.578	−0.144	−0.093	−0.198	1																					
#PRS	1248	1249	1249	1249	1249	1249	1249																					
CD	0.002	0.215	−0.217	0.009	−0.033	0.007	0.279	1																				
#PRS	1248	1249	1249	1249	1249	1249	1249	1249																				
CO	0.428	0.134	0.176	0.289	−0.037	0.154	−0.011	−0.017	1																			
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249																			
CR	−0.075	−0.254	0.666	0.04	0.124	0.096	−0.378	−0.258	0.161	1																		
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249																		
CUG	0.617	0.124	−0.086	0.237	−0.094	0.073	0.275	−0.011	0.63	0.03	1																	
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249																	
CUA	0.027	0	0.002	0.002	−0.032	0	0.013	0	−0.001	0	0	1																
#PRS	2	2	2	2	2	2	2	2	2	2	2	2																
FE	0.31	0.213	0.391	0.464	−0.083	0.124	−0.233	−0.008	0.601	0.207	0.315	−0.002	1															
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249															
K	0.047	−0.019	0.637	0.594	0.178	0.028	−0.228	−0.106	0.083	0.377	0.075	0.007	0.329	1														
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249														
MG	0.037	0.153	−0.006	−0.058	0.013	−0.167	0.519	0.198	−0.013	0.04	0.112	0.009	0.163	0.179	1													
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249													
MN	0.35	0.256	−0.048	0.338	−0.056	0.072	0.193	0.081	0.588	−0.119	0.465	0.001	0.548	0.012	0.072	1												
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249												
MO	0.427	0.104	−0.009	0.242	−0.096	−0.025	−0.058	−0.081	0.473	−0.016	0.438	−0.022	0.414	0.046	−0.106	0.389	1											
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249											
NA	−0.148	−0.104	0.637	0.028	0.254	0.158	−0.357	−0.214	0.087	0.38	−0.096	0.004	0.115	0.226	−0.029	−0.072	−0.119	1										
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249										
NI	0.234	0.105	0.289	0.173	−0.003	0.126	0.025	0.014	0.731	0.369	0.486	−0.008	0.549	0.188	0.246	0.415	0.295	0.133	1									
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249									
P	0.277	0.105	−0.187	0.177	−0.102	−0.002	0.276	0.063	0.468	−0.134	0.477	0	0.187	−0.129	−0.022	0.489	0.405	−0.074	0.303	1								
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249								
PB	0.027	0.234	−0.124	−0.147	−0.051	−0.014	0.019	0.201	0.022	−0.011	−0.043	−0.015	0.07	−0.23	−0.008	0.03	0.052	−0.366	0.016	−0.061	1							
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249							
SR	−0.066	−0.085	0.455	0.336	0.046	0.198	−0.149	−0.004	0.097	0.348	0.025	0.002	0.159	0.216	−0.065	0.034	−0.062	0.363	0.166	0.021	0.022	1						
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249						
TI	−0.181	−0.231	0.579	0.093	0.108	0.139	−0.431	−0.189	−0.021	0.615	−0.183	−0.001	0.186	0.334	0.04	−0.283	−0.211	0.509	0.109	−0.322	0.028	0.391	1					
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249					
V	−0.017	−0.178	0.439	0.202	−0.033	0.096	−0.289	−0.066	0.081	0.483	−0.074	−0.001	0.374	0.245	0.133	−0.157	−0.083	0.262	0.162	−0.19	0.195	0.273	0.739	1				
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249				
W	0.06	−0.069	−0.005	−0.029	0.045	−0.06	0.058	−0.049	−0.008	0.124	0.041	0.008	0.046	0.055	0.09	−0.04	−0.145	−0.039	−0.004	−0.097	0.001	−0.115	0.132	0.204	1			
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249			
ZN	−0.109	0.102	−0.036	−0.243	0.046	0.06	0.055	0.236	0.07	0.108	−0.018	−0.003	0.001	−0.204	−0.024	0.027	−0.011	−0.211	0.228	0.069	0.657	0.139	0.035	0.116	0.019	1		
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249		
LA	0.029	−0.024	0.616	0.241	0.164	0.227	−0.536	−0.135	0.406	0.424	0.168	0.002	0.345	0.316	−0.277	0.125	0.171	0.441	0.442	0.112	−0.068	0.319	0.361	0.221	−0.045	0.133	1	
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKES SOIL GEOCHEMISTRY ---- NORMAL CORRELATION MATRIX ROCK TYPE ---> HOOV
SOIL SAMPLE DATA -- 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	268																											
AG	0	-1																										
#PRS	268	268																										
AL	-0.084	0.006	1																									
#PRS	268	268	268																									
BA	0.101	0.003	0.382	1																								
#PRS	268	268	268	268																								
BE	0.028	0.001	0.221	0.083	1																							
#PRS	268	268	268	268	268																							
BI	-0.044	0.001	0.013	-0.022	-0.117	1																						
#PRS	268	268	268	268	268	268																						
CA	0.02	0.001	-0.497	-0.143	0.071	-0.134	1																					
#PRS	268	268	268	268	268	268	268																					
CD	-0.055	0	-0.186	-0.079	0.052	-0.048	0.447	1																				
#PRS	268	268	268	268	268	268	268	268																				
CO	0.438	0.001	-0.045	-0.018	0.032	0.198	-0.051	-0.103	1																			
#PRS	268	268	268	268	268	268	268	268	268																			
CR	-0.067	0.005	0.405	0.241	0.082	-0.037	-0.193	-0.124	0.047	1																		
#PRS	268	268	268	268	268	268	268	268	268	268																		
CUG	0.638	0.001	-0.026	0.231	-0.076	0.038	-0.008	-0.039	0.173	0.011	1																	
#PRS	268	268	268	268	268	268	268	268	268	268	268																	
CUA	0.381	0	0.007	0.037	-0.023	0	0.01	0	-0.004	0.002	0	1																
#PRS	2	2	2	2	2	2	2	2	2	2	2	2																
FE	0.141	0.003	0.25	-0.012	-0.043	0.163	-0.355	-0.216	0.522	0.147	0.099	-0.007	1															
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268															
K	-0.021	0.004	0.708	0.588	0.261	-0.137	-0.078	-0.045	-0.185	0.317	0.088	0.014	-0.067	1														
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268														
MG	-0.048	0.002	-0.253	-0.231	0.172	-0.011	0.822	0.449	-0.021	-0.039	-0.053	0.005	-0.154	0.001	1													
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268													
MN	0.107	0.002	-0.006	0.251	-0.074	0.274	-0.139	-0.202	0.352	-0.003	0.145	0.005	0.305	-0.05	-0.216	1												
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268												
MO	0.174	0.001	0.089	0.129	0.062	0.005	-0.198	-0.154	0.35	-0.102	0.203	-0.072	0.597	0.005	-0.148	0.157	1											
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268											
NA	0.11	0.003	0.338	0.132	-0.049	0.054	-0.339	-0.224	0.115	0.086	0.087	0.004	0.165	-0.026	-0.288	0.114	0.054	1										
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268										
NI	0.098	0.001	0.05	-0.097	0.056	0.13	-0.138	-0.117	0.519	0.196	0.057	-0.017	0.346	-0.196	-0.043	0.272	0.191	0.048	1									
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268									
P	0.189	0.001	-0.149	0.013	-0.139	0.031	0.005	-0.058	0.624	0.08	0.141	0	0.407	-0.186	-0.064	0.296	0.222	0.109	0.288	1								
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268								
PB	0.079	0.002	-0.341	-0.098	0.098	-0.105	0.2	0.218	-0.043	-0.066	0.126	-0.069	-0.124	-0.268	0.246	-0.19	-0.081	-0.075	-0.072	-0.036	1							
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268							
SR	-0.03	0.002	0.12	0.464	-0.035	-0.099	0.055	0.013	-0.034	0.19	-0.013	0.017	-0.044	0.07	-0.008	0.049	-0.08	0.25	-0.02	0.021	-0.032	1						
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268						
TI	-0.051	0.003	0.179	0.115	0.059	-0.028	-0.139	-0.054	-0.057	0.688	0.01	-0.004	0.079	0.077	0.027	-0.109	-0.148	0.154	0.137	-0.049	0.282	0.131	1					
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268					
V	0.03	0.005	0.137	0.144	0.065	-0.023	-0.055	0.146	0.01	0.346	0.085	-0.005	0.08	-0.013	0.13	-0.164	-0.063	0.229	0.049	-0.012	0.599	0.081	0.688	1				
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268				
W	0.278	0.005	0.069	0.247	-0.055	-0.03	0.018	-0.064	0.082	0.143	0.313	0.04	0.076	0.156	-0.014	0.145	0.091	0.127	0.03	0.109	0.056	0.024	0.094	0.152	1			
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268	268			
ZN	0.012	0.002	-0.11	-0.144	0.114	-0.04	0.067	0.133	0.072	-0.114	0.019	-0.025	0.048	-0.198	0.158	-0.001	0.086	-0.099	0.636	0.041	0.362	-0.083	0.063	0.254	0.004	1		
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268	268	268		
LA	0.113	0.002	0.535	0.249	0.034	0.142	-0.563	-0.251	0.119	0.213	0.185	0.026	0.282	0.29	-0.382	0.166	0.21	0.361	0.371	0.029	-0.186	-0.051	0.13	0.092	0.212	0.165	1	
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKES SOIL GEOCHEMISTRY ---- LOG TRANSFORMED CORRELATION MATRIX ROCK TYPE ---> HOOV
SOIL SAMPLE DATA -- 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	268																											
AG	-0.002	-1																										
#PRS	268	268																										
AL	-0.12	0.003	1																									
#PRS	268	268	268																									
BA	0.213	0.012	0.399	1																								
#PRS	268	268	268	268																								
BE	0.024	0	0.181	0.155	1																							
#PRS	268	268	268	268	268																							
BI	-0.005	0	0.074	0.112	-0.144	1																						
#PRS	268	268	268	268	268	268																						
CA	0.119	0.001	-0.6	-0.067	0.045	-0.156	1																					
#PRS	268	268	268	268	268	268	268																					
CD	-0.093	0.002	-0.228	-0.094	0.111	-0.062	0.36	1																				
#PRS	268	268	268	268	268	268	268	268																				
CO	0.442	0.003	0.116	0.185	-0.047	0.275	-0.185	-0.321	1																			
#PRS	268	268	268	268	268	268	268	268	268																			
CR	0.013	0.01	0.469	0.323	0.109	0.046	-0.266	-0.164	0.12	1																		
#PRS	268	268	268	268	268	268	268	268	268	268																		
CUG	0.719	0.003	-0.04	0.345	-0.024	0.237	0.038	-0.146	0.574	0.109	1																	
#PRS	268	268	268	268	268	268	268	268	268	268	268																	
CUA	0.04	0	0.003	0.004	-0.064	0	0.022	0	-0.002	0	0	1																
#PRS	2	2	2	2	2	2	2	2	2	2	2	2																
FE	0.201	0.002	0.374	0.039	-0.092	0.179	-0.446	-0.31	0.569	0.235	0.188	-0.005	1															
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268															
K	-0.086	0.002	0.689	0.586	0.28	-0.098	-0.148	-0.044	-0.202	0.368	-0.014	0.016	-0.027	1														
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268														
MG	-0.047	0	-0.203	-0.239	0.181	-0.106	0.605	0.401	-0.352	0.057	-0.155	0.016	-0.141	0.025	1													
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268													
MN	0.235	0.008	-0.018	0.265	-0.109	0.285	0.062	-0.226	0.578	-0.012	0.364	0.001	0.412	-0.094	-0.199	1												
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268												
MO	0.318	0	0.112	0.063	0.009	0.006	-0.258	-0.286	0.389	-0.098	0.298	-0.038	0.478	-0.003	-0.194	0.22	1											
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268											
NA	0.243	-0.001	0.44	0.136	-0.079	0.106	-0.435	-0.312	0.295	0.183	0.173	0.011	0.32	-0.019	-0.281	0.084	0.099	1										
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268										
NI	0.217	0.005	0.104	-0.023	0.013	0.2	-0.088	-0.203	0.684	0.287	0.324	-0.005	0.477	-0.2	-0.016	0.384	0.233	0.14	1									
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268									
P	0.31	0.011	-0.178	0.078	-0.216	0.197	0.141	-0.078	0.326	-0.006	0.403	0	0.312	-0.241	-0.092	0.495	0.246	0.124	0.368	1								
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268								
PB	0.241	0.004	-0.362	-0.066	0.141	-0.061	0.247	0.205	-0.006	-0.115	0.104	-0.034	-0.087	-0.296	0.233	-0.098	-0.082	-0.041	0.028	-0.007	1							
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268							
SR	-0.066	0.006	0.146	0.533	0.008	-0.015	0.204	0.032	-0.041	0.324	0.041	0.004	-0.101	0.237	0.031	0.051	-0.224	0.087	0.016	-0.01	-0.005	1						
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268						
TI	0.058	-0.008	0.268	0.225	0.105	0.078	-0.241	-0.053	0.018	0.662	0.061	-0.008	0.164	0.167	0.122	-0.155	-0.148	0.258	0.179	-0.136	0.319	0.261	1					
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268					
V	0.213	0.004	0.185	0.214	0.109	0.096	-0.104	0.136	0.036	0.392	0.121	-0.001	0.148	0.035	0.198	-0.182	-0.097	0.281	0.08	-0.042	0.584	0.147	0.742	1				
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268				
W	0.374	-0.005	0.07	0.238	-0.033	-0.024	0.092	-0.07	0.192	0.151	0.292	0.018	0.106	0.14	0.041	0.15	0.1	0.136	0.08	0.172	0.045	0.07	0.095	0.155	1			
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268	268			
ZN	0.078	0.007	-0.184	-0.173	0.09	0.007	0.18	0.188	0.116	-0.108	0.006	-0.007	0.15	-0.244	0.305	0.054	0.09	-0.114	0.423	0.158	0.545	-0.113	0.153	0.365	0.031	1		
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268	268	268		
LA	0.16	0.003	0.567	0.265	-0.09	0.203	-0.68	-0.43	0.486	0.305	0.304	0.004	0.471	0.185	-0.536	0.235	0.293	0.458	0.434	0.186	-0.237	-0.056	0.196	0.074	0.173	-0.032	1	
#PRS	268	268	268	268	268	268	268	268	268	268	268	2	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKES SOIL GEOCHEMISTRY ---- NORMAL CORRELATION MATRIX ROCK TYPE ---> BONN
SOIL SAMPLE DATA -- 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	348																											
AG	-0.011	1																										
#PRS	348	349																										
AL	0.009	-0.022	1																									
#PRS	348	349	349																									
BA	0.029	-0.162	0.592	1																								
#PRS	348	349	349	349																								
BE	-0.004	-0.007	0.236	0.192	1																							
#PRS	348	349	349	349	349																							
BI	-0.03	-0.033	0.197	0.232	0.051	1																						
#PRS	348	349	349	349	349	349																						
CA	0.002	-0.011	-0.653	-0.253	-0.207	-0.205	1																					
#PRS	348	349	349	349	349	349	349																					
CD	-0.047	-0.041	-0.133	0.002	-0.041	0.09	0.168	1																				
#PRS	348	349	349	349	349	349	349	349																				
CO	-0.036	-0.054	0.365	0.161	0.06	0.163	-0.252	0.205	1																			
#PRS	348	349	349	349	349	349	349	349	349																			
CR	0.005	-0.01	0.715	0.397	0.039	0.198	-0.465	-0.101	0.415	1																		
#PRS	348	349	349	349	349	349	349	349	349	349																		
CUG	-0.046	-0.027	0.08	0.239	-0.091	0.226	0.051	0.175	0.381	0.23	1																	
#PRS	348	349	349	349	349	349	349	349	349	349	349																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	0	0	0	0	0	0	0	0	0	0	0	0																
FE	0.032	0.008	0.587	0.372	0.163	0.324	-0.425	0.025	0.506	0.503	0.218	0	1															
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349															
K	0.049	-0.115	0.668	0.681	0.261	0.091	-0.247	-0.172	0.111	0.485	0.206	0	0.273	1														
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349														
MG	0	0.057	0.067	0.017	-0.042	-0.156	0.551	0.047	0.047	0.129	0.008	0	0.002	0.161	1													
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349													
MN	-0.01	-0.019	0.088	0.217	0.079	0.221	-0.078	0.161	0.428	0.12	0.284	0	0.399	0.058	-0.008	1												
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349												
MO	-0.024	0.025	0.206	-0.016	-0.071	-0.024	-0.245	-0.039	0.216	0.155	-0.078	0	0.372	-0.067	-0.107	0.083	1											
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349											
NA	-0.009	0.027	0.578	0.07	0.059	0.191	-0.5	-0.074	0.299	0.48	0.043	0	0.495	0.129	-0.039	0.108	0.369	1										
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349										
NI	-0.019	-0.049	0.252	0.246	-0.016	0.245	-0.09	0.295	0.755	0.414	0.659	0	0.406	0.142	0.097	0.332	0.024	0.201	1									
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349									
P	-0.075	0.055	-0.168	-0.211	-0.086	-0.123	0.091	0.109	0.289	-0.121	0.133	0	0.088	-0.301	0.02	0.243	0.334	-0.01	0.126	1								
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349								
PB	-0.015	0.081	0.07	0.066	0.023	0.106	-0.054	0.15	0.126	0.055	0.065	0	0.462	-0.065	-0.051	0.255	0.329	0.066	0.093	0.217	1							
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349							
SR	0.05	-0.091	0.361	0.562	0.092	0.394	-0.209	0.033	0.146	0.362	0.357	0	0.468	0.292	-0.038	0.13	0.013	0.329	0.376	-0.224	0.069	1						
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349						
TI	0.038	-0.005	0.607	0.279	0.203	0.249	-0.498	-0.167	0.158	0.566	-0.063	0	0.513	0.345	0.062	0.06	0.058	0.516	0.132	-0.323	-0.045	0.416	1					
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349					
V	0.008	-0.042	0.509	0.489	0.192	0.236	-0.327	0.014	0.133	0.439	-0.084	0	0.592	0.29	0.076	0.139	0.183	0.177	0.105	-0.195	0.374	0.334	0.537	1				
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349				
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349	349			
ZN	-0.028	0.077	-0.041	0.184	-0.067	0.314	0.097	0.378	0.406	0.091	0.519	0	0.231	-0.006	0.017	0.305	-0.007	-0.04	0.718	0.147	0.247	0.253	-0.099	0.126	0	1		
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349	349	349		
LA	-0.028	-0.047	0.27	0.292	0.033	0.225	-0.23	0.317	0.486	0.343	0.392	0	0.289	0.045	-0.082	0.182	0.066	0.15	0.698	0.127	0.123	0.291	0.152	0.218	0	0.629	1	
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO--LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKES SOIL GEOCHEMISTRY ---- LOG TRANSFORMED CORRELATION MATRIX ROCK TYPE ---> BONN
SOIL SAMPLE DATA -- 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	348																											
AG	-0.012	1																										
#PRS	348	349																										
AL	0.023	-0.049	1																									
#PRS	348	349	349																									
BA	0.018	-0.169	0.621	1																								
#PRS	348	349	349	349																								
BE	-0.054	-0.02	0.273	0.197	1																							
#PRS	348	349	349	349	349																							
BI	-0.022	-0.01	0.184	0.22	0.148	1																						
#PRS	348	349	349	349	349	349																						
CA	-0.007	-0.032	-0.621	-0.11	-0.193	-0.2	1																					
#PRS	348	349	349	349	349	349	349																					
CD	-0.051	-0.036	-0.116	0.014	0.013	0.101	0.182	1																				
#PRS	348	349	349	349	349	349	349	349																				
CO	-0.026	-0.064	0.463	0.267	0.138	0.174	-0.226	0.16	1																			
#PRS	348	349	349	349	349	349	349	349	349																			
CR	0.007	-0.028	0.759	0.443	0.1	0.167	-0.437	-0.098	0.49	1																		
#PRS	348	349	349	349	349	349	349	349	349	349																		
CUG	-0.036	-0.021	0.086	0.294	-0.078	0.195	0.235	0.157	0.378	0.236	1																	
#PRS	348	349	349	349	349	349	349	349	349	349	349																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	0	0	0	0	0	0	0	0	0	0	0	0																
FE	0.046	0.019	0.666	0.464	0.151	0.321	-0.41	0.03	0.605	0.566	0.258	0	1															
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349															
K	0.059	-0.126	0.69	0.717	0.27	0.084	-0.153	-0.156	0.197	0.539	0.264	0	0.384	1														
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349														
MG	0.006	0.026	0.187	0.144	0.051	-0.185	0.385	0.028	0.171	0.244	0.128	0	0.148	0.29	1													
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349													
MN	0.007	0.005	0.122	0.242	0.066	0.21	0.079	0.154	0.581	0.152	0.371	0	0.487	0.097	0.129	1												
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349												
MO	-0.024	0.031	0.179	0.031	-0.081	-0.026	-0.282	-0.086	0.248	0.167	-0.051	0	0.299	-0.033	-0.146	0.17	1											
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349											
NA	-0.008	0.034	0.701	0.23	0.11	0.235	-0.593	-0.077	0.385	0.613	0.044	0	0.579	0.3	0.049	0.132	0.26	1										
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349										
NI	-0.012	-0.057	0.369	0.349	0.074	0.24	0.008	0.236	0.781	0.501	0.689	0	0.538	0.281	0.313	0.455	0.069	0.32	1									
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349									
P	-0.051	0.076	-0.218	-0.216	-0.102	-0.148	0.172	0.13	0.318	-0.144	0.193	0	-0.019	-0.299	0.066	0.313	0.256	-0.151	0.172	1								
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349								
PB	-0.019	0.093	0.075	0.137	-0.032	0.142	0.001	0.197	0.157	0.087	0.137	0	0.376	-0.017	-0.004	0.306	0.296	-0.039	0.151	0.135	1							
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349							
SR	0.042	-0.086	0.4	0.608	0.06	0.362	-0.109	0.052	0.185	0.362	0.37	0	0.513	0.327	0.04	0.158	0.009	0.444	0.424	-0.241	0.109	1						
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349						
TI	0.049	-0.025	0.678	0.37	0.206	0.234	-0.56	-0.155	0.214	0.587	-0.07	0	0.587	0.435	0.122	0.07	0.063	0.645	0.197	-0.383	-0.024	0.463	1					
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349					
V	0.007	-0.048	0.584	0.541	0.174	0.242	-0.36	0.029	0.216	0.482	-0.035	0	0.653	0.388	0.139	0.155	0.196	0.297	0.196	-0.211	0.463	0.396	0.601	1				
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349				
W	0	0.224	0.059	0.313	0	0.002	0	0.007	0.017	0.057	0.076	0	0.018	0.002	-0.001	0.071	0.001	-0.001	0.027	0.084	0.011	0.141	-0.048	0.097	-1			
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349	349			
ZN	-0.02	0.095	-0.042	0.259	-0.046	0.316	0.256	0.347	0.35	0.092	0.599	0	0.289	0.072	0.122	0.414	0.053	-0.047	0.643	0.213	0.412	0.337	-0.096	0.196	0.047	1		
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349	349	349		
LA	-0.018	-0.099	0.559	0.422	0.173	0.295	-0.444	0.199	0.598	0.547	0.354	0	0.491	0.261	-0.142	0.251	0.183	0.473	0.627	0.036	0.102	0.415	0.424	0.329	-0.006	0.354	1	
#PRS	348	349	349	349	349	349	349	349	349	349	349	0	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

UTM GRID NORTH

NOTE: UTM Grid North is 0° 41' East of True North.

535,000 E | 535,500 E | 536,000 E

7,218,500 N | 7,218,000 N | 7,217,500 N | 7,217,000 N | 7,216,500 N

L 9000 N | L 8800 N | L 8600 N | L 8400 N | L 8200 N | L 8000 N | L 7800 N | L 7600 N | L 7400 N | L 7200 N | L 7000 N | L 6800 N | L 6600 N | L 5250 E | L 5000 E | L 4750 E

BASE LINE SHOWING

BLUE SHOWING

B ZONE MINERALIZATION

C ZONE MINERALIZATION

A ZONE MINERALIZATION

D ZONE MINERALIZATION

RE-E SHOWING

Drill Holes 69-1,2,3,4

Tanker 69-8

Catroad

Talus Covered

Blue-Grey Carbonate Breccia

Composite Breccia

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite

B *Wernecke Breccia:*
- Bht Heterolithic breccia: hydrothermal matrix comprised of plagioclase, carbonate, muscovite, chlorite, quartz and specular hematite
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fcb light brown and grey carbonate–rich siltstones and mudstones
- Fchc light green–grey siltstone–cherty argillite with local interbedded carbonate
- Fdo dolomite with interbedded phyllite–slate
- Fphm silver–grey magnetite–bearing phyllite
- Fsl green–grey slate/phyllite–laminated cherty argillite

ALTERATION

Alteration Minerals

AB	albite
CB	carbonate
CL	chlorite
KF	K–feldspar
MS	muscovite/sericite
QZ	quartz

Alteration Intensity

1	weak
2	moderate
3	strong

MINERALIZATION

AZ – azurite
BR – brannerite
CP – chalcopyrite
HS – specular hematite
MC – malachite
MG – magnetite
PY – pyrite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- Bedding
- Foliation
- Vein
- Diamond Drill Holes (horizontal projection)

093173 DWG 535

Westmin Resources Limited

Work By	M.B. & M.J.
Date Drafted	06/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	HVR_GEOL

FAIRCHILD PROJECT

HOOVER PROPERTY

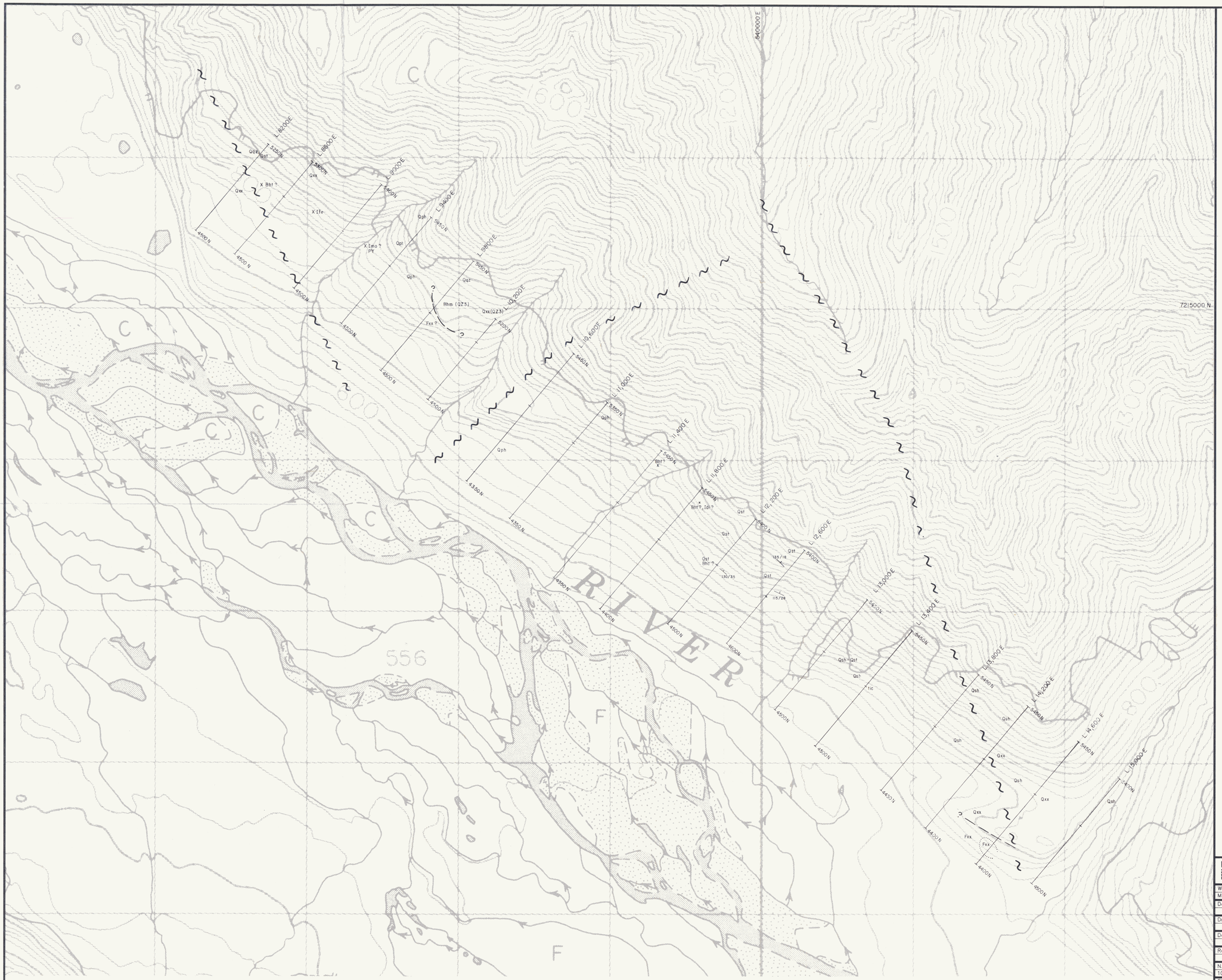
GEOLOGY MAP

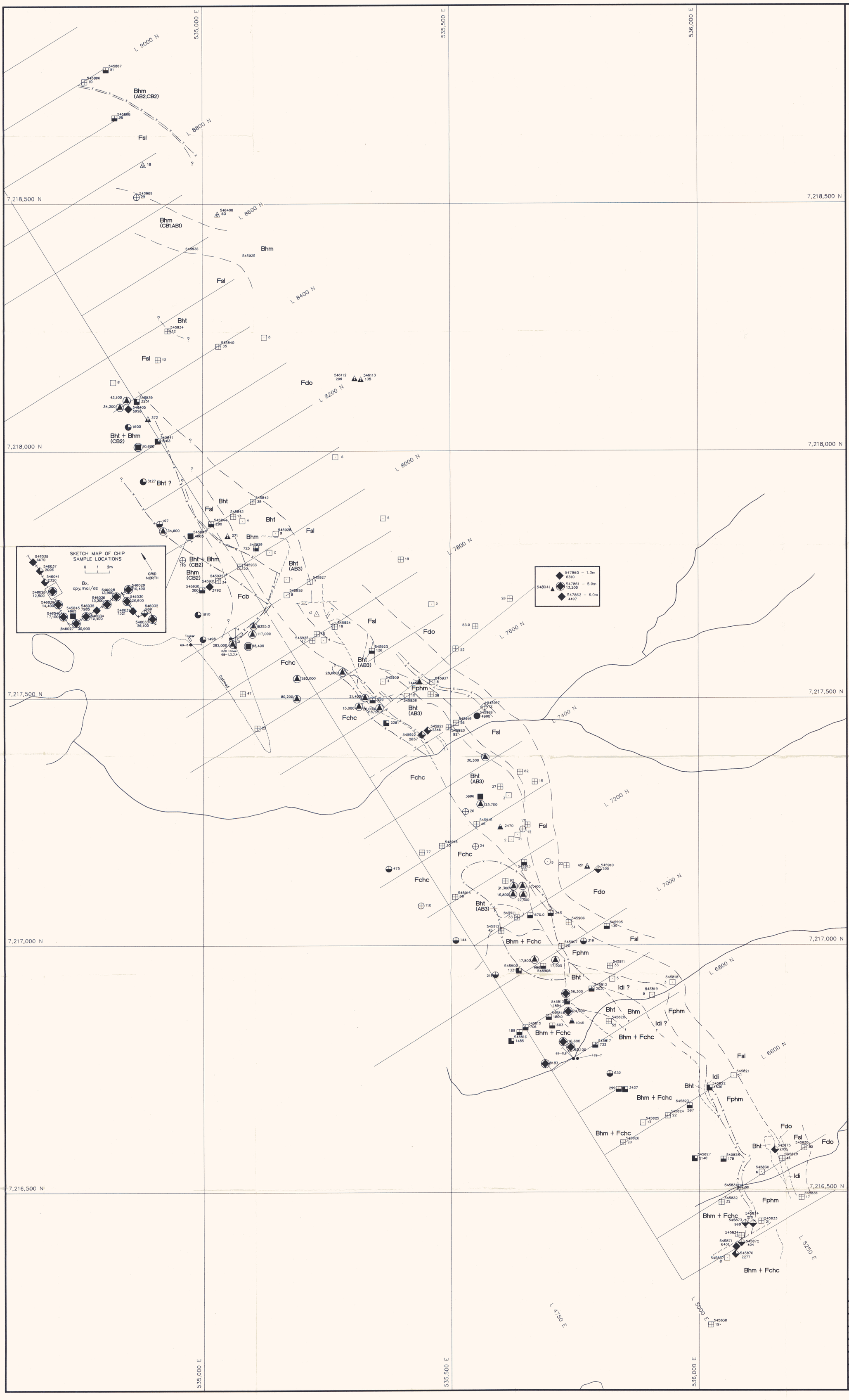
— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

50 0 50 100 150m

SCALE 1 : 2,500

Figure 4


UTM GRID NORTH
NOTE: UTM GRID North is 0° 41' East of True North.
LEGEND
LITHOLOGIES
PROTEROZOIC
I Igneous Rocks
Idi diorite, gabbro
Ife felsic dykes and sills
Imo monzonite–diorite
B Wernecke Breccia:
Bht Heterolithic breccia:
Bht hydrothermal matrix comprised of alteration minerals: K–feldspar, plagioclase, carbonate, quartz, pyroxene, chlorite, sericite and specular hematite
Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, (chaotic breccia)
Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks
WERNECKE SUPERGROUP
Q Quartet Group: Dark grey– and grey–weathering siltstone, mudstone, claystone and fine sandstone (wavy bedded); local quartzite.
Qph grey phyllite
Qsh grey–black shale
Qst siltstone–calcareous siltstone
Qqz quartzite–silty quartzite
Qxx undifferentiated
F Fairchild Lake Group: Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
Fxx undifferentiated
SYMBOLS
Outcrop
Geological Contact (approximate)
Fault (assumed)
Bedding
093173 DWG 536
Westmin Resources Limited
Work By MS/BG/TB/DC
Date Drafted
Drafted By
Date Revised
Revised By
N.T.S. Number 106 E/1
File Name BON_GEOL
FAIRCHILD PROJECT
BON PROPERTY
GEOLOGY MAP
— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —
200 0 200 400 600m
SCALE 1 : 10,000
Figure 5
RIVER
556
7215000 N
5400000 E



LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite

B *Wernecke Breccia:*
- Bht Heterolithic breccia: hydrothermal matrix comprised of plagioclase, carbonate, muscovite, chlorite, quartz and specular hematite
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fcb light brown and grey carbonate–rich siltstones and mudstones
- Fchc light green–grey siltstone–cherty argillite with local interbedded carbonate
- Fdo dolomite with interbedded phyllite–slate
- Fphm silver–grey magnetite–bearing phyllite
- Fsl green–grey slate/phyllite–laminated cherty argillite

ALTERATION

Alteration Minerals	
AB	albite
CB	carbonate
CL	chlorite
KF	K–feldspar
MS	muscovite/sericite
QZ	quartz

Alteration Intensity	
1	weak
2	moderate
3	strong

MINERALIZATION

AZ – azurite
BR – brannerite
CP – chalcopyrite
HS – specular hematite
MC – malachite
MG – magnetite
PY – pyrite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- 130/28 Bedding
- 080/45 Foliation
- Q97/68 Vein
- 69–7 Diamond Drill Holes (horizontal projection)

SAMPLE TYPES

- Grab
- Chip
- Litho
- Float

Cu values in PPM

<1	–	11
11	–	117
117	–	1000
1000	–	3618
3618	–	8152
8152	>>>>>>>	

NOTE All copper values are in ppm, however values containing a comma are assay results converted to ppm.

– Samples that show sample numbers were taken during the 1993 field program. Those without were collected in 1992.

093173 DWG 527

Westmin Resources Limited

Work By	M.B. & M.J.
Date Drafted	02/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	HOOVCUAU

FAIRCHILD PROJECT

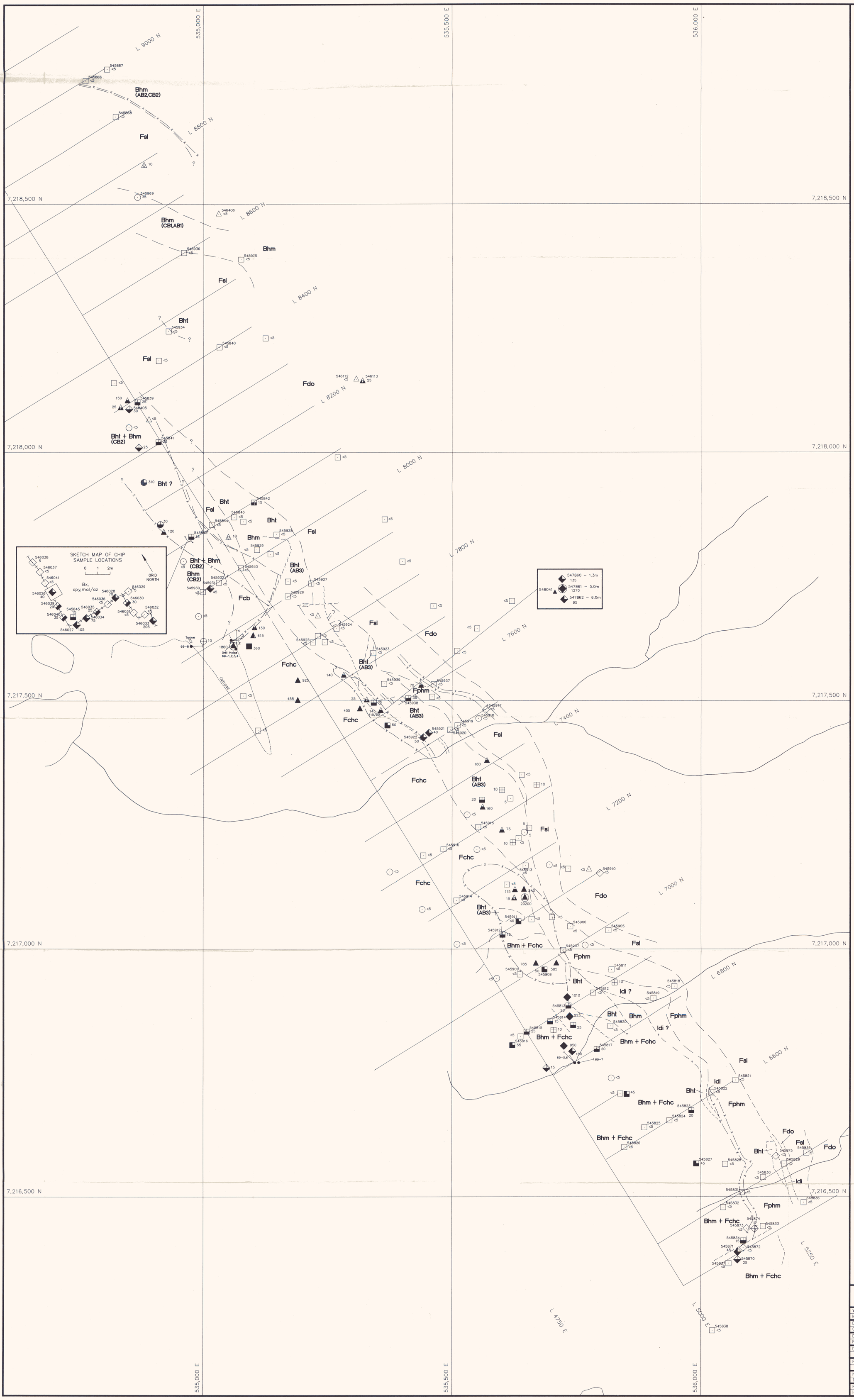
HOOVER PROPERTY

ROCK SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

50 0 50 100 150m
SCALE 1 : 2,500

Figure 6



UTM GRID NORTH

NOTE: UTM Grid North is 0° 41' East of True North.

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite

B *Wernecke Breccia:*
- Bht Heterolithic breccia: hydrothermal matrix comprised of plagioclase, carbonate, muscovite, chlorite, quartz and specular hematite
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fcb light brown and grey carbonate–rich siltstones and mudstones
- Fchc light green–grey siltstone–cherty argillite with local interbedded carbonate
- Fdo dolomite with interbedded phyllite–slate
- Fphm silver–grey magnetite–bearing phyllite
- Fsl green–grey slate/phyllite–laminated cherty argillite

ALTERATION

Alteration Minerals
- AB albite
- CB carbonate
- CL chlorite
- KF K–feldspar
- MS muscovite/sericite
- QZ quartz

Alteration Intensity
- 1 weak
- 2 moderate
- 3 strong

MINERALIZATION

- AZ – azurite
- BR – brannerite
- CP – chalcopyrite
- HS – specular hematite
- MC – malachite
- MG – magnetite
- PY – pyrite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- 130/28 Bedding
- 080/45 Foliation
- 097/68 Vein
- 69–7 Diamond Drill Holes (horizontal projection)

SAMPLE TYPES

- Grab
- Chip
- Litho
- Float

Au values in PPB

<5 –	6
6 –	10
10 –	35
35 –	341
341 –	1048
1048	>>>>>>>

NOTE Samples that show sample numbers were taken during the 1993 field program. Those without were collected in 1992.

093173
DWG 528

Westmin Resources Limited

Work By	M.B. & M.J.
Date Drafted	02/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	HOOVCUAU

FAIRCHILD PROJECT

HOOVER PROPERTY

ROCK SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

50 0 50 100 150m

SCALE 1 : 2,500

Figure 7

UTM GRID NORTH

NOTE: UTM Grid North is 0° 41' East of True North.

535,000 E | 535,500 E | 536,000 E

534,500 E | 535,000 E | 535,500 E

7,218,500 N | 7,218,000 N | 7,217,500 N | 7,217,000 N

L 9000 N | L 8800 N | L 8600 N | L 8400 N | L 8200 N | L 8000 N | L 7800 N | L 7600 N | L 7400 N | L 7200 N | L 7000 N | L 6800 N | L 6600 N | L 5000 E | L 5250 E | L 4750 E

Bhm (AB2,CB2) | Fsl | Bhm (CB1,AB1) | Bhm | Fsl | Bht | Fdo | Bht + Bhm (CB2) | Bht ? | Bht | Fsl | Bhm | Bht + Bhm (CB2) | Bhm (CB2) | Bht (AB3) | Fcb | Fsl | Bht (AB3) | Fdo | Fchc | Bht (AB3) | Fphm | Fsl | Fchc | Bht (AB3) | Fchc | Fchc | Fsl | Fdo | Bht (AB3) | Bhm + Fchc | Fphm | Bht | Idi ? | Bht | Bhm | Fphm | Idi ? | Bhm + Fchc | Bhm + Fchc | Fsl | Idi | Bht | Bhm + Fchc | Bhm + Fchc | Fdo | Fsl | Bht | Fdo | Idi | Fphm | Bhm + Fchc | Bhm + Fchc

Tanker | Drill Holes 69-1,2,3,4 | Cut road

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite

B *Wernecke Breccia:*
- Bht Heterolithic breccia: hydrothermal matrix comprised of plagioclase, carbonate, muscovite, chlorite, quartz and specular hematite
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated wall rocks

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- Fcb light brown and grey carbonate–rich siltstones and mudstones
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- Fdo dolomite with interbedded phyllite–slate
- Fphm silver–grey magnetite–bearing phyllite
- Fsl green–grey slate/phyllite–laminated cherty argillite

ALTERATION

Alteration Minerals
- AB albite
- CB carbonate
- CL chlorite
- KF K–feldspar
- MS muscovite/sericite
- QZ quartz

Alteration Intensity
- 1 weak
- 2 moderate
- 3 strong

MINERALIZATION

- AZ – azurite
- BR – brannerite
- CP – chalcopyrite
- HS – specular hematite
- MC – malachite
- MG – magnetite
- PY – pyrite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- 130/28 Bedding
- 080/45 Foliation
- 097/68 Vein
- 69–7 Diamond Drill Holes (horizontal projection)

Cu Values in PPM

⊡	<1 –	36
⊞	36 –	53
■	53 –	138
■	138 –	958
■	958 –	2029
◉	2029	>>>>>>>

DWG 529

.093173

Westmin Resources Limited

FAIRCHILD PROJECT

HOOVER PROPERTY

SOIL SAMPLE GEOCHEMISTRY

Work By	M.B. & M.J.
Date Drafted	02/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	HVRSOIL

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

50 0 50 100 150m

SCALE 1 : 2,500

Figure 8

UTM GRID NORTH

NOTE: UTM Grid North is 0° 41' East of True North.

534,500 E | 535,000 E | 535,500 E | 536,000 E

7,218,500 N | 7,218,000 N | 7,217,500 N | 7,217,000 N

L 9000 N | L 8800 N | L 8600 N | L 8400 N | L 8200 N | L 8000 N | L 7800 N | L 7600 N | L 7400 N | L 7200 N | L 7000 N | L 6800 N | L 6600 N | L 5000 E | L 5250 E | L 4750 E

Bhm (AB2,CB2) | Fsl | Bhm (CB1,AB1) | Bhm | Bht | Fdo | Bht + Bhm (CB2) | Bht ? | Bht (AB3) | Bhm (CB2) | Fcb | Fchc | Fphm | Bht + Fchc | Bhm + Fchc | Idi ? | Idi | Fsl

Tanker 69-8 | Drill Holes 69-1,2,3,4 | Cutgrid

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite

B *Wernecke Breccia:*
- Bht Heterolithic breccia: hydrothermal matrix comprised of plagioclase, carbonate, muscovite, chlorite, quartz and specular hematite
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fcb light brown and grey carbonate–rich siltstones and mudstones
- Fchc light green–grey siltstone–cherty argillite with local interbedded carbonate
- Fdo dolomite with interbedded phyllite–slate
- Fphm silver–grey magnetite–bearing phyllite
- Fsl green–grey slate/phyllite–laminated cherty argillite

ALTERATION

Alteration Minerals
- AB albite
- CB carbonate
- CL chlorite
- KF K–feldspar
- MS muscovite/sericite
- QZ quartz

Alteration Intensity
- 1 weak
- 2 moderate
- 3 strong

MINERALIZATION

- AZ – azurite
- BR – brannerite
- CP – chalcopyrite
- HS – specular hematite
- MC – malachite
- MG – magnetite
- PY – pyrite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- 130/28 Bedding
- 080/45 Foliation
- 097/88 Vein
- 69-7 Diamond Drill Holes (horizontal projection)

Au Values in PPB

<5 –	5
5 –	12
12 –	27
27 –	101
101 –	330
330 >>>>>>>	

DWG 530

093173

Westmin Resources Limited

Work By	M.B. & M.J.
Date Drafted	02/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	HVRSOIL

FAIRCHILD PROJECT

HOOVER PROPERTY

SOIL SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

50 0 50 100 150m

SCALE 1 : 2,500

Figure 9

536,000 E
537,000 E
538,000 E
539,000 E
540,000 E
541,000 E
542,000 E

7,216,000 N
7,215,000 N
7,214,000 N
7,213,000 N
7,212,000 N
7,211,000 N

L 8,200 E
L 8,600 E
L 9,000 E
L 9,400 E
L 9,800 E
L 10,200 E
L 10,600 E
L 11,000 E
L 11,400 E
L 11,800 E
L 12,200 E
L 12,600 E
L 13,000 E
L 13,400 E
L 13,800 E
L 14,200 E
L 14,600 E
L 15,000 E

BONNET PLUME RIVER

CLAIM BOUNDARY

UTM GRID NORTH

NOTE: UTM GRID North is 0° 41' East of True North.

LEGEND

SAMPLE TYPE (unnumbered)

- Soil
- Silt

ROCK SAMPLE TYPE (numbered)

- Grab
- Chip
- Litho
- Float

Cu Values in PPM (SOILS,SILTS)

<1	–	24
24	–	30
30	–	42
42	–	60
60	–	93
93	>>>>>>>	

Cu Values in PPM (ROCKS)

<1	–	2
2	–	7
7	–	98
98	–	3126
3126	–	8538
8538	>>>>>>>	

093173

NOTE Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number are identified by a sample number All samples were taken in 1993.

DWG 531

Westmin Resources Limited

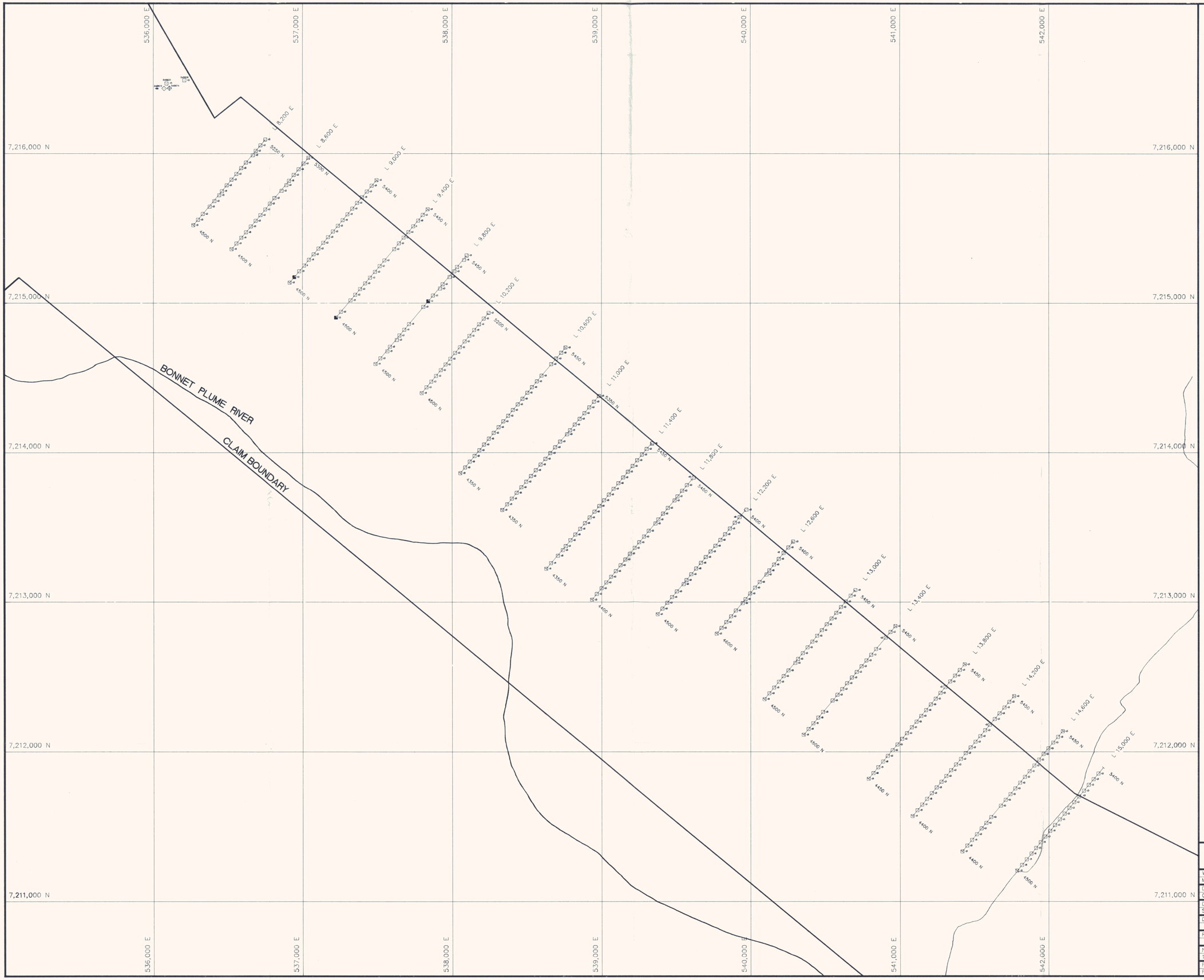
Work By	MS/BG/TB/DC
Date Drafted	09-12-93
Drafted By	S. Dykes
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	FRSBONNP

FAIRCHILD PROJECT
HOOVER PROPERTY
BON GRID
SOIL and ROCK GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

200 0 200 400 600m
SCALE 1 : 10,000

Figure 10



UTM GRID NORTH

NOTE: UTM GRID North is 0° 41' East of True North.

LEGEND

SAMPLE TYPE (unnumbered)

- Soil
- Silt

ROCK SAMPLE TYPE (numbered)

- Grab
- Chip
- Litho
- Float

Au Values in PPB (SOILS,SILTS)

<5	5
5	6
6	9
9	15
15	16
16	>>>>>>>

Au Values in PPB (ROCKS)

<5	5
5	10
10	28
28	164
164	492
492	>>>>>>>

093173

NOTE Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number are identified by a sample number All samples were taken in 1993.

DWG 532

WESTMIN

Westmin Resources Limited

Work By	MS/BG/TB/DC
Date Drafted	09-12-93
Drafted By	S. Dykes
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	FRSBONNP

FAIRCHILD PROJECT

HOOVER PROPERTY
BON GRID

SOIL and ROCK GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

200 0 200 400 600m
SCALE 1 : 10,000

Figure 11